

OVERSEAS GEOLOGICAL SURVEYS
MINERAL RESOURCES DIVISION

STATISTICAL SUMMARY
OF THE
MINERAL INDUSTRY

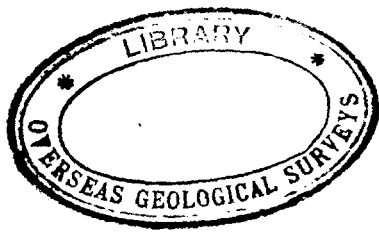
PRODUCTION, EXPORTS AND IMPORTS

1951-1956



LONDON
HER MAJESTY'S STATIONERY OFFICE

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OVERSEAS GEOLOGICAL SURVEYS

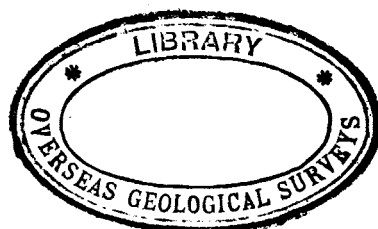
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HER MAJESTY'S STATIONERY OFFICE
1958

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

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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) So far as is possible the trade figures are intended to represent imports retained, i.e., total imports less re-exports, and exports of domestic produce. In the case of countries operating the "Special Trade" system, however, (viz. all European countries) 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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Kenya— Pumice	(a)	(a)	(a)	(a)	(a)	1,635
Nyasaland— Corundum	106	46	—	15	18	—
Southern Rhodesia— Corundum	—	—	753	2,536	1,044	3,971
Union of South Africa— Corundum	4,491	3,731	1,665	1,288	745	1,846
Canada— Grindstones	54	38	13	—	9	—
Ceylon— Garnet	—	—	—	—	5	(a)
India— Corundum	554	637	324	4,701	133	352
Malaya (exports)— Corundum	45	—	—	—	2	—
Australia— Emery	—	—	—	—	8	—
Corundum	—	54	—	—	9	—
Garnet	22	70	35	—	—	—
New Zealand— Pumice	8,774	9,612	2,013	8,854	7,741	7,614
FOREIGN COUNTRIES						
Belgium— Grindstones	63	66	55	52	48	64
France— Pumice	15,000	11,269	10,236	9,940	9,050	13,000
Millstones	5,229	2,865	2,107	2,448	2,230	(a)
Sharpening stones	198	192	226	197	1,093	(a)
Greece— Emery	6,500	6,000	10,000	8,000	9,000	7,000
Pumice	20,000 cu.m.	12,437 cu.m.	42,800 cu.m.	31,215 cu.m.	(a)	(a)
Pumicite	44,000	18,300	39,000	34,000	(a)	(a)
Italy— Pumice	121,927	133,014	205,009	185,103	(a)	(a)
Millstones	148	157	148	—	(a)	(a)
Sharpening stones	1,781	1,417	1,457	2,953	(a)	(a)
Whetstones	1,030	786	603	796	(a)	(a)
Portugal— Tripoli	1,034	1,011	972	1,795	2,231	1,773
Spain— Pumice (b)	1,097	654	546	472	842	(a)
Tripoli	10,262	7,543	7,121	8,931	14,221	9,744
Garnet	125	185	212	195	198	208
Sweden— Grindstones and whetstones	833	871	835	849	657	(a)
Egypt— Pumice	40	394	679	394	161	(a)
Garnet	1	18	8	—	166	(a)
Madagascar— Garnet	727	465	11	10	169	158
Mozambique— Corundum	—	—	1	1	8	—

*See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) Canary Islands.

PRODUCTION OF NATURAL ABRASIVES (cont.)

Producing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States (sales)—						
Emery	10,387	9,243	9,430	8,712	9,585	10,851
Garnet	12,545	10,170	9,393	12,663	10,567	8,761
Pumice (b)	669,591	533,075	(c)1,203,693	(c)1,470,890	(c) 887,481	(c) 564,937
Tripoli	33,461	31,660	32,306	37,165	41,937	40,187
Grindstones	4,954	3,537	2,231	1,980	2,499	(d) 2,490
Pulpstones	20	11	—	—	—	(a)
Argentina—						
Garnet	(a)	(a)	(a)	(a)	150	207
Turkey—						
Emery	7,247	8,110	1,117	4,726	6,987	6,282

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

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

	1951	1952	1953	1954	1955	1956
Silicon carbide	62,752	52,926	47,235	44,929	66,917	74,100
Fused alumina	174,441	135,791	219,310	178,444	158,180	163,400

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

	1951	1952	1953	1954	1955	1956
Silicon carbide	89,730	81,724	55,626	59,796	66,790	(a)
Aluminium oxide	193,151	161,049	217,979	195,811	174,841	(a)
Metallic abrasives.. .. .	147,445	140,209	143,304	105,443	140,729	(a)

(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:

1951	11,330 long tons
1952	20,026 " "
1953	20,525 " "
1954	14,573 " "
1955	28,976 " "
1956	33,989 " "

(c) Including volcanic cinders used principally for ballast which amounted to 624,849 tons in 1953, 616,121 tons in 1954, 858,505 tons in 1955 and 530,947 tons in 1956.

(d) Including oilstones and other sharpening stones.

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Abrasives, natural ..	2,674	1,836	1,746	2,327	2,619	2,543
do. artificial ..	1,184	713	642	1,031	1,656	2,417
Grinding wheels etc. of—						
Artificial corundum, etc.	1,515	1,442	1,198	1,416	1,799	2,006
Carborundum.	2,208	1,372	1,050	1,161	1,261	877
Emery	415	265	135	180	169	} 1,696
Other hard abrasives	1,618	901	412	408	384	
Natural rock	2,049	2,198	1,098	1,565	1,314	} 336
Other manufactured abrasives	1,136	714	364	355	332	
Nyasaland—						
Corundum	99	46	—	} (b) 2,393	(b) 1,590	(b) 3,399
Southern Rhodesia—						
Corundum	—	—	807			
Union of South Africa—						
Corundum	4,649	3,583	1,829	1,262	760	1,458
Canada—						
Natural abrasives, including diatomaceous earth	19	17	19	11	29	40
Artificial abrasives, crude	241,259	189,171	270,581	230,485	230,144	237,478
Artificial abrasive wheels, etc. ..	(£20,770)	(£5,898)	(£4,193)	(£4,281)	(£6,447)	(£6,344)
Grindstones	(£24,450)	(£7,342)	(£8,202)	(£35,230)	(£16,378)	(£33,688)
Hong Kong—						
Grinding and polishing wheels, etc. (including re-exports) ..	(£135,559)	(£60,732)	(£69,952)	(£42,902)	(£25,918)	(£23,779)
Malaya—						
Corundum	45	—	—	—	2	—
Grinding and polishing wheels, etc. (including re-exports) ..	116	42	76	33	66	64
New Zealand—						
Pumice	1,238	791	803	706	1,515	1,093
FOREIGN COUNTRIES						
Austria—						
Emery and other natural abrasives	691	470	525	765	833	710
Grindstones, natural ..	2	—	1	—	—	—
do. artificial	391	447	238	377	950	936
Millstones	427	185	133	401	236	568
Artificial abrasives ..	826	1,580	1,705	1,003	1,539	2,060
Belgium-Luxembourg						
E.U.—						
Corundum, artificial ..	11	22	19	26	7	8
Millstones and grindstones, natural and artificial	567	362	390	500	516	533
Other natural abrasives	155	3	93	503	45	42

*See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

EXPORTS OF ABRASIVES (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Denmark—						
Emery	20	31	7	2	3	3
Millstones and grindstones, natural ..	534	365	176	228	149	270
do. artificial ..	80	54	36	208	227	80
Finland—						
Grindstones, etc. ..	352	149	169	314	53	93
France—						
Corundum and emery ..	271	249	200	309	204	185
Pumice	47	49	32	34	22	11
Millstones and grindstones	3,423	2,196	2,078	1,772	1,704	1,082
Whetstones	105	80	56	56	41	38
Carborundum	33	115	440	765	1,540	1,459
Corundum, artificial ..	5,597	3,495	2,341	3,999	5,481	5,028
Germany (Federal)—						
Emery	(b) 170	} 578	126	173	1,665	} 256
Pumice	(b) 2,505					
Other natural abrasives	(b) 4,422						862
Millstones, grindstones, etc.	4,801	2,799	2,112	2,544	2,595	2,602
Corundum, artificial ..	(a)	4,581	3,265	5,998	9,077	11,324
Greece—						
Emery	9,917	7,711	5,490	6,621	8,321	4,578
Pumice	9,999	9,690	29,853	16,732	17,993	10,850
Italy—						
Pumice	24,465	21,937	34,129	39,383	49,111	54,919
Emery and corundum	7	5	2	29	52	41
Tripoli	87	51	116	76	91	40
Carborundum	182	43	158	63	110	108
Corundum artificial ..	292	268	351	420	458	19
Netherlands—						
Emery, etc.	3,030	2,044	1,454	2,265	2,809	2,965
Norway—						
Emery, etc.	95	86	122	35	46	25
Whetstones	20	55	12	31	—	—
Abrasive wheels	225	225	67	230	299	366
Sweden—						
Emery	4	9	2	4	1	5
Other natural abrasives	5	—	51	1	—	1
Carborundum, etc. ..	440	290	216	219	504	580
Corundum, artificial ..	97	42	47	230	392	473
Millstones, grindstones, etc.	840	704	394	533	589	733
Switzerland—						
Carborundum, emery, etc., crude	24	17	39	81	261	56
do. do. ground	2,176	1,652	1,187	1,563	2,299	1,568
Grindstones	45	10	1	3	—	1
Millstones	16	—	—	—	—	—
Madagascar—						
Garnet	667	380	115	1	189	109
Mozambique—						
Corundum	32	—	—	—	—	8
Costa Rica—						
Millstones	(a)	(a)	95	161	49	(a)
Mexico—						
Pumice, etc.	—	5	4,554	5,854	875	190
Millstones, whetstones, etc.	—	—	—	—	1	6

(a) Information not available.

(b) January to September only.

EXPORTS OF ABRASIVES (*cont.*)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(<i>cont.</i>)						
United States—						
Corundum	177	140	213	135	139	222
Emery powder ..	686	682	1,013	1,160	1,250	1,727
Grindstones ..	600	353	386	319	404	384
Whetstones, etc. ..	133	83	71	58	94	56
Other natural abrasives	42,019	32,117	49,849	46,736	58,670	63,480
Aluminium oxide, fused	15,185	8,915	8,454	10,103	11,781	11,079
Silicon carbide ..	6,593	6,856	4,704	5,886	6,313	7,001
Unfused alumina ..	79	79	232	173	105	30
Other crude artificial abrasives	101	31	22	15	51	71
Artificial abrasive wheels	2,776	2,017	1,601	1,914	2,191	2,200
Artificial hones, whet- stones, etc.	1,303	974	896	1,269	1,380	1,757
Turkey—						
Emery and carborundum ..	10,717	6,139	3,201	8,458	9,230	8,561

IMPORTS OF ABRASIVES*

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Emery	6,926	4,163	3,049	6,986	4,062	3,923
Garnet concentrates—						
Unground	1,051	677	336	160	250	298
Ground	252	261	202	402	357	392
Other natural abrasives	6,707	5,755	4,054	6,201	9,067	8,125
Aluminium oxide	30,226	25,055	12,305	26,173	30,555	25,207
Carborundum	10,753	11,491	3,268	11,028	11,387	11,246
Grinding wheels of hard abrasives	43	782	36	72	83	119
Grindstones and whetstones	9	7	2	2	48	36
Other manufactured abrasives	1,165	439	15	76	106	99
Malta—						
Pumice	(a)	(a)	(a)	14	200	13
Kenya and Uganda—						
Grindstones, etc.	28	35	34	31	37	74
Mauritius—						
Grindstones, etc.	14	43	49	39	(£2,760)	43
Tanganyika—						
Grindstones, wheels, etc.	13	16	17	14	23	22
Union of South Africa—						
Emery	20	21	26	43	44	42
Pumice	70	92	33	75	85	53
Other abrasives (£S.A.)	(£122,594)	(£192,137)	(£56,109)	(£133,469)	(£141,496)	(£184,574)
Abrasive wheels and discs (£S.A.)	(£169,727)	(£119,950)	(£83,864)	(£77,246)	(£76,483)	(£63,303)
Grindstones, millstones, etc. (£S.A.)	(£6,891)	(£4,306)	(£4,044)	(£4,808)	(a)	(a)
Canada—						
Pumice, etc. (b)	(£43,714)	(£40,428)	(£59,823)	(£59,717)	(£77,948)	(£88,239)
Emery, ground (b)	(£54,276)	(£48,874)	(£60,236)	(£73,447)	(£75,512)	(£88,303)
Artificial abrasives, ground	(£686,134)	(£549,546)	(£638,104)	(£568,729)	(£723,285)	(£848,412)
Buhrstones	(£424)	(£538)	(£356)	(£353)	(£272)	(£266)
Emery and artificial abrasives manufactures	(£52,812)	(£62,959)	(£78,204)	(£110,186)	(£124,077)	(£188,795)
Grindstones and wheels	(£554,959)	(£596,337)	(£739,486)	(£699,348)	(£820,294)	(£931,892)
British West Indies—						
Jamaica—						
Natural abrasives	(£131)	(£177)	(£442)	63	32	5
Grindstones	(£948)	(£3,403)	(£2,772)	7	8	11
Trinidad and Tobago—						
Grindstones and wheels	25	15	21	16	38	18
Ceylon—						
Grindstones	(£6,774)	(£8,020)	(£8,935)	(£7,959)	(£1,195)	(£11,368)
Cyprus—						
Grindstones and millstones	(£2,176)	(£1,122)	(£2,900)	(£3,841)	(£2,849)	(£2,437)
Hong Kong—						
Grinding and polishing wheels, etc. (b)	(£116,972)	(£66,398)	(£120,742)	(£108,162)	(£40,324)	(£46,509)
Malaya (b)—						
Grinding and polishing wheels, etc.	446	281	268	274	424	450

* See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) Total imports.

IMPORTS OF ABRASIVES (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Australia (b)—						
Emery	146	210	54	101	121	107
Corundum	26	1,097	2	33	13	84
Pumice	(£7,146)	(£16,036)	(£9,734)	952	1,812	1,440
Grindstones, etc. (c) ..	122	167	73	103	182	89
Garnet grains				28	93	25
Tripoli	237	251	129	179	251	300
Other natural abrasives				127	69	45
Artificial abrasives (c) ..	2,117	1,858	1,284	2,244	2,773	2,372
New Zealand—						
Pumice	212	159	47	75	—	—
Corundum, emery, etc.	27	23	8	8	16	18
Carborundum, etc. ..	52	74	85	58	68	69
Grindstones, etc. (£N.Z.)	(£21,555)	(£19,703)	(£9,018)	(£13,807)	(£13,148)	(£12,966)
Irish Republic—						
Grindstones, oilstones, etc.	145	127	112	119	159	113
FOREIGN COUNTRIES						
Austria—						
Emery and other natural abrasives	786	48	48	218	298	258
Artificial abrasives ..	1,172	908	703	1,956	3,148	2,910
Pumice, etc.	764	204	125	175	353	616
Grindstones, natural ..	169	184	139	139	215	158
do. artificial	137	67	56	79	253	127
Millstones	125	78	83	98	121	117
Belgium-Luxemburg						
E.U.—						
Corundum, artificial ..	1,129	921	705	935	1,269	1,119
Millstones and grind- stones, natural and artificial	1,464	1,207	845	1,081	1,044	1,208
Silicon carbide	1,150	1,399	918	904	1,076	1,575
Other natural abrasives	7,892	5,775	12,034	27,273	1,063	2,403
Denmark—						
Emery, etc.	610	527	351	487	265	360
Pumice	581	713	1,505	768	946	1,400
Carborundum	310	202	276	256	780	993
Millstones and grind- stones, natural ..	315	148	208	244	181	154
do. artificial	543	415	344	479	476	501
Finland						
Emery, pumice, etc. ..	706	414	428	828	672	561
Carborundum, etc. ..	154	65	52	134	242	260
Millstones, etc.	20	27	16	19	—	—
Whetstones, grind- stones, etc.	1,676	2,207	479	1,418	1,368	918
France—						
Corundum	15	18	9	18	14	1,668
Emery	2,733	1,714	262	2,507	2,211	
Pumice	8,327	13,275	31,671	44,264	43,279	
Millstones and grind- stones	846	548	517	680	961	1,141
Whetstones	172	81	130	131	175	151
Carborundum	3,012	2,233	1,015	1,044	2,143	1,776
Corundum, artificial ..	1,141	754	490	108	787	1,023

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Total imports.

IMPORTS OF ABRASIVES (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956	
FOREIGN COUNTRIES (cont.)							
Germany (Federal)—							
Emery	8,083	5,238	3,951	6,312	8,117	1,340	
Pumice, etc. .. .							6,194
Other natural abrasives								135
Millstones, grindstones, etc.	117	432	187	281	323	502	
Corundum, artificial ..	(a)	694	628	1,225	1,142	683	
Iceland—							
Millstones, etc. . . .	38	26	29	30	38	8	
Italy—							
Emery and corundum ..	910	1,117	1,749	1,142	1,866	1,004	
Tripoli	23	58	49	341	576	543	
Corundum, artificial ..	1,194	1,057	1,279	1,534	2,607	2,640	
Carborundum	831	783	1,217	1,746	2,150	2,375	
Netherlands—							
Emery	4,141	2,886	1,523	3,144	4,322	4,137	
Other natural abrasives	998	580	1,392	2,005	2,400	2,085	
Millstones and grind- stones, natural .. .	432	226	229	248	219	147	
do. artificial .. .	1,091	825	822	962	1,005	1,083	
Other artificial abrasives	1,130	708	693	782	1,261	1,385	
Norway—							
Emery, etc.	876	410	284	577	620	768	
Whetstones	9	2	2	6	3	3	
Abrasive wheels .. .	58	63	64	94	106	115	
Portugal—							
Emery, etc.	339	405	213	350	382	447	
Pumice	5	199	182	164	201	257	
Millstones	228	198	95	121	150	64	
Spain—							
Emery powder	15	128	57	16	43	22	
Carborundum	109	509	328	376	360	340	
Sweden—							
Emery	947	418	312	494	464	468	
Pumice	208	116	138	156	226	192	
Other natural abrasives	1,275	679	717	686	911	605	
Carborundum, etc. . .	1,728	1,484	920	1,496	1,771	1,911	
Corundum, artificial ..	2,315	1,614	923	1,501	2,693	2,984	
Grindstones, etc. .. .	2,022	1,879	1,067	1,441	1,769	1,755	
Millstones	1,410	858	491	1,133	788	1,147	
Switzerland—							
Emery, crude	816	649	232	410	693	811	
Carborundum, emery, etc., ground	1,339	1,155	721	865	1,156	2,110	
Millstones	47	73	40	24	32	49	
Grindstones	338	256	257	266	300	174	
Whetstones	22	15	18	17	18	17	
Yugoslavia—							
Corundum, etc. .. .	314	567	1,030	849	795	1,090	
Grindstones, artificial ..	163	165	45	45	160	306	
Algeria—							
Emery, corundum, etc.	93	16	3	3	5	11	
Pumice	68	331	6,284	8,332	11,276	18,883	
Millstones and grind- stones	387	326	283	277	181	169	
Egypt—							
Emery, pumice, etc. ..	1,631	1,980	1,882	1,379	3,779	(a)	
Millstones	71	19	29	6	26	(a)	
Grindstones	207	149	94	134	136	(a)	
Whetstones	14	10	17	41	10	(a)	

(a) Information not available.

IMPORTS OF ABRASIVES (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Morocco (Southern)—						
Millstones and grindstones	102	104	107	126	109	93
Emery, pumice, etc. ..	(a)	50	953	875	870	1,152
Sudan—						
Grindstones	22	22	42	21	51	(a)
Tunis—						
Pumice	414	(a)	3,121	5,361	3,643	199
Millstones and grindstones	219	(a)	127	97	99	91
Cuba (total imports)—						
Grindstones	1,214	994	614	742	(a)	(a)
Mexico (total imports)—						
Emery and carborundum	1,252	1,322	1,256	1,196	1,078	1,077
Pumice	8	3	3	4	5	10
Millstones and grindstones	435	453	450	451	665	722
United States—						
Corundum, crude	4,369	4,081	2,388	989	1,249	1,658
Emery, crude	2,509	—	—	500	750	1,750
Corundum and emery, ground	9	11	29	217	506	429
Pumice, crude	14,064	19,630	29,208	18,706	26,731	17,399
do. manufactured	670	427	842	848	1,337	1,174
Tripoli, etc.	10	1,461	332	—	25	—
Grindstones	190	174	255	(a)	(a)	(a)
Buhrstones, hones, etc.	26	21	157	(a)	(a)	(a)
Crude artificial abrasives	208,406	164,960	255,862	200,103	197,143	206,998
Argentina—						
Emery	(a)	2,972	440	919	1,505	1,751
Grindstones	(a)	5	—	—	—	—
Oil stones	(a)	78	—	3	10	—
Brazil (total imports)—						
Millstones, grindstones, etc.	1,451	961	121	940	1,095	814
Other abrasives	706	232	215	554	336	557
Chile—						
Emery	112	25	24	33	11	(a)
Carborundum	2	2	2	6	1	(a)
Millstones, grindstones, etc.	290	132	168	80	164	(a)
Columbia (total imports)—						
Emery and pumice	65	37	42	52	42	58
Millstones and grindstones	82	53	80	82	92	143
Peru—						
Emery and pumice	35	27	28	38	34	38
Millstones, grindstones, etc.	94	77	86	69	99	90
Venezuela (total imports)—						
Emery and pumice	(a)	40	43	206	(a)	82
Indonesia—						
Emery	181	28	72	62	126	235
Other natural abrasives	120	138	81	95	77	195
Iran (b)—						
Emery, etc.	42	12	8	5	(a)	(a)
Iraq—						
Emery, pumice, etc.	3	2	2	2	3	(a)
Grindstones, whetstones, etc.	45	16	30	21	29	(a)

(a) Information not available.

(b) Years ended March 20 of that following.

IMPORTS OF ABRASIVES (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Japan—						
Emery	200	96	290	58	197	161
Other natural abrasives	19	277	494	64	182	242
Grindstones, etc. natural and artificial ..	22	66	140	66	67	47
Artificial abrasives ..	97	412	276	414	308	188
Lebanon—						
Emery	3	4	3	3	3	5
Pumice, etc.	29	2	13	2	23	6
Philippine Republic—						
Pumice	9	6	1	1	12	3
Siam (total imports)—						
Natural abrasives ..	(a)	(a)	123	272	345	399
Syria—						
Emery	23	(a)	53	93	(a)	(a)
Pumice, etc.	123	(a)	5	2	(a)	(a)
Turkey—						
Natural abrasives ..	41	4	7	1	10	1
Millstones and grindstones	1,042	711	367	222	96	391

(a) Information not available.

ALUMINIUM
(Including Bauxite and Cryolite)

PRODUCTION OF BAUXITE

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Ghana (b)	129,328	74,368	115,075	163,516	116,285	137,872
Jamaica (e)	—	340,420	1,154,172	2,033,786	2,645,345	3,084,602
British Guiana (c)	2,087,079	2,387,938	2,257,747	2,304,464	2,435,282	2,480,966
India	67,047	63,505	70,848	74,747	81,172	91,225
Malaya	—	21,796	152,170	165,621	222,162	264,444
Australia	5,084	7,235	4,052	5,487	7,563	10,329
TOTAL	2,288,500	2,895,242	3,754,064	4,747,621	5,507,809	6,069,438
FOREIGN COUNTRIES						
Austria	8,877	14,940	17,932	16,993	18,836	21,744
France	1,127,425	1,101,337	1,137,860	1,254,700	1,469,200	1,443,200
Germany (Federal)	5,243	5,851	5,163	3,800	4,100	(a)
Greece	161,072	280,413	323,057	347,936	492,271	686,958
Hungary	741,000	1,188,000	1,372,000	1,240,000	1,221,000	878,600
Italy	171,266	261,352	267,099	289,453	322,004	255,611
Spain	10,414	11,512	5,106	5,644	6,290	7,063
U.S.S.R. (d)	800,000	900,000	1,000,000	1,025,000	1,050,000	1,130,000
Yugoslavia	490,415	603,751	470,015	675,844	778,524	867,497
French West Africa	—	97,813	320,399	484,377	485,389	444,400
Mozambique	4,187	2,449	3,058	2,397	2,611	3,705
United States (e)	1,848,676	1,667,047	1,579,739	1,994,896	1,788,341	1,743,344
Brazil	18,731	14,093	18,524	27,182	44,359	68,653
Dutch Guiana	2,657,347	3,172,833	3,224,617	3,367,137	3,013,569	3,427,564
Indonesia	632,172	338,325	147,190	163,110	259,511	298,510
TOTAL (d)	8,700,000	9,700,000	9,900,000	10,900,000	11,000,000	11,300,000
WORLD'S TOTAL (d)	11,000,000	12,600,000	13,650,000	15,650,000	16,500,000	17,400,000

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):—

	1951	1952	1953	1954	1955	1956
Metallurgical	1,829,828	2,102,109	1,816,983	1,937,171	1,893,939	1,721,098
Chemical	71,151	30,843	52,090	35,285	50,765	76,930
Refractory	31,068	49,312	103,487	115,284	144,458	215,401
Abrasive	70,687	103,681	141,635	91,125	104,550	111,872

Exports of calcined ore are shown on page 13.

(d) Estimated.

(e) Dried bauxite equivalent.

PRODUCTION (EXPORTS) OF CRYOLITE IN GREENLAND

Year	Long tons
1951	62,159
1952	71,959
1953	44,419
1954	52,687
1955	41,131
1956	38,276

PRODUCTION OF ALUMINIUM

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (b) ..	27,725	28,006	30,916	31,603	24,445	27,582
Canada	399,192	446,212	489,683	498,122	546,913	548,858
India	3,848	3,566	3,759	4,886	7,225	6,500
Australia	—	—	—	—	1,248	9,143
TOTAL	430,765	477,784	524,358	(f) 534,611	579,831	592,083
FOREIGN COUNTRIES						
Austria	25,965	36,128	42,788	47,248	56,296	58,474
France	89,665	104,452	111,278	118,164	127,411	147,395
Germany—						
Federal (c)	72,963	98,887	105,251	127,178	134,901	145,035
East (d)	6,000	8,800	9,600	21,000	26,000	30,000
Hungary	21,000	25,000	28,000	32,300	36,380	34,260
Italy	45,398	51,996	54,586	56,663	60,483	62,408
Norway	51,283	52,014	52,330	60,343	70,627	91,225
Spain	4,092	4,046	4,306	4,606	10,275	13,334
Sweden	6,608	8,115	9,496	10,444	9,877	12,262
Switzerland	27,000	27,000	29,000	25,600	29,500	29,500
U.S.S.R. (d)	210,000	240,000	280,000	310,000	390,000	430,000
Yugoslavia	2,783	2,523	2,748	3,441	11,317	14,430
United States (e)	747,215	836,902	1,117,869	1,304,076	1,397,965	1,499,066
Brazil	396	1,068	1,180	1,439	1,638	15,943
Formosa	2,937	3,795	4,837	7,018	6,891	8,621
Japan	36,329	41,986	44,775	52,273	56,600	64,955
TOTAL	1,350,000	1,550,000	1,900,000	2,180,000	2,430,000	2,660,000
WORLD'S TOTAL	1,781,000	2,028,000	2,424,000	2,715,000	3,010,000	3,252,000

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

(a) Information not available.

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

1951	87,029 long tons
1952	93,248 " "
1953	89,999 " "
1954	103,354 " "
1955	127,089 " "
1956	117,679 " "

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

1951	52,750 long tons
1952	47,989 " "
1953	47,875 " "
1954	68,898 " "
1955	91,249 " "
1956	85,864 " "

(d) Estimated.

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

1951	261,257 long tons
1952	271,895 " "
1953	329,077 " "
1954	260,751 " "
1955	267,510 " "
1956	265,796 " "

(f) Revised.

EXPORTS OF ALUMINIUM, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Alumina	17,924	4,787	15,788	10,497	20,259	26,308
Ingots, etc., including alloyed	2,053	1,757	11,357	4,033	3,638	9,681
Scrap, including alloyed	—	3	150	304	30	15
Sheets, strip and plates do. alloyed	10,401	7,526	7,895	8,012	8,871	14,160
Discs, circles and slugs do. alloyed	15,863	15,838	24,041	14,700	14,678	17,068
Bars, rods, tubes, shapes and wire	4,506	3,010	3,736	4,767	5,411	4,541
do. alloyed	693	653	430	263	229	341
Powder	1,901	2,169	1,343	3,462	5,520	4,478
Foil incl. alloyed	4,195	3,185	5,814	4,084	4,746	4,473
Aluminium sulphates ..	754	802	663	874	779	791
Ghana—	3,848	2,992	2,748	3,688	4,747	5,469
Bauxite	33,025	31,921	29,542	35,752	38,985	42,136
Southern Rhodesia—						
Ingots, blocks and rods	129,328	74,368	115,075	163,516	116,285	137,872
Union of South Africa—						
Aluminium sulphates ..	25	23	41	(a)	(a)	(a)
Canada—						
Blocks, bars and ingots	922	801	1,290	1,014	(a)	(a)
Scrap	316,441	368,383	410,439	418,298	455,921	454,459
Sheets, rods, etc.	3,528	3,119	12,012	12,431	11,716	8,019
Foil	13,218	21,087	15,515	15,577	11,500	6,320
Jamaica—	1,440	1,126	437	491	803	405
Bauxite (d)	—	265,185	(e)1,203,200	1,998,131	2,529,363	2,978,862
Alumina	—	—	28,732	106,366	183,969	213,321
British Guiana—						
Bauxite, dried	1,905,691	2,140,456	1,867,175	1,916,200	1,916,891	1,789,765
do. calcined	97,053	145,510	244,900	209,335	252,330	317,878
Hong Kong (re-exports)—						
Unwrought, including alloyed	(a)	17	—	3	58	271
Scrap	(a)	11	6	108	191	267
Plates and sheets	(a)	4	—	20	26	171
Foil	(a)	—	198	41	72	177
India—						
Bauxite	808	4,036	2,807	3,022	8,776	4,405
Malaya—						
Bauxite	20,660	26,984	136,161	167,290	259,442	251,853
Unwrought, including alloyed (c)			2	26	—	16
Plates sheets and alloyed (c)	413	462	371	269	357	326
Bars, rods, wire, foil, incl. alloyed (c)			15	11	3	7
Aluminium sulphates (c)	3,137	928	731	1,051	381	211
Australia (b) —						
Bauxite	—	—	51	26	—	—
Pigs, ingots, alloyed, etc.	—	—	638	182	—	—
Scrap incl. alloyed	—	—	49	773	120	59
Bars, sheets and alloyed	460	70	28	66	29	31
Aluminium sulphates ..	26	74	18	49	(£3,383)	(£3,851)

(a) Information not available. (b) Years ended June 30 of that stated. (c) Including re-exports. (d) Bauxite containing 8–14% free moisture. (e) Revised.

EXPORTS OF ALUMINIUM, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
Austria—						
Bauxite	2,963	9,313	8,559	9,237	8,406	6,962
Crude, including alloys	6,968	10,591	25,823	20,911	24,974	24,002
Scrap	853	644	2,309	2,125	1,956	2,469
Sheets, rods, wire, foil, etc.	3,152	2,894	4,043	6,353	5,116	7,786
Belgium-Luxemburg						
E.U.—						
Alumina and hydrates . .	—	38	4	3	23	1
Crude	356	105	521	1,661	836	577
Scrap	166	124	200	257	170	110
Bars, sheets, wire	4,338	4,210	3,060	3,849	6,215	(a)
Aluminium sulphates . .	25,042	9,587	16,275	22,692	26,708	28,487
Denmark—						
Refined cryolite	28,063	27,279	22,827	19,505	17,942	18,928
Crude	22	288	85	19	248	50
Scrap	10	134	505	292	343	197
Sheets, wire, foil, etc. . .	383	339	305	59	101	130
France—						
Bauxite	359,976	333,219	272,540	312,748	345,628	320,109
Cryolite	1	20	7	—	—	—
Alumina	70,034	63,620	61,703	72,256	79,595	96,325
Aluminium hydrates	8,336	278	4,466	7,223	12,594	8,631
Ingots	8,771	8,959	38,018	16,435	21,957	12,962
Scrap	27	11	13	63	386	436
Bars, sheets, wire, etc. . . .	3,812	1,988	2,746	2,704	4,256	2,478
Foil	232	129	300	324	306	535
Powder	148	76	81	63	90	42
Aluminium sulphates	11,848	4,074	9,355	9,477	5,403	5,479
Germany (Federal)—						
Bauxite and cryolite	20	49	11	315	60	21
Alumina	} (d) 41,340	49,389	62,478	90,642	76,374	71,506
Aluminium hydrates		4,623	9,508	14,169	16,348	17,809
Crude, scrap and alloys	6,025	7,251	25,019	12,102	611	1,544
Bars, wire, castings and alloyed	10,064	2,652	1,764	1,785	2,491	2,579
Foil	4,887	4,706	5,370	6,189	6,693	8,172
Powder	681	384	468	844	1,037	1,072
Aluminium sulphates	(b)(c) 16,258	(e) 13,562	23,546	27,721	38,579	36,471
Greece—						
Bauxite	177,312	296,269	309,447	337,653	471,114	658,874
Italy—						
Bauxite	1	1,045	—	—	—	—
Alumina	35,923	24,532	32,220	27,283	34,569	40,144
Aluminium hydrates	2	—	1	5	560	1,087
Crude	5,891	4,102	3,052	11,401	4,549	3,132
Aluminium sulphates	4,640	7,063	3,564	4,595	5,481	3,381
Netherlands—						
Crude and alloys	218	321	537	427	3,585	652
Scrap	1,186	2,677	2,311	1,778	1,250	1,398
Bars, sheets and wire	296	166	227	800	777	1,196
Foil	21	62	93	103	141	231
Norway—						
Alumina	1	32	—	31	3	4
Crude, including alloys	41,220	34,501	47,811	45,657	60,463	78,547
Scrap	405	426	255	297	109	134
Sheets etc.	1,963	1,578	1,275	2,695	2,544	3,902

(a) Information not available.

(b) January to September only.

(c) Including aluminium sulphide.

(d) Including artificial corundum.

(e) April to December only.

EXPORTS OF ALUMINIUM, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Spain—						
Powder	84	82	—	—	—	—
Sweden—						
Alumina	—	8	—	—	1	—
Crude	273	158	159	2,646	588	706
Sheets, tubes and wire ..	262	62	216	585	2,691	2,391
Scrap	230	795	1,873	702	821	308
Aluminium sulphates ..	9,037	8,381	6,562	7,937	8,687	7,506
Switzerland—						
Alumina	—	127	37	—	—	3
Blocks, ingots, etc. and scrap	2,208	3,365	8,324	7,659	4,523	2,709
do. (alloys)	1,316	1,769	2,270	2,363	2,624	2,044
Bars, sheets, tubes and wire	4,002	3,114	3,753	2,412	1,711	1,581
do. (alloys)	1,859	2,304	3,015	2,636	2,309	2,515
Yugoslavia—						
Bauxite	441,421	603,039	458,178	553,219	647,951	668,754
Alumina and hydrates ..	(a)	4,465	2,888	4,329	19,605	13,594
Crude	(a)	6	—	—	2,798	2,595
Scrap	162	675	1,292	844	297	528
Algeria—						
Ingots	72	26	—	—	—	9
Scrap	619	218	261	158	278	325
French West Africa—						
Bauxite	—	58,190	357,119	448,911	471,946	449,979
Mozambique—						
Bauxite	3,021	2,175	2,131	2,105	1,763	2,688
Greenland—						
Cryolite	62,159	71,959	44,419	52,687	41,131	38,276
United States—						
Bauxite, etc.	89,948	41,329	27,907	16,174	14,117	14,921
Cryolite	1,426	74	117	77	154	191
Ingots and alloys	857	1,239	2,121	3,611	5,329	30,663
Scrap	5,607	917	4,090	35,123	16,331	17,258
Plates, sheets, bars, etc.	9,816	7,006	6,932	5,402	7,150	11,154
Foil	142	136	229	211	485	380
Aluminium sulphates ..	17,737	17,628	12,833	12,950	17,495	14,402
Brazil—						
Bauxite	8,709	98	591	118	3,255	16,569
Dutch Guiana—						
Bauxite	2,632,311	3,104,957	3,225,244	3,371,891	3,011,672	3,427,564
Formosa—						
Ingots	(a)	(a)	1,897	2,334	3,111	3,926
Indonesia—						
Bauxite	601,824	216,575	159,918	242,882	258,623	308,301
Japan—						
Cryolite	98	1	—	447	—	—
Ingots, etc.	7,144	6,597	8,392	8,294	14,060	2,687
Bars, rods, plates, tubes and wire	6,113	6,329	2,841	5,620	9,665	5,966
Scrap	20	170	—	—	—	—
Aluminium sulphates ..	1,463	840	1,933	4,127	2,313	2,424

(a) Information not available.

IMPORTS OF ALUMINIUM, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Bauxite	345,447	282,626	268,764	370,372	328,058	315,030
Cryolite	3,630	3,270	2,262	3,766	3,403	2,232
Alumina	146	4	3	14	30	42
Ingots, etc.	175,626	237,131	178,799	190,597	247,185	211,351
do. alloyed	1,641	206	9	29	11,295	20,940
Scrap, including alloyed	990	1,307	526	299	459	339
Bars, sheets, tubes, etc., including alloyed	1,513	2,191	108	180	590	517
Foil incl. alloyed	921	648	228	457	669	543
Ghana—						
Sheets	(a)	(a)	(a)	693	1,084	958
Kenya (f)—						
Unwrought and scrap	(b) 56	191	59	397	414	331
Bars, sheets, rods, etc.	1,295	901	1,079	2,355	1,142	42
Mauritius (f)—						
Bars, sheets, wire etc.	16	55	87	35	77	185
Nigeria—						
Sheets	(a)	(a)	(a)	1,083	1,764	1,780
Northern Rhodesia—						
Ingots, bars and sheets	230	469	374	(c)	(c)	(c)
Sierra Leone—						
Sheets	(a)	(a)	(a)	49	31	98
Southern Rhodesia—						
Ingots, bars and sheets	233	221	5	(d) 203	(d) 386	(d) 590
Foil	31	25	31	(d) 45	(d) 47	(d) 94
South West Africa—						
Ingots, bars, sheets, etc.	34	45	17	6	(g)	(g)
Tanganyika (f)—						
Bars, sheets, rods, etc.	553	420	369	488	462	37
Uganda (f)—						
Bars, sheets, rods, etc.	1,222	944	1,281	896	1,120	40
Union of South Africa—						
Ingots, blocks, and pigs	1,945	2,174	2,477	3,702	(h) 5,181	(h) 4,469
Sheet, wire, foil, etc.	1,515	1,631	548	446	(h) 791	(h) 1,572
Aluminium sulphates	2,239	1,147	114	625	(a)	(a)
Barbados—						
Bars, sheets, tubes, wire	(£4,216)	(£14,317)	(£345)	(£13,788)	(£9,638)	(£8,176)
Canada—						
Bauxite	e 2,144,428	e 2,191,847	e 2,400,415	i 2,638,767	i 2,582,227	i 2,115,296
Cryolite	5,818	2,005	75	3,977	3,038	16,348
Alumina	245	287	269	(j) 5,964	(j) 178,403	(j) 196,880
Ingots, rods, sheets, etc.	4,859	3,359	5,789	3,587	4,763	14,544
Scrap	40	459	111	85	127	1,130
Leaf and foil	(£61,509)	(£68,501)	(£135,113)	(£113,473)	(£354,479)	(£332,394)
Powder	183	13	124	262	195	212
Aluminium sulphates	7,989	9,262	13,513	15,923	13,925	12,371
Trinidad and Tobago—						
Aluminium sulphates	833	411	147	118	216	521
British Guiana—						
Sheets incl. alloyed	148	377	(a)	145	192	188
Aluminium sulphates	(a)	(a)	(a)	148	350	321
Ceylon—						
Sheets	(a)	(a)	132	182	374	1,121
Foil	475	196	352	591	357	268

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Hong Kong (total imports)—					177	152
Bauxite	(a)	(a)	(a)	49	1,336	1,294
Unwrought (d)	(a)	104	727	644	9	24
Scrap	(a)	27	49	12	1,623	2,094
Plates, sheets, and wire	(a)	575	715	736	72	169
Bars, rods, pipes, tubes	(a)	328	491	226	343	362
Foil	(a)	(a)	411	175		
India—					5,566	2,818
Ingots, blocks, bars, etc.	3,189	1,523	617	1,871	1,063	1,708
Sheets, circles and tubes	3,349	1,745	658	1,292	310	273
Aluminium sulphates	1,522	121	742	281		
Malaya (total imports)—						
Unwrought (d)			9	2	9	2
Plates and sheets (d)			1,733	2,352	2,214	3,348
Bars, rods, pipes, tubes and wire (d)	6,475	4,528	100	70	196	417
Foil (d)			116	138	199	156
Aluminium sulphates	5,383	1,180	1,564	1,816	1,169	3,578
Pakistan—						
Ingots, blocks, bars, etc.	(c) 123	(c) (a)	(c) 1,818	(c) 598	(c) 859	1,119
Sheets and circles	(c) 1,595	(c) 2,073	(c) 351	(c) 530	(c) 1,000	921
Aluminium sulphates	(c) 2,524	(c) 985	(c) 1,272	(c) 2,295	(c) 3,157	1,304
Sarawak—						
Unwrought (d)	(a)	(a)	(a)	—	300	1
Bars, sheets, wire etc. (d)	28	72	115	195	148	75
Aluminium sulphates	26	5	25	36	7	155
Australia (b) —						
Bauxite	3	14	—	—	9,337	28,716
Cryolite	97	2,094	196	161	88	145
Pigs, ingots, blocks (d)	8,568	11,661	6,285	9,248	12,763	12,032
Bars, sheets, tubes (d)	3,596	4,833	2,413	1,673	3,094	2,953
Wire (d)	3	137	331	6	6	64
Leaf and foil (e)	1,092	1,485	706	1,319	1,643	1,955
Powder	(a)	(a)	(a)	366	417	491
Aluminium sulphates	432	294	40	45	(a)	(a)
New Zealand—						
Ingots, etc.	173	141	458	568	612	288
Bars, sheets, tubes, etc.	2,514	3,850	803	1,048	1,818	1,385
do. (alloyed)	329	711	433	412		
Wire, including alloyed	49	56	31	22	74	151
Leaf and foil	221	357	165	266	346	388
Aluminium sulphates	129	635	677	1,165	(a)	(a)
Irish Republic—						
Bars, sheets, wire, etc. (d)	621	2,190	1,102	2,199	2,912	3,596
Foil (d)	207	272	464	520	541	437
Aluminium sulphates	3,137	2,239	2,313	3,329	3,288	3,643
FOREIGN COUNTRIES						
Austria—						
Bauxite	7,719	5,870	1,011	7,167	6,631	964
Cryolite	1,800	1,983	1,787	1,391	1,311	207
Alumina, calcined	48,977	69,362	80,601	104,476	101,086	123,028
Aluminium hydrates	1,585	1,570	2,382	2,750	3,254	3,296
Crude, scrap and alloys	45	86	80	56	154	130
Sheets, rods, wires, etc.	1,272	263	11	46	70	101
Aluminium sulphates	133	60	90	119	36	119

(a) Information not available.

(b) Years ended June 30 of that stated.

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

(d) Including alloyed.

(e) Total imports.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Belgium-Luxemburg						
E.U.—						
Bauxite	2,192	1,514	1,448	1,204	1,184	2,357
Alumina	1,245	88	149	918	211	229
Aluminium hydrates ..	12,702	1,938	8,022	10,035	11,580	10,010
Crude	14,148	12,439	12,309	17,656	24,135	31,094
Scrap	852	685	560	463	1,228	1,539
Bars, sheets, wire, foil, etc.	2,007	1,554	1,238	1,742	1,487	1,801
Aluminium sulphates ..	1,158	1,011	901	1,282	1,335	744
Denmark—						
Bauxite	—	—	—	255	1,210	1,066
Crude cryolite	30,664	40,029	27,602	41,037	32,983	27,753
Crude	3,138	3,565	2,931	2,909	4,687	3,136
Scrap	62	261	228	236	223	154
Bars, sheets, plates, tubes wire and alloyed ..	3,042	1,933	1,289	1,773	1,724	2,107
Leaf	405	388	484	477	592	797
Aluminium sulphates ..	3,494	2,706	2,794	3,292	3,601	3,996
Finland—						
Alumina	17	27	58	37	68	81
Crude	1,579	1,485	1,606	1,128	2,703	2,766
Bars and sheets	2,110	2,310	2,422	3,659	6,513	6,916
Powder	63	114	217	238	258	314
Aluminium sulphates ..	16,003	8,326	11,150	18,023	18,195	20,772
France—						
Bauxite	89	2,494	3,623	11,847	10,224	19,392
Cryolite	1,679	2,902	1,768	1,209	1,314	1,555
Alumina	96	107	2	2	6	15
Aluminium hydrates ..	77	12	27	8	19	47
Ingots	1,438	3,721	345	1,565	1,046	6,918
Scrap	934	700	115	236	266	305
Sheets, bars and wire ..	340	1,265	846	723	389	186
Foil	557	491	200	277	729	1,492
Aluminium sulphates ..	12	5	—	—	21	20
Germany (Federal)—						
Bauxite	608,343	1,020,673	867,328	1,024,648	1,111,624	1,291,409
Cryolite	1,869	5,199	2,362	3,023	3,295	2,943
Alumina	—	—	—	31	2,178	99
Crude, scrap and alloys	11,364	9,537	22,066	53,436	79,397	61,309
Bars, wire, castings, etc., and alloyed ..	308	47	37	179	42	69
Greece—						
Aluminium	1,268	1,171	756	1,285	1,674	1,483
Foil	147	63	116	175		
Aluminium sulphates ..	55	3	295	370		
Italy—						
Bauxite	86,776	192,313	93,922	100,512	98,084	109,095
Cryolite	2,070	2,851	2,505	1,330	589	689
Alumina	27	11	46	49	63	40
Crude	3,521	3,919	3,590	3,103	5,284	9,331
Scrap	2,957	2,458	7,603	12,070	5,048	7,390
Aluminium sulphates ..	74	74	330	301	464	840
Netherlands—						
Bauxite	266	443	104	101	880	4,257
Cryolite	420	108	81	163	124	169
Alumina and hydrates ..	581	228	2,104	3,240	4,485	5,138
Crude and alloys	5,781	6,665	6,076	8,075	11,220	9,879
Scrap	58	24	38	205	261	347
Bars, sheets, wire, etc. ..	3,153	2,979	6,109	5,403	6,240	7,559
Foil	1,139	756	1,166	1,344	1,764	1,958
Aluminium sulphates ..	8,880	7,219	8,958	10,162	9,597	10,152

(a) Information not available.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Norway—						
Bauxite	19,832	40,747	26,239	31,557	25,778	28,773
Cryolite	2,928	5,491	5,371	2,482	3,110	3,021
Alumina	74,462	71,359	76,670	121,138	137,683	143,200
Crude	1,667	1,561	2,250	1,061	71	1,095
Bars, sheets, etc. ..	874	1,210	612	760	1,212	1,039
Aluminium sulphates ..	8,367	7,018	6,929	8,709	10,873	9,262
Portugal—						
Cryolite	36	—	8	16	21	13
Powder	104	107	104	99	100	105
Ingots, sheets and wire	1,245	1,242	1,294	1,912	1,916	2,770
Aluminium sulphates ..	993	648	916	1,426	1,783	1,887
Spain—						
Bauxite	—	—	5,759	11,083	10,271	21,559
Alumina	8,693	10,711	8,728	11,690	17,984	26,037
Ingots and scrap	1,449	864	2,719	2,708	2,297	2,901
Sheets, tubes and wire ..	257	184	537	1,732	434	191
Powder	1,873	3,441	15	26	15	11
Sweden—						
Bauxite	7,240	8,690	16,597	23,798	22,572	23,616
Cryolite (including artificial)	735	923	769	1,379	1,617	1,028
Alumina	21,012	13,718	17,572	16,222	23,724	26,509
Crude	11,503	14,880	14,448	15,165	18,626	19,456
Scrap	333	257	216	103	64	343
Sheets, tubes and wire ..	3,677	3,651	1,970	4,782	4,737	5,949
Aluminium sulphates ..	772	2,807	66	1,002	6,213	5,432
Switzerland—						
Alumina, etc.	54,679	60,242	54,966	58,281	64,688	59,192
Blocks, ingots, etc., and scrap	5,039	4,870	3,306	8,714	9,684	9,396
do. (alloyed)	159	95	73	610	356	178
Bars, sheets, tubes and wire	344	210	95	92	30	191
do. (alloyed)	61	96	24	91	240	125
Yugoslavia—						
Cryolite	(a)	(a)	257	1,383	1,123	1,211
Crude	—	71	—	571	274	1,024
Sheets, tubes, wire, etc.	598	1,476	259	244	723	214
Algeria—						
Bauxite	521	2,980	6,889	1,968	1,575	2,362
Ingots, sheets, wire, etc.	1,016	574	708	1,229	1,177	1,237
Aluminium sulphates ..	330	387	731	850	778	677
Angola—						
Bars and sheets	87	91	46	55	106	29
Aluminium sulphates ..	1,046	129	107	256	129	227
Belgian Congo—						
Cryolite	(a)	(a)	22	10	20	35
Alumina and hydrates ..	(a)	(a)	103	30	73	233
Ingots, bars, etc.	1,362	(a)	(a)	(a)	(a)	(a)
Aluminium sulphates ..	1,075	1,319	1,064	578	1,107	1,276
Egypt—						
Crude and scrap	5	45	12	12	68	(a)
Bars, sheets, tubes and wire	536	581	732	941	1,279	(a)
Foil	531	168	134	262	254	(a)
Aluminium sulphates ..	12,870	7,947	7,557	(a)	(a)	(a)
Morocco (Southern)—						
Bauxite	(a)	292	358	1,026	1,650	1,458
Aluminium sulphates ..	666	855	1,093	1,633	861	1,945
Mozambique—						
Bars, sheets, wire	52	35	28	49	45	68

(a) Information not available.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Tunis—						
Ingots and scrap ..	90	(a)	76	10	11	18
Aluminium sulphates ..	79	(a)	212	86	146	377
Costa Rica (total imports)						
Bars, sheets, foil, etc. ..	(a)	(a)	68	15	193	186
Cuba (total imports)—						
Ingots and bars ..	352	397	222	187	(a)	(a)
Aluminium sulphates ..	4,757	2,621	1,525	2,128	4,954	(a)
Guatemala (total imports)						
Aluminium sulphates ..	856	547	614	318	579	789
Mexico (total imports)—						
Alumina	1,334	1,937	1,257	1,397	2,053	4,604
Ingots	3,308	1,974	4,969	4,514	7,865	7,878
Bars, sheets, wire, etc. ..	3,025	1,595	1,443	1,405	3,080	461
United States—						
Bauxite, crude dried (c)	2,819,676	3,497,939	4,390,576	5,283,888	5,228,054	6,070,098
do. calcined	18,642	31,412	91,606	99,931	107,694	148,676
Cryolite	34,688	34,262	26,301	18,876	19,712	20,398
Aluminium hydrates ..	862	654	1,100	2,347	3,151	3,487
Crude and alloys ..	109,289	114,494	268,685	192,188	158,618	193,215
Scrap	17,865	6,248	23,769	13,254	36,410	23,207
Sheets, bars, etc. ..	17,324	13,846	28,510	12,192	18,725	20,162
Foil (b)	724	848	812	819	1,569	1,476
Aluminium sulphates ..	4,627	6,588	1,801	3,516	4,721	3,159
Argentina—						
Bauxite	(a)	12,220	—	1	2,638	17,138
Ingots and sheets ..	5,541	2,543	3,600	15,893	14,536	19,533
Aluminium sulphates ..	(a)	715	75	612	—	—
Brazil (total imports)—						
Cryolite	805	246	105	734	313	1,108
Ingots	10,719	5,827	7,275	14,955	6,348	12,548
Bars, sheets, tubes, wire	3,707	3,627	3,933	1,926	300	1,029
Scrap	(a)	(a)	—	—	—	889
Aluminium sulphates ..	6,788	4,691	3,735	6,701	2,873	524
Chile—						
Ingots	245	345	157	665	1,046	(a)
Bars, sheets and alloyed	406	391	354	563	499	(a)
Aluminium sulphates ..	54	99	26	8	14	(a)
Colombia—						
Ingots and plates ..	551	546	1,028	1,535	1,449	1,804
Bars, sheets and wire ..	499	170	356	305	394	848
Foil	402	308	295	295	403	603
Aluminium sulphates ..	4,003	4,879	3,667	6,734	7,198	8,041
Ecuador—						
Bars, sheets, etc. ..	122	46	119	108	180	9
Aluminium sulphates ..	29	25	44	451	575	979
Peru—						
Ingots, scrap and alloys	10	2	9	54	74	86
Bars, sheets, wire and						
alloyed	553	468	621	651	887	933
Aluminium sulphates ..	1,559	1,603	2,456	2,495	2,505	2,068
Uruguay—						
Bauxite	984	—	—	(a)	(a)	(a)
Ingots, sheets, etc. ..	2,815	734	290	(a)	(a)	(a)
Aluminium sulphates ..	3,960	2,477	4,116	(a)	(a)	(a)
Venezuela (total imports)						
Crude	(a)	84	22	224	(a)	78
Aluminium sulphates ..	1,845	998	1,128	1,374	2,316	1,990

(a) Information not available.

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

(c) Revised.

IMPORTS OF ALUMINIUM, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Formosa—						
Bauxite	(a)	22,706	9,224	44,681	25,415	36,146
Indonesia—						
Ingots	729	543	580	775	2,333	921
Aluminium sulphates ..	7,450	2,390	3,460	2,663	9,950	5,089
Iran (b)—						
Ingots, sheets, scrap, etc.	251	223	365	745	(a)	(a)
Aluminium sulphates ..	9	34	6	119	(a)	(a)
Iraq—						
Bars, sheets, wire, etc. . .	442	467	641	941	1,408	(a)
Aluminium sulphates ..	562	1,066	633	1,026	1,477	(a)
Israel—						
Ingots, bars, sheets, etc.	1,800	1,917	589	904	1,786	2,313
Foil	24	76	94	137	127	180
Japan—						
Bauxite	329,095	112,864	243,450	289,516	337,890	397,528
Cryolite	2,040	768	1,598	901	21	1,162
Ingots, blocks, etc. ..	—	—	727	1,354	2	2,484
Scrap	394	246	3,965	3,285	810	3,938
Lebanon—						
Ingots, etc.	105	229	364	474	851	629
Philippine Republic—						
Foil	1,102	315	280	470	(a)	495
Aluminium sulphates ..	295	889	1,118	3,148	763	2,468
Syria—						
Ingots, etc.	58	146	177	305	183	92
Aluminium sulphates ..	220	(a)	43	107	(a)	71
Turkey—						
Bars, sheets, wire and alloys	1,490	601	2,665	1,724	1,148	381
Aluminium sulphates ..	1,927	1,958	1,898	2,117	2,609	2,850

(a) Information not available.

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

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

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Southern Rhodesia ..	78	131	30	67	211	65
Union of South Africa ..	15,607	7,097	2,687	8,522	13,964	14,004
Canada (b)	—	—	—	—	—	—
Sarawak	—	—	—	—	—	—
Australia (c)	413	239	213	117	307	287
New Zealand	—	(e) 6	(e) 12	—	—	—
FOREIGN COUNTRIES						
Austria	490	383	485	383	440	437
Czechoslovakia (f) ..	1,600	1,600	1,600	(a) —	(a) —	(a) —
France	601	544	310	—	92	226
Greece (e)	680	330	600	500	(a) —	(a) —
Italy	714	618	415	283	359	280
Portugal	19	139	1	9	—	—
Spain	174	272	232	106	205	226
Yugoslavia	1,942	2,202	(e) 1,810	(g) 1,527	(g) 1,580	(g) 1,637
Algeria	1,440	1,299	1,783	2,260	969	2,116
Morocco (Southern) ..	942	827	57	383	312	—
Morocco (Northern) ..	201	407	292	285	344	280
Mexico	6,717	5,444	4,219	4,116	3,757	4,484
United States (d) ..	3,100	1,929	332	684	565	488
Argentina	(a) —	(a) —	(a) —	(a) —	6	2
Bolivia (exports) ..	11,629	9,651	5,693	5,136	5,274	5,031
Peru (h)	2,575	2,116	948	832	857	851
Burma	165	90	116	—	3	2
China (f)	8,000	8,000	8,000	8,000	8,000	8,000
Japan	220	206	316	261	319	553
Siam	64	69	45	69	24	37
Turkey	2,664	1,138	849	878	1,099	(e) 4,000
TOTAL*	61,500	45,200	31,000	36,000	41,000	45,000

*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): 1951—2,992 (including antimony in flue dust produced in previous years); 1952—1,041; 1953—664; 1954—581; 1955—903; 1956—812.

(c) In addition the antimony content of antimonial slag obtained as a by-product of lead refining, was as follows (long tons): 1951—333; 1952—502; 1953—578; 1954—614; 1955—615; 1956—616.

(d) Secondary metal was recovered as follows (long tons): 1951—21,378; 1952—20,615; 1953—19,964; 1954—19,962; 1955—21,162; 1956—21,434.

(e) Estimated.

(f) United States Bureau of Mines' estimate.

(g) Metal.

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

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Regulus and refined ..	1,220	1,243	1,049	1,591	1,433	1,839
Southern Rhodesia—						
Ore	164	89	28	536	135	237
Union of South Africa—						
Ore	22,356	9,381	7,786	14,588	20,236	20,377
Canada—						
Antimonial lead ..						
<i>(Sb content)</i>	204	368	167	311	703	(a)
Hong Kong (re-exports)—						
Ore	7	—	1	1	7	126
Sarawak—						
Ore	—	—	—	—	—	10
Australia (b)—						
Ore and concentrates ..	—	55	143	52	(a)	(a)
Regulus	(a)	(a)	(a)	10	13	1
FOREIGN COUNTRIES						
Austria—						
Ore	307	406	709	602	562	629
Belgium-Luxemburg						
E.U.—						
Regulus.. .. .	2,321	1,068	(a)	(a)	(a)	(a)
Oxide	759	418	683	872	579	417
France—						
Ore	8	3	11	1	1	—
Crude and regulus ..	433	131	722	298	386	256
Oxide	214	4	37	14	22	(a)
Germany (Federal)—						
Ore	(a)	—	—	—	6	—
Regulus, scrap, etc. ..	—	—	2	67	113	164
Oxide	333	20	151	156	300	317
Greece—						
Ore	59	196	(a)	(a)	(a)	(a)
Italy—						
Regulus and scrap ..	173	—	—	—	—	—
Netherlands—						
Regulus.. .. .	3	2	31	7	79	11
Portugal—						
Ore	24	36	—	—	38	—
Spain—						
Regulus	59	—	—	—	—	—
Sweden—						
Crude	33	25	42	48	60	96
Regulus.. .. .	—	8	—	14	7	14
Yugoslavia—						
Regulus	1,097	1,101	1,214	1,182	1,297	1,384
Waste	1,798	1,033	(a)	(a)	(a)	(a)
Algeria—						
Ore	3,030	3,431	5,895	5,019	6,349	4,493
Morocco (Southern)—						
Ore	1,831	883	242	1,226	965	—
Regulus	(a)	22	—	—	—	(a)
Morocco (Northern)—						
Ore	676	230	497	645	592	(a)

(a) Information not available.

(b) Years ended June 30 of that stated.

EXPORTS OF ANTIMONY, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Mexico—						
Ore	13,986	8,712	7,184	7,529	7,311	10,787
Concentrates	96	—	—	—	—	—
Regulus	1,067	953	837	927	878	706
<i>Sb content (b)</i>	4,733	3,328	2,499	3,150	2,604	3,565
United States—						
Ore	5	22	—	—	7	28
Metal and alloys	145	122	23	39	182	30
Compounds	311	191	106	292	169	188
Bolivia—						
Ore (<i>Sb content</i>)	11,629	9,651	5,693	5,136	5,274	5,031
Peru—						
Ore and metal (<i>Sb content</i>)	1,223	466	991	1,246	815	1,122
Japan—						
Regulus	—	14	17	3	3	18
Siam—						
Ore	128	48	109	122	94	56
Turkey—						
Ore	1,589	400	1,011	1,919	1,168	1,875
Regulus	248	—	—	—	147	(a)

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates (b)	25,744	17,541	7,495	15,029	16,150	15,018
Southern Rhodesia—						
Refined and regulus ..	11	13	14	(d) 30	(d) 76	(d) 105
Union of South Africa—						
Refined and regulus ..	373	64	57	159	313	213
Canada—						
Regulus	608	769	772	912	607	805
Oxide	45	77	58	125	128	117
Hong Kong (total imports)—						
Ore	—	—	—	—	1	2
Australia (c)—						
Concentrates	962	912	270	656	1,355	532
Crude and regulus ..	269	5	15	19	(a)	(a)
New Zealand—						
Refined and regulus ..	135	58	57	82	110	84
Oxide	98	94	53	122	141	102
FOREIGN COUNTRIES						
Austria—						
Regulus	44	97	137	99	86	145
Belgium-Luxemburg						
E.U.—						
Regulus	80	13	12	18	41	144
Oxide	67	34	56	70	72	74
Denmark—						
Regulus	174	120	32	131	252	307
France—						
Ore	3,361	4,482	3,502	7,858	6,348	6,645
Crude and regulus ..	389	300	2	15	—	513
Oxide and sulphide ..	32	16	13	33	18	(h) 4
Germany (Federal)—						
Ore	(e)(g) 1,048	(f) 261	991	1,799	2,020	1,125
Regulus, scrap, etc. ..	1,236	260	1,054	1,246	2,104	2,230
Oxide	184	97	68	136	99	106
Italy—						
Ore	89	2	6	37	—	—
Regulus and scrap ..	24	77	252	348	322	288
Oxide	57	151	308	269	349	245
Sulphide	5	10	10	12	13	12
Netherlands—						
Regulus	313	102	354	438	354	403
Oxide	500	167	351	475	530	519
Norway—						
Regulus	88	29	100	76	131	157
Portugal—						
Crude and alloys ..	16	31	27	28	31	43
Oxide	6	5	4	4	3	2
Sulphide	—	—	—	1	1	3
Spain—						
Regulus	25	—	—	—	—	—
Sulphide	1	—	3	2	—	5
Sweden—						
Crude	170	15	91	92	108	223
Regulus	315	147	209	251	298	338

(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) Including matte.

(h) Sulphide only.

IMPORTS OF ANTIMONY, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Switzerland—						
Regulus	290	108	152	143	226	199
Algeria—						
Regulus	17	23	20	8	19	13
Morocco (Southern)—						
Regulus	(a)	10	16	31	21	21
Tunis—						
Regulus	1	(a)	1	(a)	4	—
Mexico (total imports)—						
Oxide and sulphide ..	8	1	11	6	20	15
United States—						
Ore (<i>Sb content</i>) ..	10,487	7,094	6,944	4,216	6,670	5,867
Regulus	1,992	2,995	2,332	2,502	3,278	3,858
Oxide	1,821	1,577	1,157	1,318	1,973	1,321
Argentina—						
Ore	(a)	59	241	582	561	530
Regulus and crude ..	(a)	871	—	—	—	—
Brazil (total imports)—						
Regulus	280	107	133	528	355	265
Oxide	158	52	33	51	22	42
Sulphide	229	128	23	165	127	187
Chile—						
Regulus	69	12	30	21	82	(a)
Peru—						
Sulphides	9	2	1	2	4	—
Uruguay—						
Regulus	11	17	3	(a)	(a)	(a)
Oxide	6	4	—	(a)	(a)	(a)
Indonesia—						
Regulus	144	52	32	25	205	57
Israel—						
Regulus	4	—	7	30	29	31
Japan—						
Ore and concentrates ..	1,698	452	2,642	2,331	1,849	3,855
Regulus	10	10	6	15	2	3
Philippine Republic—						
Regulus	3	5	5	22	(a)	(a)

(a) Information not available.

ARSENIC
PRODUCTION OF ARSENIC
(Long tons)

Producing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Southern Rhodesia—						
White arsenic	75	507	371	409	454	968
Canada—						
White arsenic (b) ..	1,051	763	627	527	702	1,172
Australia—						
White arsenic (c)	120	120	—	—	—	—
FOREIGN COUNTRIES						
Belgium (exports)—						
White arsenic	320	987	1,699	1,767	2,036	2,728
Finland—						
Concentrates (<i>As content</i>)	162	138	156	—	—	—
France—						
White arsenic	5,218	6,546	5,699	725	5,687	5,900
Germany (exports)—						
White arsenic, etc. ..	3,449	109	603	214	567	298
Greece—						
White arsenic	55	87	—	—	—	40
Italy—						
Mispickel (<i>As content</i>) ..	1,140	1,190	760	438	502	484
White arsenic	1,741	2,110	1,146	1,199	1,193	1,047
Portugal—						
Arsenic oxide (d)	735	1,343	1,145	1,457	1,680	1,339
Spain—						
Arsenic oxide (e)	400	508	729	398	100	260
Sweden—						
White arsenic	16,973	14,207	—	8,548	11,387	9,975
Mexico—						
Ores (<i>As₂O₃ content</i>) ..	12,561	2,820	1,967	2,388	2,907	2,601
United States—						
White arsenic	14,455	13,994	9,708	11,756	9,625	11,340
Brazil—						
White arsenic	1,300	948	467	1,137	962	732
Peru—						
White arsenic	—	15	—	93	—	(a)
Japan—						
White arsenic	1,352	1,380	1,408	1,414	1,706	1,637

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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
White arsenic and other compounds of arsenic	3,583	4,746	1,120	1,491	3,372	4,388
Canada—						
White arsenic, etc. (c)	2,166	1,594	418	635	420	521
Australia (b)—						
White arsenic	6	4	—	—	—	—
Other compounds	26	122	76	59	(a)	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Sulphide	142	94	76	73	117	120
White arsenic	320	987	1,699	1,767	2,036	2,728
Arsenates	615	1,110	84	115	104	279
France—						
White arsenic	4,941	2,564	1,576	3,005	5,898	4,417
Arsenate of lead	49	20	4	3	3	(a)
Other arsenates	240	236	125	380	145	143
Germany (Federal)—						
White arsenic, etc.	3,449	109	603	214	567	298
Arsenates	(a)	(e) 1,050	995	800	619	794
Italy—						
White arsenic	12	20	108	422	111	27
Netherlands—						
Arsenates	6	55	132	68	218	41
Portugal—						
Ore	—	225	—	—	—	—
White arsenic	794	1,200	1,140	1,077	1,684	1,482
Sweden—						
White arsenic	16,511	10,721	3,959	7,997	8,367	7,322
Mexico—						
White arsenic, pure	4,760	3,490	3,907	3,318	4,898	5,221
do. crude	4,445	262	113	164	1,447	380
Ores and concentrates	180	—	—	—	—	—
As ₂ O ₃ content (d)	11,572	2,236	2,906	3,395	5,194	5,221
United States—						
Arsenate of lead	280	114	135	317	482	1,144
Arsenate of lime	2,391	2,503	1,737	882	842	280
Peru—						
White arsenic	358	15	—	—	—	—
Turkey—						
Ore	2	2	2	5	2	(a)

(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.

IMPORTS OF ARSENIC, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
White arsenic	6,780	8,308	1,450	4,869	6,082	5,550
Canada—						
Sulphide and white arsenic	16	9	14	—	—	7
Arsenate of lead	2	33	20	44	58	60
Arsenate of lime	26	60	106	73	252	5
India—						
Arsenic and its oxides ..	185	83	295	247	468	437
Pakistan—						
Arsenic and its oxides	(b) 3	(b) 18	(b) 16	(b) 76	(b) 14	1
Australia (c)—						
White arsenic	2,266	3,143	1,588	2,245	3,167	3,273
Arsenate of lead	—	2	6	17	9	8
Other compounds	113	162	11	27	11	10
New Zealand—						
White arsenic, etc.	76	176	81	177	211	137
Arsenate of lead	94	193	88	29	41	41
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
White arsenic	15	2	39	86	52	99
Denmark—						
Arsenate of lead	(a)	34	14	28	8	1
France—						
Sulphide	—	1	5	12	5	—
Metallic arsenic	22	13	8	13	21	24
White arsenic	12	—	10	77	72	48
Arsenate of lead	—	—	8	4	—	(a)
Germany (Federal)—						
White arsenic	} (d) 2,459	} 2,044	1,734	1,697	2,510	2,183
Sulphide			32	29	21	25
Italy—						
White arsenic	303	375	304	625	357	516
Metallic arsenic	3	12	6	—	3	1
Netherlands—						
White arsenic	144	291	438	486	366	435
Arsenates	265	789	126	56	56	31
Portugal—						
Metallic arsenic	—	1	—	1	1	—
White arsenic	—	—	1	2	7	13
Arsenate of soda	1	1	—	—	—	—
Algeria—						
White arsenic	17	17	16	14	15	13
Sulphide	1	1	4	8	—	—
Arsenates	30	29	9	15	32	44
Belgian Congo—						
White arsenic	(a)	(a)	5	25	1	—
Arsenates and arsenites	(a)	(a)	15	5	42	70
Madagascar—						
Arsenates	22	15	9	7	7	5
Tunis—						
Arsenates	3	(a)	4	—	1	—

(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.

IMPORTS OF ARSENIC, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
United States—						
Metallic arsenic	99	27	63	52	102	40
White arsenic	12,963	4,003	4,212	4,328	6,448	5,734
Sulphide	66	—	9	—	42	38
Arsenates of lime and soda	774	115	(b) 35	96	(b) 77	129
Argentina—						
Sulphide	(a)	—	2	6	—	—
White arsenic	(a)	1,748	1,097	962	813	514
Brazil (total imports)—						
White arsenic	96	912	1,019	950	1,971	969
Arsenate of lead	137	2	(a)	(a)	(a)	(a)
Chile—						
White arsenic	38	50	37	20	76	(a)
Arsenates	228	138	36	108	104	(a)
Columbia (total imports)						
White arsenic	25	48	3	4	34	16
Uruguay—						
White arsenic	200	148	225	(a)	(a)	(a)
Arsenate of lead	130	54	109	(a)	(a)	(a)
Japan—						
Sulphide	13	6	27	37	30	(a)
Turkey—						
Arsenic compounds	36	29	10	31	11	21

(a) Information not available.

(b) Arsenate of soda only.

ASBESTOS
PRODUCTION OF ASBESTOS
(Long tons)

Producing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Bechuanaland Protectorate ..	36	398	455	902	1,274	1,210
Kenya (anthophyllite) ..	373	348	149	200	136	152
Nyasaland ..	—	—	—	—	5	—
Southern Rhodesia ..	69,342	75,745	78,338	71,395	93,983	106,226
Swaziland ..	31,218	31,044	26,878	26,913	29,119	26,674
Uganda ..	—	—	—	6	2	2
Union of South Africa—						
Amosite ..	48,262	56,500	34,159	41,002	44,765	44,729
Blue ..	30,053	39,942	33,667	39,059	43,609	55,435
Chrysotile ..	17,419	22,295	16,821	17,297	18,335	21,729
Anthophyllite ..	131	762	11	98	165	—
Canada (b)—						
Chrysotile ..	868,927	829,767	813,595	825,103	949,822	905,579
Crude ..	668	662	697	647	646	640
Fibre ..	297,322	313,968	291,375	291,654	352,764	350,878
Shorts and waste ..	570,937	515,137	521,523	532,802	596,412	554,061
Cyprus ..	16,909	16,294	14,179	13,669	13,666	13,728
India ..	518	865	718	389	1,397	1,230
Australia—						
Chrysotile ..	1,159	1,119	1,175	919	865	1,384
Crocidolite ..	1,399	2,940	3,795	3,794	4,487	7,417
New Zealand ..	813	682	—	—	154	329
Total ..	1,086,600	1,078,700	1,024,000	1,041,000	1,192,000	1,186,000
FOREIGN COUNTRIES						
Finland ..	12,049	10,266	8,613	7,011	8,002	8,378
France ..	6,977	7,445	9,243	10,500	12,000	8,400
Greece ..	33	25	1	2	3	5
Italy ..	22,619	24,517	20,929	23,039	29,701	32,553
Portugal ..	307	165	93	27	50	31
Spain ..	40	30	—	158	—	(a)
Yugoslavia ..	1,499	2,466	3,689	3,212	3,844	3,718
Egypt ..	1,227	59	—	—	—	(a)
Madagascar ..	17	3	7	—	—	—
Morocco (Southern) ..	591	567	535	533	563	339
Mozambique ..	—	—	—	175	269	180
United States ..	46,187	48,114	51,741	40,904	39,957	36,886
Argentina ..	(a)	(a)	(a)	(a)	180	44
Bolivia (exports) ..	311	457	723	30	—	55
Brazil ..	1,300	1,284	1,212	2,515	2,789	3,338
Chile ..	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela ..	256	387	39	663	1,569	5,197
Formosa ..	34	24	—	146	361	105
Japan—						
Chrysotile ..	5,787	2,994	4,014	6,124	6,190	8,601
Amphibole ..		15	—	51	—	255
Turkey ..	79	—	—	44	231	566
Total* ..	99,000	98,000	101,000	94,000	106,000	109,000
WORLD'S TOTAL* ..	1,186,000	1,177,000	1,125,000	1,135,000	1,298,000	1,295,000

*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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Unmanufactured—						
Crude and fibre ..	2,665	3,159	3,229	3,891	3,785	} 6,442
Waste, incl. asbestic	1,021	1,184	866	919	968	
Packing, etc. ..	13,581	12,176	9,718	12,103	14,162	
Cement products ..	123,078	133,878	130,039	109,809	127,050	131,053
Yarn and cloth ..	2,290	2,311	2,539	2,676	2,889	2,921
Other manufactures ..	14,792	11,718	7,315	9,625	12,499	13,780
Kenya—						
Crude	(a)	(a)	(a)	54	42	42
Manufactured ..	—	(a)	(a)	(a)	(a)	(a)
Southern Rhodesia—						
Unmanufactured ..	61,012	74,228	63,954	(b) 72,475	(b) 82,569	(b) 96,287
Cement sheets ..	(£136,254)	(£216,646)	(£220,286)	(b)(£63,710)	(b)(£56,533)	(b)(£3,185)
Other manufactures ..	(£52,560)	(£47,371)	(£35,448)	(b)(£12,715)	(b)(£5,464)	(b)(£11,256)
Union of South Africa—						
Unmanufactured (d) ..	112,946	122,448	90,473	113,773	122,184	130,987
Sheets .. (£ S.A.)	(£100,582)	(£155,023)	(£118,952)	(£104,835)	(a)	(a)
Other manufactures (£ S.A.)	(£192,918)	(£315,024)	(£416,980)	(£253,321)	(a)	(a)
Canada—						
Crude	589	618	570	572	523	500
Fibre	289,816	303,409	282,668	279,325	326,768	336,646
Shorts and waste ..	550,946	501,382	501,164	512,717	567,197	523,497
Manufactured ..	(£507,794)	(£463,419)	(£211,278)	(£477,060)	(£1,055,370)	(£1,361,174)
Cyprus—						
Unmanufactured ..	15,088	18,187	9,200	18,163	12,843	12,504
India—						
Crude	25	40	59	70	546	116
Manufactured (by sea) ..	(£2,104)	(£5,475)	(£27,974)	(£67,922)	(£59,268)	(£51,367)
do. (by land) ..	—	—	—	569	2,001	326
Malaya (incl. re-exports)—						
Cement products ..	3,963	3,667	3,402	7,653	8,688	8,240
Other manufactures ..	104	112	17	36	22	32
Hong Kong (re-exports)—						
Unmanufactured ..	} (£326,041)	} (£208,317)	—	—	—	1
Manufactured ..			(£34,497)	(£44,543)	(£33,840)	(£33,506)
Australia (c)—						
Crude and fibre ..	500	868	1,631	2,298	3,287	6,859
Packing (e) ..	(£15,839)	(£9,853)	(£12,158)	(£17,042)	(£8,266)	(£8,127)
New Zealand—						
Unmanufactured ..	4	—	—	—	—	—
Cement products (£N.Z.) ..	(£11,373)	(£6,208)	(£7,309)	(£3,383)	(£3,113)	(£3,913)
FOREIGN COUNTRIES						
Austria—						
Unmanufactured ..	29	5	—	5	6	—
Manufactured ..	233	128	2,288	1,433	1,743	8,328
Belgium-Luxemburg						
E.U.—						
Unmanufactured ..	692	1,016	213	140	300	112
Spun and woven ..	203	279	291	296	375	344
Paper and board ..	838	344	402	576	625	509
Cement sheets and tiles	82,011	72,848	95,504	92,856	115,742	149,389
Other manufactures ..	221	30	81	18	25	39
Denmark—						
Cement sheets ..	873	1,304	689	987	3,479	1,425

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) Years ended June 30 of that stated.

(d) Including, if any, produce of Bechuanaland Protectorate and Swaziland.

(e) Revised.

EXPORTS OF ASBESTOS (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Finland—						
Unmanufactured ..	2,880	2,451	2,968	3,878	4,467	4,923
Manufactured ..	860	556	432	862	735	442
France—						
Unmanufactured ..	2,504	2,802	3,013	4,926	2,592	1,917
Spun and woven ..	209	118	137	195	156	236
Paper and board ..	433	279	193	328	224	198
Germany (Federal)—						
Unmanufactured ..	40	51	163	440	172	224
Manufactured ..	2,045	858	1,708	2,022	1,827	2,100
Italy—						
Unmanufactured ..	1,384	1,552	2,369	2,289	4,563	5,974
Manufactured ..	49	29	2	145	120	63
Cement products ..	27,140	33,051	16,809	11,468	15,271	32,038
Netherlands—						
Unmanufactured ..	27	29	5	22	49	66
Cement sheets, tiles, etc.	1,811	4,568	6,985	3,100	3,680	6,079
Other manufactures ..	144	118	245	542	733	1,032
Portugal—						
Unmanufactured ..	78	71	23	30	16	6
Spain—						
Unmanufactured ..	10	8	—	—	—	—
Manufactured ..	498	687	65	59	92	115
Sweden—						
Unmanufactured ..	43	14	4	1	1	4
Manufactured ..	31	12	11	29	34	17
Switzerland (including mica)—						
Unmanufactured ..	38	106	1	6	26	13
Manufactured ..	397	278	236	437	690	854
Yugoslavia—						
Unmanufactured ..	204	40	99	107	1,975	3,679
Egypt—						
Unmanufactured ..	15	6	50	(a)	(a)	(a)
Madagascar—						
Unmanufactured ..	17	—	5	—	—	—
Morocco (Southern)—						
Unmanufactured ..	177	20	81	34	5	18
Mozambique—						
Unmanufactured ..	—	—	2	91	268	58
United States—						
Unmanufactured ..	12,766	9,166	2,482	1,649	1,929	2,498
Spun, woven and packing ..	1,051	1,119	899	1,238	1,080	1,076
Brake linings ..	(£2,628,549)	(£1,821,697)	(£1,519,123)	(£1,644,276)	(£1,790,435)	(£2,122,993)
Clutch facings ..	(£334,255)	(£519,934)	(£320,543)	(£312,972)	(£332,472)	(£325,293)
Pipe covering and cement ..	1,809	2,075	1,929	1,869	2,714	2,020
Other manufactures ..	13,176	14,904	13,222	13,443	14,638	17,033
Bolivia—						
Unmanufactured ..	311	457	723	30	—	56
Peru—						
Manufactured ..	298	143	69	1	—	71
Venezuela—						
Unmanufactured ..	63	40	68	301	(a)	(a)
Japan—						
Unmanufactured ..	99	57	89	19	23	24
Manufactured ..	1,372	427	778	1,490	2,506	1,607
Turkey—						
Unmanufactured ..	15	1	2	—	104	—

(a) Information not available.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Unmanufactured—						
Crude and fibre ..	121,894	125,260	98,958	110,040	121,886	124,505
Waste, including asbestic ..	10,490	6,331	10,380	13,802	22,490	21,635
Cement products ..	5,291	2,480	3,671	5,795	8,405	(d) 40
Other manufactures ..	117	228	507	94	141	234
Channel Islands—						
Manufactures ..	1,224	700	582	892	999	1,292
Malta—						
Manufactured ..	(£899)	(£1,366)	(£4,919)	(£5,202)	(£4,695)	(£3,506)
Ghana—						
Cement sheets, pipes etc.	(a)	(a)	(a)	18,360	21,347	18,888
Kenya—						
Manufactured ..	3,797	3,434	2,953	2,228	4,400	5,418
Mauritius—						
Sheet and millboard ..	(a)	483	165	66	56	264
Other manufactures ..	178	488	158	36	(£59,418)	600
Nigeria—						
Cement sheets, pipes etc.	(a)	(a)	(a)	10,762	23,332	18,702
Northern Rhodesia—						
Cement sheets, pipes, etc. ..	(£293,559)	(£401,250)	(£397,595)	(c)	(c)	(c)
Nyasaland—						
Cement sheets, etc. ..	726	1,289	657	(c)	(c)	(c)
Seychelles—						
Cement sheets ..	415	557	25	(a)	(a)	(a)
Sierra Leone—						
Cement sheets and pipes	(a)	(a)	(a)	1,159	879	728
Southern Rhodesia (total imports)—						
Cement sheets, etc. ..	(e) (£49,753)	(e) (£95,051)	(e) (£55,096)	b (£105,141)	(b) (£99,462)	(b) (£87,864)
Cement pipes ..	(e) 3,400	(e) 5,543	(e) 4,881	(b) 4,571	(b) 5,816	(b) 6,713
South West Africa—						
Packing (£S.A.) ..	(£1,352)	(£3,169)	(£6,442)	(£6,178)	(a)	(a)
Cement products (£S.A.) ..	(£22,492)	(£39,340)	(£28,577)	(£15,123)	(f)	(f)
Other manufactures (£S.A.) ..	(£15,883)	(£29,199)	(£73,997)	(£32,043)	(f)	(f)
Tanganyika—						
Manufactured ..	3,316	3,805	2,077	391	1,610	2,600
Uganda—						
Unmanufactured ..	(a)	(a)	(a)	—	195	457
Manufactured ..	1,315	1,375	2,109	651	3,240	3,902
Union of South Africa—						
Packing (£S.A.) ..	(£170,484)	(£212,574)	(£233,402)	(£219,962)	(a)	(a)
Cement products (£S.A.) ..	(£15,542)	(£17,615)	(£16,959)	(£7,360)	(g) (£10,455)	(g) (£13,133)
Other manufactures (£S.A.) ..	(£19,257)	(£13,426)	(£31,852)	(£5,689)	(g) (£20,055)	(g) (£59,007)
Zanzibar—						
Manufactured ..	121	239	331	225	246	404
Canada—						
Packing ..	184	137	131	122	117	180
Other manufactures ..	(£1,056,859)	(£1,131,518)	(£1,036,599)	(£1,180,653)	(£1,371,384)	(£1,827,761)
British West Indies—						
Barbados—						
Cement sheets ..	(£24,155)	(£15,177)	(£7,132)	(£13,065)	(£29,149)	(£29,508)
Bermuda—						
Sheets, etc. ..	(£12,527)	(£6,455)	(£26,092)	(£6,720)	(£11,643)	(£7,818)

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) See under Southern Rhodesia.

(d) Excess of re-exports.

(e) Total imports.

(f) Included with Union of South Africa.

(g) Including South West Africa.

IMPORTS OF ASBESTOS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies (cont.)						
Grenada—						
Manufactured	(£1,357)	(£1,387)	(£1,102)	£152	(£1,835)	(£584)
Jamaica—						
Unmanufactured ..	(£705)	(£1,087)	(£774)	11	49	24
Manufactured	(£108,549)	(£94,623)	(£75,464)	1,703	1,028	1,330
St. Vincent—						
Sheets	(£54)	(£946)	6	23	2	4
Trinidad and Tobago—						
Cement products ..	2,051	1,196	785	1,636	1,206	523
Other manufactures ..	258	456	99	349	251	370
British Guiana—						
Cement sheets, etc. ..	542	426	(£5,174)	157	358	785
Other manufactures ..	255	237	(£22,447)	269	969	1,102
Aden—						
Manufactured	—	—	—	—	606	1,514
Ceylon—						
Unmanufactured ..	(a)	(a)	(a)	(a)	—	214
Cement sheets, etc. ..	(a)	(a)	12,994	9,276	11,123	16,424
Other manufactures ..	(a)	(a)	76	318	52	46
Cyprus—						
Cement products ..	3,680	1,159	3,073	3,643	872	1,790
Other manufactures ..	(£411)	(£1,854)	(£2,747)	(£6,389)	(£8,971)	(£6,670)
Hong Kong (total imports)—						
Unmanufactured ..		25	—	—	5	1
Manufactures	(£477,201)	(£244,699)	(£133,014)	(£25,670)	(£34,450)	(£59,335)
India—						
Unmanufactured ..	10,925	11,148	2,849	8,263	12,771	15,391
Cement products ..	4,391	914	178	1,122	2,474	7,049
Packing	(£32,291)	(£73,062)	(£111,620)	(£108,224)	(£162,046)	(£97,325)
Other manufactures ..	(£217,788)	(£220,634)	(£259,657)	(£279,242)	(£253,366)	(£431,442)
Malaya (total imports)—						
Unmanufactured ..	(a)	(a)	1,077	2,719	1,885	2,321
Cement products ..	12,536	17,209	13,608	19,897	27,124	20,630
Other manufactures ..	4,921	5,810	250	265	391	424
North Borneo—						
Cement products ..	806	1,213	598	929	1,222	1,513
Other manufactures ..	(a)	(a)	(a)	(a)	117	6
Pakistan—						
Cement sheets	(b) 6,766	(b) 6,265	(b) 3,714	(b) 4,844	(b) 3,854	2,320
Sarawak—						
Cement sheets	224	420	485	180	609	1,674
Other manufactures ..	19	60	41	16	8	—
Australia (c)—						
Crude	32,525	24,686	28,784	26,406	42,677	32,219
Packing, etc. (e) ..	(£157,377)	(£272,546)	(£191,586)	(£345,493)	(£404,482)	(£347,342)
New Zealand—						
Unmanufactured ..	2,348	4,749	1,842	3,460	4,053	2,727
Cement sheets (d) ..	1,035,661	649,534	44,707	33,437	69,474	31,849
Other manufactures (£ N.Z.) ..	(£114,686)	(£161,268)	(£123,889)	(£155,224)	(£191,727)	(£355,695)
Irish Republic—						
Unmanufactured ..	(a)	2,931	1,887	2,301	1,564	2,607
Manufactured	8,768	6,272	3,943	2,615	5,221	2,899

(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
Austria—						
Unmanufactured ..	8,458	6,311	5,410	6,653	12,281	7,783
Manufactured ..	87	115	86	163	231	213
Belgium-Luxemburg						
E.U.—						
Unmanufactured ..	32,018	32,272	29,504	30,173	40,576	43,607
Spun and woven ..	271	513	153	196	204	257
Paper and board ..	511	367	518	616	548	598
Cement sheets and tiles	62	151	530	375	1,834	3,716
Other manufactures ..	801	664	557	951	1,008	1,275
Denmark—						
Unmanufactured ..	8,257	11,853	10,041	9,933	9,421	12,837
Spun and woven ..	113	171	136	131	156	354
Paper and board ..	502	314	331	511	529	564
Packing, etc. ..	58	27	109	195	193	197
Cement sheets ..	52	48	218	178	250	193
Finland—						
Unmanufactured ..	1,132	1,245	878	1,261	1,386	1,948
Manufactured ..	587	333	195	532	553	358
France—						
Unmanufactured ..	39,815	55,149	32,341	37,746	50,551	55,264
Spun and woven ..	4	7	20	20	19	113
Paper and board ..	136	142	134	151	248	217
Germany (Federal)—						
Unmanufactured ..	24,928	36,574	28,260	37,671	63,327	74,749
Manufactured ..	679	445	427	485	635	951
Greece ..	89	410	11	158	(a)	(a)
Iceland—						
Unmanufactured ..	34	42	42	8	51	56
Manufactured ..	27	20	66	32	35	43
Italy—						
Unmanufactured ..	9,285	9,436	10,214	11,609	13,610	20,318
Manufactured ..	686	519	653	577	856	1,019
Cement products ..	421	115	93	187	51	343
Netherlands—						
Unmanufactured ..	6,140	8,737	10,077	8,818	11,278	15,694
Cement sheets, tiles, etc.	32,142	19,981	32,546	40,335	49,051	69,287
Other manufactures ..	1,342	1,675	2,094	2,558	2,803	2,524
Norway—						
Unmanufactured ..	3,302	3,202	2,376	3,170	3,819	3,672
Manufactured ..	1,406	1,120	970	2,777	3,633	4,013
Portugal—						
Unmanufactured ..	1,454	2,210	1,516	1,898	2,960	2,910
Manufactured ..	121	98	49	64	63	56
Spain—						
Unmanufactured ..	4,615	8,693	5,745	7,511	4,705	12,090
Manufactured ..	236	192	179	83	179	549
Sweden—						
Unmanufactured ..	5,197	11,076	10,645	14,180	12,728	11,390
Manufactured ..	2,146	1,494	1,443	1,859	2,107	2,169
Switzerland (including mica)—						
Unmanufactured ..	5,908	5,057	4,323	5,003	5,486	8,169
Manufactured ..	2,157	1,722	1,830	2,579	3,234	4,295
Yugoslavia—						
Unmanufactured ..	295	1,886	1,929	2,136	3,132	1,344
Manufactured ..	142	276	276	236	336	272
Algeria—						
Unmanufactured ..	1,652	2,932	1,755	2,776	3,986	3,025
Manufactured ..	173	40	32	38	60	93

(a) Information not available.

IMPORTS OF ASBESTOS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Angola—						
Unmanufactured ..	250	264	587	664	608	872
Manufactured	6	12	12	44	9	10
Belgian Congo—						
Unmanufactured ..	1,981	2,939	2,513	1,950	2,128	1,196
Egypt—						
Unmanufactured ..	962	1,740	1,563	1,754	2,515	(a)
Paper and board ..	183	102	35	135	152	(a)
Other manufactures ..	248	328	115	212	299	(a)
Morocco (Southern)—						
Unmanufactured ..	741	1,986	635	810	1,062	973
Manufactured	(a)	75	125	127	86	42
Mozambique—						
Unmanufactured ..	674	1,183	527	468	715	1,282
Manufactured	8	11	11	11	14	21
Sudan—						
Sheets, pipes, etc. ..	3,889	2,729	12,593	8,740	2,022	4,641
Costa Rica (total imports)						
Manufactured	(a)	(a)	586	453	224	52
Guatemala (total imports)						
Unmanufactured ..	(a)	149	216	244	284	289
Manufactured	(a)	(a)	315	283	67	204
Mexico (total imports)—						
Unmanufactured ..	2,943	5,358	4,883	4,595	7,334	10,378
Manufactured	1,247	1,064	833	869	905	599
Netherlands						
West Indies—						
Manufactured	581	863	260	709	372	939
Cement sheets	4,155	3,759	2,691	2,607	2,070	2,828
Nicaragua (total imports)						
Manufactured	341	373	317	697	209	116
Salvador—						
Unmanufactured ..	(a)	(a)	346	620	361	284
Manufactured	(a)	(a)	74	58	79	74
United States—						
Unmanufactured—						
Crude	31,518	34,487	35,001	33,447	36,293	49,407
Mill fibre	201,137	189,860	152,404	133,002	150,136	139,887
Other	447,589	409,062	430,671	439,256	474,663	426,783
Manufactured	851	452	445	4,064	16,307	26,831
Argentina—						
Spun and woven ..	1,019	96	576	963	725	414
Paper and board ..	18,043	4,340	9,569	2,931	11,026	5,163
Brazil (total imports)—						
Unmanufactured ..	10,925	10,919	7,996	13,179	7,493	10,526
Manufactured	3,081	2,360	495	1,370	1,050	946
Chile—						
Unmanufactured ..	82	1	—	—	—	(a)
Manufactured	2,481	3,554	4,639	3,219	4,243	(a)
Colombia (total imports)						
Unmanufactured ..	4,449	6,509	6,605	4,807	8,668	6,097
Manufactured	382	344	245	458	504	928
Dutch Guiana—						
Unmanufactured ..	7	8	4	7	7	—
Sheets	38	105	598	540	545	490
Ecuador—						
Unmanufactured ..	11	8	23	64	15	25
Manufactured	20	275	52	90	63	37
Peru—						
Unmanufactured ..	1,169	1,949	643	1,343	1,849	1,623
Manufactured	252	283	297	151	400	217
Uruguay	1,385	1,766	1,656	(a)	(a)	(a)

(a) Information not available.

IMPORTS OF ASBESTOS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Venezuela (total imports)						
Unmanufactured ..	865	1,554	1,618	2,161	2,020	1,710
Manufactured	5,575	2,647	1,284	1,175	4,744	2,621
Formosa—						
Unmanufactured .. }	580	437	107	558	427	501
Manufactured }		222	456	409	531	370
Indonesia—						
Unmanufactured ..	42	62	129	69	163	68
Cement sheets, etc. ..	10,485	9,819	26,501	3,813	3,899	28,386
Other manufactures ..	381	672	289	216	385	498
Iraq—						
Unmanufactured ..	104	7	18	38	56	(a)
Japan—						
Unmanufactured ..	22,432	13,142	18,606	19,961	20,078	32,861
Manufactured	164	236	415	510	785	913
Lebanon—						
Unmanufactured ..	317	826	470	383	216	1,009
Philippine Republic—						
Unmanufactured ..	361	181	651	981	225	1,033
Manufactured	146	215	978	776	2,054	1,327
Siam (total imports)—						
Manufactured	(a)	(a)	1,294	2,132	5,670	1,210
Syria—						
Cement sheets	723	382	572	938	(a)	(a)
Other manufactures ..	27	(a)	25	24	(a)	(a)
Turkey—						
Unmanufactured ..	3	44	3	15	31	492
Manufactured	2,119	1,982	1,317	3,564	2,180	143

(a) Information not available.

BARIUM MINERALS

PRODUCTION OF BARIUM MINERALS*

(Long tons)

Producing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain—						
Barytes and witherite, unground ..	58,234	43,276	42,914	45,709	49,452	58,095
Barytes, unbleached ..	29,185	26,834	25,992	27,475	33,499	17,503
Canada	87,601	121,430	220,738	197,743	226,550	264,570
Southern Rhodesia ..	83	267	239	—	—	—
Swaziland	469	397	406	323	401	461
Union of South Africa ..	2,006	1,691	1,868	2,091	1,689	2,422
India	10,471	10,030	9,400	18,792	7,623	6,315
Australia	6,178	4,944	5,677	6,872	6,264	6,009
Irish Republic—						
Barytes, refined ..	1,393	313	—	(a)	(a)	(a)
do. unrefined ..	6,715	1,480	—	2,750	5,565	(a)
FOREIGN COUNTRIES						
Austria	9,493	5,079	2,768	4,813	5,806	3,048
France	38,870	41,986	39,168	46,751	62,953	47,000
Germany (Federal) ..	410,884	340,378	377,790	370,128	400,940	405,212
Greece	28,381	21,162	26,478	21,651	19,153	25,753
Italy	75,332	55,882	70,629	73,153	102,353	90,344
Portugal	708	611	310	343	319	309
Spain	12,252	15,617	17,613	10,482	8,779	6,626
Sweden (sales) ..	148	—	—	96	122	—
Yugoslavia (exports) ..	9,695	26,391	61,149	95,571	84,224	78,449
Algeria	20,690	9,690	16,804	13,356	30,107	29,324
Egypt	40	10	30	31	60	(a)
Morocco (Southern) ..	3,205	3,062	49	9,150	24,267	29,127
Tunis	10	25	—	—	—	—
Cuba (b)	—	—	4,379	—	(a)	(a)
Mexico (b)	1,377	11,090	56,288	50,778	105,048	210,529
United States	754,981	904,296	821,451	826,818	994,747	1,160,614
Argentina	17,716	(c) 13,000	(c) 14,700	(a)	20,000	21,000
Brazil	(a)	(a)	(b) 14,164	11,966	3,526	(b) 14,623
Chile	1,053	2,338	1,390	3,166	3,094	425
Colombia	2,000	4,000	7,628	9,000	6,000	7,500
Peru	22,652	8,960	15,294	11,025	8,402	50,116
Japan	16,442	14,006	17,277	18,585	18,191	18,373
Korea (South)	—	780	1,081	300	833	664
Philippine Republic ..	(a)	(a)	(a)	(a)	(a)	4,505
TOTAL†	1,640,000	1,690,000	1,870,000	1,910,000	2,230,000	2,560,000

*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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ground barytes ..	191	115	218	212	212	(a)
Barium compounds, excluding blanc fixe ..	3,251	2,254	2,060	3,496	3,263	3,044
Southern Rhodesia—						
Barytes	222	415	152	—	—	—
Swaziland	(c)	(c)	(c)	(c)	(c)	(c)
Canada—						
Unground barytes ..	43,983	75,929	217,000	185,586	217,920	278,820
Ground barytes ..	40,829	43,826				
India—						
Unground barytes ..	5,085	2,306	2,510	8,391	2,573	6,702
Australia (b)—						
Unground barytes ..	130	214	192	(a)	(a)	(a)
Ground barytes ..	1,525	1,357	838	1,667	1,617	1,016
Sulphate incl. blanc fixe	1	1	5			
Irish Republic—						
Unground barytes ..	8,045	5,035	1,200	2,186	9,015	9,680
Ground barytes ..	766	(a)	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Barytes	—	—	—	27	3	—
Belgium-Luxemburg						
E.U.—						
Barytes and witherite ..	5	25	21	1,186	1,674	1,370
Barytes, ground ..	96	101	160	93	29	6
Sulphate	1,449	423	789	1,732	1,255	636
Carbonate	523	261	264	132	160	180
Chloride	1,338	100	344	161	19	40
Sulphide	10	—	—	—	—	—
France—						
Barytes	2,033	757	252	689	13,257	5,026
Witherite	454	38	66	49	38	90
Precipitated carbonate ..	1,965	1,187	3,004	2,260	2,909	1,779
Precipitated sulphate ..	583	156	354	421	144	74
Barium compounds ..	1,296	525	1,296	2,068	2,741	4,236
Germany (Federal)—						
Barytes	130,752	70,783	77,115	121,684	123,481	116,823
Witherite .. .. .							15	6	8
Carbonate	7,694	5,645	8,247	7,328	8,612	7,593
Chloride	3,642	2,256	3,537	5,398	5,092	4,598
Sulphate	(d) 6,924	(e) 5,684	11,431	277	(a)	(a)
Greece—						
Barytes	25,728	4,805	29,027	18,592	19,943	35,769

*For Lithopone, see "Zinc", pages 349-351.

(a) Information not available.

(d) January to September only.

(b) Years ended June 30 of that stated.

(e) April to December only.

(c) See explanatory note (7) on page iv.

EXPORTS OF BARIUM MINERALS, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Italy—						
Barytes	36,824	16,722	13,908	18,558	29,953	31,699
Witherite	140	110	—	20	6	15
Precipitated carbonate ..	148	212	300	90	54	40
Chloride	288	66	64	556	417	461
Precipitated sulphate ..	823	1	13	—	14	13
Netherlands—						
Barytes, ground	54	72	11	3	5	393
Sulphate	91	69	56	452	612	903
Sulphide	—	—	587	2,609	5,503	3,979
Sweden—						
Barytes and witherite ..	—	—	—	1	—	39
Yugoslavia—						
Unground barytes	6,860	23,717	58,826	92,229	82,898	71,108
Ground barytes	2,835	2,674	2,323	3,342	1,326	7,341
Algeria—						
Barytes	10,124	8,632	9,066	11,823	15,795	19,041
Morocco (Southern)—						
Barytes	811	1,063	1,176	8,348	13,707	21,751
Tunis—						
Barytes	—	(a)	25	(a)	(a)	49
Cuba—						
Barytes	—	—	4,379	—	(a)	(a)
Mexico—						
Barytes	1,377	11,090	56,288	50,778	105,048	210,529
Brazil—						
Barytes	(a)	(a)	14,164	4,840	4,527	14,623
Peru—						
Barytes	—	136	3,081	11,331	19,026	48,584
Japan—						
Barytes	—	—	49	—	—	—
Chloride	—	—	4	3	6	2
Sulphate	22	17	16	7	9	179

(a) Information not available.

IMPORTS OF BARIUM MINERALS, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Unground barytes ..	38,673	11,745	2,344	34,060	50,133	31,400
Ground barytes ..	19,616	11,150	16,012	21,209	21,793	18,999
Barium compounds, excluding blanc fixe ..	1,179	762	1,191	2,824	3,322	3,021
Union of South Africa—						
Barytes	788	616	722	742	522	848
Barium compounds ..	124	158	63	168	150	227
Canada—						
Barytes	954	1,290	1,078	1,104	1,294	1,317
Blanc fixe	331	189	234	279	535	400
British West Indies—						
Trinidad and Tobago—						
Ground barytes ..	24,687	19,914	25,293	22,769	26,621	35,622
Hong Kong (total imports)—						
Barytes	147	(a)	(a)	(a)	(a)	(a)
India—						
Barytes	101	38	31	30	107	29
Pakistan—						
Barytes	(c) 1,818	(c) 3,519	(c) 875	(c) 1,739	(c) 99	3,329
Australia (b)—						
Barytes ground ..	69	73	12	27	231	285
Carbonate	188	290	63	88	218	273
Chloride	102	219	42	104	188	196
Sulphate incl. blanc fixe	389	966	69	143	266	518
Other compounds ..	50	83	73	87	40	70
New Zealand—						
Barytes	999	819	831	1,000	773	676
Barium compounds ..	34	68	9	51	(a)	(a)
Irish Republic—						
Ground barytes, including blanc fixe ..	675	(a)	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Barytes	9,817	3,063	4,820	6,620	7,304	7,343
Carbonate	400	570	230	264	340	214
Chloride	131	—	17	30	125	148
Belgium-Luxemburg						
E.U.—						
Barytes and witherite ..	29,444	7,236	3,519	12,284	21,269	17,470
Barytes, ground ..	5,904	5,370	5,784	6,395	6,039	5,739
Sulphate	796	492	672	702	1,127	1,524
Carbonate	3,188	1,515	2,382	2,963	2,716	1,904
Chloride	560	544	1,325	976	1,587	2,307
Sulphide	5	5	588	2,615	2,934	2,950
Denmark—						
Barytes	205	52	—	87	57	41
Witherite	299	49	60	131	203	226
Chloride	190	40	153	264	170	215
Sulphate	1,937	1,685	1,040	1,058	1,076	983

*For Lithopone, see "Zinc", pages 352-356.

(a) Information not available.

(c) Years ended March 31 following that stated.

(b) Years ended June 30 of that stated.

IMPORTS OF BARIUM MINERALS, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Finland—						
Barytes	642	153	322	682	876	420
Witherite	5	15	—	—	5	15
Chloride	25	2	10	58	9	114
Carbonate	59	38	29	98	31	66
Sulphate	247	76	67	109	216	183
France—						
Barytes	37,399	24,416	20,233	26,367	40,577	36,372
Witherite	675	494	—	150	326	614
Chloride	109	7	—	10	21	1
Hydrate	10	5	25	15	23	22
Precipitated carbonate	—	47	—	—	—	—
Precipitated sulphate ..	340	235	408	429	801	1,422
Sulphide	41	—	—	—	—	—
Germany (Federal)—						
Barytes and witherite ..	(a)	5	—	—	14,458	16,276
Italy—						
Barytes	27	21	130	113	615	71
Witherite	501	493	1,980	1,013	971	498
Precipitated carbonate ..	197	1,028	1,488	561	467	401
Chloride	205	201	298	23	75	101
Precipitated sulphate ..	234	354	552	402	580	670
Netherlands—						
Barytes and witherite ..	20,384	15,668	13,403	15,913	23,380	26,726
Barytes, ground	5,388	3,120	4,595	4,724	4,874	4,350
Carbonate	1,044	534	1,516	1,531	1,909	1,614
Chloride	368	165	290	342	240	241
Sulphate	660	1,150	1,537	2,502	2,324	1,310
Portugal—						
Barytes	—	—	—	106	120	101
Carbonate	2	16	—	12	—	—
Chloride	67	86	117	168	113	73
Sulphate	76	130	70	32	34	12
Sweden—						
Barytes and witherite ..	2,705	1,231	1,818	2,073	2,673	2,908
Sulphate	1,099	866	938	1,267	1,750	1,642
Carbonate and chloride	1,629	454	633	1,452	1,316	1,069
Algeria—						
Barytes (including precipitate) ..	75	60	4	2	89	1
Witherite (including precipitate) ..	35	43	66	82	254	281
Belgian Congo—						
Barytes and witherite ..	(a)	(a)	32	32	10	—
Chloride	81	(a)	22	20	2	5
Sulphate	(a)	(a)	143	202	316	271
Morocco (Southern)—						
Barytes	(a)	790	642	865	670	952
Tunis—						
Barytes	336	(a)	—	(a)	375	177
Precipitated sulphate ..	336	(a)	199	10	—	18
Cuba (total imports)—						
Sulphate	500	318	284	379	(a)	(a)
Mexico (total imports)—						
Barytes	1,778	4,241	2,055	2,729	1,937	3,942
United States—						
Unground barytes	47,103	96,355	298,918	283,119	321,104	520,740
Ground barytes	143	5,911	231	225	263	329
Witherite	1,800	4,620	4,400	3,942	2,110	2,620
Sulphate	11	29	897	703	804	916
Barium compounds	2,079	1,173	4,499	2,406	3,184	3,509

(a) Information not available.

IMPORTS OF BARIUM MINERALS, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Sulphate	(a)	53	252	487	—	24
Barium compounds ..	(a)	288	359	629	165	236
Brazil (total imports)—						
Carbonate	(a)	150	66	636	69	201
Chloride	340	115	121	541	86	57
Sulphate	882	536	113	719	223	426
Chile—						
Barytes	20	14	23	8	40	(a)
Carbonate	17	22	36	5	36	(a)
Chloride	10	2	—	—	1	(a)
Sulphate	2	4	2	2	3	(a)
Columbia (total imports)						
Witherite	—	—	23	23	8	9
Carbonate	5	—	—	23	23	43
Chloride	—	5	10	5	34	1
Sulphate	226	1,138	23	485	1,031	2,004
Peru—						
Barytes	454	17	3	22	31	23
Witherite	20	25	28	42	96	21
Carbonate	25	2	15	1	14	35
Sulphate	4	3	2	4	1	3
Other compounds ..	6	—	58	14	20	13
Uruguay—						
Oxides	77	—	72	(a)	(a)	(a)
Sulphate	639	89	373	(a)	(a)	(a)
Venezuela (total imports)						
Barytes	(a)	21,249	43,235	41,015	(a)	45,391
Sulphate	(a)	19	40	133	(a)	37
Japan—						
Barytes	—	1,481	337	2,062	2,174	4,368
Turkey—						
Barytes	50	27	23	3	33	41
Sulphate	—	—	—	16	—	26
Barium compounds ..	71	102	13	108	99	11

(a) Information not available.

BERYL
PRODUCTION OF BERYL
(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Kenya	—	1	—	—	—	—
Northern Rhodesia ..	4	8	5	1	18	12
Somaliland Protectorate	—	—	—	—	17	(c) 16
Southern Rhodesia ..	991	1,060	1,584	962	860	541
South West Africa ..	741	529	527	504	421	405
Uganda	2	—	50	69	99	88
Union of South Africa ..	583	369	474	181	122	119
India	211	(a)	(a)	(a)	(a)	(a)
Australia	112	87	125	149	206	318
FOREIGN COUNTRIES						
Portugal	100	92	370	329	301	218
Belgian Congo	—	—	7	44	323	1,701
Madagascar	522	391	461	579	282	151
Morocco (Southern) ..	83	127	32	15	2	—
Mozambique	226	205	215	895	857	842
United States (shipments)	432	460	671	597	450	411
Argentina	(a)	620	610	1,280	1,330	1,537
Brazil	1,713	2,836	1,899	1,411	1,745	2,073
Dutch Guiana	—	—	2	9	—	—
Afghanistan	—	—	—	27	29	27
TOTAL (b)	5,720	7,000	7,200	7,200	7,300	8,700

(a) Information not available.

(b) Estimated.

(c) Exports.

EXPORTS OF BERYL
(Domestic Produce)
(Long tons)

Exporting Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Somaliland Protectorate	—	—	—	—	17	16
Southern Rhodesia ..	1,244	793	1,468	1,048	815	610
South West Africa ..	395	588	528	400	355	354
Uganda	—	—	33	29	138	96
Union of South Africa ..	801	247	472	172	113	195
India	351	(b) 175	(b) 178	(b) 340	(b) 754	(a) 309
Australia	112	87	125	163	210	—
FOREIGN COUNTRIES						
Portugal	115	75	331	306	277	233
Madagascar	465	304	110	454	131	183
Morocco (Southern) ..	87	125	44	10	18	—
Mozambique	(b) 155	(b) 275	205	879	705	860
Argentina (b)	—	491	1,303	—	394	2,081
Brazil	1,508	2,440	1,926	1,253	1,527	1,912

(a) Information not available.

(b) Imports into the United States.

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

Importing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (b) ..	336	119	129	175	232	416
FOREIGN COUNTRIES						
United States	3,854	5,337	7,141	5,192	5,390	11,046

*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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
South West Africa—						
Ore	4	—	1	45	43	5
Uganda—						
Ore (<i>Bi content</i>) ..	57	55	10	4	22	5
Union of South Africa—						
Ore (<i>Bi content</i>) ..	64	35	14	10	2	3
Canada—						
Metal plus content of bullion, etc. exported	2,056	1,450	1,048	2,310	2,374	2,438
Australia—						
Concentrates (<i>Bi content</i>)	23	28	8	12	—	1
FOREIGN COUNTRIES						
France—						
Mispickel (<i>Bi content</i>)	1,772	1,693	1,417	211	1,190	980
Spain—						
Ore (<i>Bi content</i>) ..	222	160	509	734	570	1,370
Yugoslavia—						
Bismuth metal	1,728	1,943	1,938	2,159	2,049	2,188
Belgian Congo—						
Ore (<i>Bi content</i>) ..	4	9	—	19	1	—
Mozambique—						
Ore (<i>Bi content</i>) ..	14	100	63	17	37	7
Mexico—						
Ore (<i>Bi content</i>) ..	6,656	7,993	6,600	7,106	6,911	12,420
Argentina—						
Concentrates (<i>Bi content</i>) (b) ..	(a)	5	12	90	190	61
Bolivia (exports)—						
Ore, etc. (<i>Bi content</i>) ..	1,358	314	1,239	906	1,009	668
Peru—						
Lead bars (<i>Bi content</i>)	—	62	—	—	3,267	(a)
Metal	5,170	6,321	5,642	6,176	3,293	(c) 5,945
Anode residues (<i>Bi content</i>)	4,396	2,505	—	—	—	(a)
Korea (South)—						
Ore (<i>Bi content</i>) ..	246	2,165	4,724	2,254	2,557	3,596

*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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom						
Bismuth	3,572	3,634	6,329	6,735	6,595	10,576
Bismuth salts	2,326	2,437	2,661	3,537	2,802	2,880
South West Africa—						
Ore	3	—	4	—	3	2
Uganda						
Ore (<i>Bi content</i>)	33	21	37	20	2	—
Union of South Africa—						
Bismuth	44	11	17	12	—	—
Canada—						
Metal	786	300	—	1,201	500	1,179
Australia (<i>d</i>)—						
Concentrates	—	—	128	114	(a)	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bismuth	79	20	217	537	380	102
Salts	40	—	—	8	—	—
France—						
Bismuth and alloys including scrap	1,203	1,325	986	344	496	1,183
Bismuth nitrate	187	87	179	291	380	(a)
Germany (Federal)—						
Bismuth	(a)	242	693	630	281	1,470
Bismuth salts	(b) 681	(a)	(a)	(a)	(a)	(a)
Yugoslavia—						
Bismuth	1,352	1,838	1,826	2,170	1,888	2,134
Mexico—						
Bismuth, refined	—	—	652	1,779	2,171	2,102
do. impure bars	5,277	7,492	6,187	7,013	4,633	11,753
(<i>Bi content</i>) (<i>c</i>)	3,643	6,825	(a)	(a)	(a)	(a)
United States—						
Matte, residues, etc.	106	262	378	430	983	106
Metal and alloys	1,312	2,186	1,134	1,231	1,818	2,563
Bolivia—						
Ore, etc. (<i>Bi content</i>)	1,358	314	1,240	906	1,009	668
Chile—						
Salts	—	10	10	—	5	(a)
Peru—						
Bars, etc. (<i>Bi content</i>)	5,067	6,122	5,327	6,890	6,186	5,945
Japan—						
Bismuth	122	48	—	98	—	174
Korea (South)—						
Bismuth, unwrought	654	366	2,809	2,244	2,047	3,169

(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.

IMPORTS OF BISMUTH, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Bismuth	4,977	4,561	4,697	6,060	4,777	6,452
Unwrought alloys (c) ..	3,080	3,495	4,120	6,126	6,981	11,278
Canada—						
Bismuth	5	22	9	—	53	215
Bismuth salts	(£8,261)	(£9,814)	(£6,852)	(£11,405)	(£7,927)	(£7,807)
Australia (d)—						
Bismuth	170	346	309	345	322	324
Bismuth salts	52	74	23	98	175	110
New Zealand—						
Bismuth and its salts ..	66	230	56	97	123	161
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bismuth	39	39	157	69	58	128
Bismuth salts	128	138	196	752	880	1,261
Denmark—						
Bismuth salts	173	244	270	258	193	278
France—						
Bismuth and alloys including scrap ..	2,411	3,027	3,653	4,264	5,189	6,096
Bismuth salts	4	26	—	—	—	(a)
Germany (Federal)—						
Bismuth	(a)	407	1,252	1,506	2,240	2,224
Bismuth salts	(b) 2	(a)	(a)	(a)	(a)	(a)
Italy—						
Bismuth	215	217	222	337	411	295
Bismuth salts	128	1,008	49	89	177	161
Netherlands—						
Bismuth salts	(a)	(a)	138	118	296	256
Spain—						
Bismuth	79	79	100	8	10	14
Bismuth salts	2	154	—	1	—	—
Algeria—						
Bismuth salts	2	6	6	—	2	(a)
Morocco (Southern)—						
Bismuth salts	(a)	109	63	80	52	105
Mexico (total imports)—						
Bismuth salts	(a)	73	55	53	54	150
United States—						
Bismuth	4,589	6,324	5,727	5,615	5,390	8,297
Argentina—						
Bismuth and its salts ..	(a)	396	607	663	699	273
Brazil (total imports)—						
Bismuth	(a)	(a)	6	70	3	31
Bismuth salts	(a)	(a)	227	495	266	288
Chile—						
Bismuth	4	22	31	52	32	(a)
Colombia (total imports)						
Bismuth salts	137	40	53	81	102	82
Peru—						
Bismuth salts	12	13	26	13	16	23

(a) Information not available.

(b) January to September only.

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

(d) Years ended June 30 of that stated.

IMPORTS OF BISMUTH, ETC, (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Iran (b)—						
Bismuth salts	27	50	440	72	(a)	(a)
Japan—						
Bismuth	55	(a)	359	10	1	—
Turkey—						
Bismuth	2	32	7	1	—	(a)
Bismuth salts	124	203	219	146	302	150

(a) Information not available.

(b) Years ended March 20 following that stated.

BORATES

PRODUCTION OF CRUDE BORATES

(Long tons)

Producing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
Italy— Boric acid	4,542	4,263	4,139	3,783	3,631	3,630
United States (sales)— Borates	770,354	521,275	638,596	705,758	825,443	843,705
Argentina— Borate of calcium ..	(a)	(a)	(a)	(a)	13,000	20,000
Chile— Borax	(a)	(a)	(d) 2,000	(a)	(a)	(a)
Peru— Borax	5	25	—	(a)	(a)	(a)
Turkey— Borates	11,825	13,513	6,285	14,105	41,520	32,948

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

(a) Information not available.

EXPORTS OF BORATES

(Domestic Produce)

(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Borax	1,455	953	1,065	1,609	1,588	595
Boric acid	236	(a)	(a)	(a)	(a)	(a)
Hong Kong (re-exports)—						
Borax	476	170	2	3	—	1
India—						
Borax	9	7	4	—	—	—
FOREIGN COUNTRIES						
Austria—						
Boric acid	12	—	—	—	3	1
Perborate of sodium ..	628	600	1,116	1,042	1,446	2,417
Belgium-Luxemburg						
E.U.—						
Borax	1,047	246	37	1,540	1,227	1,067
Borates and perborates	3	2	113	116	38	14
France—						
Borax	634	474	681	977	663	614
Boric acid	113	126	180	126	158	136
Borates and perborates	258	109	62	83	77	44
Germany (Federal)—						
Borates	959	739	2,228	3,541	2,261	1,325
Boric acid		331	284	486	312	307
Perborate of sodium ..		(a)	1,702	5,679	9,571	11,128	11,107
Italy—						
Boric acid, crude ..	—	—	162	108	40	444
do. refined ..	324	1,007	696	420	238	
Borax and borates ..	181	508	1,425	1,439	921	1,912
Perborates	1,030	726	1,344	234	1	3
Netherlands—						
Borax	41	31	1,070	623	673	351
Sweden—						
Borax and boric acid ..	1	1	3	—	1	—
Perborate of sodium ..	—	69	103	90	110	59
Switzerland—						
Borax	338	44	482	—	51	20
United States—						
Borax, borates and boric acid	190,576	92,225	124,390	183,584	198,954	2,176,612
Argentina—						
Borates of calcium and sodium	(a)	—	50	984	—	—
Japan—						
Borax	146	14	298	1,032	813	2
Boric acid	2	6	9	386	599	20
Turkey—						
Borates	12,354	11,969	9,116	17,206	30,906	3,340

(a) Information not available.

IMPORTS OF BORATES

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Borates	18,739	13,309	13,511	16,095	15,779	15,852
Borax, crude	—	6	—	35	70	35
do. refined	22,005	12,103	17,026	25,388	23,487	23,250
Boric acid	5,804	2,971	3,664	5,115	5,426	3,079
Kenya—						
Borax, refined	15	88	6	(a)	(a)	(a)
Southern Rhodesia—						
Borax	18	74	57	(c) 85	(c) 45	(c) 64
Boric acid	4	3	5	(c) 4	(c) 7	(c) 4
Tanganyika—						
Borax, refined	8	5	4	(a)	(a)	(a)
Uganda—						
Borax, refined	2	1	3	(a)	(a)	(a)
Union of South Africa—						
Borax	525	415	470	576	974	1,202
Boric acid	252	208	179	275	247	224
Canada—						
Borax	8,132	7,443	8,554	7,547	8,413	9,248
Boric acid	2,242	1,562	1,698	1,049	1,348	1,663
Hong Kong (total imports)—						
Borax, crude	971	1,060	47	15	—	—
do. refined			2,490	3,411	4,232	5,811
India—						
Borax	7,422	491	903	4,563	3,050	4,329
Pakistan—						
Borax	(b) 248	(b) 261	(b) 438	(b) 430	(b) 742	516
Australia (d)—						
Borates, crude	100	58	70	219	(a)	(a)
Boron salts	2,106	3,620	1,602	2,316	3,228	3,171
Boric acid	1,209	1,194	591	570	817	985
New Zealand—						
Borax	10	18	24	52	(a)	(a)
do. fertilizer	380	887	412	534	879	865
Boric acid	147	143	141	146	267	239
Irish Republic—						
Borax	553	775	771	448	605	845
Boric acid	118	67	110	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Borax, crude	2,686	1,871	1,850	2,490	3,620	3,899
do. refined	3	—	—	1	3	1
Boric acid	—	—	3	1	1	6
Perborate of sodium	80	—	28	20	1	—
Belgium-Luxemburg						
E.U.—						
Borax	2,171	1,446	1,432	1,312	1,579	1,456
Boric acid	252	217	302	323	591	410
Borates and perborates	1,886	568	1,582	2,298	2,747	3,400
Denmark—						
Borax	78	134	36	25	48	63
Boric acid	84	58	76	119	76	93
Borates and perborates	1,418	854	1,196	1,497	1,644	1,762

(a) Information not available.

(b) Year ended March 31 following that stated.

(c) Federation of Rhodesia and Nyasaland.

(d) Years ended June 30 of that stated.

IMPORTS OF BORATES (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956	
FOREIGN COUNTRIES							
(cont.)							
Finland—							
Borax	415	119	552	822	479	1,026	
Boric acid	59	88	46	124	63	112	
France—							
Boron minerals ..	21,999	11,017	8,562	16,175	16,969	18,082	
Borax refined	2,160	2,655	4,962	5,981	7,262	9,951	
Boric acid	226	143	—	9	218	1,184	
Borates and perborates	333	221	678	768	642	821	
Germany (Federal)—							
Boron minerals ..	23,013	18,757	11,658	30,946	30,434	30,977	
Boric acid	11,141	1,043	1,664	2,697	4,600	4,891	
Borates		2,157	3,690	6,430	7,868	9,016	
Perborate of sodium ..		(a)	133	978	169	274	412
Greece—							
Borax	44	72	58	34	(a)	(a)	
Italy—							
Boron minerals ..	1,962	1,117	3,267	4,969	11,986	15,901	
Boric acid	178	365	139	—	—	—	
Borax and borates ..	3,322	3,109	1,770	760	1,314	2,080	
Perborates	161	367	652	106	285	554	
Netherlands—							
Borax	8,270	4,502	6,727	8,464	8,816	8,380	
Boric acid	554	393	310	634	804	712	
Perborates	823	632	911	1,864	983	839	
Norway—							
Borax	698	365	267	691	847	1,415	
Boric acid	243	292	267	277	362	1,193	
Portugal—							
Boric acid	90	166	58	128	71	159	
Borax	295	869	279	425	1,076	830	
Spain—							
Boric acid	—	3	1	—	8	2	
Borates	238	274	252	9	—	6	
Sweden—							
Borax	3,027	2,098	1,231	2,320	2,394	3,018	
Boric acid	524	375	223	293	274	317	
Perborates	2,125	831	1,446	2,543	1,770	1,666	
Switzerland—							
Borax	6,380	275	1,764	3,256	4,073	3,313	
Yugoslavia—							
Borax	333	563	(a)	(a)	(a)	(a)	
Boric acid	(a)	(a)	35	86	29	34	
Algeria—							
Borax and boric acid ..	37	22	17	31	156	55	
Belgian Congo—							
Boric acid	(a)	(a)	1	5	1	64	
Borax	14	(a)	29	13	56	56	
Perborates	(a)	(a)	33	51	70	87	
Egypt—							
Borax	407	253	191	519	373	(a)	
Boric acid	9	39	11	16	23	(a)	
Morocco (Southern)—							
Borax	(a)	46	71	67	101	60	
Perborates	(a)	27	37	60	43	42	
Mozambique—							
Borax	2	6	1	1	7	7	
Boric acid	1	1	1	1	2	1	
Tunis—							
Borax etc.	16	(a)	30	30	15	1	
Cuba (total imports)—							
Borax	104	280	293	332	(a)	(a)	
Boric acid	313	57	82	84	(a)	(a)	

(a) Information not available.

IMPORTS OF BORATES (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Brazil (total imports)—						
Boron minerals.. ..	648	883	912	2,442	854	1,813
Boric acid	421	249	141	884	162	761
Borax	3,016	1,406	542	3,987	886	4,518
Borates			3	577	195	16
Chile—						
Borax	19	14	2	—	—	(a)
Colombia (total imports)						
Borax	349	240	295	384	498	484
Boric acid	137	129	126	177	125	169
Perborate of sodium ..	73	92	63	55	69	25
Ecuador—						
Borax	1	5	2	6	10	8
Boric acid	5	6	10	6	7	6
Peru—						
Borax	233	125	221	215	237	338
Boric acid	22	7	46	52	46	80
Uruguay—						
Borate of calcium ..	301	—	49	(a)	(a)	(a)
Venezuela (total imports)						
Borax	51	33	61	122	(a)	405
Boric acid	(a)	61	50	61	47	100
Indo-China—						
Borates	283	268	252	290	(a)	(a)
Iran (b)—						
Borax	155	187	244	138	(a)	(a)
Boric acid	7	4	3	9	(a)	(a)
Japan						
Borax	13,967	2,009	7,460	7,868	10,605	10,773
Boric acid	803	717	1,108	1,390	2,216	1,909
Philippine Republic—						
Boric acid	23	20	38	33	45	33
Syria—						
Borax	5	(a)	12	53	(a)	39
Boric acid	7	(a)	5	4	(a)	7
Turkey—						
Borax	173	181	293	105	89	158
Boric acid	29	19	25	5	10	33

(a) Information not available.

(b) Years ended March 20 following that stated.

BROMINE
PRODUCTION OF BROMINE
(lb. avdp.)

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
France (b)	2,297,000	1,574,000	1,863,000	2,637,000	2,778,000	2,831,000
Italy	930,560	1,149,439	712,333	1,092,642	1,105,779	(a)
Spain	—	150,000	231,000	246,000	(a)	(a)
United States (c) ..	129,563,073	156,201,577	164,143,348	187,399,110	184,453,846	196,730,115
Japan	1,058,000	952,000	1,667,000	1,905,000	2,950,000	2,751,000

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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Bromine	15,700	5,200	6,000	3,900	25,300	(a)
Bromides	699,200	441,500	308,100	640,500	569,600	537,500
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bromine	—	—	—	220	—	—
Bromides etc.	—	—	—	1,323	7,275	4,630
France—						
Bromine	561,517	251,768	62,170	716,723	854,071	176,590
Bromides	822,765	375,888	619,940	1,036,173	1,118,625	1,078,942
Germany (Federal)—						
Bromine	(b) 459,443	(c) 156,087	358,472	248,229	275,798	227,297
Bromides	789,255	185,850	383,163	419,742	188,054	171,740
Italy—						
Bromine	—	—	941	24	507	7,055
Bromides	61,289	220	15,833	2,866	37,992	8,818
Netherlands—						
Bromides, etc.	39,683	79,366	123,459	194,007	255,736	275,578
Spain—						
Bromine	343	—	—	—	—	—
Bromides	2,220	—	—	—	—	—
Sweden—						
Bromine	4,409	—	—	—	—	—
United States—						
Promine and compounds	2,587,421	2,789,749	3,414,065	5,082,437	3,649,861	6,111,363
Japan—						
Bromine compounds ..	(a)	(a)	628	63,370	17,571	(a)

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Bromine	1,120,300	121,200	2,500	647,000	278,000	56,000
Bromides	897,100	20,900	(a)	(a)	(a)	(a)
Union of South Africa—						
Bromine	609	2,149	161	1,041	1,064	1,295
Canada—						
Bromine	26,302	7,406	10,956	27,023	31,686	26,462
Bromide of soda	45,560	38,280	66,814	50,945	36,587	55,579
Australia (b)—						
Bromine (c)	(£2,601)	(£60)	(£62)	(£263)	(£194)	(£186)
Bromate and bromide of potash	465,376	556,817	126,014	140,414	101,299	133,930
do. do. other	45,668	105,952	76,272	97,497	125,886	71,565
New Zealand—						
Bromine (£ N.Z.)	(£106)	(£61)	(£73)	(£201)	(a)	(a)
Bromide of soda	13,400	12,900	4,600	12,900	(a)	(a)
Bromate and bromide of potash	22,600	19,000	4,500	8,700	(a)	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bromine	41,888	19,842	66,139	9,259	11,464	14,771
Bromides, etc.	282,240	242,511	416,674	344,362	438,058	541,235
Denmark—						
Bromide of potash	9,480	22,267	19,621	22,928	26,015	10,803
Bromide of soda	23,149	47,179	27,337	50,045	45,636	26,015
Other bromides	12,125	12,566	6,173	4,409	12,566	54,013
France—						
Bromides	2,646	441	—	—	2,425	220
Germany (Federal)—						
Bromine	(a)	—	—	103,613	24,251	5,732
Bromides	—	6,834	34,613	—	48,061	19,842
Italy—						
Bromine	325,182	219,360	307,104	154,191	163,980	220,462
Bromides	166,890	4,189	13,007	10,128	35,450	22,267
Netherlands—						
Bromine	55,116	112,436	127,868	141,096	149,914	227,076
Bromides, etc.	284,396	110,231	187,393	286,601	359,353	233,690
Norway—						
Bromine	1,210	1,362	489	688	933	1,354
Portugal—						
Bromine	974	1,045	1,878	1,283	1,069	604
Bromide of soda	919	1,005	1,100	864	2,474	1,413
Bromide of potash	2,857	2,493	2,806	5,730	6,105	3,532
Bromide of ammonium	476	628	337	24	756	384
Spain—						
Bromides	6,504	18,958	4,314	2,138	10,637	8,902
Sweden—						
Bromine	30,865	10,134	2,205	2,205	24,251	4,409
Algeria—						
Bromine	220	—	220	220	—	—
Bromides	1,764	1,764	1,102	1,323	661	17,417
Belgian Congo—						
Bromides	306,883	(a)	22,710	264	1,823	110,948
Cuba (total imports)—						
Bromine	53	3,007	79	745	(a)	(a)
Mexico (total imports)—						
Bromides of potash and soda	74,816	26,464	26,037	63,310	21,954	29,260

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Revised.

IMPORTS OF BROMINE, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
United States—						
Bromine and compounds	2,624	2,387	575	487	692	2,918
Argentina—						
Bromine and compounds	(a)	3,560	31,559	188,678	147,692	86,062
Brazil (total imports)—						
Bromine	(a)	(a)	44	2,749	3,388	1,468
Bromides	(a)	(a)	21,491	63,689	22,701	207,810
Chile—						
Bromine	408	403	930	488	939	(a)
Bromides	641	1,942	970	(a)	(a)	(a)
Colombia (total imports)						
Bromine	950	452	220	267	—	1,243
Bromides, etc.	17,754	5,124	13,748	15,212	14,797	(a)
Peru—						
Bromine	600	485	287	505	225	265
Bromides	7,181	8,631	10,593	5,831	22,831	17,586
Iran (b)—						
Bromides	23,918	8,699	3,697	48,552	(a)	(a)
Japan—						
Bromine compounds ..	8	1,766	1,000	4	—	6,160
Philippine Republic—						
Bromide of potash ..	2,061	75	1,944	1,248	10,752	18,488
Turkey—						
Bromine	567	284	525	201	545	176
Bromides	19,293	18,902	15,170	19,648	28,885	131,237

(a) Information not available.

(b) Years ended March 20 following that stated.

CADMIUM
PRODUCTION OF CADMIUM
(lb. avdp.)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom ..	326,278	346,752	380,419	315,302	337,546	251,910
Northern Rhodesia ..	—	—	—	—	—	116,000
South West Africa (b) ..	1,434,000	1,112,000	1,194,000	1,620,000	1,402,000	2,328,000
Canada (e) ..	1,326,920	948,587	1,118,285	1,086,780	1,919,081	2,258,184
Australia ..	517,400	641,500	665,840	645,000	674,000	618,000
FOREIGN COUNTRIES						
Belgium	805,000	1,213,000	1,323,000	1,279,000	1,433,000	1,323,000
France	185,400	194,708	282,000	313,000	397,000	240,000
Germany	154,300	144,100	227,000	619,000	710,000	646,000
Italy	444,919	290,450	398,003	459,218	461,626	416,098
Norway	221,035	162,869	197,360	178,432	256,000	278,000
Spain	8,600	12,073	16,204	20,999	21,800	24,000
Belgian Congo ..	52,900	45,208	70,500	138,900	366,000	611,000
Mexico (c) ..	1,970,476	1,618,391	2,113,342	1,128,800	2,855,123	1,892,000
United States (d)—						
Metal	8,114,238	8,387,824	9,682,197	9,415,710	9,753,699	g10,604,356
Compounds (metal content)	197,099	179,335	85,000	136,000	189,644	(a)
Peru (f)	—	37,635	22,862	66,321	137,963	124,000
Japan	259,455	366,624	458,824	610,665	757,308	885,720
TOTAL*	12,800,000	13,400,000	15,400,000	15,200,000	17,500,000	18,400,000

*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:

1951	167,957 lb.
1952	80,000 "
1953	70,000 "
1954	138,000 "
1955	285,806 "
1956	(a)

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

(f) Including cadmium content of concentrates.

(g) Including secondary.

EXPORTS OF CADMIUM, ETC.
(*Domestic Produce*)
(lb. avdp.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Compounds	57,200	76,000	62,300	94,100	102,500	(a)
Northern Rhodesia—						
Metal	—	—	—	—	—	38,000
South West Africa (b) ..	752,000	1,024,000	1,008,000	684,000	1,404,000	2,328,000
Canada	824,850	620,344	969,563	776,391	1,562,337	1,922,685
Australia	298,000	307,000	634,000	385,000	374,000	316,000
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	324,079	121,254	167,551	318,788	316,143	371,699
France—						
Cadmium	1,102	441	882	661	2,645	28,881
Cadmium salts	22,716	13,007	661	1,323	2,866	1,763
Germany (Federal)—						
Cadmium	(a)	55,997	27,558	91,933	201,062	153,442
Cadmium oxide	(a)	2,646	16,314	24,030	43,431	16,094
Italy—						
Cadmium (incl. scrap) ..	31,967	3,086	89,660	62,891	906,435	258,823
Cadmium salts	33,069	1,102	13,300	8,631	9,253	1,984
Belgian Congo	54,793	43,100	70,405	68,099	309,297	376,157
Mexico (c)	1,970,476	1,618,391	2,113,342	1,130,332	2,855,123	1,634,818
United States—						
Metal	606,233	} 300,918	65,866	998,959	1,393,915	1,284,248
Alloys	5,639					
Dross, flue dust, etc. ..	200,579					
Peru	—	—	10,924	31,226	33,916	28,407

(a) Information not available.

(b) Cadmium content of concentrates exported for treatment.

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

IMPORTS OF CADMIUM, ETC.

(Less Re-exports)

(lb. avdp.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Metal	1,485,056	1,381,838	767,177	1,601,930	1,909,363	1,693,167
Australia (b)—						
Cadmium salts	185	2,601	466	4,019	2,710	4,061
New Zealand—						
Cadmium and salts	200	200	300	—	(a)	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	33,069	22,046	28,660	48,722	63,273	92,153
France—						
Cadmium	620,160	199,959	225,533	367,070	688,504	796,089
Cadmium salts	21,825	7,937	5,732	44,533	53,572	45,856
Germany (Federal)—						
Cadmium	(a)	186,070	402,785	632,947	788,373	645,293
Cadmium oxide	(c) 1,102	13,228	17,417	32,628	24,691	14,991
Italy—						
Cadmium	—	35,053	21,325	9,986	163	22,487
Cadmium sulphide	16,976	11,244	13,816	4,764	8,609	4,189
Sweden	213,848	248,525	174,165	295,419	191,802	123,459
Yugoslavia	1,323	4,275	10,194	4,623	11,826	10,461
Algeria	661	220	661	220	882	882
United States—						
Cadmium	90,065	1,478,770	1,555,138	402,299	927,495	3,170,882
Flue dust (cadmium content)	1,606,775	1,991,549	1,863,538	1,482,565	1,832,827	1,451,899
Argentina—						
Cadmium salts	(a)	4,081	11,184	21,592	33,951	639
Brazil (total imports)—						
Cadmium	(a)	(a)	1,091	17,767	17,873	28,445
Cadmium salts	(a)	(a)	4,050	15,053	1,834	7,914
Chile—						
Cadmium	99	227	214	262	791	(a)
Cadmium salts	140	—	37	326	47	(a)
Turkey—						
Cadmium	26	51	15	35	68	(a)
Cadmium salts	157	203	518	917	4,063	(a)

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) October to December only.

CHINA CLAY
PRODUCTION OF CHINA CLAY
(Long tons)

Producing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain	908,840	789,908	809,288	972,473	1,144,234	1,191,329
Kenya	1,908	877	—	—	919	1,499
Nigeria	—	—	—	—	—	213
Southern Rhodesia	9,569	3,573	—	—	—	—
Tanganyika	156	256	1,204	296	94	18
Union of South Africa	10,526	7,361	7,785	12,890	10,067	10,376
Hong Kong	5,589	4,330	5,934	6,053	5,432	5,463
India	69,096	85,963	94,422	146,144	117,000	173,000
Malaya	1,719	1,128	1,241	1,352	1,378	1,155
Australia	(e) 40,233	36,057	39,722	41,253	45,054	41,089
FOREIGN COUNTRIES						
Austria (crude)	208,204	198,652	193,743	237,365	256,205	268,062
Belgium	23,061	26,270	37,472	27,868	(a)	(a)
Denmark—						
Crude	13,022	14,177	10,929	6,266	6,217	(a)
Washed and pressed	7,103	7,423	6,225	6,222	6,389	(a)
Washed waste	5,671	7,184	5,665	4,723	7,633	(a)
France	104,741	(d) 153,157	(d) 165,282	109,000	110,000	115,000
Germany (Federal)	292,825	278,564	267,357	290,929	313,301	313,644
Greece	8,000	8,624	12,450	10,383	(a)	(a)
Italy—						
Crude	55,835	74,747	62,365	64,582	51,293	(a)
Kaolinic earth	23,961	5,616	19,090	26,792	24,115	(a)
Portugal—						
Crude	11,025	20,717	24,137	23,359	18,867	23,860
Washed	26,168	10,064	12,653	15,188	22,771	24,301
Kaolinic sand (c)	243	76	279	70	(a)	(a)
Spain (crude)	49,691	60,195	64,855	50,976	65,491	54,222
Sweden (washed) (b)	1,339	2,401	1,553	1,707	1,480	1,603
Algeria	1,450	1,999	381	374	566	—
Egypt	236	—	286	845	2,671	(a)
Madagascar	75	70	50	46	87	25
Morocco (Northern)	44	73	143	2	37	—
Mozambique	—	—	—	108	92	262
United States (f)	1,666,338	1,633,127	1,682,120	1,672,286	1,934,300	2,008,857
Argentina	22,000	25,000	24,000	26,000	27,000	28,000
Chile	8,798	4,320	4,626	5,486	3,570	2,854
Peru (b)	465	156	141	184	93	(a)
Japan	(a)	12,703	14,907	12,471	12,161	14,142
Korea (South)	7,577	1,738	14,391	9,308	13,920	9,242

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) Kaolin content.

(d) Including Kaolinic earth.

(e) Excluding South Australia.

(f) Sold or used by producers.

EXPORTS OF CHINA CLAY

(Domestic Produce)

(Long tons)

Exporting Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom ..	471,666	458,409	475,956	572,584	683,507	758,651
Tanganyika	46	161	1,230	256	45	10
Union of South Africa ..	485	12	56	10	—	—
Hong Kong	(a)	2,024	2,491	3,632	4,072	4,107
Malaya	258	250	130	118	259	151
FOREIGN COUNTRIES						
Austria	14,074	15,407	14,904	18,681	26,078	30,146
Belgium-Luxemburg ..						
E.U.	168	2,283	38	525	431	207
Denmark	34	15	499	576	807	963
France—						
China clay	6,753	3,575	3,241	2,508	2,986	7,848
Kaolinic earth	1,666	1,310	1,242	1,141	1,730	(a)
Germany (Federal) ..	15,382	15,345	16,482	18,408	24,011	22,336
Italy	49	79	21	73	110	172
Portugal	9,938	5,125	5,821	7,847	15,565	18,612
Spain	205	2,666	5,788	5,142	14,832	3,801
Sweden	907	359	39	15	17	6
Algeria (b)	633	507	461	706	569	69
Morocco (Northern) ..	115	20	17	—	37	(a)
United States	32,531	35,985	38,920	43,928	44,491	52,802
Chile	—	338	—	—	394	(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Union of South Africa (b)	713	625	1,259	1,679	1,562	2,502
Canada	96,097	89,295	100,769	83,523	106,404	107,488
Hong Kong (total imports)	(a)	(a)	86	222	106	210
India	6,470	7,394	11,675	11,960	15,042	8,664
Malaya (total imports)	3	19	2	25	39	41
Australia	644	2,709	129	433	5,553	9,168
New Zealand	580	774	741	1,003	1,179	912
FOREIGN COUNTRIES						
Austria	1,725	1,431	1,079	1,244	2,624	2,674
Belgium-Luxemburg E.U.	48,376	31,038	34,927	41,933	45,467	47,262
Denmark—	20,876	21,780	19,041	26,187	26,871	2,369
Finland	29,720	26,995	22,186	33,540	44,897	57,218
France—						
China clay	55,002	33,520	36,069	49,006	62,858	81,679
Kaolinic earth	1,288	1,211	1,255	921	744	(a)
Germany (Federal)	70,964	90,623	89,087	112,879	143,363	156,558
Italy	41,010	51,717	51,217	62,401	72,198	90,824
Netherlands (c)	53,925	49,030	57,931	56,025	67,372	80,133
Norway	25,747	23,917	24,449	25,555	34,528	33,647
Portugal	28	59	62	110	121	32
Spain	1,082	105	75	69	396	205
Sweden	50,208	45,589	53,023	58,970	62,442	76,821
Yugoslavia	305	119	186	1,272	4,517	4,180
Algeria	3,149	1,068	2,518	2,594	2,982	3,090
Morocco (Southern)	(a)	(e) 39	(e) 328	(e) 1,935	(e) 1,926	1,854
United States	98,638	92,801	106,049	119,959	136,068	129,413
Argentina	(a)	400	95	1,507	6,734	1,221
Brazil (total imports)	(a)	(a)	46	58	85	140
Chile	105	71	70	51	37	(a)
Colombia (total imports)	260	232	85	400	107	160
Ecuador	61	80	88	137	219	29
Peru	70	174	102	253	348	360
Uruguay	1,271	615	1,150	(a)	(a)	(a)
Indonesia	1,465	1,060	547	778	1,083	1,372
Iran (d)	2	16	3	7	(a)	(a)
Japan	2,967	4,368	7,197	9,967	10,896	12,173
Philippine Republic	14	212	149	537	344	313
Turkey	88	101	126	26	51	375

(a) Information not available.

(b) Including Cornish or china stone.

(c) Including pipe clay.

(d) Years ended March 20 following that stated.

(e) Including kaolinic earth.

CHROME ORE AND CHROMIUM

PRODUCTION OF CHROME ORE

(Long tons)

Producing Country	Estimated Cr ₂ O ₃ content					
	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Sierra Leone ..	16,165	23,493	24,354	18,760	20,742	19,553
Southern Rhodesia ..	295,527	317,571	413,420	395,097	401,076	400,868
Union of South Africa ..	536,399	570,866	713,006	631,196	533,368	616,835
Cyprus (b) ..	12,349	11,594	6,829	9,150	7,912	7,175
India ..	16,702	35,187	64,770	45,507	89,349	52,686
Pakistan ..	17,498	17,230	23,439	21,863	28,000	17,800
Australia ..	1,380	1,398	2,741	4,943	—	6,096
TOTAL ..	895,100	977,300	1,248,600	1,126,100	1,080,000	1,121,000
FOREIGN COUNTRIES						
Albania ..	(a)	(a)	54,000	(a)	144,000	(a)
Greece ..	24,933	31,654	36,178	26,346	24,912	77,609
Portugal ..	32	106	5	21	—	—
U.S.S.R. (estimated)	550,000	600,000	600,000	600,000	600,000	600,000
Yugoslavia ..	98,065	105,529	124,956	122,514	124,214	116,886
Egypt ..	—	—	78	522	827	(a)
Cuba ..	77,816	60,832	68,933	71,438	75,988	(a)
Guatemala ..	1,120	60	394	130	286	896
United States ..	6,300	19,021	52,515	145,862	136,833	144,608
Brazil ..	2,378	2,607	3,520	1,882	4,059	4,050
Iran (d) ..	—	19,279	18,170	13,025	9,991	23,147
Japan ..	40,302	46,406	36,981	32,266	26,133	14,400
Philippine Republic ..	329,287	534,930	548,292	444,059	585,610	697,856
Turkey ..	588,343	763,065	637,581	531,520	634,155	819,916
New Caledonia ..	87,390	105,960	119,672	83,611	45,348	48,153
TOTAL ..	1,850,000	2,320,000	2,280,000	2,110,000	2,410,000	2,790,000
World's TOTAL ..	2,750,000	3,300,000	3,530,000	3,240,000	3,490,000	3,910,000

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Chromium metal	86	331	275	237	238	224
Chromates of potash	200	454	361	490	931	(a)
Chromates of soda	1,964	1,467	1,422	2,413	2,934	3,203
Sierra Leone—						
Ore	11,930	23,970	26,096	15,120	17,750	18,774
Southern Rhodesia—						
Ore	300,593	263,496	422,827	284,355	382,845	455,969
Ferro-chrome	(a)	(a)	247	2,294	6,616	7,650
Union of South Africa—						
Ore	494,195	400,904	505,790	458,737	463,723	551,812
Canada—						
Ferro-chrome	39,046	39,545	30,200	13,664	11,030	8,837
Cyprus—						
Ore and concentrates	12,453	13,274	7,277	9,867	8,570	5,826
India—						
Ore	8,113	(b) 8,936	(b) 15,357	(b) 23,353	48,743	41,866
Pakistan—						
Ore	19,351	16,400	19,853	13,200	22,105	34,800
FOREIGN COUNTRIES						
Austria—						
Ore	3,650	1,909	1,871	1,917	2,271	2,692
Belgium-Luxemburg						
E.U.—						
Chromates of potash and soda	712	132	97	1	47	11
France—						
Ferro-chrome	4,338	4,599	6,232	6,051	11,615	10,130
Chromates, chrome alum, etc.	930	797	276	1,308	939	399
Germany (Federal)—						
Ore	(a)	4,224	54	457	410	4,183
Chrome alum	(a)	481	439	605	751	1,228
Greece—						
Ore	23,414	29,677	27,506	22,168	33,142	39,522
Italy—						
Ferro-chrome	528	200	67	5	220	1,707
Chromates and bichromates	1,577	345	448	227	138	107
Netherlands—						
Chromates	1	—	6	52	145	177
Norway—						
Ferro-chrome	21,624	19,414	14,293	10,562	25,542	22,594
Sweden—						
Ore	15	—	—	—	15	11
Ferro-chrome	5,150	6,488	5,694	6,325	10,935	10,516
Chromates and chrome alum	1,736	664	882	1,007	725	280
Switzerland—						
Ferro-chrome, including ferro-silicon	3,724	3,235	1,369	2,273	960	1,327

(a) Information not available.

(b) Sea-borne trade only.

EXPORTS OF CHROME ORE, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
U.S.S.R.—						
Ore (b)	20,957	17,552	24,156	20,260	(c) 78,042	64,859
Yugoslavia—						
Ore	52,113	50,388	54,039	8,053	44,773	54,772
Ferro-chrome	3,206	1,689	1,853	1,855	3,490	2,857
Egypt—						
Ore	(a)	(a)	556	(a)	(a)	(a)
Cuba—						
Ore	89,568	83,963	75,075	8,804	34,184	30,932
United States—						
Ore	1,813	1,367	1,041	771	1,197	1,542
Ferro-chrome	214	1,138	542	1,879	4,191	4,945
Chromates of potash	1,611	706	172	565	356	273
Chromates of soda	7,862	2,930	2,142	4,448	5,371	5,664
Japan—						
Ferro-chrome	251	14	49	7	2,576	3,570
Bichromates	440	7	810	635	3,434	440
Philippine Republic—						
Ore and concentrates	336,656	537,834	572,581	456,328	407,129	714,463
Turkey—						
Ore	496,639	616,514	667,742	350,929	550,746	631,869
New Caledonia—						
Ore	91,670	101,037	110,379	58,559	87,701	48,413

(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 and Sweden.

(c) Revised.

IMPORTS OF CHROME ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ore	131,802	167,561	160,375	134,686	151,979	143,373
Ferro-chrome	22,279	33,729	16,821	9,134	26,187	26,211
Ferro-silicon-chrome	(a)	588	171	662	1,695	2,313
Chromates of potash	14	2	25	—	—	—
Chromates of soda	88	110	1,281	1,820	3,670	2,135
Canada—						
Ore	131,249	132,449	105,439	33,497	46,298	58,005
Bichromate of potash	211	170	116	136	114	152
Bichromate of soda	3,138	1,655	2,234	1,940	3,019	2,685
India (total imports)—						
Ferro-chrome	(a)	(a)	50	87	193	77
Bichromate of potash	2	—	—	1	—	7
Bichromate of soda	—	—	54	455	59	—
Pakistan—						
Bichromate of potash	(b) 23	(b) 7	(b) 27	(b) 46	(b) 10	22
Bichromate of soda	(b) 255	(b) 257	(b) (a)	(b) (a)	(b) (a)	(a)
Australia (c)—						
Ore	4,474	5,121	6,264	4,176	4,962	7,312
Ferro-chrome	770	556	2,157	1,012	994	1,701
Bichromate of potash	26	8	2	8	6	7
Chromates of soda	124	66	19	200	98	88
New Zealand—						
Bichromate of potash	40	35	13	14	(a)	(a)
Bichromate of soda	223	142	53	86	129	82
FOREIGN COUNTRIES						
Austria—						
Ore	48,183	49,197	59,695	57,165	57,559	63,054
Ferro-chrome	3,249	3,933	3,391	5,467	6,711	8,384
Chromates	393	569	673	732	969	794
Belgium-Luxemburg						
E.U.—						
Ore	3,421	2,334	341	415	712	862
Ferro-chrome and silico- chrome	(a)	(a)	(a)	1,107	2,224	2,813
Chromates of potash and soda	813	649	1,229	1,329	1,674	1,584
Chrome alum	204	194	134	181	170	158
Denmark—						
Ferro-chrome	235	329	151	158	211	356
Chromates of potash and soda	437	209	188	486	804	729
Finland—						
Ferro-chrome	607	628	715	403	565	612
Chromates of potash and soda	608	551	353	181	671	613
France—						
Ore	67,833	82,871	63,362	57,755	104,529	145,866
Ferro-chrome	1	—	4	13	20	5
Chromates	2,222	1,022	1,676	3,522	4,050	3,620
Chrome alum	275	59	74	100	223	226
Germany (Federal)—						
Ore	104,944	103,426	96,870	204,578	234,320	218,427
Italy—						
Ore	17,028	18,465	13,618	25,975	25,151	34,863
Ferro-chrome	907	1,407	2,385	3,240	3,401	6,456
Chromates	50	564	1,006	614	897	985
Chrome alum	138	74	255	364	376	373

(a) Information not available.

(b) Years ended March 31 following that stated.

(c) Years ended June 30 of that stated.

IMPORTS OF CHROME ORE, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Ore	189	141	231	303	260	457
Chromates	2,165	1,162	1,302	1,456	2,019	1,914
Chrome alum	474	159	301	365	418	472
Norway—						
Ore	49,130	49,716	47,317	30,356	77,034	85,461
Portugal—						
Chromates of potash and soda	1	46	33	79	55	19
Chrome alum	—	7	—	—	—	4
Spain—						
Chromates	2	—	—	49	—	1
Sweden—						
Ore	40,843	47,441	56,863	40,168	78,826	64,508
Ferro-chrome	2,462	1,612	1,310	1,350	1,881	8,082
Chrome alum	—	1	14	—	—	10
Chromates	843	1,428	185	533	732	1,001
Switzerland—						
Ferro-chrome and ferro-silicon	8,037	3,070	1,375	3,411	4,036	4,580
Algeria—						
Chromates	34	27	13	48	59	55
Egypt—						
Chromates of potash and soda	511	416	365	323	509	(a)
Morocco (Southern)—						
Chromates	(a)	80	236	221	318	(a)
Mexico (total imports)—						
Chromates	1,442	780	869	1,202	1,620	1,506
United States—						
Ore	1,275,911	1,525,865	1,988,063	1,312,561	1,632,107	1,940,479
(Cr ₂ O ₃ content)	545,300	639,719	841,511	543,513	681,608	820,229
Ferro-chrome (Cr content)	14,671	10,808	18,396	8,539	17,319	23,186
Metal and alloys	83	135	158	127	239	365
Argentina—						
Bichromate of potash	(a)	351	46	1,029	1,096	294
Bichromate of soda	(a)	1,095	551	1,489	1,868	4,451
Chromate of lead	(a)	1	—	—	10	—
Chrome alum	(a)	119	20	50	—	—
Brazil (total imports)—						
Chromates of potash and soda	318	1,362	434	3,691	1,009	2,323
Chile—						
Ferro-chrome	—	124	141	70	6	(a)
Bichromate of soda	466	493	328	320	485	(a)
Colombia (total imports)						
Chrome alum	229	52	37	2	4	45
Chromates	296	117	112	92	173	141
Peru—						
Chromates	151	127	90	114	113	114
Uruguay—						
Chromates of potash and soda	173	83	144	(a)	(a)	(a)
Japan—						
Ore	27,902	13,282	19,789	58,543	56,991	133,467
Ferro-chrome	21	—	10	488	143	91
Turkey—						
Chromates	59	90	110	95	60	81
Chrome alum	53	58	77	19	50	5

(a) Information not available.

COAL, COKE AND BY-PRODUCTS

PRODUCTION OF COAL (Including Brown Coal and Lignite)

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain—						
Mined—						
Anthracite	3,731,500	3,707,800	3,672,200	3,707,400	3,520,600	3,438,100
Bituminous	208,151,100	210,615,900	208,831,200	210,286,100	206,665,100	206,487,300
Opencast (b)	11,009,800	12,167,100	11,704,100	10,096,200	11,365,700	12,080,600
Northern Ireland—						
Bituminous	1,296	890	2,180	2,390	1,243	1,550
Nigeria	550,281	581,048	700,264	635,841	748,499	787,209
Southern Rhodesia	2,263,794	2,518,947	2,577,172	2,704,758	3,262,322	3,497,763
Tanganyika	—	—	43	522	785	1,488
Union of South Africa	26,211,876	27,621,036	28,009,840	28,851,726	31,639,175	33,071,166
Canada—						
Bituminous	11,931,686	11,320,895	10,249,460	9,232,692	9,093,622	9,204,988
Sub-bituminous	2,678,587	2,514,406	2,142,834	2,193,056	2,089,471	2,021,770
Lignite	1,985,105	1,860,237	1,804,736	1,889,946	2,048,050	2,090,751
India	34,432,396	36,303,589	35,980,408	36,880,810	38,213,000	39,420,000
Pakistan	504,703	600,026	583,727	553,743	543,000	492,000
Malaya	382,539	314,922	286,364	224,540	206,118	182,479
Australia—						
Bituminous (c)	16,112,041	17,796,168	16,846,196	17,921,841	17,692,362	17,779,069
Sub-bituminous	1,496,387	1,608,930	1,564,649	1,841,198	1,582,388	1,511,573
Lignite	7,836,056	8,103,764	8,257,299	9,331,255	10,112,206	10,559,801
New Zealand—						
Anthracite	672	808	1,944	2,003	1,505	1,835
Bituminous	677,258	860,898	772,242	811,952	782,210	799,226
Sub-bituminous	1,470,465	1,658,353	1,543,492	1,590,914	1,590,194	1,621,206
Lignite	287,110	229,749	201,037	189,387	182,744	205,449
TOTAL	331,714,000	340,385,000	335,732,000	338,946,000	341,340,000	345,255,000
Irish Republic—						
Anthracite	54,799	51,536	71,724	} 151,126	134,500	} 212,500
do. dust	49,679	56,836	41,440			
Semi-bituminous	53,329	41,989	37,132	} 51,044	59,200	
Other	18,449	12,717	13,704			

(a) Information not available.

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

1951—Anthracite	617,600	Bituminous	10,392,000
1952—	475,700	"	11,691,400
1953—	527,800	"	11,176,300
1954—	769,200	"	9,327,000
1955—	849,600	"	10,516,100
1956—	723,500	"	11,357,100

(c) Including semi-anthracite.

PRODUCTION OF COAL (cont.)

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
Albania—						
Bituminous (b) ..	40,000	40,000	40,000	57,000	(a)	(a)
Lignite (b) ..	30,000	30,000	30,000	30,000	(a)	(a)
Austria—						
Bituminous	192,581	187,323	159,014	173,893	168,331	163,244
Brown coal	4,909,890	5,097,162	5,486,021	6,185,570	6,514,335	6,623,533
Belgium	29,182,900	29,904,481	29,585,530	28,786,760	29,503,000	29,088,333
Bulgaria	6,021,387	7,293,400	8,284,000	8,864,000	10,100,000	10,300,000
Czechoslovakia—						
Bituminous	18,010,000	19,800,000	20,020,000	21,264,000	21,785,000	23,041,000
Brown coal and lignite	30,500,000	32,900,000	33,900,000	37,262,000	40,107,000	45,568,000
Denmark—						
Lignite	1,557,000	1,576,000	785,000	668,000	788,000	(a)
France—						
Anthracite and bituminous	52,138,156	54,492,494	51,764,865	53,554,640	54,461,000	54,257,000
Lignite	1,971,168	1,958,369	1,917,326	1,880,000	2,021,000	2,220,000
Germany—						
Federal Republic—						
Bituminous	118,776,000	123,089,000	124,163,000	127,713,000	130,452,000	134,051,000
Brown coal	81,808,000	82,049,000	83,219,000	86,426,000	88,910,000	93,729,000
East Germany—						
Bituminous	3,363,000	3,469,000	3,098,000	(b)3,000,000	(b)3,000,000	(b)3,000,000
Brown coal	150,100,000	156,600,000	170,100,000	179,100,000	198,200,000	202,600,000
Greece—						
Lignite	174,000	252,000	437,464	688,959	770,032	785,000
Hungary—						
Bituminous	1,593,000	1,691,000	1,961,000	2,397,000	2,649,000	2,334,000
Brown coal and lignite	13,435,000	16,580,000	18,716,000	18,799,000	19,314,000	17,932,000
Italy—						
Anthracite	80,762	80,170	67,083	62,587	46,890	52,757
Bituminous	1,067,803	991,687	1,045,896	994,051	1,070,272	1,006,932
Brown coal	864,764	839,547	745,550	633,564	464,065	452,579
Netherlands—						
Bituminous	12,227,944	12,334,371	12,102,437	11,880,822	11,707,000	11,468,730
Brown coal	245,122	231,208	249,349	247,531	251,000	265,478
Poland—						
Bituminous	80,697,000	83,103,000	87,197,000	90,200,000	92,983,600	93,646,200
Brown coal	5,800,000	6,100,000	5,500,000	5,800,000	5,949,300	6,085,100
Portugal—						
Anthracite	410,225	435,081	470,766	425,233	398,085	407,014
Brown coal	83,799	75,627	70,275	64,144	86,444	143,720
Roumania—						
Anthracite	} 300,000	400,000	400,000	400,000	400,000	400,000
Bituminous						
Brown coal						
Lignite	} 4,200,000	4,700,000	5,000,000	5,100,000	5,700,000	6,000,000
Saar	16,027,000	15,979,000	16,160,000	16,552,000	17,056,000	16,818,000
Spain—						
Anthracite	1,575,618	1,807,414	1,919,484	1,932,921	1,928,271	2,244,000
Bituminous	9,795,249	10,262,853	10,279,933	10,469,728	10,300,283	10,405,000
Lignite	1,473,434	1,574,742	1,763,178	1,726,695	1,806,984	1,901,000
Spitzbergen—						
Norwegian mines ..	462,571	446,242	420,748	335,143	317,059	(a)
Russian mines (c) ..	244,862	248,895	258,743	277,092	305,215	(a)

(a) Information not available.

(b) Estimated.

(c) Exports.

PRODUCTION OF COAL (cont.)

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Sweden	274,364	341,515	280,152	263,059	277,496	289,570
U.S.S.R.—						
Bituminous, etc.	199,200,000	211,600,000	220,800,000	239,900,000	272,300,000	298,900,000
Lignite	78,200,000	84,500,000	94,600,000	101,800,000	112,800,000	123,500,000
Yugoslavia—						
Bituminous	976,000	995,000	910,000	972,000	1,119,000	1,213,000
Brown coal and lignite	10,875,000	10,912,000	10,158,000	12,475,000	13,848,000	15,618,000
Algeria—						
Bituminous	242,700	265,122	289,906	298,000	297,600	292,500
Belgian Congo	214,459	248,891	310,220	372,955	472,345	412,874
Madagascar	5,380	3,504	4,493	973	50	364
Morocco (Southern)—						
Anthracite	387,730	452,700	556,100	478,300	459,600	474,400
Mozambique	87,554	113,143	159,120	139,322	169,821	214,851
Tunis—						
Lignite	8,040	—	—	—	—	—
Greenland	7,000	8,000	7,000	8,000	7,000	8,000
Mexico	1,132,351	1,345,279	1,409,696	1,280,320	1,321,762	1,385,862
United States—						
Anthracite	38,098,212	36,234,427	27,633,171	25,967,390	23,396,923	25,516,000
Bituminous	473,547,882	414,128,109	405,749,479	345,949,548	412,024,579	b443,802,000
Lignite	2,938,486	2,694,018	2,545,564	3,788,220	2,826,678	b 2,627,000
Argentina (lignite)	38,900	111,000	80,794	92,000	133,832	146,670
Brazil	1,918,759	1,930,321	1,992,948	2,023,004	2,232,480	2,197,978
Chile—						
Bituminous	2,176,371	2,411,378	2,299,077	2,231,520	2,268,217	2,241,590
Colombia	(a)	(b)1,000,000	1,206,000	1,500,000	1,820,000	2,000,000
Peru—						
Anthracite	(c) 116,102	(c) 182,373	(c) 130,537	(c) 162,132	26,540	(a)
Bituminous	(c) 120,631	143,387	139,102	126,252	118,620	(a)
Venezuela	27,100	24,796	28,979	31,891	29,995	30,292
Afghanistan	13,306	12,200	15,330	15,170	(a)	(a)
China (b)	51,000,000	62,500,000	68,000,000	82,000,000	91,000,000	103,200,000
Formosa	1,631,000	2,250,000	2,354,000	2,084,000	2,317,000	2,489,103
Indo-China—						
Anthracite	632,100	824,568	819,057	971,600	1,080,000	(a)
Indonesia	854,012	943,556	883,159	879,640	801,214	815,158
Iran (b)	250,000	250,000	250,000	250,000	250,000	250,000
Japan—						
Anthracite	933,000	992,000	1,075,000	1,228,000	1,335,000	1,394,000
Bituminous	41,703,000	41,679,000	44,714,000	40,817,000	40,415,000	44,425,000
Lignite	1,382,000	1,515,128	1,462,322	1,421,619	1,346,487	1,496,300
Korea (South)—						
Anthracite	232,700	566,808	852,749	876,892	1,287,660	1,773,025
Lignite	3,100	2,219	263	—	—	—
Philippine Republic	148,311	137,238	152,458	117,738	128,126	149,312
Turkey—						
Bituminous	4,654,892	4,759,801	5,067,653	5,623,872	5,420,028	5,795,310
Lignite	1,234,997	1,355,120	1,299,791	2,062,285	2,377,880	2,962,440
TOTAL	1,570,000,000	1,560,000,000	1,590,000,000	1,600,000,000	1,760,000,000	1,860,000,000
WORLD'S TOTAL	1,902,000,000	1,900,000,000	1,926,000,000	1,941,000,000	2,102,000,000	2,210,000,000

(a) Information not available.

(b) Estimated.

(c) Revised.

PRODUCTION OF COKE

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain—						
Gas-works—coke (b) ..	12,354,300	12,532,100	12,301,200	12,331,400	12,741,000	12,666,000
breeze (b) ..	2,689,400	2,770,500	2,747,200	2,832,400	2,855,000	2,782,000
Coke-ovens—coke ..	16,096,200	17,091,800	17,481,200	17,852,500	18,103,000	19,536,000
breeze ..	1,000,700	1,039,900	1,085,300	1,162,100	1,191,000	1,355,000
Northern Ireland—						
Gas-works	173,700	170,400	169,820	172,300	163,376	159,300
Southern Rhodesia ..						
Union of South Africa ..	92,786	108,605	133,462	142,289	186,635	(a)
Canada—						
Gas-works—coke ..	212,723	153,366	134,154	141,319	} 64,541	54,029
breeze ..	1,691	1,063	28,643	30,231		
Coke-ovens—coke ..	3,072,097	3,236,852	3,359,133	2,699,603	} 3,532,716	3,803,664
breeze ..	223,869	230,732	275,242	186,185		
India—						
Gas-works	74,606	89,011	98,284	90,546	91,718	70,665
Hard	2,201,641	2,177,221	2,011,560	2,323,434	2,601,465	2,495,297
Soft	1,250,165	1,289,411	1,472,517	1,538,607	1,650,814	1,652,015
Australia (d)—						
Gas-works—coke ..	1,041,715	1,203,602	1,071,106	839,793	1,099,859	1,000,462
breeze ..	118,231	123,231	62,965	366,041	208,218	170,321
Coke-ovens—coke ..	1,586,461	1,636,982	1,858,428	2,010,404	2,046,790	2,058,426
breeze ..	108,658	119,288	90,135	139,758	128,684	170,513
New Zealand (e)—						
Gas-works	69,158	88,533	74,672	68,983	66,561	(a)
Irish Republic—						
Gas-works (c)	89,902	89,065	88,188	98,650	99,131	(a)
FOREIGN COUNTRIES						
Austria—						
Gas-works	449,830	447,170	402,467	449,786	427,616	443,977
Coke-ovens	1,068,540	1,210,285	1,198,236	1,330,762	1,450,471	1,688,218
Belgium—						
Gas-works	22,569	20,763	19,452	17,700	9,000	3,800
Coke-ovens	6,000,110	6,306,015	5,851,516	6,049,740	6,497,000	7,155,623
Czechoslovakia						
Denmark (gas-works) ..	(a)	(a)	6,400,000	6,682,000	7,000,000	7,211,000
Finland (gas-works) ..	401,600	410,400	433,000	437,000	572,200	(a)
France—	74,806	113,264	117,110	103,963	113,687	95,553
Gas-works (sales) ..	2,800,000	2,637,000	2,412,000	2,110,000	1,677,000	1,571,000
Coke-ovens	7,975,326	9,097,191	8,512,710	9,115,644	10,556,000	} 12,366,000
Semi-coke	267,401	274,357	263,981	282,165	297,000	
Germany (Federal)—						
Gas-works	3,242,000	3,350,000	3,967,000	4,218,000	4,982,000	5,657,000
Coke-ovens—Hard coke	33,102,000	36,679,000	37,231,000	34,465,000	39,976,000	42,857,000
do. Brown-coal coke	680,000	690,000	713,000	682,000	611,000	576,000
Germany (East)	(a)	(a)	2,270,000	2,560,000	(a)	(a)
Greece (gas-works) ..	30,818	29,707	30,020	(a)	(a)	(a)
Hungary	270,000	334,000	484,000	479,000	444,000	(a)
Italy—						
Gas-works	1,074,681	1,095,720	1,059,832	1,035,533	997,792	900,438
Coke-ovens	2,146,135	2,435,241	2,400,104	2,573,577	2,907,503	3,356,882

(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Netherlands—						
Gas-works	943,000	913,000	937,000	913,000	854,000	767,000
Coke-ovens	2,926,000	3,177,000	3,234,000	3,327,000	3,839,000	4,186,000
Norway (gas-works)	60,154	64,270	62,488	61,484	56,815	(a)
Poland	6,250,000	7,234,000	7,776,900	8,386,200	9,877,000	10,320,000
Portugal (gas-works)	26,383	27,784	33,614	34,189	37,782	(a)
Saar—						
Coke-ovens	3,706,056	3,825,831	3,532,580	3,607,000	3,877,000	} 4,264,000
Semi-coke	85,323	92,105	81,728	90,000	114,000	
Spain—						
Gas-works	212,783	218,807	223,174	241,348	245,631	268,659
Coke-ovens	979,136	1,169,871	1,161,388	1,216,658	1,429,537	1,571,348
Sweden (including breeze)	557,931	660,833	700,498	783,011	810,000	845,000
Switzerland—						
Gas-works	459,000	451,000	441,000	438,000	457,000	(a)
U.S.S.R.	30,200,000	33,200,000	36,300,000	39,700,000	42,900,000	45,900,000
Yugoslavia—						
Gas-works	30,322	25,202	24,662	23,347	23,421	22,688
Coke-ovens	—	14,788	291,045	397,747	719,853	908,813
Algeria (gas-works)	94,815	89,614	92,267	87,460	82,908	86,174
Canary Islands (gas-works)	364	—	—	—	—	—
Egypt	(a)	(a)	21,052	21,283	22,803	(a)
Tunis (gas-works)	12,633	12,331	15,605	10,547	589	—
Mexico (coke-ovens)	443,906	540,856	565,601	392,514	500,252	565,000
United States—						
Coke-ovens—						
Coke	60,993,882	54,571,748	63,603,534	51,718,149	64,801,868	} 64,278,787
Breeze and screenings	4,290,490	3,923,677	4,505,913	3,432,971	4,275,315	
Coke-ovens (gas-works) (c)—						} 4,260,547
Coke	3,280,379	2,437,283	2,104,973	1,015,281	898,323	
Breeze and screenings	286,147	218,617	184,700	76,452	65,957	
Beehive—						
Coke	6,556,723	3,932,137	4,681,544	536,655	1,533,582	2,198,234
Breeze and screenings	78,262	57,376	74,514	24,574	79,281	81,614
Gas-works—						
Coke	113,070	40,102	211,800	228,486	(a)	(a)
Breeze and screenings	17,326	4,185	2,155	—	(a)	(a)
Argentina	(a)	(a)	(a)	(a)	138,691	(a)
Brazil (d)	281,093	295,604	326,794	449,575	473,530	468,043
Chile	117,128	111,211	107,814	105,040	106,044	(a)
Colombia (b)	2,000	2,000	2,000	2,500	250,000	250,000
Peru	23,407	26,558	28,402	29,299	30,532	(a)
Uruguay (gas-works)—						
Coke	33,408	35,874	35,101	34,877	30,197	29,578
Breeze	4,926	5,743	5,797	5,797	4,248	4,314
Formosa—						
Gas-works	(a)	2,275	4,568	4,997	41,010	(a)
Coke-ovens	149,299	160,521	140,884	118,175	130,823	114,775
Japan—						
Gas-works	1,661,905	1,853,375	2,107,836	2,169,407	2,335,742	2,660,929
Coke-ovens	2,738,209	2,967,068	3,726,254	3,431,258	3,721,780	4,288,034
Beehive, etc.	1,060,035	962,574	968,444	890,668	919,668	1,161,177
Turkey—						
Gas-works	62,483	66,244	(a)	(a)	(a)	(a)
Coke-ovens	302,990	393,552	540,034	501,072	499,457	494,841
Korea (South)	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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain	1,747,000	1,776,000	1,576,000	1,682,000	1,681,000	1,776,000
Canada	353,571	634,904	632,583	741,911	583,564	671,861
Australia (b)—						
Brown-coal briquettes..	511,404	568,252	544,973	587,252	631,000	634,000
New Zealand	11,078	11,240	11,760	13,187	(a)	(a)
Irish Republic	2,755	1,317	1,795	(a)	(a)	(a)
FOREIGN COUNTRIES						
Belgium	1,781,542	1,459,436	1,311,582	1,356,505	1,512,000	1,783,000
Denmark—						
Brown-coal briquettes..	26,902	19,249	21,967	23,663	17,957	(a)
France	7,946,925	7,843,224	6,848,865	6,626,789	6,622,000	7,736,000
Germany (Federal)—						
Coal briquettes	4,039,000	4,883,000	4,822,000	5,532,000	6,370,000	7,082,000
Brown-coal briquettes..	15,672,500	16,144,000	16,317,000	16,404,000	16,180,000	16,690,000
Germany (East)—						
Brown-coal briquettes..	(a)	(a)	55,429,000	d 59,400,000	(a)	(a)
Italy—						
Anthracite briquettes ..	492	—	(a)	(a)	(a)	(a)
Netherlands—						
Coal briquettes	1,045,571	929,533	890,102	903,976	961,000	1,016,624
Brown-coal briquettes..	71,358	72,238	82,268	81,110	84,000	76,985
Poland—						
Coal briquettes	(a)	(a)	647,700	664,800	687,800	(a)
Brown-coal briquettes..	(a)	(a)	155,700	140,400	180,000	(a)
Portugal	89,923	92,791	82,467	89,898	94,401	73,478
Spain	1,142,213	1,130,306	1,145,138	1,093,949	1,163,227	1,277,209
Sweden	57,006	21,196	1,072	(a)	(a)	(a)
Switzerland (estimated)	100,000	100,000	100,000	100,000	100,000	100,000
Algeria	65,765	51,064	39,465	28,581	24,000	30,133
Morocco (Southern) ..	24,364	15,300	17,759	14,386	16,236	9,666
Tunis	36,347	14,552	10,979	5,606	9,836	4,279
United States (c)	2,131,446	2,035,496	1,589,340	1,450,412	1,454,948	1,355,839
Indo-China	(a)	(a)	(a)	49,152	(a)	(a)
Korea (South)	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):

1951—106,728; 1952—85,953; 1953—71,189; 1954—69,071; 1955—61,796; 1956—58,000.

(d) Estimated.

PRODUCTION OF COAL BY-PRODUCTS*

(Long tons)

Producing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain—						
Tar (quantity distilled)	2,700,000	2,710,000	2,710,000	2,777,000	2,778,000	2,869,000
Road tar (incl. refined)	608,000	610,000	593,000	653,000	662,000	608,000
Pitch	639,000	646,000	632,000	547,000	491,000	534,000
Motor benzol	195,700	225,900	197,600	197,600	189,000	204,000
Other motor spirits, etc.	119,700	117,700	117,700	115,300	109,300	90,700
Other refined light oils	138,800	138,000	171,400	186,700	195,700	197,300
Creosote-pitch mixture	632,000	647,000	664,000	780,000	803,000	879,000
Creosote oil	490,500	485,700	531,500	464,300	452,000	479,000
White naphthalene ..	13,200	6,500	7,500	10,300	9,600	10,500
Hot-pressed do. ..	15,400	18,600	18,500	19,200	20,800	22,600
Crude do.	12,600	16,900	9,100	11,400	19,600	19,000
Pyridine bases	930	840	890	1,100	1,500	1,500
Natural phenol	11,200	10,700	11,300	12,800	11,800	13,600
Refined cresylic acid ..	53,600	47,400	46,600	52,000	59,000	67,000
Anthracene 40-50% ..	2,590	2,820	2,480	2,410	2,600	2,800
Ammonium sulphate (b)	968,100	1,015,400	1,047,000	1,049,400	1,010,700	1,061,000
Canada—						
Tar (crude)	207,756	210,359	234,207	210,043	(a)	(a)
Tar (refined)	22,447	20,394	24,323	23,803	18,255	(a)
Pitch	100,126	117,627	118,515	121,350	106,829	(a)
Creosote oils	55,841	55,277	65,477	52,188	48,764	(a)
Ammonium sulphate ..	34,001	34,559	38,065	31,683	(a)	(a)
Benzol	30,242	32,497	36,269	26,265	(a)	(a)
Toluol, naphthalene, etc.	7,177	7,305	9,139	8,472	(a)	(a)
India (coke-ovens)—						
Tar	82,909	90,355	86,953	70,825	78,008	76,318
Benzol	4,130	4,951	4,370	4,087	3,071	3,330
Pitch	1,224	1,554	1,200	931	861	939
Naphthalene	205	123	76	68	18	38
Ammonium sulphate ..	25,713	25,699	8,866	10,092	11,902	14,281
Australia (gas-works) (c)—						
Tar (crude)	154,430	165,205	209,218	238,550	239,019	278,729
Tar (refined)	36,275	35,371	80,505	90,896	87,796	132,891
Tar oils (crude) ..	14,807	16,205	17,497	18,089	22,050	(a)
Ammonia liquor ..	107,740	104,374	99,773	101,197	119,517	(a)
Ammonium sulphate ..	(a)	(a)	(a)	(a)	(a)	(a)
New Zealand (d)—						
Tar (gas-works) ..	12,058	13,616	14,455	15,034	13,017	(a)
Irish Republic (gas-works)—						
Tar	14,405	15,078	15,219	14,615	15,256	(a)
Ammonium sulphate ..	240	241	40	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Tar	21,341	21,845	21,419	65,703	23,586	(a)
Benzol	4,384	4,086	4,422	14,887	2,752	(a)

* 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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Belgium—						
Tar (crude)	201,150	210,643	189,096	187,919	214,525	244,406
Benzol, (crude)	49,088	54,539	47,741	42,797	(a)	(a)
do. motor	(a)	20,691	25,958	27,223	36,565	40,675
do. industrial	28,700	14,829	5,376	5,232	7,511	8,633
Benzene	15,498	14,597	14,408	14,928	10,098	11,834
Toluol and xylol	5,524	5,319	6,050	5,988	3,720	4,098
Solvent naphtha	1,091	689	930	957	1,193	1,535
Ammonium sulphate	(a)	74,516	59,879	63,900	(a)	(a)
Pitch	25,237	27,404	24,902	19,255	(a)	(a)
Denmark (b)—						
Tar (gas-works)	44,185	42,116	45,340	41,642	44,084	(a)
Benzol (crude)	998	880	695	1,084	495	(a)
Finland (gas-works)—						
Tar	3,583	4,669	4,994	5,338	(a)	(a)
Benzol	621	575	634	538	(a)	(a)
Ammonia	251	249	315	325	(a)	(a)
France—						
Tar (crude)	532,200	576,970	559,200	584,305	627,407	682,500
Ammonium sulphate	88,138	97,891	88,317	88,489	100,900	111,800
Benzol (crude)	82,692	91,337	88,031	101,135	114,198	127,600
Pitch	166,278	176,600	169,300	153,238	168,588	203,300
Phenol (crude)	7,383	7,500	7,300	8,710	(a)	(a)
Naphthalene	33,905	34,300	25,000	28,380	35,023	37,800
Germany (Federal)—						
Tar (crude)	1,378,353	1,539,390	1,589,428	1,585,351	d 1,551,612	d 1,614,710
Pitch	707,181	798,420	819,609	782,550	874,149	899,419
Tar oils	392,406	448,031	462,832	486,247	566,188	613,694
Naphthalene	55,511	66,538	69,435	67,240	74,725	85,691
Benzol (crude)	383,174	428,481	437,183	431,999	502,709	541,612
Refined benzols	344,209	400,413	422,003	400,420	469,409	502,682
Phenol	5,724	5,317	7,673	8,141	9,607	10,011
Cresol and xylol	10,303	10,010	13,948	18,461	18,875	17,780
Anthracene	26,631	30,251	34,846	28,815	32,685	38,794
Pyridine and bases	363	753	717	453	355	668
Italy—						
Tar	135,246	144,593	143,257	148,493	162,243	172,839
Ammonium sulphate	29,665	38,451	(c) 21,303	(c) 30,560	(c) 35,496	(a)
Benzol (crude)	19,277	23,574	25,638	28,285	32,697	34,870
Naphthalene (crude)	8,077	5,108	4,186	6,415	6,256	7,101
Distillates	60,885	72,483	72,298	48,651	51,853	52,993
Benzol (refined)	16,077	21,256	19,771	16,622	18,350	21,995
Toluol and xylol	4,523	4,775	6,193	4,651	5,756	6,442
Pitch	41,829	45,980	50,569	58,864	62,037	62,141
Solvents	3,576	4,800	5,057	(e) 1,252	(e) 1,151	(e) 943
Netherlands—						
Tar (crude)	150,684	152,984	143,000	148,000	166,000	(a)
Norway—						
Tar (gas-works)	5,016	6,137	6,111	6,405	6,642	(a)
Portugal (gas-works)—						
Tar (crude)	(a)	(a)	(a)	(a)	3,668	(a)
Tar (refined)	(a)	(a)	(a)	(a)	120	(a)
Creosote	(a)	(a)	(a)	(a)	1,979	(a)
Pitch	(a)	(a)	(a)	(a)	1,843	(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Spain—						
Tar	52,166	57,658	61,615	50,454	75,032	86,264
Pitch	10,882	10,060	10,749	15,825	18,780	14,822
Benzol	10,664	11,339	12,166	13,857	18,849	20,640
Naphthalene	2,613	2,310	2,633	2,139	1,868	4,039
Ammonium sulphate	28,548	89,325	87,604	119,947	141,811	136,317
Creosote	5,163	5,295	6,236	1,654	5,076	6,106
Sweden—						
Tar (crude)	28,971	32,759	33,240	36,106	(a)	(a)
Other tar	31,670	23,774	25,433	27,631	(a)	(a)
Pitch	2,121	886	507	596	(a)	(a)
Benzol, toluol, etc.	3,537	4,115	4,108	4,198	(a)	(a)
Distillates, etc.	2,785	2,437	3,468	3,681	(a)	(a)
Switzerland—						
Tar (crude) (gas-works)	24,328	25,085	25,166	25,671	26,130	(a)
Algeria—						
Tar (gas-works)	5,669	6,137	5,704	5,525	4,997	5,440
Tunis—						
Tar (gas-works)	1,302	1,250	1,284	968	192	—
United States—						
Coke-ovens—						
Tar (crude)	3,398,766	3,008,075	3,541,576	3,059,147	3,644,969	3,559,090
Pitch	755,746	666,388	786,759	670,608	1,002,446	915,633
Sulphate equivalent of ammonia produced (b)	890,869	795,224	933,496	792,172	933,749	870,359
Benzol	576,164	517,048	591,976	464,793	580,734	581,420
do. motor	13,720	(e)	3,118	8,944	(e)	(e)
Naphthalene (crude)	58,534	47,725	50,418	44,669	82,242	79,044
Toluol and xylo	141,825	126,197	150,211	141,632	161,763	155,483
Solvent naphtha	19,347	15,003	20,145	14,688	17,665	18,669
Creosote	170,524	156,438	148,121	105,038	123,092	127,541
Phenol	3,556	3,429	4,311	3,902	5,959	4,859
Other light products	23,069	20,630	20,325	13,576	21,150	21,334
All sources (c)—						
Coal tar	3,411,261	3,011,987	3,562,034	3,080,735	3,644,970	(a)
Water gas and oil gas tar	572,692	377,274	287,564	192,479	262,521	(a)
Crude light oil (d)	979,443	856,447	1,013,637	821,963	1,024,930	(a)
Benzol, motor	13,720	(a)	3,118	8,944	—	(a)
do. other	777,197	767,377	909,147	856,033	1,001,847	(a)
Toluol	149,369	134,827	133,049	118,627	137,556	(a)
Xylo	36,755	33,245	34,601	34,186	38,761	(a)
Solvent naphtha	19,346	15,003	50,196	72,856	86,304	(a)
Other light oil derivatives	43,127	36,923	48,857	25,683	31,843	(a)
Naphthalene (crude)	158,813	143,967	140,982	134,925	213,022	(a)
Creosote oil	597,687	550,484	576,587	466,849	514,687	(a)
Coal tar (f)	37,645	46,564	35,769	30,996	35,616	(a)
Tar, refined (g)	206,697	117,594	156,620	141,034	148,397	(a)
Tar, road	612,598	477,321	469,368	344,188	398,620	(a)
Distillate products, others	161,059	164,036	73,290	90,556	106,869	(a)
Pitch of tar	1,562,000	1,463,000	1,682,000	1,462,000	1,841,000	(a)
Pitch of tar coke	40,000	32,000	34,000	21,000	29,000	(a)

(a) Information not available.

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

1951—802,020; 1952—716,440; 1953—844,762; 1954—734,659; 1955—876,184; 1956—788,125.

(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mexico—						
Tar	2,805	3,715	7,450	5,516	5,879	(a)
Benzol	2,644	3,081	3,249	2,907	2,795	(a)
Creosote	5,679	5,770	7,058	6,840	6,099	(a)
Ammonium sulphate ..	3,086	3,191	3,559	3,579	3,675	(a)
Brazil (b)—						
Tar	(a)	(a)	29,813	42,514	45,774	49,862
Benzol	(a)	(a)	3,195	4,204	3,846	3,969
Toluol and xylol ..	(a)	(a)	582	772	759	1,185
Solvent naphtha ..	(a)	(a)	40	71	46	100
Naphthalene	(a)	(a)	1,185	1,651	1,832	2,087
Creosote oil	(a)	(a)	1,454	1,967	1,928	1,791
Ammonium sulphate ..	(a)	(a)	4,465	6,126	5,872	6,662
Pitch	(a)	(a)	3,450	1,605	1,908	1,491
Carbolic acid	(a)	(a)	307	293	(a)	627
Chile—						
Tar	17,561	17,397	17,788	16,394	(a)	(a)
Colombia—						
Tar	(a)	(a)	(a)	(a)	9,810	6,400
Benzol	(a)	(a)	(a)	(a)	1,718	1,848
Ammonium sulphate ..	(a)	(a)	(a)	(a)	1,295	2,000
Uruguay (gas-works)—						
Tar	1,979	2,141	2,078	2,493	1,970	2,348
Benzol	99	95	69	69	154	157
Tar oil	87	75	91	105	97	—
Pitch	253	239	242	255	237	—
Japan—						
Tar	390,513	378,561	426,276	421,433	499,985	601,307
Benzol (crude)	81,610	74,453	88,720	87,811	96,291	117,000
do. (other)	38,892	36,896	44,525	47,821	52,769	69,835
Toluol and xylol ..	5,622	5,492	7,937	7,783	8,834	10,948
Solvent naphtha ..	5,374	3,744	4,512	5,149	6,508	7,132
Creosote oil	82,484	94,484	130,010	132,478	138,702	150,182
Carbolic acid (crude) ..	4,701	4,559	4,736	5,232	5,941	7,275
Naphthalene (crude) ..	18,708	22,369	27,129	27,589	28,605	30,105
do. (refined)	11,173	11,303	12,436	16,145	16,310	23,385
Anthracene	3,212	3,118	4,027	4,547	4,712	4,712
Ammonium sulphate ..	68,087	77,170	88,779	87,705	99,468	114,408
Turkey—						
Coke-ovens—						
Tar (crude)	14,929	(a)	(a)	(a)	(a)	(a)
Benzol (crude)	4,136	(a)	(a)	(a)	(a)	(a)
Ammonium sulphate ..	2,633	3,270	(a)	(a)	(a)	(a)
Naphthalene (refined)	159	(a)	(a)	(a)	(a)	(a)
Gas-works—						
Tar	3,249	3,743	(a)	(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Anthracite—						
smalls and graded ..	622,884	773,423	809,829	973,168	1,021,590	904,775
large	296,822	309,543	269,591	261,486	267,193	197,766
other	171,489	149,029	191,094	300,723	399,021	505,682
Bituminous—						
smalls and graded ..	1,780,410	4,100,898	6,354,353	6,102,549	4,931,136	2,621,772
unscreened	1,239,079	1,874,759	1,673,388	1,218,698	1,101,316	1,019,677
large	2,288,274	3,456,920	3,556,436	3,423,303	2,711,336	1,933,703
other	1,407,611	1,086,278	1,117,233	1,435,695	1,800,958	1,358,591
Bunkers	3,722,969	3,296,202	2,834,964	2,500,137	2,128,499	1,486,428
Coke, gas	222,727	507,690	568,175	646,953	643,468	775,424
do. other	672,810	887,432	858,490	897,309	1,202,944	1,579,419
Manufactured fuel ..	427,607	546,660	257,991	247,726	264,231	320,186
Tar	74,127	87,276	83,900	151,936	166,609	114,660
Pitch	352,109	357,515	265,765	255,186	221,163	263,843
Creosote oil	122,685	139,313	146,092	114,228	95,565	113,658
Other heavy coal-tar oils	6,473	4,106	3,331	5,610	5,047	4,012
Naphthalene	1,991	9,316	7,166	8,334	12,934	8,533
Carbolic acid	233	1,320	8,061	4,019	2,833	4,897
Cresylic acid	17,041	7,794	11,337	8,743	13,635	17,336
Benzol	163,639	121,793	37,639	16,341	1,094	4,859
Gibraltar—						
Coal (bunkers) (b) ..	170,000	70,000	41,000	31,000	35,450	29,156
Malta—						
Coal (bunkers on merchant ships) (b) ..	1,445	1,033	762	91	295	700
Kenya—						
Coal (bunkers) (b) ..	2,949	1,305	—	—	—	8
Mauritius—						
Coal (bunkers) (b) ..	4,852	4,786	3,193	2,508	746	63
Nigeria—						
Coal	89,872	1,132	4,338	} 25,595	99,976	98,393
do. (bunkers) ..	8,733	340	733			
Southern Rhodesia—						
Coal	877,776	956,091	872,657	(e) 34,448	(e) 39,787	(e) 34,554
Coke	58,736	69,024	79,179	(e) 46,439	(e) 28,451	(e) 62,188
Union of South Africa—						
Coal	1,688,834	831,733	1,183,483	1,111,818	652,858	623,611
do. (bunkers) ..	239,628	154,329	79,548	67,338	33,004	33,746
Coke	41,410	42,712	13,344	5,077	579	350
Tar and pitch	2,856	2,995	355	1,070	2,180	6,553
Canada—						
Coal	374,983	335,046	216,054	183,808	517,238	519,128
do. (bunkers) (c) ..	93,053	71,546	58,613	51,758	(a)	(a)
do. do. (d) ..	246,771	292,872	325,326	230,297	374,285	370,076
Lignite	13,484	12,239	11,870	12,037	12,031	11,378
Coke	144,377	270,503	145,206	96,929	99,573	111,191
Tar and pitch	3,185	3,390	4,644	4,468	1	11,961
Creosote oil	32	8,397	—	—	2,043	3,530
Other coal tar oils ..	11,252	13,534	12,726	6,299	5,840	7,658

*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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies—						
Bermuda—						
Coal (bunkers) (c) ..	(a)	(a)	800	(a)	(a)	541
Jamaica—						
Coal (bunkers) (c) ..	(b) 20,819	(b) 5,407	(b) 7,829	11,087	(a)	8,945
Trinidad and Tobago—						
Coal (bunkers) (c) ..	16,769	18,736	10,406	2,506	409	108
Aden—						
Coal (bunkers) (c) ..	88,516	55,528	35,219	16,347	17,756	20,341
Ceylon—						
Coal (bunkers) (c) ..	68,803	32,859	21,985	18,847	13,420	18,781
Cyprus—						
Coal (bunkers) (c) ..	329	295	1	130	403	823
Hong Kong (re-exports)—						
Coal	10,974	4,468	8,365	5,397	2,067	234,162
Coke	431	74	119	49	—	149
India—						
Coal (by sea)	1,878,834	2,488,294	1,271,399	1,255,224	723,637	915,596
do. (by land)	(e) 407,316	(e) 586,949	(e) 736,425	(e) 758,997	(e) 744,908	888,610
do. (bunkers— domestic produce)	291,685	286,329	163,671	154,494	133,947	52,382
do. (bunkers— foreign produce) ..	—	515	450	—	2,534	—
Coke (by sea)	22,937	59,030	10,364	14,618	20,321	23,366
do. (by land)	(e) 250	(e) 10,100	(e) 17,834	(e) 19,065	(e) 54	54
Tar and pitch (by land)	(e) (a)	(e) —	(e) 187	(e) 532	1,766	2,527
Malaya (including re-exports)—						
Coal	1,209	357	259	377	8	31
do. (bunkers) (c) ..	37,297	32,593	14,549	13,657	8,871	16,389
Coke	658	316	185	436	222	443
Tar	1,222	270	167	94	77	72
Australia (d)—						
Coal	72,283	139,140	247,042	385,812	281,456	193,813
do. (bunkers)	69,299	54,207	42,623	31,718	25,363	38,749
Coke	1,722	1,396	17,069	28,223	21,885	66,590
Carbolic acid	403	651	44	36	—	—
Other coal tar oils	2,202	3,878	2,348	1,877	1,463	3,665
New Zealand—						
Coal	3,176	8,730	16	5	3	—
do. (bunkers)	2,889	5,975	1,649	866	646	670
Coke	292	344	21	60	54	132
Tar	59	6	3	2	—	24
Irish Republic—						
Coal (bunkers) (c) ..	399	164	238	217	606	1,684
Coal and coke	(a)	(a)	13,219	10,647	2,695	7,618
Creosote, etc.	1,976	1,142	142	1,466	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Bituminous	11	650	—	9	10	13
Brown coal	2,207	64	4,924	18,239	45,841	53,978
Coke	168	—	—	19	11	815
Tar	2,250	7,558	2,236	—	1,051	1,224
Naphthalene	1,756	657	1,997	3,329	4,213	4,257
Carbolic acid	(a)	1,432	1,630	263	907	866

(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) Year ended March 31 following that stated.

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Austria (cont.)—						
Light tar oils	—	3,942	—	79	1,820	2,876
Heavy tar oils	—	189	—	920	274	15
Pitch	—	5,252	4,223	35	9,608	16,985
Belgium-Luxemburg						
E.U.—						
Coal	1,861,427	2,390,310	3,959,456	5,364,846	7,098,717	4,475,513
do. (bunkers) (b) ..	64,892	27,530	14,748	21,938	24,405	18,934
Coke	348,915	840,964	724,582	789,738	667,016	839,405
Briquettes	273,945	290,201	266,886	318,669	440,572	597,477
Brown coal briquettes ..	—	20	40	48	524	—
Tar	1,592	332	826	1,432	4,509	3,822
Pitch	2,488	18,740	47,139	27,027	4,627	15,128
Naphthalene	9,870	11,440	11,564	11,630	13,864	13,570
Carbolic acid and cresol ..	652	4,859	433	551	785	775
Distillates	27,314	26,016	10,146	12,453	3,780	1,147
Denmark—						
Brown coal briquettes ..	—	—	1,152	2,714	14,699	20,629
Tar and pitch	5,691	11,785	22,696	17,785	21,932	17,743
France—						
Anthracite	17,211	3,790	1,726	1,408	21,536	20,961
Bituminous	5,816,503	5,491,531	7,014,838	7,352,514	12,275,078	6,757,878
Brown coal	2,526	1,277	1,284	2,342	11,352	1,696
Coke	254,439	151,621	236,926	292,217	403,682	212,631
Briquettes	70,833	54,981	30,236	20,977	38,899	34,039
Brown coal briquettes ..	5,268	1,236	322	448	1,524	68
Coal, coke and briquettes—						
Bunkers (domestic produce)						
	53,385	18,047	15,808	20,565	34,771	(a)
do. (foreign produce)						
	184,083	137,635	78,448	51,246	33,998	(a)
Tar and pitch	33,159	4,903	2,521	3,181	8,509	27,398
Benzol, etc.	10,055	18,559	15,566	718	811	1,384
Naphthalene	8,264	10,545	9,650	10,787	8,910	6,544
Carbolic acid	272	129	361	90	166	176
Carbolineum	420	420	354	365	435	(a)
Anthracene	258	203	390	259	416	624
Coal tar oils	15,208	22,674	12,825	17,268	6,534	32,613
Germany (Federal)—						
Coal	12,856,466	11,877,025	13,391,354	16,030,480	12,201,196	11,766,314
do. (bunkers) (b) ..	351,720	359,454	189,965	200,790	208,173	257,760
Brown coal	—	—	669	77,722	18,283	8,715
Coke	9,734,545	10,474,924	8,959,411	9,530,177	11,088,838	10,790,982
Coal briquettes	241,086	262,915	363,053	502,986	568,304	617,437
Brown-coal briquettes ..	1,573,720	1,465,537	1,518,457	1,585,502	1,626,694	1,605,905
Tar and pitch	132,076	164,052	129,570	145,707	82,235	82,657
Naphthalene	15,881	20,774	26,688	22,234	19,992	22,552
Carbolic acid	178	(d) 2,391	2,068	2,564	3,769	7,145
Cresol	(c) 1,249	(d) 643	1,838	3,301	2,505	2,763
Light coal-tar oils, etc. ..	14,394	2,405	15,769	9,582	19,756	56,211
Heavy coal-tar oils, etc. ..	75,675	106,219	114,612	36,717	34,268	27,872
Italy—						
Coal (incl. bunkers) ..	2,495	3,799	2,624	3,124	5,018	10,173
Coke	14,839	222,635	101,104	51,735	71,061	104,038
Tar and tar oils	198	4	762	11,075	7,206	521
Pitch	20,394	21,714	17,922	15,410	35,685	29,757
Naphthalene	102	3	149	24	140	17

(a) Information not available.

(b) Bunkers for foreign ships only.

(c) January to September only.

(d) April to December only.

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Coal	11,607	16,053	291,107	1,034,588	902,125	938,565
do. (bunkers) (b) ..	342,807	261,980	195,136	170,829	238,388	194,382
Brown coal	23,074	11,306	1,681	1,496	10,892	43,910
Coke	1,177,088	1,376,333	1,260,529	1,514,049	1,901,942	2,016,468
Briquettes	355	241	17,981	107,041	180,151	203,925
Brown coal briquettes..	10,989	25,830	59,217	45,253	33,635	30,418
Tar	1,039	467	305	1,614	3,242	6,304
Pitch	12,300	3,745	7,019	8,761	18,131	10,750
Creosote oil	26,865	36,881	31,875	25,673	31,131	26,348
Naphthalene	8,515	5,201	11,170	8,998	12,228	11,402
Anthracene	3,871	3,386	3,296	2,920	3,588	5,135
Carbolic acid etc. ..	1,947	1,537	2,638	1,570	1,386	2,733
Benzol	12,981	14,664	21,097	21,347	18,973	26,973
Toluol and xylol .. .	22	1,690	124	62	318	811
Solvent naphtha .. .	195	380	336	383	688	555
Norway—						
Tar	1,279	1,441	781	3,022	1,757	2,360
Pitch	268	356	615	253	94	75
Poland—						
Coal	(a)	(a)	23,852,000	23,852,000	23,765,000	18,884,000
Coke	(a)	(a)	1,792,000	1,897,000	2,205,000	2,247,000
Portugal—						
Coal	589	476	302	2,046	6,411	138
do. (bunkers) (c) ..	6,784	2,835	1,966	760	2,131	2,261
Tar and pitch	150	172	101	60	90	75
Spain—						
Anthracite	14,763	20,237	7,107	3	70,947	(a)
Bituminous (incl. bunkers) ..	96,766	88,680	46,401	44,259	68,171	(a)
Other coal	37	18	6,471	7,026	13,404	(a)
Coke	381	484	1,123	329	2,867	(a)
Briquettes	695	261	1,016	200	—	(a)
Carbolic acid, naphthalene, etc. ..	72	82	1	31	213	147
Tar and pitch	28	11	1	—	9	3
Spitzbergen—						
Coal (including bunkers)	707,877	702,654	656,182	605,713	433,564	(a)
Sweden—						
Coal	43	47	57	3,652	993	—
Coke	1,373	452	30,315	52,709	28,355	24,115
Tar, pitch, etc. . . .	9,512	9,921	6,356	5,789	13,038	7,249
Benzol	979	372	803	1,078	511	193
Carbolic acid, etc. ..	1	6	56	10	1	—
Toluol and xylol .. .	1,609	1,705	1,093	699	373	911
Other benzol oils .. .	12	27	936	254	1,090	1,097
Switzerland—						
Coal	217	1	2,783	562	13,007	2,439
Coke	—	788	2,230	6,225	7,619	7,495
Briquettes	573	1,107	219	202	10,981	5,257
Tar and pitch	2,391	2,176	4,517	1,302	410	855
Creosote, etc.	801	—	679	92	22	208
Naphthalene, etc. .. .	2,978	733	1,421	2,486	2,122	2,277
Yugoslavia—						
Bituminous	60,429	60,169	90,823	87,303	38,920	51,783
Brown coal	186,582	93,237	49,034	64,712	78,484	84,927
Lignite	1,823	509	3,778	33,227	—	—
Briquettes	(a)	(a)	(a)	1,477	374	—
Pitch	(a)	(a)	(a)	147	113	93
Tar	147	311	6,938	8,474	6,604	17,477

(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Algeria—						
Coal	78,077	73,318	89,756	55,059	35,430	31,747
do. (bunkers) ..	1,181	214	86	14	139	65
do. do. (b) ..	114,518	64,218	37,896	—	25,544	11,570
Coke	74	64	285	12	—	1,639
Briquettes (bunkers) ..	307	75	24	38	69	(a)
Tar	159	407	346	242	255	18
Canary Islands—						
Coal	—	15	81	84	137	(a)
do. (bunkers) (b) ..	49,497	30,378	11,927	1,825	—	(a)
Cape Verde Islands—						
Coal (bunkers) (b) ..	25,194	10,076	4,205	3,272	2,383	5,167
Ceuta—						
Coal	2,328	2,813	2,190	5,842	844	(a)
do. (bunkers) (b) ..	80,505	60,279	43,497	32,411	18,962	(a)
Egypt—						
Coal (bunkers for foreign ships) (b) ..	28,837	7,596	2,355	(a)	(a)	(a)
Coke	99	—	1	—	—	(a)
Tar and Pitch	2	108	—	(a)	(a)	(a)
Madagascar—						
Coal (bunkers)	88	—	—	719	(a)	49
Morocco (Southern)—						
Anthracite	234,369	195,963	171,991	199,149	281,599	210,395
Other coal	(a)	—	900	1,213	8,761	(a)
Briquettes	(a)	18,932	2,371	2,858	2,940	3,881
Mozambique—						
Coal (incl. bunkers) ..	24,707	27,565	63,217	45,183	23,382	36,141
Mexico—						
Coal and coke	130	211	1	2	1	200
Tar	1,571	440	—	11	23	—
United States—						
Anthracite	5,320,692	4,100,054	2,432,404	2,545,749	2,814,565	4,682,454
Bituminous	50,648,353	42,532,919	30,143,092	27,703,490	45,747,448	61,209,904
do. (bunkers)	810,954	645,868	540,196	381,300	397,148	(a)
Coke	916,723	707,259	464,511	343,194	473,665	585,462
Briquettes	150,696	118,559	91,888	88,311	94,905	95,939
Tar and pitch	76,867	70,182	58,281	38,474	44,796	51,077
Benzol	1,121	666	4,130	19,533	8,193	9,056
Creosote	1,590	3,702	2,405	3,300	2,165	5,058
Toluol	—	—	11,844	68,248	37,518	28,152
Carbolic acid	9,418	9,951	6,768	20,178	16,385	18,627
Chile—						
Coal (including bunkers)	50,152	69	20	18,000	64,000	(a)
Coke	336	18,232	110	8,858	2,432	(a)
Peru—						
Coal	40,646	40,675	35,126	18,439	103	5,021
do. (bunkers)	—	—	—	—	197	—
Venezuela—						
Coal	1,919	246	474	1,053	(a)	(a)
Formosa—						
Coal (including bunkers)	18,399	12,703	207,198	100,630	46,473	105,020
Indo-China—						
Coal (including bunkers)	212,249	209,612	301,210	453,522	(a)	(a)
Indonesia—						
Coal (including bunkers)	114,531	106,493	133,678	85,534	46,755	11,365

(a) Information not available.

(b) Foreign coal (see imports).

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Japan—						
Coal	15,587	463,439	477,531	315,677	373,325	540,963
do. (bunkers) ..	(a)	293,827	161,912	100,134	128,966	98,590
Coke	1,657	1,449	713	1,293	37,282	16,193
Benzol	64	6,666	173	608	18	7
Naphthalene ..	1,009	1,278	695	1,643	365	83
Tar and pitch ..	2,449	20,839	9,050	5,020	3,105	18,053
Korea (South)—						
Coal	—	4,641	51,448	5	32,827	2
Turkey—						
Coal	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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Coal	1,225,544	319,552	550,715	2,949,350	11,320,301	5,462,311
Coke	4	19,223	—	8	608	1,404
Manufactured fuel	2	135	310	1	34	17
Tar and pitch	2,016	2,021	3,164	3,813	4,462	4,419
Benzol	—	—	—	918	3,302	2,669
Cresylic acid	14	168	2	812	1,269	209
Naphthalene	16	4	1,258	6,109	66	(d) 14
Carbolic acid	2,223	2,722	56	725	5	—
Channel Islands—						
Anthracite	123,706	91,672	113,294	109,609	101,724	130,728
Bituminous	124,959	144,125	155,519	172,146	192,647	181,093
Coke	24,548	21,306	14,938	21,535	13,799	6,062
Creosote	18	21	20	22	23	22
Gibraltar—						
Coal and coke (b)	179,500	78,505	48,274	33,711	39,772	30,947
Malta—						
Coal (c)	17,613	12,085	11,264	23,079	17,584	6,652
Coke	311	568	—	317	218	132
Gambia—						
Coal, coke and patent fuel	173	—	5	105	2	—
Tar and pitch	9	4	5	47	2	12
Ghana—						
Coal	160,675	147,060	97,108	106,951	121,261	86,606
Coke	696	648	332			
Patent fuel	—	—	180	(f) 1,207	(f) 2,368	(f) 1,300
Tar and pitch	1,805	2,845	1,622			
Kenya—						
Coal (c)	19,001	26,225	12,181	19,575	24,629	42,535
Coke	1,440	2,079	1,581	3,995	571	2,373
Tar	31	41	—	10	26	33
Tar oils	44	26	40	202	560	830
Mauritius—						
Coal (c)	24,232	26,659	27,557	26,497	8,846	19,070
Coke	628	362	129	286	295	424
Tar	36	502	174	12	23	51
Nigeria—						
Coal	3	26,356	26,041	(d) 1,203	(d) 263	1,094
Coke	840	364	1,165			
Patent fuel	1	2	1	(f) 550	(f) 699	(f) 525
Tar and pitch	1,737	2,160	1,655			
Northern Rhodesia—						
Coal	696,181	756,379	795,439	(e)	(e)	(e)
Coke	7,692	12,839	14,396			
Tar and creosote oil	56	42	58	(e)	(e)	(e)
Tar and pitch	468	737	491			
Nyasaland—						
Coal	23,132	30,860	36,362	(e)	(e)	(e)
Coke	152	400	250			
Tar and pitch	784	1,009	2,961			

*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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
(cont.)						
St. Helena—						
Coal	61	20	60	43	44	204
Sierra Leone—						
Coal	9,985	—	—	} 15,900	30,278	23,690
Coke	—	4	4			
Briquettes	4,200	40,562	32,690			
Tar and pitch	4,954	666	425			
				(b) 128	(b) 231	(b) 152
Southern Rhodesia—						
Coal	6,902	6,347	8,262	(c) 134,845	(c) 70,993	(c) 86,605
Coke	—	440	563	(c) 571	(c) —	(c) —
Tar and pitch	2,113	1,564	(b) 35	(b) (c) 67	(b) (c) 52	(b) (c) 243
South West Africa—						
Coal	26,311	41,269	68,233	66,457	(e)	(e)
Coke	13	54	42	31	(e)	(e)
Tanganyika—						
Coal	50,917	71,662	56,842	51,611	5,129	4,456
Coke	986	12	445	994	124	866
Tar	42	31	34	13	25	13
Tar oils	11	31	5	128	51	79
Uganda—						
Coal	11	16	8	88	26	22
Coke	198	132	143	62	260	223
Tar	6	14	52	72	413	161
Tar oils	10	6	18	106	672	410
Union of South Africa—						
Coal	48,148	82,815	28,356	1,508	(f) 94,806	(f) 40,163
Coke	—	2	9	9	(f) 5	(f) 13
Naphthalene	24	21	52	33	(f) 20	(f) 41
Tar and creosote	2,358	3,852	1,713	1,915	(f) 2,855	(f) 4,212
Zanzibar—						
Coal	100	5,552	5,308	1,950	2,001	657
Canada—						
Anthracite	3,439,390	3,476,922	2,667,778	2,456,118	2,348,655	2,244,410
do. dust	1,173	634	1,021	3,598	14,294	28,471
Bituminous	20,233,343	18,483,427	17,775,246	13,895,438	14,888,103	17,545,823
do. (d)	246,771	292,872	325,326	230,297	374,285	370,076
Brown coal	8,165	6,685	2,734	2,521	1,382	1,732
Briquettes	151,926	138,926	114,887	114,431	110,907	113,146
Coke	538,521	480,632	324,669	228,669	315,308	445,328
Cresylic acid	915	224	263	170	278	197
Benzol	2,224	134	2,434	7,787	7,267	9,284
Tar	37,084	22,024	28,828	4,421	9,310	2,726
Pitch	36,672	29,626	39,287	47,798	66,780	68,284
Naphthalene	489	814	844	909	1,434	1,350
Carbolic acid, etc.	20,420	17,876	29,484	27,330	19,837	19,610
British Guiana—						
Coal	3,281	1,894	1,898	2,584	1,273	350
Coke	309	141	—	76	86	83
Patent fuel	2,007	3,000	1,014	27	78	51
Tar and pitch	309	281	244	(b) 252	(a)	(b) 352
British West Indies—						
Bahamas—						
Coal	3	10	2	1	4	11
Barbados—						
Coal, coke, and patent fuel	2,093	1,105	878	1,131	1,255	957

(a) Information not available.

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

(b) Tar only.

(e) Included with Union of South Africa.

(c) Federation of Rhodesia and Nyasaland.

(f) Including South West Africa.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies						
<i>(cont.)</i> —						
Bermuda—						
Bituminous (c) ..	1,081	2,480	1,588	648	838	2,025
Grenada—						
Coal	—	—	—	1	—	1
Coke	5	10	7	3	3	1
Jamaica—						
Coal (c)	24,237	9,657	16,166	8,054	16,661	5,348
Coke	583	353	377	531	762	635
Tar and pitch ..	18	48	139	(b) 30	(b) 72	(b) 68
Leeward Islands—						
Coal, coke and patent fuel	5,747	1,397	1,570	8	1,404	3,454
St. Lucia—						
Coal	38	25	52	42	1	34
Tar	4	5	8	4	5	1
St. Vincent—						
Coal	11	13	11	4	4	9
Trinidad and Tobago—						
Coal (c)	9,583	13,924	13,767	1,080	1,841	(d) 177
Coke	227	236	68	227	199	71
British Honduras—						
Coal and coke ..	18	22	19	22	60	32
Tar and pitch ..	31	6	2	(b) 14	(b) 4	(a)
Falkland Islands—						
Coal	2,793	779	521	917	421	516
Coke	83	—	91	116	42	827
Aden—						
Coal (c)	115,186	67,677	40,375	21,649	28,290	25,048
Coke	220	56	2,607	56	—	(d) 3
Naphthalene ..	309	413	145	157	—	—
Ceylon—						
Coal (c)	237,639	370,552	383,139	284,390	184,287	143,811
Coke	918	723	934	1,099	4,857	3,843
Tar and pitch ..	94	55	152	108	(b) 53	(b) 73
Cyprus—						
Coal (c)	647	3,235	1,641	1,788	501	2,828
Coke	645	435	454	445	822	1,460
Briquettes ..	298	187	169	540	—	—
Tar and pitch ..	14	15	5	21	14	15
Hong Kong (total imports)—						
Coal	277,623	305,594	206,883	204,619	246,280	435,661
Coke	3,664	2,608	2,558	1,638	3,860	7,264
India (total imports)—						
Coal	13	423	31	1	160	405
Coke	—	—	—	2,000	2,000	1,982
Tar and pitch ..	712	149	338	431	314	352
Naphthalene ..	19	19	—	2	—	257
Carbolic acid ..	19	130	242	280	384	562
Malaya (total imports)—						
Anthracite	} 152,475	} 176,882	9,319	15,793	25,594	19,302
Bituminous (c) ..			78,007	49,419	41,569	60,728
Coke			2,221	4,334	4,577	5,536
Tar and pitch ..			1,054	445	561	(b) 400	(b) 413	(b) 320

(a) Information not available.

(b) Tar only.

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

(d) Excess of re-exports.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Pakistan—						
Coal and coke	1,366,000	1,667,000	1,192,000	1,101,000	1,063,000	1,328,000
Tar and pitch	(b) 307	(b) 657	(b) 2,356	(b) 2,190	(b) 729	103
Naphthalene	(b) 17	(b) 798	(b) 122	(b) 87	(b) 57	509
Australia (e)—						
Coal	597,866	285,409	136,844	2,051	(c) 4,776	4,117
Coke	37,655	6,508	685	10,981	5,900	3,444
Naphthalene	50	74	6	17	813	854
Toluol	—	12	70	204	3,231	61
Cresylic acid	90	193	12	239	526	120
Carbolic acid	1	1	—	14	50	1
Tar oils	56	147	56	36	166	114
Tar and pitch	85	19	1,363	1,495	114	82
Fiji—						
Coal	18,659	22,889	18,291	21,240	17,629	15,692
Coke	355	540	300	415	227	315
Tar	(f) 292	(f) 1,343	(f) 843	(f) 470	24	169
New Guinea (e)—						
Coal and coke	1,866	425	174	967	(£2,236)	35
New Zealand—						
Coal	27,563	1,345	101	77	7,129	12,209
Coke	1,431	3,821	781	194	254	310
Tar	398	547	428	3,999	4,045	10,610
Pitch	86	1,595	539	713	1,158	942
Naphtha benzol, toluol, etc.	110	246	235	315	1,165	541
Naphthalene	9	103	186	47	28	82
Creosote	1,580	1,786	1,024	1,907	2,433	1,968
Carbolic acid	34	(c) 18	3	22	15	5
North Borneo—						
Coal and coke	87	121	28	93	79	294
Papua (e)—						
Coal and coke	218	529	161	175	650	(a)
Solomon Islands—						
Coal	516	(a)	(a)	(a)	(a)	(a)
Sarawak—						
Coal and coke	11	16	4	9	15	20
Tar	114	754	114	65	96	108
Western Samoa—						
Coal and coke	23	9	19	7	9	98
Irish Republic—						
Anthracite	48,479	65,126	39,036	50,230	70,535	56,617
Bituminous (d)	1,988,273	1,632,220	1,601,944	1,658,811	1,730,787	1,356,181
Coke	24,897	19,020	15,128	17,398	26,296	16,718
Patent fuel	106,580	95,946	84,886	76,128	80,832	58,555
Tar	10,864	13,561	11,664	14,485	12,511	14,972
Creosote, etc.	4,368	4,481	6,594	7,084	7,479	6,158
Tar and bitumen mix- ture	26,421	18,613	49,849	57,185	55,576	67,293
Benzol	27	19	(a)	(a)	(a)	(a)

(a) Information not available.

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

(c) Excess of re-exports.

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

(e) Years ended June 30 of that stated.

(f) Including bitumen from petroleum.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
Austria—						
Coal	4,110,296	3,699,899	3,376,640	3,807,761	4,039,900	4,314,199
Brown coal	537,548	356,956	208,489	193,089	188,629	237,415
Coke	290,082	250,828	274,926	343,138	412,754	430,510
Briquettes	799,435	646,110	578,740	516,477	554,497	553,694
Light coal-tar oils	1,299	73	80	1,760	856	1,379
Heavy coal-tar oils	1,531	235	2,599	3,788	629	720
Carbolic acid	546	604	688	1,024	1,302	1,268
Naphthalene	(a)	92	282	1,087	1,173	525
Tar, pitch, etc.	10,945	4,357	5,828	3,267	3,239	5,045
Belgium-Luxemburg						
E. U.—						
Coal	2,340,353	1,973,699	2,393,722	3,938,049	3,809,594	5,041,838
do. coke	3,048,096	3,168,959	2,977,215	3,068,752	3,597,422	3,660,885
do. briquettes	5,509	2,083	9,295	34,525	45,028	74,599
Brown coal	1,171	136	1,914	1,461	392	415
do. do. coke	7,362	86	132	117	130	232
do. do. briquettes	242,938	216,334	207,797	228,175	243,552	232,906
Tar	34,174	10,937	20,341	14,961	12,065	13,900
Naphthalene	4,144	4,553	6,303	6,223	7,663	4,524
Carbolic acid and cresol	406	429	754	1,666	1,475	1,346
Distillates	330	407	922	3,206	8,594	12,855
Pitch	80,226	90,539	51,721	68,996	46,115	72,667
Denmark—						
Coal	4,478,486	4,025,661	4,148,703	4,311,339	5,015,661	3,279,541
Coke	1,037,681	1,594,416	1,610,507	1,782,178	1,986,741	2,074,617
Briquettes	20,896	83,514	14,369	18,625	25,038	24,234
Brown coal briquettes	104,503	221,576	113,828	190,488	231,534	176,929
Tar	10	43	32	601	—	8
Pitch	264	167	262	192	139	150
Naphthalene	425	626	455	829	854	755
Cresol	380	285	355	956	1,020	962
Carbolineum	5	4	5	4	2	8
Benzol	977	896	1,237	1,375	1,362	3,477
Toluol	1,090	954	1,561	1,845	2,038	2,777
Carbolic acid	368	135	103	323	433	384
Faroe Islands—						
Coal	9,379	5,914	6,920	7,175	7,136	(a)
Finland—						
Anthracite	46,378	12,849	120,567	95,320	132,111	160,492
Other coal	1,959,966	2,206,097	1,675,007	1,670,143	2,043,644	1,963,870
Coke	339,783	341,362	198,031	472,157	424,343	507,118
Tar	1,084	4,095	3,140	501	512	—
Carbolic acid, creosote and cresol	4,158	3,684	2,688	6,145	8,045	6,535
Naphthalene	51	44	55	38	32	15
Benzol	192	87	1	2	2	2
Carbolineum	464	206	168	87	—	—
France—						
Anthracite	1,347,206	1,257,824	722,202	1,573,722	1,691,432	2,126,076
Bituminous	8,478,873	9,006,031	6,279,061	6,307,846	6,287,565	11,216,400
Lignite	302	226	—	—	377	1,831
Coke	3,502,508	4,229,711	3,504,521	3,127,826	4,625,563	4,635,600
Coal briquettes	108,158	140,744	282,902	435,120	456,207	472,677
Brown-coal briquettes	448,153	390,834	496,835	465,324	576,813	538,819
Tar and pitch	381,885	466,023	453,679	463,272	395,913	375,466
Naphthalene	68	—	1,524	1,633	1,983	3,773
Carbolic acid	2	354	33	33	2	42
Cresol	248	324	158	105	65	57
Anthracene	176	328	707	2,433	2,072	2,201
Benzol, etc.	2,507	8,396	3,432	23,547	15,887	18,908
Coal-tar oils	1,187	95	388	705	2,009	650

(a) Information not available.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Coal	9,498,417	11,605,594	9,310,007	8,222,897	15,640,814	18,131,033
Brown coal	486,472	586,230	585,233	686,201	890,165	990,743
Coke	200,992	430,798	317,848	361,543	523,523	793,122
Coal briquettes	—	—	—	32,145	106,697	303,966
Brown-coal briquettes..	2,676	19,438	48,579	34,943	26,115	18,886
Tar and pitch	11,750	17,352	30,818	19,865	56,815	143,642
Naphthalene	5,905	484	867	5,320	3,805	3,590
Carbolic acid	2,285	(d) 2,528	7,285	12,310	10,033	9,005
Cresol	(b) 258	(d) 309	882	1,675	4,033	4,884
Light coal-tar oils, etc.	10,435	29,783	37,708	130,565	87,673	74,716
Heavy coal-tar oils, etc.	5,745	2,690	522	2,761	7,553	9,881
Greece—						
Coal	376,040	273,160	264,460	233,502	301,728	214,589
Coke	12,817	14,067	13,640	16,035	16,100	17,201
Naphthalene	835	511	1,036	1,122	105	659
Benzol	66	114	135	140	(a)	(a)
Tar	374	367	315	308	(a)	(a)
Iceland—						
Coal	67,327	59,127	47,450	42,783	60,364	42,017
Coke	708	1,908	1,062	1,307	2,034	3,321
Tar	97	105	42	71	76	102
Italy—						
Anthracite	465,493	590,618	594,523	669,225	1,049,636	1,002,682
Bituminous	9,886,991	8,522,315	8,352,197	8,096,861	8,904,990	9,340,041
Lignite	60,786	49,142	74,098	60,733	31,446	31,082
Coke	44,116	41,260	35,554	48,632	56,663	22,789
Briquettes	92,356	60,604	104,069	168,559	181,054	241,703
Tar and tar oils	400	1,165	3,891	89	1,167	2,632
Benzol	10,369	5,804	7,570	13,632	13,166	14,650
Toluol and xylol	6,401	6,822	5,378	11,906	10,519	15,959
Naphthalene	5,211	7,115	6,453	12,944	18,012	18,429
Carbolic acid, cresol, etc.	1,246	413	777	907	2,249	2,561
Netherlands—						
Coal (c)	4,991,478	5,402,839	5,231,061	7,066,395	7,709,628	8,556,655
Brown coal	—	—	414	76,495	13,086	—
Coke	181,864	189,916	305,153	354,193	428,530	429,761
Briquettes	219,839	287,959	256,238	284,258	482,509	449,439
Brown-coal briquettes..	236,349	228,387	230,756	283,952	306,163	304,923
Tar	8,162	6,048	19,493	13,132	20,322	18,089
Pitch	6,613	7,441	343	5,591	9,883	13,857
Creosote oil	2,206	5,774	5,416	3,630	2,641	2,132
Naphthalene	1,056	1,904	5,687	5,172	3,311	2,605
Carbolic acid etc. .. .	1,640	1,832	4,106	5,921	6,790	10,861
Benzol	97	108	1,821	5,186	171	328
Toluol and xylol	398	17	659	3,098	1,836	1,356
Carbolineum	404	204	262	1,202	1,131	1,028
Solvent naphtha	443	289	548	689	480	841
Norway—						
Coal	1,798,884	1,031,877	(e) 754,861	(e) 608,264	(e) 681,439	(e) 616,279
Coke	190,480	280,097	298,358	299,766	456,902	719,335
Briquettes	(a)	(a)	12,166	5,741	9,195	19,157
Tar and pitch, etc. .. .	10,466	12,368	13,053	13,439	10,239	6,475
Benzol	101	72	102	89	75	128
Toluol and xylol	2,099	1,881	1,692	3,606	3,361	2,982
Pitch coke	1,194	2	306	246	295	2,067
Creosote, etc.	10,347	9,736	8,535	10,632	9,276	5,492

(a) Information not available.

(b) January to September only.

(c) Of which the amounts imported for bunkering purposes were (long tons): 1951, 62,051; 1952, 33,684; 1953, 179,798; 1954, 163,033; 1955, 226,039; 1956, 175,049.

(d) April to December only.

(e) Excluding coal imported from Spitzbergen.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portugal—						
Anthracite	21,873	14,774	16,772	8,677	15,908	12,700
Other coal	563,492	420,127	526,883	429,454	461,305	435,287
Coke	37,004	21,889	22,304	20,020	20,306	19,116
Briquettes	9,717	79	5,262	3,328	6,315	5,078
Tar and pitch	9,746	3,663	5,813	6,576	7,330	8,683
Carbolic acid	2	42	16	32	40	36
Creosote	539	1,253	1,661	881	109	1,504
Carbolineum	610	174	254	7	7	5
Naphthalene	76	110	132	94	98	160
Spain—						
Anthracite	—	276	70	8	985	—
Bituminous	325,133	712,920	769,337	693,065	504,697	324,642
Coke	82,427	131,577	215,849	124,497	109,393	3,518
Briquettes	13,937	50,140	11,758	17,604	—	—
Tar and pitch	69,751	54,526	65,026	59,053	62,450	88,951
Benzol, toluol, xylol, etc.	1,338	2,993	762	549	618	961
Sweden—						
Anthracite	71,934	29,235	44,855	39,018	46,241	73,495
Other coal	5,166,522	4,736,801	3,550,030	2,936,548	3,093,000	2,463,820
Coke	2,481,633	2,580,928	1,982,273	1,874,785	2,473,310	2,789,417
Briquettes	595,978	541,422	171,672	157,404	162,475	104,975
Tar, pitch, etc.	8,624	12,557	5,934	8,853	11,667	10,979
Benzol	230	1,571	1	—	21	27
Toluol and xylol	9,717	7,089	9,601	12,223	8,001	11,427
Other benzol oils	327	267	364	319	757	633
Carbolic acid, etc.	1,202	2,017	2,407	3,480	3,347	4,018
Naphthalene	1,602	3,779	2,565	3,157	3,507	3,487
Switzerland—						
Coal	2,342,328	1,867,741	1,420,311	1,799,584	1,802,640	2,215,745
Lignite	5,204	770	438	901	562	754
Coke	558,599	635,620	592,420	651,264	621,744	717,521
Briquettes	418,336	256,718	294,642	300,155	320,527	336,766
Tar and pitch	66,932	47,101	76,896	84,140	78,024	84,735
Creosote, etc.	3,141	1,345	522	535	2,175	1,462
Naphthalene, etc.	15,464	9,369	13,349	21,789	18,158	21,620
Yugoslavia—						
Anthracite	53,057	69,468	49,925	60,546	67,191	96,487
Other coal	3,703	64,533	391,127	546,436	920,139	1,303,509
Coke	466,981	446,041	230,525	213,772	94,102	42,779
Coke dust	10,365	12,432	6,057	981	21,732	133
Benzol, toluol, etc.	2,240	2,010	1,199	1,395	1,594	2,452
Naphthalene	184	372	353	313	292	433
Algeria—						
Coal	360,666	473,945	225,748	267,312	307,528	296,135
Coke	—	—	986	116	95	111
Briquettes	3,520	2,154	2,186	2,990	3,793	4,083
Tar and pitch	6,289	6,326	4,836	3,477	997	1,417
Benzol, toluol, etc.	215	333	243	417	362	337
Naphthalene	56	75	70	75	95	76
Heavy oils	135	94	123	14	5	(a)
Angola—						
Coal	29,887	36,344	23,260	25,360	29,169	14,155
Coke	3,428	2,467	2,599	2,773	1,618	1,547
Belgian Congo—						
Coal	107,835	183,871	130,365	118,243	166,455	127,507
Coke	52,215	62,747	73,864	74,784	97,101	105,479
Briquettes	23,948	6,238	246	25,008	27,170	46
Benzol, toluol, etc.	(a)	(a)	113	217	135	334
Carbolineum	(a)	(a)	338	348	218	438
Pitch	(a)	(a)	85	103	324	244
Tar	600	621	348	726	305	795

(a) Information not available.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Cameroon (French)— Coal, coke, etc. ..	14,550	23,143	8,811	48	232	568
Canary Islands— Coal (b)	72,928	58,256	45,870	35,442	21,928	(a)
Cape Verde Islands— Coal (b)	26,349	17,193	2,110	6,901	8,317	(a)
Ceuta— Coal (b)	99,535	68,974	111,134	93,574	38,090	(a)
Egypt— Coal	252,252	185,854	69,526	118,162	99,665	(a)
Coke	8,266	7,962	5,637	13,190	9,009	(a)
Briquettes	7,195	6,980	2,302	6,030	591	(a)
Tar and pitch	67	61	5	105	95	(a)
Naphthalene	110	109	117	42	132	(a)
Coal-tar residues	80	7	2	12	10	(a)
Ethiopia— Coal	6,041	3,452	3,233	13,888	11,064	10,644
Naphthalene	340	184	201	152	88	136
French Equatorial Africa— Coal, coke, briquettes ..	3,099	10,302	3,505	1,083	2,981	64
French Somaliland— Coal	17,300	10,895	10,574	—	709	305
French Togoland— Coal and briquettes ..	964	752	393	855	41	107
French West Africa— Coal	86,413	155,332	21,428	15,961	167	3,179
Briquettes	135,427		30,955	44,321	28,815	31,900
Coke	4,429		—	845	684	838
Madagascar— Coal	18,209	40,191	8,973	13,333	5,150	541
Coke	30	41	126	2,012	74	29
Briquettes	7,428	9,615	8,584	3,008	4,295	3,245
Tar and pitch	120	94	163	153	139	128
Melilla— Coal	15,694	23,235	17,558	16,991	17,073	(a)
Morocco (Southern)— Coal	77,900	88,956	111,996	122,670	99,208	88,249
Coke	3,193	5,693	6,231	7,950	12,268	4,319
Tar	(a)	6,760	4,818	3,337	6,147	3,543
Pitch	(a)	1,147	1,043	947	1,212	1,143
Morocco (Northern)— Anthracite	1,389	3,954	2,592	2,929	4,043	(a)
Other coal	6,705	7,224	5,328	4,388	4,398	(a)
Coke	21	12	500	431	384	(a)
Mozambique— Coal	209,957	221,409	206,252	221,661	238,392	257,005
Coke	512	464	479	627	774	573
Tar, pitch and asphalt ..	2,296	2,810	1,712	3,451	3,176	3,893
Naphthalene	6	1	6	13	1	16
Reunion— Coal and briquettes ..	10,031	16,380	118	5,359	344	193
Sudan— Coal	59,174	45,552	66,764	27,774	46,396	27,055
Coke	410	2,125	490	(c) 15	2,594	(a)
Tar	7	35	19	—	10	(a)
Tar oils	368	928	620	495	701	(a)
Tunis— Coal	200,824	165,050	71,666	59,226	36,358	33,902
Coke	10,322	(a)	10,713	11,121	9,425	13,239
Briquettes	—	(a)	874	(a)	(a)	
Tar and pitch	2,273	(a)	31	765	756	

(a) Information not available.

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

(c) Excess of re-exports.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Cuba (b)—						
Coal	55,980	19,235	41,942	35,543	31,884	(a)
Coke	7,441	18,967	2,215	20,155	46,797	(a)
Creosote oil	144	126	158	149	138	(a)
Tar and pitch	121	235	147	87	99	(a)
Dominican Republic (b)—						
Coal, coke, briquettes, etc.	400	396	214	1,457	510	938
French West Indies—						
Guadeloupe—						
Coal	2,358	2,925	52	1,263	8	1,160
Martinique—						
Coal	2,591	2,960	2,054	27	1,706	848
Greenland—						
Coal	(a)	(a)	(a)	10,848	16,906	(a)
Guatemala (b)—						
Coal	136	106	202	272	167	124
Coke	162	203	597	160	65	107
Mexico (total imports)—						
Coal	976	26,097	35,071	51,625	40,797	53,098
Coke	13,540	18,564	6,841	14,265	10,098	4,608
Tar and pitch	76	156	212	309	228	260
Benzol, etc.	877	1,404	1,330	1,977	3,454	4,346
Creosote	213	158	2,181	4,136	405	475
Netherlands West Indies—						
Benzol	(a)	(a)	(a)	10,272	10,515	4,911
Nicaragua (b)—						
Coal	—	—	—	4	15	19
Coke	121	92	64	33	89	47
Panama Republic (b)—						
Coal	209	210	128	92	257	(a)
Salvador—						
Coal	210	150	121	191	2,358	127
Coke			112	195	161	285
St. Pierre and Miquelon—						
Coal	6,606	11,668	9,725	10,555	9,429	9,133
United States—						
Anthracite	23,939	26,223	28,074	5,206	152	41
Bituminous	193,138	173,136	155,657	112,734	206,301	226,546
Lignite	1,282	574	462	1,069	79	80
Slack and culm	65,879	60,434	46,471	63,696	94,645	90,964
Coke	144,321	279,035	140,463	103,376	112,805	116,924
Briquettes	110	150	87	213	—	284
Tar and pitch	14,164	14,601	13,746	60,651	75,006	53,679
Benzol	228,285	145,694	68,592	41,622	106,850	231,875
Cresylic acid	15,518	4,655	8,944	5,160	11,076	11,927
Creosote oil	196,271	265,451	214,216	156,765	127,415	156,479
Naphthalene	34,359	41,346	37,813	30,386	54,719	35,481
Carbolic acid	34	61	121	22	9	1
Argentina—						
Coal	2,167,638	1,712,803	1,165,222	1,482,373	1,158,648	1,330,120
Coke	50,195	42,850	43,588	45,012	95,706	151,756
Tar and pitch		301	38	148	159	117
Benzol		1,800	1,700	1,551	1,596	1,634
Naphthalene	(a)	28	400	3,243	2,429	2,069
Carbolic acid		981	868	2,818	3,128	6,624
Creolin		—	20	57	—	—
Heavy coal-tar oils		212	1,004	1,953	906	5
Bolivia—						
Coal and coke	12,303	11,569	4,723	8,879	4,293	(a)

(a) Information not available.

(b) Total imports.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Brazil (b)—						
Coal	989,493	870,589	730,135	760,308	1,102,676	869,340
Coke	53,218	30,323	3,973	34,678	5,033	—
Briquettes	11,031	38,899	(a)	(a)	—	—
Carbolic acid	265	537	341	1,097	794	1,409
Benzol, toluol, etc.	1,252	500	455	2,141	609	2,001
Naphthalene	15	4	—	24	—	—
Chile—						
Anthracite	2	174,205	196,847	248,518	136,438	(a)
Other coal	193,843					
Coke	1,960	1,367	603	—	984	(a)
Carbolic acid and cresol	1,513	1,199	1,217	518	1,612	(a)
Tar and pitch	2,218	8,322	10,514	5,692	4,739	(a)
Colombia (total imports)						
Coal	1,426	397	209	314	384	80
Coke	—	16	4	49	11	—
Tar	26	8	110	6	5	—
Benzol, toluol, etc.	157	148	102	334	481	255
Creosote oil	13	7	3	4	4	4
Carbolic acid	36	41	6	9	27	15
Naphthalene	54	4	2	1	4	—
Dutch Guiana—						
Coal	228	2,926	4,002	120	2,427	13
Peru—						
Coal	3,327	3,326	72	10	5	67
Coke	963	984	874	189	1,082	834
Tar	12	5	2	9	19	89
Naphthalene	8	9	70	33	20	44
Uruguay—						
Coal	136,958	114,567	79,776	83,434	90,332	99,092
Coke	3,363	3,799	2,445	4,849	1,552	3,152
Naphthalene	—	1	64	(a)	(a)	(a)
Venezuela (total imports)						
Coal	694	716	476	683	890	1,233
Naphthalene	(a)	36	23	32	(a)	27
Burma (b)—						
Coal	(a)	(a)	242,027	258,849	189,882	236,532
Coke	(a)	(a)	4,707	10,267	9,209	13,184
Formosa—						
Coke	1,817	1,338	11,709	6,798	3,371	3,562
Tar and pitch	1,258	1,739	2,198	2,949	2,229	2,547
French India—						
Coal	8,077	6,041	(a)	(a)	(a)	(a)
Indo-China—						
Coal	10,457	18,590	5,575	11,149	(a)	(a)
Indonesia—						
Coal	34,804	58,207	51,669	35,929	33,009	42,423
Coke	6,580	2,989	4,046	2,133	214	827
Tar	1,090	894	1,121	785	134	425
Iraq—						
Coal	1,782	2,342	1,158	798	2,295	(a)
Coke	883	379	477	300	895	(a)
Tar and pitch	10,925	9,788	8,694	2,352	1,161	(a)
Israel—						
Anthracite	13,004	24,555	22,613	29,217	17,350	26,320
Other coal	7,801	2,043	991	2,519	1,882	897
Coke	2,661	2,534	4,691	4,068	—	—

(a) Information not available.

(b) Total imports.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Japan—						
Anthracite	140,890	187,756	408,243	362,405	363,175	457,158
Other coal	1,763,465	3,114,615	4,434,705	3,188,502	2,553,548	3,303,660
Tar and pitch	50	—	39	58	288	43
Benzol	73	—	27	6	1,563	12,138
Toluol	246	—	1,242	2,227	127	2,711
Naphthalene	98	—	446	3,559	2,163	8,402
Carbolic acid	—	—	771	976	6	—
Cresol	398	248	2,601	2,484	272	2,315
Korea—						
Coal	741,206	744,257	668,571	886,967	1,048,417	957,623
Lebanon—						
Coal	—	2,810	—	4,859	861	2,558
Coke	1,116	693	2,531	1,727	2,263	1,762
Briquettes	286	3,642	2,165	197	5,897	7,744
Naphthalene	3	32	39	55	43	82
Philippine Republic—						
Coal	10	58	10	—	—	136
Coke	4,524	2,742	4,843	4,055	6,090	7,573
Tar	339	144	75	448	376	288
Creosote	1,562	822	1,338	1,311	1,120	(a)
Portuguese India—						
Coal	12,197	16,222	(a)	14,003	(a)	(a)
Coke	478	456	(a)	112	(a)	(a)
Siam (total imports)—						
Coal	(a)	(a)	40,685	82,785	36,809	9,100
Coke	(a)	(a)	2,150	3,416	815	1,071
Tar	(a)	(a)	169	147	70	45
Syria—						
Coal	136	685	1,597	2,542	1,949	1,385
Coke	466	874	1,297	1,223	717	(a)
Briquettes	73	2,135	2,018	2,018	1,618	2,617
Turkey—						
Cresol and naphthalene	44	114	79	30	9	(a)
Toluol and xylol	150	581	481	470	201	(a)
French Oceania—						
Coal	3,410	5,307	3,649	1,968	1,772	984
New Caledonia—						
Coal	87,197	156,837	127,475	169,799	163,461	264,048

(a) Information not available.

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

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Northern Rhodesia <i>(d)</i> ..	13,985	9,901	16,828	21,423	13,237	20,262
Canada <i>(b)</i>	8,496	12,696	14,308	20,116	29,631	32,910
Australia <i>(c)</i>	165	214	211	228	232	250
FOREIGN COUNTRIES						
Belgian Congo	112,494	134,462	162,945	169,461	168,634	178,909
Morocco (Southern) ..	14,251	19,782	11,850	14,530	14,880	12,640
Mexico	35	316	—	—	—	—
United States	8,059	12,172	11,240	17,826	23,292	32,081
TOTAL	157,485	189,543	217,382	243,584	249,906	277,052

Complex ores containing cobalt are known to have been produced in Finland, Greece, Norway, Spain, Sweden, China and Korea, but figures of cobalt content 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.

(d) Including estimated cobalt content in cobalt alloy.

EXPORTS OF COBALT, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Cobalt	679	311	379	843	468	610
Other cobalt and alloys	170	342	(a)	(a)	(a)	(a)
Cobalt oxide	421	1,547	3,046	3,024	5,090	4,971
Other compounds	7,940	6,939	6,471	7,051	8,145	8,075
Northern Rhodesia—						
Cobalt	—	536	5,536	11,250	8,893	14,482
Cobalt alloy	34,589	26,589	22,357	24,304	10,625	7,679
Canada—						
Cobalt ore (Co content)	315	—	331	29	—	143
Cobalt	1,717	2,817	6,869	10,170	13,777	12,794
Cobalt alloys	7	183	106	44	110	101
Cobalt oxides and salts	5,888	7,018	8,326	7,466	14,645	11,510
Hong Kong (including re-exports)—						
Cobalt oxide	(a)	(a)	(a)	9	425	90
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Cobalt (b)	27,814	33,603	36,561	26,878	33,922	21,552
Finland—						
Cobalt ore	80	—	—	—	—	—
France—						
Matte and speiss	94	175	2	—	—	—
Ingots and scrap	543	654	1,028	772	148	384
Cobalt salts	356	215	89	85	89	18
Sweden—						
Cobalt	—	—	39	20	—	138
Belgian Congo—						
Cobalt	49,950	66,415	91,332	99,445	98,731	88,975
Cobalt-copper ingots	139,813	162,079	173,101	158,579	147,534	194,603
Morocco (Southern)—						
Cobalt ore	137,100	146,312	103,346	173,997	144,450	106,266
United States—						
Cobalt ore, alloys and scrap	92	22,641	3,373	27,384	34,073	27,010

(a) Information not available.

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

IMPORTS OF COBALT, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Rondels, pellets and squares	5,587	9,264	7,740	27,009	18,597	14,677
Other kinds, including alloys	25,507	20,758	23,432	23,853	4,489	2,679
Cobalt oxide	8,305	10,371	11,806	7,729	15,868	11,821
Other compounds	453	4	(a)	(a)	(a)	(a)
Canada—						
Ore	32,927	133,423	38,286	93	338	17
Cobalt oxide	—	—	254	62	71	102
Hong Kong (total imports)—						
Cobalt oxide	(a)	(a)	419	420	1,690	716
Australia (b)—						
Cobalt ores, etc.	(a)	(a)	53	90	(a)	(a)
Cobalt ingots, etc.	(a)	—	171	159	423	678
Cobalt oxide	(a)	(a)	52	95	209	418
Cobalt salts	551	1,177	344	743	545	1,109
New Zealand—						
Cobalt salts	4,138	4,578	1,481	3,073	5,194	4,837
FOREIGN COUNTRIES						
France—						
Cobalt ore	79,882	106,048	60,442	79,605	102,060	93,464
Matte and speiss	2	6	—	4	2	—
Ingots and scrap	18	230	167	348	433	1,478
Cobalt oxide	167	203	108	431	740	1,094
Cobalt chloride	21	60	—	—	—	—
Germany (Federal)—						
Cobalt ore	(a)	77	2,457	392	5,372	923
Italy—						
Metal and alloys, crude and scrap	423	1,783	1,380	1,766	1,272	1,951
Cobalt oxide (d)	526	1,228	1,358	1,063	1,502	1,553
Portugal—						
Cobalt oxide	5	105	32	55	61	4
Sweden—						
Cobalt	1,791	2,491	728	1,299	2,953	2,205
Yugoslavia—						
Cobalt	(a)	(a)	20	51	39	77
United States—						
Cobalt ore (c)	41,258	56,506	50,847	49,033	50,430	42,718
Co content	17,364	25,523	22,001	21,105	22,005	18,029
Cobalt metal	72,494	107,276	128,856	127,035	138,706	115,842
Cobalt oxide	3,898	3,455	5,447	3,843	9,580	7,085
Cobalt salts	28	116	2,440	3,153	3,229	3,551
Argentina—						
Cobalt	(a)	638	441	3,116	1,744	256
Brazil (total imports)—						
Cobalt oxide	3	220	118	849	223	475
Japan—						
Cobalt ore	758	(a)	(a)	197	—	79
Ingots, slabs and grains	244	3,453	4,657	4,421	3,078	9,403
Cobalt oxide	343	(a)	1,466	1,258	1,995	2,801
Turkey—						
Cobalt salts	4	4	32	24	7	(a)

(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.

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

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain	27	16	11	16	16	9
Kenya (exports)	100	306	531	—	—	(f) 600
Northern Rhodesia (d) ..	314,329	324,275	366,795	391,704	352,956	397,370
Southern Rhodesia	94	107	450	296	1,060	1,725
South West Africa	12,417	13,970	12,047	14,004	21,038	30,449
Tanganyika	135	252	485	368	580	1,140
Union of South Africa .. .	33,198	34,558	35,575	41,641	43,963	45,762
Canada (d)	241,046	230,039	226,118	270,296	291,066	315,440
Cyprus (e)	22,451	26,396	21,372	26,838	23,374	35,265
India	7,580	6,670	5,206	7,722	7,880	8,208
Australia	16,607	20,088	36,495	40,857	45,496	53,041
New Zealand	19	—	—	—	—	—
TOTAL	648,000	656,700	705,100	793,700	787,400	889,000
FOREIGN COUNTRIES						
Austria	1,813	2,710	3,080	3,068	2,654	6,961
Finland (d)	18,018	18,386	18,477	19,921	21,165	20,713
France (d)	51	44	16	—	26	17
Germany—						
Federal Republic	1,643	2,320	2,020	2,323	1,192	962
East (b)	8,400	11,000	15,600	20,400	23,000	25,000
Italy	390	400	440	870	590	770
Norway	13,782	13,417	12,823	13,374	13,767	13,779
Portugal	2,963	2,720	(c) 737	(c) 424	(c) 537	(c) 881
Spain (b)	13,000	17,000	14,000	16,000	16,000	17,000
Sweden	14,219	13,554	13,325	13,004	15,424	16,461
U.S.S.R. (estimated) .. .	285,000	329,000	340,000	355,000	400,000	425,000
Yugoslavia	35,382	36,386	34,759	31,642	28,659	31,328
Angola	1,140	1,112	1,451	1,499	963	1,444
Belgian Congo (smelter) ..	188,927	202,499	210,734	220,257	231,394	246,016
French West Africa	—	—	—	81	136	79
Morocco (Southern)	28	797	1,129	750	735	724
Cuba	20,873	17,059	15,184	15,571	17,417	14,327
Mexico (d)	66,287	57,540	59,198	53,940	53,812	82,528
United States (d)	828,866	826,229	827,186	745,957	891,580	982,417
Bolivia (exports)	4,769	4,629	4,393	3,064	3,442	4,373
Chile (d)	373,729	402,179	357,400	368,093	438,859	494,851
Ecuador	—	—	2	—	15	—
Peru	31,794	30,687	34,842	37,818	42,718	45,618
Japan	42,085	52,706	57,953	65,228	71,845	77,230
Formosa	(a)	193	752	843	1,311	(a)
Korea (South) (b)	50	500	500	350	600	700
Philippine Republic	12,511	13,032	12,514	14,122	17,185	26,537
Turkey (smelter)	12,889	22,962	26,913	24,815	23,423	24,272
TOTAL	1,980,000	2,070,000	2,070,000	2,030,000	2,320,000	2,560,000
WORLD'S TOTAL .. .	2,630,000	2,730,000	2,770,000	2,820,000	3,110,000	3,450,000

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): 1951—17,100; 1952—18,000; 1953—15,500; 1954—18,900; 1955—22,200; 1956—26,300.

(f) Copper content of cement copper.

METAL PRODUCTION OF COPPER

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Northern Rhodesia ..	309,159	312,409	362,656	378,656	342,200	383,484
Union of South Africa ..	32,403	33,663	34,443	40,314	42,641	43,466
Canada (b)	210,746	199,458	184,686	229,609	253,178	273,716
India	7,083	6,079	4,920	7,161	7,281	7,628
Australia	15,241	20,008	34,159	38,047	37,439	49,742
TOTAL	574,632	571,617	620,864	693,787	682,739	758,036
FOREIGN COUNTRIES						
Austria (c)	6,348	6,336	8,453	8,908	9,571	10,535
Finland	21,146	22,342	23,153	22,214	21,949	22,113
Germany—						
Federal Republic ..	51,700	41,700	47,400	49,400	51,900	54,500
East	15,000	16,000	21,000	25,000	27,000	30,000
Italy	138	1,154	143	125	914	(a)
Norway	8,519	9,851	11,913	12,687	13,520	14,896
Portugal	19	—	—	—	—	—
Spain	6,260	6,803	6,118	5,693	5,783	6,200
Sweden	13,784	13,220	17,077	16,355	18,089	16,672
U.S.S.R. (estimated) (d)	285,000	329,000	340,000	355,000	400,000	425,000
Yugoslavia	31,505	32,301	30,697	29,817	27,814	28,920
Angola	1,082	972	1,105	1,705	769	1,273
Belgian Congo	188,927	202,499	210,734	220,257	231,394	245,016
Mexico	56,549	47,928	49,369	41,151	42,585	46,508
United States (e) ..	925,563	914,662	935,529	844,553	987,970	1,099,421
Chile	354,412	376,730	331,916	332,976	399,898	451,972
Peru	23,932	20,214	23,038	26,052	31,127	30,588
China (f)	6,000	6,000	8,000	8,000	9,000	10,000
Formosa	496	815	563	880	1,156	1,481
Japan (g)	43,155	48,531	62,609	63,707	79,760	91,019
Korea (South)	18	34	196	236	322	894
Turkey	(h) 17,249	22,962	26,913	24,815	23,423	24,372
TOTAL	2,055,000	2,125,000	2,150,000	2,090,000	2,380,000	2,610,000
WORLD'S TOTAL	2,630,000	2,697,000	2,771,000	2,784,000	3,060,000	3,370,000

(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): 1951—832,395; 1952—806,426; 1953—855,771; 1954—749,917; 1955—856,000; 1956—830,950.

(f) Estimated.

(g) In addition, secondary metal was recovered as follows (long tons): 1951—46,356; 1952—44,380; 1953—27,011; 1954—41,102; 1955—31,767; 1956—33,144.

(h) Revised.

EXPORTS OF COPPER, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Bars and ingots	3,174	7,034	20,735	20,090	15,393	32,091
Scrap	678	2,808	824	—	5	433
Plates, sheets, etc. .. .	9,255	8,182	6,981	8,533	8,532	7,158
Rods and wire	8,811	7,100	7,892	23,555	40,405	69,266
Tubes	4,848	4,383	3,747	5,161	6,643	10,517
Sulphate	40,104	41,944	45,255	39,193	39,171	47,811
Kenya—						
Concentrates	524	1,614	3,002	—	—	—
Northern Rhodesia—						
Ore and concentrates .. .	—	6,037	—	(c) 1,429	(c) 4,919	(c) 6,604
Blister	186,886	229,591	227,470	(c) 205,655	(c) 172,898	(c) 152,596
Electrolytic	103,847	109,754	144,581	(c) 178,595	(c) 168,905	(c) 215,083
Southern Rhodesia—						
Ore and concentrates .. .	(a)	46	493	(d)	(d)	(d)
South West Africa—						
Copper-lead ore (Cu content) (b)	11,272	14,554	12,284	12,301	21,038	30,559
Tanganyika—						
Lead concentrates (Cu content)	135	251	485	368	580	(a)
Union of South Africa—						
Copper-gold concentrates (Cu content)	21	32	30	154	137	503
Copper matte (Cu content)	680	877	928	1,209	834	1,130
Ingots, bars and blocks .. .	29,078	31,726	31,515	40,860	38,606	39,039
Canada—						
Ore, matte, etc. (Cu content)	32,904	30,748	45,677	42,332	37,112	36,602
Ingots, etc.	90,921	101,496	117,852	139,402	136,785	156,111
Scrap, slag, etc.	887	1,550	9,507	9,755	16,333	13,030
Rods, sheets and strips .. .	11,088	16,631	5,150	7,186	14,995	8,869
Tubes	779	3,750	971	1,526	2,113	1,770
Wire	(£495,707)	(£2,058,254)	(£704,916)	(£321,800)	(£656,177)	(£706,484)
Cyprus—						
Concentrates, cement copper and cupreous pyrites (Cu content) .. .	22,451	26,396	21,372	26,838	23,374	35,265
Hong Kong (including re-exports)—						
Crude and refined, unwrought (incl. alloyed) .. .	5,195	21	—	—	8	—
Scrap	—	267	179	627	1,392	1,434
Bars, sheets, tubes and wire (incl. alloyed) .. .	237	14	40	25	112	36
India—						
Ingots, etc.	164	2,013	345	136	483	214
Malaya (including re-exports)—						
Ore	—	—	—	—	—	1,351
Ingots, sheets, wire, etc. .. .	85	137	117	93	57	51
Sulphate	(a)	(a)	28	3	6	19

(a) Information not available.

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

(c) Federation of Rhodesia and Nyasaland.

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

EXPORTS OF COPPER, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Australia (b)—						
Ore, etc. (<i>Cu content</i>) ..	998	613	1,422	991	4,404	3,949
Matte	—	2,001	—	—	—	960
Blocks and ingots ..	2	10	3,630	12,787	5,123	15,112
Scrap	56	65	207	553	5	2
Bars, sheets, tubes, etc.	104	33	236	1,241	548	1,465
Wire	15	29	99	801	154	51
Fiji—						
Ore	—	—	—	—	—	597
New Zealand—						
Scrap	—	3	140	368	867	1,892
Irish Republic—						
Scrap	717	1,339	1,338	1,662	1,716	1,550
FOREIGN COUNTRIES						
Austria—						
Ore	1,978	—	—	1,339	—	2
Rough copper	1,394	843	1,422	687	1,290	1,418
Scrap	32	3	6	2	114	135
Bars, sheets and wire ..	49	74	34	48	165	430
Sulphate	38	99	451	331	530	1,030
Belgium-Luxemburg						
E.U.—						
Rough copper	104,000	120,046	128,978	125,015	122,485	133,648
Scrap	2,812	993	940	954	1,102	614
Bars, sheets, wire, etc.	22,226	17,944	16,292	20,904	22,809	22,963
Tubes and pipes	1,637	1,928	1,949	2,951	3,168	3,721
Sulphate	19,856	25,211	13,810	20,422	14,806	17,618
Denmark—						
Rough copper	378	1,351	721	521	303	436
Scrap and alloyed	1,534	1,762	2,506	2,239	2,950	3,013
Bars, sheets, wire, etc. ..	15	52	169	135	620	1,556
Finland—						
Rough copper and scrap	4,203	1,698	2,373	1,420	1,284	1,314
Sheets and wire	860	670	1,281	2,861	1,563	1,498
France—						
Ore	167	—	—	31	—	—
Unwrought	2,836	34	84	1,678	115	647
Scrap	563	106	1,260	986	622	403
Bars and wire	3,502	1,288	1,276	3,948	3,732	2,181
Plates and sheets	1,435	543	785	910	819	696
Tubes and pipes	597	369	439	544	570	965
Sulphate	8,835	2,327	6,803	5,606	9,942	5,494
Germany (Federal)—						
Ore	295	—	12,594	—	—	2,485
Rough and refined						
copper	35,209	55,621	47,297	40,852	47,197	49,743
Scrap	1,043	455	1,366	450	1,394	1,280
Bars, sheets, wire, etc. ..	4,997	11,192	10,103	15,785	24,448	42,077
Sulphate	(c) 692	2,126	2,957	4,643	4,490	3,929
Greece—						
Ore	—	—	—	89	(a)	(a)
Italy—						
Ore	668	19	—	—	—	—
Ingots and alloys	261	98	324	35	—	1
Scrap	2	45	—	1	1	1
Bars, sheets, wire, etc.						
and alloys	1,368	1,173	374	488	1,551	1,666
Sulphate	3	5	—	2,000	2,577	3,925

(a) Information not available.

(c) Including ferrous sulphate.

(b) Years ended June 30 of that stated.

EXPORTS OF COPPER, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Netherlands—						
Ingots and bars	326	1,296	288	218	700	771
Scrap	15,701	11,924	12,085	9,217	12,971	12,384
Sheets, tubes and wire	175	1,811	5,663	14,559	9,984	3,564
Sulphate	92	4	40	17	10	27
Norway—						
Ore	11,259	7,114	9,414	11,688	12,358	14,704
Matte	13,571	15,202	14,008	11,694	12,582	13,842
Burnt cupreous pyrites	2,756	5,780	2,358	5,000	7,362	17,146
Rough copper	6,432	7,505	10,850	12,024	12,560	14,393
Scrap, including alloyed	1,756	2,044	2,282	2,515	3,665	2,680
Portugal—						
Rough copper, sheets, etc.	23	12	7	17	296	967
Sulphate	153	90	17	18	109	80
Spain—						
Ingots, bars and alloyed	9	119	—	—	—	13
Sheets, tubes, wire and alloyed	28	129	—	—	—	1
Sulphate	432	187	508	—	—	—
Sweden—						
Rough copper	5,115	11,724	15,455	18,136	13,884	14,115
Scrap	425	117	2,594	623	1,812	1,626
Sheets, tubes, wire, etc.	12,137	13,477	15,952	21,324	21,640	18,416
Sulphate	67	3	—	1	2	—
Switzerland—						
Ore, filings and turnings	2,385	1,421	1,207	1,406	1,234	1,749
Bars, ingots, etc.	191	933	1,894	924	1,368	1,095
Scrap	162	84	506	434	389	493
Sheets, tubes, wire, etc. including alloyed	2,361	4,123	9,192	9,770	7,484	8,471
Yugoslavia—						
Blister	7,672	5,262	9	—	—	—
Electrolytic	4,782	12,454	14,487	10,845	6,145	1,253
Scrap	203	255	101	—	—	—
Rods, sheets, tubes, etc.	(a)	(a)	218	598	3,077	1,405
Sulphate	881	7,899	4,516	1,534	888	672
Algeria—						
Ore	169	242	128	921	943	—
Bars, sheets and wire	1,002	1,463	538	1,382	1,802	1,106
Scrap	226	76	428	613	260	175
Sulphate	6	—	44	69	—	1
Angola—						
Ore	—	—	52	—	—	5
Ingots	1,125	1,268	1,416	1,669	1,158	1,473
Belgian Congo—						
Blister	79,223	88,446	103,023	111,151	116,357	126,078
Refined	101,583	113,108	100,822	112,033	111,272	123,594
Copper-cobalt ingots	6,991	8,104	8,655	7,929	7,376	9,730
Egypt—						
Rough copper and scrap	83	116	—	152	84	(a)
French West Africa—						
Ore	—	—	—	—	787	433
Morocco (Southern)—						
Ore	404	1,827	4,038	3,699	2,680	1,790
Old and scrap	(a)	272	103	203	445	314
Cuba—						
Ore	66,067	50,627	87,319	87,577	64,261	60,591
Scrap	128	112	105	663	1,108	(a)

(a) Information not available.

EXPORTS OF COPPER, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Mexico—						
Ore, concentrates, etc.	26,122	25,884	38,940	42,296	36,824	39,014
Rough copper	44,976	50,957	49,860	41,617	44,910	45,338
<i>Cu content (b)</i>	51,529	33,071	37,570	29,798	26,178	23,803
United States—						
Ores, matte, blister, etc. (<i>Cu content</i>)	209	577	442	2,115	6,828	12,248
Refined ingots, etc. ..	119,022	155,476	97,838	192,813	178,410	198,801
Scrap	6,876	7,983	30,864	67,632	27,801	22,929
Sheets, rods, wire, etc. . .	8,103	8,619	8,930	4,636	6,893	10,542
Pipes and tubes	1,928	2,313	1,448	1,070	1,153	1,384
Sulphate	38,508	38,768	29,159	26,574	33,377	26,943
Bolivia—						
Ore, etc. (<i>Cu content</i>) ..	4,769	4,629	4,393	3,064	3,442	4,373
Chile—						
Ores and concentrates ..	21,055	28,213	32,574	28,049	26,672	(a)
Precipitate	1,781	2,011	751	1,673	1,673	(a)
Ingots—						
Blister	57,660	70,975	126,784	153,700	172,600	(a)
Refined	126,410	145,697	93,747	79,700	101,300	(a)
Electrolytic	119,818	130,630	68,900	112,000	105,700	(a)
Bars and sheets	10,038	10,900	6,049	4,430	9,054	(a)
Wire	18,861	12,601	6,336	7,195	13,466	(a)
Sulphate	547	984	399	181	523	(a)
<i>Cu content (c)</i>	314,385	359,087	313,692	369,304	405,626	(a)
Ecuador—						
Concentrates	—	—	—	—	—	(a)
Peru—						
Ore (<i>Cu content</i>)	8,490	10,206	9,240	10,504	9,325	11,985
Matte, etc. (<i>do.</i>)	221	339	392	367	441	575
Bars, etc. (<i>do.</i>)	24,325	21,008	21,247	25,633	30,357	30,353
Precipitate (<i>do.</i>)	193	430	480	406	517	488
Formosa—						
Ore	(a)	(a)	4,132	3,884	7,431	8,657
Japan—						
Ingots and blocks	6,471	382	1,782	6,356	11,833	2,767
Bars, rods and tubes ..	4,122	3,047	1,534	4,392	6,179	1,154
Plates, sheets and wire	13,590	16,620	1,379	14,666	17,814	761
Scrap	—	455	—	—	—	—
Sulphate	—	108	299	105	818	11
Philippine Republic—						
Ore and concentrates ..	105	9,097	8,756	1,330	24,668	87,524
Copper-gold-silver concentrates ..	66,316	65,506	62,015	59,872	64,183	48,329
Scrap	10,485	59	184	157	39	241
Turkey—						
Ore	(a)	—	4,819	3,937	3,665	(a)
Ingots	7,413	16,404	17,418	11,521	11,864	18,892

(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.

IMPORTS OF COPPER, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Bars, ingots, etc.—						
Electrolytic	219,166	207,214	211,138	244,323	244,611	242,880
Other refined	5,532	4,832	6,828	16,972	30,555	34,099
Blister	130,931	170,572	100,124	117,636	121,354	106,290
Scrap	1,113	1,814	1,180	9,363	13,424	1,414
Plates, sheets, etc.	13	31	13	51	476	43
Rods	—	271	6	2	1,930	1,875
Tubes	8	61	10	10	13	75
Wire	42	286	37	36	7	13
Ghana—						
Rods, sheets, tubes, etc., incl. alloys	(a)	(a)	(a)	330	263	382
Wire	(a)	(a)	(a)	71	70	299
Kenya—						
Crude, refined, alloys and scrap	(b) 202	(b) 222	(b) 248	75	279	52
Bars, sheets, tubes and wire	79	123	1,006	21	205	281
Sulphate	92	137	5	4	43	13
Mauritius—						
Bars, rods, sheets, wire, etc.	(b) 13	87	79	29	57	37
Nigeria—						
Rods, sheets, tubes, etc. incl. alloys	(a)	(a)	(a)	213	429	422
Wire	(a)	(a)	(a)	72	141	76
Southern Rhodesia—						
Ingots, bars and rods	624	827	395	(c) 347	(c) 466	(c) 425
South West Africa—						
Bars, sheets, pipes, wire, etc.	402	364	288	90	(d)	(d)
Tanganyika—						
Crude, refined, alloys and scrap	30	2	21	62	33	66
Sheets, tubes, wire, etc.	94	224	228	257	92	197
Sulphate	104	51	44	31	41	69
Uganda—						
Sheets, tubes, wire, etc.	12	5	135	21	22	32
Union of South Africa—						
Bars, ingots and slabs	16,281	19,337	11,266	13,629	(e) 12,738	(e) 17,127
Plates, sheets and tubes	1,046	1,089	706	677	(e) 906	(e) 614
Wire	886	953	843	318	(a)	(a)
Canada—						
Blocks, pigs and ingots	1,349	11,583	4,924	1,521	31	2,269
Scrap	1,129	1,829	8,110	555	2,010	5,596
Bars, sheets, wire, etc.	2,384	1,429	1,881	2,388	2,035	3,374
Sulphate	33	1,372	1,782	949	1,011	921
British West Indies—						
Barbados—						
Bars, sheets, tubes, wire	(£2,847)	(£2,196)	(b) (£619)	(£7,840)	(£21,257)	(£22,347)
Jamaica—						
Sulphate	(a)	(a)	(£124,926)	2,238	3,204	4,523
Trinidad—						
Sulphate	18	16	37	23	57	37
Cyprus—						
Bars, sheets, wire, etc.	180	97	61	104	60	43

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Hong Kong (total imports)—						
Crude and refined, unwrought incl. alloys ..	6,546	171	55	7	21	124
Scrap		271	98	33	135	636
Bars, sheets, tubes and wire incl. alloys ..	249	2,359	1,368	186	276	286
Sulphate	35	—	—	—	—	—
India—						
Ingots, cakes, blocks, etc.	6,819	14,214	12,363	18,618	15,247	29,949
Scrap	1,032	175	246	1,641	419	473
Sheets, tubes, wire, etc.	344	1,602	1,742	157	189	459
Sulphate	1,592	1,531	1,123	1,067	628	1,247
Malaya (total imports)—						
Ingots, sheets, wire, etc.	1,029	1,570	1,582	783	1,134	1,068
Sulphate	(a)	(a)	109	162	197	252
Pakistan (b)—						
Ingots, cakes, blocks, etc.	2	207	49	144	51	20
Scrap	752	686	—	—	24	—
Sheets, tubes, wire, etc.	73	333	51	49	277	1,138
Sulphate	20	45	85	40	41	63
Sarawak—						
Bars, sheets, tubes, wire	20	1	12	61	32	61
Australia (c)—						
Ore and concentrates ..	20	4	46	—	30	28
Blocks and ingots	20,602	22,053	18,360	2,989	28,569	4,691
Scrap	56	40	1	23	(d) 40	2
Rods, sheets and tubes ..	14,755	2,886	3,180	3,110	4,902	2,475
Wire	2,184	836	304	77	96	6
Sulphate	1,367	2,134	96	678	337	311
New Zealand—						
Bars, sheets, pipes, etc.	3,195	3,994	2,943	4,544	4,649	3,990
Wire	914	1,249	632	1,104	913	732
Sulphate	368	1,409	22	460	450	393
Irish Republic—						
Bars, sheets, wire, etc. ..	1,717	2,384	1,440	1,591	1,241	1,077
Sulphate	2,071	2,239	2,481	2,199	1,925	1,932
FOREIGN COUNTRIES						
Austria—						
Ore	—	—	—	—	17	80
Rough copper	4,658	7,840	8,276	14,466	12,591	11,666
Scrap	1,527	911	1,890	1,190	3,382	2,340
Bars, sheets, wire, etc.	3,700	2,390	737	622	574	526
Sulphate	76	1,134	—	—	1	3
Belgium-Luxemburg						
E.U.—						
Ore	6,699	1,201	581	494	2,916	3,257
Matte and rough copper	144,663	167,452	153,131	172,672	179,572	189,888
Scrap	20,660	11,671	12,116	7,484	13,004	11,661
Bars, sheets, wire, etc. ..	596	540	1,794	1,559	1,324	1,156
Tubes	512	478	627	681	554	449
Sulphate	5	6	26	16	23	37
Denmark—						
Rough copper	3,403	3,611	3,822	3,143	4,219	2,647
Scrap, including alloyed	491	317	310	88	202	108
Bars, sheets, wire, etc.	10,137	8,196	8,715	12,198	12,829	9,430
Sulphate	1,220	1,165	1,143	1,856	1,712	1,700

(a) Information not available.

(c) Years ended June 30 of that stated.

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

(d) Excess of re-exports.

IMPORTS OF COPPER, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Finland—						
Rough copper	218	1,468	1,880	2,211	1,323	193
Scrap	200	4	—	—	—	—
Bars, sheets, tubes and wire	1,650	3,924	1,192	642	728	473
Sulphate	71	23	24	49	31	45
France—						
Ore	1	51	—	—	43	2,773
Unwrought—						
Unrefined	12,125	14,295	6,362	8,902	6,034	4,912
Refined	95,609	122,742	89,052	126,690	162,492	162,184
Scrap	849	2,910	823	1,341	1,845	1,558
Bars and wire	262	13,359	271	267	411	240
Sulphate	8,153	18,550	7,757	2,661	5,970	5,726
Germany (Federal)—						
Ore and burnt cupreous pyrites						
Matte	1,080,319	1,190,402	(c) 138,682	(c) 148,995	(c) 156,047	(c) 162,457
Rough copper, including refined	(d) 3,058	20,898	8,255	9,257	11,128	12,694
Scrap	62,147	78,613	95,820	172,434	202,645	211,308
Bars, sheets, wire, etc. (b)	20,848	21,702	37,255	93,076	91,762	54,070
Sulphate	4,888	5,791	304	17,268	15,174	10,817
	(e) 603	852	581	1,914	3,414	381
Greece—						
Rough copper and alloys	279	61	86	319	284	361
Sheets, tubes, alloys, etc.	146	444	560	428	456	510
Sulphate	5,172	1,965	2,038	3,046	6,116	4,805
Iceland—						
Bars, tubes, wire, etc. ..	88	208	296	279	311	196
Italy—						
Ore	—	2,082	—	—	—	—
Ingots and alloys	62,874	62,752	69,687	101,701	87,392	108,231
Scrap	9,063	8,176	8,887	17,922	11,990	11,870
Bars, sheets, wire, etc., and alloys	4,717	3,359	2,184	1,986	997	791
Sulphate	1,965	1,326	8,385	5,739	1,724	1,955
Netherlands—						
Ingots and bars	14,746	12,412	16,711	28,154	25,328	22,385
Scrap	1,898	562	1,469	2,218	3,534	2,587
Sheets, tubes and wire ..	6,761	10,327	11,259	16,186	17,080	18,501
Sulphate	819	412	781	1,072	1,102	970
Norway—						
Rough copper	1,682	2,836	3,452	4,891	4,419	3,858
Copper-nickel matte	20,634	26,119	29,576	34,624	37,111	43,795
Scrap	69	34	34	65	149	158
Sheets and rods	698	772	901	1,347	909	884
Bars, tubes and wire (b)	7,664	8,977	7,823	9,092	8,497	8,658
Sulphate	373	36	112	100	96	306
Portugal—						
Ore and concentrates	—	—	55	—	—	24
Ingots, wire, etc.	3,044	4,099	4,409	5,052	4,646	8,896
Sulphate	1,760	2,378	6,101	5,012	1,364	2,916
Spain—						
Ore	31	78	—	—	—	—
Precipitate and scrap (b)	2,722	4,121	2,063	2,014	3,236	5,854
Ingots and bars (b)	1,553	8,848	7,946	10,844	7,000	17,665
Sheets, tubes and wire (b)	59	733	320	162	151	368
Sulphate	10,788	6,953	1,995	2,755	779	1,637

(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Ore	12,181	36,225	41,029	49,899	31,563	19,617
Rough copper	37,704	43,620	29,855	57,799	49,920	50,919
Scrap	6,323	8,516	5,428	1,633	3,748	1,455
Sheets, rods, wire, etc.	564	1,314	575	1,814	2,075	3,682
Sulphate	519	574	531	356	708	901
Switzerland—						
Ore, filings and turnings	416	23	347	2,729	696	112
Bars, ingots, etc. (b) .. .	24,801	24,926	13,761	28,180	26,292	34,309
Scrap (b)	732	267	42	1,322	1,170	739
Sheets, tubes, wire, etc. (b) .. .	13,677	7,075	3,506	7,754	9,612	8,268
Algeria—						
Rough copper	3,510	4,950	2,363	3,355	3,168	2,978
Scrap	—	1	1	11	57	—
Bars, sheets, wire, etc.	305	291	204	222	162	212
Sulphate	5,958	6,958	4,151	3,652	7,944	5,345
Angola—						
Bars, sheets and wire .. .	107	172	95	245	110	115
Sulphate	9	5	10	20	10	16
Egypt—						
Crude and scrap	2,303	627	166	900	599	(a)
Bars, sheets, tubes, etc.	773	505	924	510	263	(a)
Sulphate	2,247	1,030	1,446	3,150	441	(a)
Morocco (Southern)—						
Bars, sheets and wire .. .	(a)	1,032	1,326	718	671	704
Sulphate	1,272	432	99	220	94	64
Mozambique—						
Bars, sheets, wire and alloys .. .	62	142	141	142	136	434
Tunis—						
Bars, sheets and wire	89	(a)	73	108	183	116
Sulphate	154	(a)	373	1,187	518	564
Costa Rica—						
Bars, sheets and wire .. .	(a)	(a)	351	303	66	60
Sulphate	(a)	(a)	10,931	9,618	14,535	6,523
Cuba (c)—						
Ingots and bars	140	377	129	163	(a)	(a)
Sheets, tubes and wire	1,271	2,717	1,476	1,377	(a)	(a)
Guatemala (c)—						
Sheets and wire	205	191	239	216	246	365
Sulphate and carbonate	7,931	6,952	7,336	5,649	5,543	5,421
Honduras (d)—						
Sulphate	11,202	12,212	13,714	10,005	(a)	(a)
Mexico (c)—						
Ingots	4	11	26	11	63	18
Bars, sheets, alloys, etc.	1,672	845	438	317	273	210
Sulphate	1,513	4,569	804	575	217	146
United States—						
<i>Cu content of—</i>						
Ore and concentrates	87,643	95,717	91,606	108,355	100,463	74,359
Matte, precipitate, etc.	1,929	3,600	5,895	4,838	5,702	5,128
Blister	160,370	154,844	249,354	225,738	226,512	246,504
Refined ingots, bars and plates .. .	219,780	310,123	245,324	192,035	179,986	170,377
Scrap	9,378	4,618	6,989	4,218	11,247	4,831
Sulphate	95	—	—	—	250	584

(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Argentina—						
Ingots, electrolytic ..	(a)	14,668	12,108	12,969	13,988	2,892
Sulphate	(a)	735	—	175	327	1
Brazil (total imports)—						
Electrolytic	19,177	16,877	18,693	34,419	14,174	19,422
Rough	2,303	2,449	653	2,439	509	242
Plates and sheets ..	984	1,197	629	1,833	381	135
Tubes, pipes and wire ..	1,616	2,201	808	3,364	301	83
Sulphate	3,441	2,278	5,225	5,361	2,525	4,697
Colombia (total imports)						
Ingots, sheets, etc. ..	157	228	147	399	244	629
Sulphate	7,523	8,819	4,178	6,254	4,670	7,690
Peru—						
Bars, sheets, etc. ..	536	688	474	267	343	310
Sulphate	399	416	744	558	649	1,549
Uruguay—						
Bars, sheets and alloys ..	259	459	793	(a)	(a)	(a)
Venezuela—						
Sheets	(a)	150	181	173	(a)	150
Sulphate	(a)	157	65	112	(a)	64
Formosa—						
Ingots	—	—	515	717	168	689
Sheets and wire	413	293	69	126	38	143
Indonesia—						
Bars and sheets	274	368	858	3,516	1,381	507
Tubes, pipes and wire ..	1,097	1,039	760	793	639	794
Sulphate	559	135	812	503	598	529
Iran (b)—						
Ingots, bars, sheets and alloys	534	220	942	2,455	(a)	(a)
Iraq—						
Sheets	71	93	205	384	323	(a)
Japan—						
Ore and concentrates ..	1,829	20,014	40,139	28,310	43,941	128,702
Ingots and slabs	(c) 3	(c) 154	555	7,620	40	21,900
Scrap	89	1,181	16,960	37,817	1,841	23,614
Turkey—						
Ingots, bars, and sheets ..	131	222	338	616	171	136
Sulphate	544	971	1,434	1,212	797	1,530

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Ghana (c)	1,752,879	2,189,557	2,180,728	2,135,459	2,258,270	2,539,429
Sierra Leone	474,821	452,618	481,709	400,076	418,077	(d)549,811
Southern Rhodesia	40	48	6	2	—	—
South West Africa	502,983	537,450	610,332	683,560	812,848	987,599
Tanganyika	108,625	143,023	172,304	326,009	325,523	358,717
Union of South Africa	2,228,911	2,383,211	2,717,620	2,858,688	(e)2,628,917	2,585,728
British Guiana	43,260	38,305	35,306	30,073	33,300	29,816
India	1,674	2,054	2,207	1,955	1,787	1,499
Australia (Industrial)	129	49	736	1,564	731	383
TOTAL	5,113,322	5,746,315	6,200,948	6,437,386	(e)6,479,453	7,052,982
FOREIGN COUNTRIES						
Angola—						
Gem diamonds	734,324	436,393	424,351	422,572	441,789	443,280
Industrial do.		306,909	305,025	299,034	301,588	296,755
Belgian Congo—						
Gem diamonds	537,652	594,988	564,072	527,737	628,298	626,969
Industrial do.	10,027,103	11,013,840	12,016,198	12,092,377	12,413,199	13,383,509
French Equatorial Africa	147,791	156,708	140,143	152,528	136,958	145,837
French West Africa	100,980	136,080	179,850	217,650	318,520	389,880
Brazil (b)	250,000	250,000	250,000	250,000	250,000	250,000
Venezuela	63,226	92,291	84,784	96,983	141,147	93,833
TOTAL	11,861,000	12,987,000	13,965,000	14,059,000	14,631,000	15,630,000
WORLD'S TOTAL	16,974,000	18,733,000	20,165,000	20,496,000	(e)21,110,000	22,683,000

* 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:—

	<i>Companies</i>	<i>African diggers</i>
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
1956 ..	1,151,160	1,388,269

(d) Including diamonds produced under the Alluvial Diamond Mining Scheme not previously recorded.

(e) Revised.

PRODUCTION OF DIAMONDS*

(£ sterling)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Ghana (b)	5,930,000	5,921,000	3,677,000	4,277,000	5,452,000	7,948,765
Sierra Leone	1,367,805	1,584,163	1,685,982	1,400,265	1,567,787	(b)2,934,000
Southern Rhodesia	200	478	50	30	—	—
South West Africa	9,586,261	10,494,864	10,861,923	12,987,648	13,809,000	d 18,000,000
Tanganyika (b)	1,313,383	1,731,768	1,784,036	3,070,451	3,228,212	2,864,714
Union of South Africa (d)	14,043,432	14,013,544	13,913,979	13,398,280	(e)12,671,880	12,665,931
British Guiana (b)	385,706	308,738	288,591	247,158	280,952	268,344
India	40,087	35,881	42,132	35,576	30,400	24,525
Australia	206	94	3,850	10,400	5,600	3,067
TOTAL	32,667,000	34,091,000	32,258,000	35,426,000	(e)37,046,000	44,700,000
FOREIGN COUNTRIES						
Angola	3,422,000	4,009,000	4,405,000	4,147,000	4,272,000	4,266,000
Belgian Congo—						
Gem diamonds (b)	782,000	949,000	934,000	1,510,000	1,675,000	1,474,000
Industrial do. (b)	3,474,000	4,807,000	5,231,000	7,608,000	7,863,000	9,116,000
French Equatorial Africa	501,000	905,000	898,000	1,053,000	822,000	890,000
French West Africa (b)	398,900	574,900	678,900	881,500	1,098,900	1,224,000
Brazil (c)	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela	518,000	737,000	510,000	377,000	(b) 946,000	(b) 924,000
TOTAL	10,096,000	12,982,000	13,657,000	16,577,000	17,677,000	18,894,000
WORLD'S TOTAL	42,763,000	47,073,000	45,915,000	52,003,000	(e)54,723,000	63,600,000

* 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.

SALES OF DIAMONDS

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

	(£ sterling)		
	<i>Gems</i>	<i>Industrial</i>	<i>Total</i>
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	50,542,240	24,003,770	74,546,010
1957 (Jan.-Nov.) ..	50,646,408	22,300,764	72,947,172

EXPORTS OF DIAMONDS

(Domestic Produce)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Ghana .. Ct.	1,763,369	2,133,873	2,164,262	2,125,708	2,276,531	2,518,563
£	6,416,651	5,399,885	3,924,755	4,272,684	5,529,624	7,920,446
Sierra Leone .. Ct.	477,130	423,327	416,742	443,598	401,423	647,797
£	1,371,749	1,217,059	1,198,133	1,699,875	1,400,478	3,457,385
South West Africa— Uncut .. Ct.	431,954	498,382	621,562	550,987	(d)	(d)
£ (S.A.)	9,671,800	11,765,279	13,584,782	12,068,070	(d)	(d)
Tanganyika— Gem diamonds .. Ct.	4,423	201,106	94,187	167,927	174,868	170,679
£	67,616	3,504,502	1,509,179	2,581,073	2,704,718	2,201,463
Industrial diamonds Ct.	4,165	130,237	76,322	161,985	147,739	186,859
£	21,337	541,689	256,339	526,168	494,719	653,810
Union of South Africa— Uncut (b) .. Ct.	4,483,279	812,199	916,202	818,559	e 1,451,928	e 1,372,727
£ (S.A.)	15,379,386	7,628,202	8,253,036	7,141,295	e23,824,074	e23,360,827
Cut and polished Ct.	116,819	110,277	92,780	109,556	109,901	112,885
£ (S.A.)	9,832,098	9,274,728	7,076,218	8,044,458	8,148,402	8,526,112
British Guiana .. Ct.	40,759	39,213	35,531	30,384	33,227	30,871
£	353,849	307,840	281,162	249,716	280,342	277,841
Hong Kong (re-exports)— Cut and polished £	(a)	491,004	71,397	256,020	822,454	1,007,045
Industrial .. £	(a)	(a)	(a)	7,976	4,721	25
Malaya (re-exports)— Cut and polished £	55,591	120,535	18,100	11,198	40,420	61,590
Australia (c)— Gem diamonds Ct.	—	—	—	513	59	229
£	—	—	—	12,524	4,560	1,833
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Cut and polished Ct.	519,363	459,855	540,960	666,107	830,041	890,232
£	20,082,718	17,802,418	19,567,763	22,892,117	28,994,898	32,387,209
Industrial, rough and bort .. Ct.	1,130,214	685,630	1,198,997	1,895,269	2,748,573	3,280,064
£	3,706,387	2,432,770	4,767,578	7,246,730	11,965,277	16,747,401
France—						
Uncut .. £	478,662	90,110	160,249	132,651	110,983	537,102
Cut .. £	1,327,120	1,485,932	1,277,097	2,565,427	1,180,676	1,163,810
Industrial diamonds £	4,793	50,482	38,269	45,735	57,253	56,221
Netherlands .. £	5,870,000	5,582,000	7,620,000	6,803,000	7,246,000	8,109,000
Sweden—						
Industrial diamonds £	26,727	29,607	24,656	24,983	34,392	52,284
Angola .. Ct.	718,312	741,272	724,195	724,190	740,332	743,930
£	3,489,481	3,598,763	4,373,128	4,373,649	4,228,582	4,280,584

(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 £ S.A.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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Belgian Congo—						
Gem diamonds.. Ct.	617,216	530,168	588,530	628,089	637,696	643,092
£	893,973	844,533	992,119	948,252	1,519,120	1,360,613
Industrial diamonds Ct.	9,714,159	10,985,791	11,798,104	11,573,837	12,378,516	12,802,772
£	3,376,682	4,782,745	5,135,048	5,209,186	7,140,091	8,286,627
French Equatorial Africa—						
Ct.	147,461	145,112	137,113	150,676	150,294	147,376
£	500,600	640,000	836,000	1,029,000	1,098,600	1,013,000
French West Africa						
Ct.	88,575	118,050	183,080	223,478	295,660	388,370
£	351,000	499,000	692,000	907,000	1,021,000	1,221,000
Liberia (c) ..						
Ct.	(a)	(a)	(b) 1,187	19,305	203,543	1,025,034
£	(a)	(a)	(b) 1,642	49,000	221,000	870,000
United States—						
Uncut Ct.	712	6,971	12,963	15,087	39,631	16,480
£	10,498	59,220	147,562	145,789	281,404	241,150
Cut Ct.	6,050	3,331	4,765	7,138	5,825	3,418
£	685,886	515,487	1,011,412	645,399	981,657	508,231
Industrial diamonds Ct.	9,490	653	1,556	9,758	1,168	11,725
£	27,529	7,525	4,904	22,364	5,849	34,977
Dust Ct.	60,621	79,183	65,853	90,665	215,787	210,841
£	59,478	77,461	65,067	84,575	184,787	220,014
Brazil						
(a)	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela ..						
Ct.	58,367	95,503	80,008	93,294	115,188	77,276
£	391,000	666,900	631,551	818,200	776,000	760,859
Israel—						
Polished .. Ct.	132,450	130,771	146,851	183,832	227,169	263,707
£	4,167,574	4,015,277	4,563,221	5,606,713	7,224,448	8,825,334
Industrial .. Ct.	(a)	(a)	(a)	1,246	2,368	911
£	(a)	(a)	(a)	15,687	22,738	8,144

(a) Information not available.

(b) May to August only.

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

IMPORTS OF DIAMONDS
(Less Re-exports)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom Ct.	14,315,528	16,323,493	17,200,576	17,074,599	18,066,889	18,929,124
(b) £	31,816,203	38,643,805	38,373,736	39,604,236	46,399,171	50,936,839
Malta—						
Rough diamonds £	(a)	(a)	(a)	476	(a)	
Cut and polished £	(a)	(a)	(a)	5,677	6,620	4,633
Kenya Ct.	357	47	54	16	—	—
£	7,468	2,848	2,795	884	—	—
Northern Rhodesia—						
Uncut Ct.	200	44	—	(a)	(a)	(a)
£	270	430	—	(a)	(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.	—	—	9	—	32	152
£ (S.A.)	—	—	324	—	1,401	4,709
Zanzibar Ct.	110	53	94	63	14	20
£	4,632	2,660	3,709	3,103	617	(a)
Canada—						
Unset Ct.	40,624	39,756	50,986	44,033	53,307	53,707
£	2,296,503	2,072,417	2,521,631	2,255,971	2,889,440	2,832,846
Dust, bort, etc. Ct.	577,838	818,749	395,441	364,135	745,354	1,048,064
£	1,311,390	1,884,666	954,352	678,411	1,259,624	1,911,353
Bermuda £	(a)	264,989	(e) 164,682	(e) 300,311	(e) 285,080	(e) 37,134
Ceylon—						
Cut and polished Ct.	1,446	1,679	3,072	3,471	—	141
£	98,215	97,978	168,022	116,374	—	1,815
Industrial diamonds Ct.	(a)	(a)	86	—	—	—
£	(a)	(a)	5,023	—	—	—
Hong Kong (total imports)—						
Gem diamonds £	(a)	1,693,236	1,928,198	2,050,215	3,796,361	5,313,291
Industrial diamonds £	(a)	806	713	3,513	534	—
India £	—	2,200	6,885	66,031	72,430	254,446
Malaya (total imports)—						
Cut and polished £	4,886	13,585	6,683	29,701	34,596	410,813
Australia (d)—						
Industrial diamonds Ct.	171,062	179,412	167,184	46,068	148,682	135,505
£	278,752	335,542	334,026	84,418	286,835	246,006
Other diamonds Ct.	40,484	16,898	9,104	18,955	17,213	19,503
£	1,045,066	589,641	260,782	766,136	767,394	821,434
New Zealand—						
Industrial diamonds £(N.Z.)	145	448	260	151	392	(e) 747
Other diamonds £(N.Z.)	283,459	104,198	178,609	202,926	182,406	193,755

(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, Ghana, Sierra Leone, Tanganyika, British Guiana, Angola and Belgian Congo to the United Kingdom as recorded by those countries. In the case of the Union of South Africa, figures represent diamonds of known South African origin only and exclude those of mixed African origin. The totals, therefore, may not account for all diamonds of South African origin exported to the United Kingdom.

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

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

	Total imports			Re-exports	
	Carats	£(S.A.)	Carats	£(S.A.)	
1951	13,030,077	6,248,213	11,924,024	14,426,085	
1952	12,770,452	9,921,071	18,538,933	30,630,685	
1953	14,753,841	11,632,081	16,669,270	24,479,193	
1954	13,937,464	10,569,635	(f) 17,550,773	(f) 26,513,320	
1955	13,568,121	8,564,785	6,584,580	16,127,630	
1956	16,045,898	9,577,552	6,076,638	14,646,477	

(d) Years ended June 30 of that stated.

(e) Excess of re-exports.

(f) Revised.

IMPORTS OF DIAMONDS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Rough diamonds Ct.	2,726,285	2,409,386	2,268,559	2,561,011	3,731,698	4,127,482
£	21,486,147	19,336,835	20,289,873	18,850,057	24,811,113	30,560,199
Cut diamonds .. Ct.	26,461	10,472	23,449	62,852	103,653	175,385
£	1,297,664	524,592	992,221	3,059,597	5,127,909	5,867,427
Industrial, rough and bort .. Ct.	863,389	934,138	1,252,937	1,713,464	2,764,171	2,380,334
£	853,897	966,085	2,128,190	2,266,231	4,481,614	4,837,399
France—						
Uncut £	1,494,206	1,286,954	1,607,929	1,596,415	1,872,428	3,013,001
Cut and polished £	1,623,913	1,362,827	1,433,091	2,080,165	1,838,890	2,512,535
Industrial diamonds £	2,747	160	3,557	2,011	8,978	5,050
Netherlands .. £	5,038,000	4,548,000	7,412,000	5,822,000	6,192,000	7,575,000
Norway Ct.	8,025	2,575	2,000	1,900	2,000	(a)
£	5,939	2,087	2,003	1,745	1,363	4,427
Sweden—						
Industrial diamonds £	405,318	344,928	334,298	308,534	430,525	363,580
Mexico—						
Industrial diamonds Ct.	320,600	313,710	33,405	33,695	37,955	43,080
£	24,278	21,095	12,713	11,569	7,356	17,279
United States—						
Uncut Ct.	697,981	709,043	730,350	887,702	1,064,932	1,203,321
£	17,394,578	18,707,033	20,285,170	21,147,248	27,503,651	30,817,611
Cut and polished Ct.	480,516	438,546	444,362	594,772	707,859	692,267
£	22,092,144	18,520,302	17,996,988	22,333,932	26,822,061	27,033,620
Industrial diamonds Ct.	12,120,647	13,469,198	12,768,595	13,807,344	14,944,633	15,638,988
£	16,604,882	18,301,117	16,683,966	17,088,329	23,518,246	25,747,558
Dust Ct.	166,760	224,429	749,290	181,418	152,732	238,750
£	168,391	284,212	749,983	178,967	155,957	249,191
Bort, manufactured Ct.	6,659	11,631	7,891	2,389	2,771	9,054
£	147,394	140,287	104,101	64,685	73,527	118,897
Israel—						
Rough diamonds Ct.	322,445	360,159	401,907	507,384	544,312	631,939
£	3,381,849	3,292,527	3,879,556	4,913,447	5,926,861	7,496,021
Industrial diamonds Ct.	5,935	3,455	389	934	458	352
£	68,058	55,507	4,381	7,205	5,922	2,973
Bort Ct.	126,410	120,067	107,122	143,690	44,500	35,394
£	176,471	184,005	138,774	118,964	52,913	45,438
Dust Ct.	2,700	14,860	15,495	1,600	2,900	450
£	2,648	12,545	14,681	1,247	1,349	474
Japan—						
Uncut Ct.	4,915	(a)	(a)	(a)	(a)	(a)
£	10,536	(a)	(a)	(a)	(a)	(a)
Cut Ct.	2,750	(a)	(a)	(a)	(a)	(a)
£	1,160	(a)	(a)	(a)	(a)	(a)
Industrial diamonds Ct.	47,220	66,900	103,545	123,005	171,365	520,000
£	161,000	248,000	292,000	296,000	389,594	666,700

(a) Information not available.

DIATOMACEOUS EARTH

PRODUCTION OF DIATOMACEOUS EARTH

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain	9,200	17,000	12,477	9,624	22,015	17,287
Northern Ireland ..	8,726	8,698	7,367	4,174	6,511	5,873
Kenya	4,218	5,932	4,378	3,258	2,950	4,837
Union of South Africa ..	—	1,062	107	935	759	567
Canada (shipments) ..	82	25	92	4	14	—
Australia	8,729	6,366	4,440	5,439	5,042	5,789
New Zealand	119	204	102	168	556	136
FOREIGN COUNTRIES						
Austria	3,832	3,839	3,067	3,150	3,966	4,900
Denmark—						
Diatomaceous earth ..	4,782	3,353	2,780	(a)	(a)	(a)
Moler (b)	95,000	100,000	100,000	110,000	120,000	160,000
Finland	1,324	1,103	1,773	1,220	(a)	(a)
France	70,182	61,800	68,070	60,796	62,523	62,000
Germany (Federal) ..	43,258	47,096	49,555	53,300	60,469	65,081
Italy	10,398	9,380	9,069	9,964	(b) 10,000	(b) 10,000
Sweden	1,818	1,547	1,342	904	1,451	1,110
Algeria	20,660	19,700	25,145	33,300	27,130	23,523
Egypt	2,709	710	104	156	344	(a)
Costa Rica	447	670	384	(a)	(a)	(a)
United States	(c) 244,700	(d) 270,172	(d) 270,172	(d) 270,172	(a)	(a)
Argentina	(a)	(a)	(a)	(a)	2,500	2,600
Chile	(a)	(e) 11	(a)	28	492	—

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.

(e) Revised.

EXPORTS OF DIATOMACEOUS EARTH

(Domestic Produce)

(Long tons)

Exporting Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Kenya	(a)	(a)	(a)	682	887	1,460
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	1,185	296	64	93	127	134
Denmark—						
Diatomaceous earth ..	3,907	5,170	5,287	5,897	8,276	7,674
Moler	75,599	78,890	74,825	90,547	97,990	119,480
Moler bricks	9,654	8,699	11,293	8,787	16,043	18,557
Finland	—	—	—	26	—	—
France (b)	1,736	1,921	1,890	1,375	1,789	1,674
Germany (Federal) (b) ..	3,892	5,780	5,921	1,947	2,549	2,229
Italy	33	137	416	496	1,023	1,300
Norway	20	—	—	1,635	—	—
Portugal	43	74	21	62	51	51
Sweden	31	36	10	15	26	62
Algeria (b)	14,570	10,435	12,376	14,890	18,425	17,682
Mozambique	89	—	—	—	—	—
Chile	278	31	86	30	20	(a)

(a) Information not available.

(b) Including Tripoli etc.

IMPORTS OF DIATOMACEOUS EARTH

(Less Re-exports)

(Long tons)

Importing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (b) ..	61,347	46,006	52,683	57,671	64,896	67,340
Union of South Africa ..	614	332	565	695	606	577
Canada	18,811	14,186	17,277	17,297	19,784	18,819
Australia (c)	1,412	1,078	1,480	1,645	3,944	4,394
New Zealand	206	394	739	717	1,130	1,024
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	11,682	11,821	9,464	2,535	2,682	3,324
Denmark	104	163	280	271	350	576
Finland	599	338	374	704	1,414	534
France (d)	6,893	6,085	6,848	7,986	12,074	11,898
Germany (Federal) (d) ..	31,513	42,651	40,267	53,583	57,674	70,629
Iceland	37	2	10	156	1,126	898
Italy	520	1,390	1,819	761	613	665
Netherlands	4,484	2,676	4,945	4,296	4,892	5,723
Norway	3,126	2,946	2,026	2,273	4,036	4,152
Portugal	297	101	117	171	242	344
Sweden	747	411	882	755	1,616	2,141
Yugoslavia	167	44	515	81	129	1
Algeria (d)	83	33	95	71	73	45
Egypt	54	453	1,219	957	1,026	(a)
Morocco (Southern)	(a)	768	1,087	597	344	260
Cuba (total imports)	3,558	2,338	3,012	2,029	2,754	(a)
Mexico (total imports) ..	2,390	1,969	4,214	2,894	3,848	(d) 3,878
Brazil (total imports) ..	(a)	(a)	77	879	607	785
Chile (d)	95	101	34	77	8	
Colombia	186	333	686	429	507	496
Peru (d)	412	556	42	880	850	946
Venezuela (d)	(a)	635	896	1,140	(a)	1,147
Japan	37	1,078	4,018	2,009	1,898	1,985
Turkey	500	547	809	465	1,007	395

(a) Information not available.

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

1951	42,735	long tons
1952	34,782	” ”
1953	34,496	” ”
1954	42,774	” ”
1955	45,484	” ”
1956	50,021	” ”

(c) Years ended June 30 of that stated.

(d) Including Tripoli, etc.

FELSPAR

PRODUCTION OF FELSPAR

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain—						
China stone	69,888	69,817	62,309	63,960	63,305	59,329
Nigeria	(a)	(a)	(a)	(a)	(a)	14
Southern Rhodesia	1,129	—	—	—	—	—
Union of South Africa	3,290	7,361	5,480	3,526	6,421	9,729
Canada	36,383	18,096	18,970	14,371	16,207	15,860
India	3,385	2,020	3,881	6,476	5,230	3,263
Australia (including china stone)	14,842	13,589	6,883	16,384	20,833	18,629
FOREIGN COUNTRIES						
Austria	3,701	2,538	1,332	2,137	2,510	2,677
Belgium	—	275	—	808	(a)	(a)
Finland	8,069	9,635	9,156	10,830	12,529	8,799
France	58,830	(d) 85,716	(d) 75,600	61,000	72,000	71,000
Germany (Federal) (c)	70,401	117,407	114,191	138,322	169,718	172,717
Italy	28,684	21,249	24,342	28,448	52,097	49,676
Norway—						
Unground	23,024	21,704	12,514	16,373	32,178	} (e) 54,000
Ground	7,602	7,131	5,896	11,390	12,079	
Portugal	463	689	59	—	592	(a)
Spain	(b) 10,869	10,195	10,495	8,160	5,041	(a)
Sweden (sales)—						
Unground	25,955	33,105	24,413	35,328	31,317	31,625
Ground	15,089	14,010	12,920	16,166	18,321	20,875
Madagascar	—	—	24	—	—	—
United States (sales)	400,439	420,831	452,600	411,018	570,577	622,429
Argentina	(a)	(a)	(a)	(a)	5,000	5,000
Brazil	(a)	(a)	(a)	(a)	(a)	(a)
Chile	1,181	592	2,047	1,319	821	826
Peru	129	—	—	—	—	—
Uruguay	664	884	779	696	381	—
Japan	26,109	23,812	24,682	33,626	30,587	48,665
TOTAL*	820,000	890,000	890,000	910,000	1,130,000	1,200,000

*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 800 cubic metres were obtained from quarries.

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

(d) Including pegmatite.

(e) Estimated.

EXPORTS OF FELSPAR

(Domestic Produce)

(Long tons)

Exporting Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Canada	17,707	5,679	6,114	943	1,273	1,611
Australia (b)	582	465	616	187	235	340
FOREIGN COUNTRIES						
Austria	139	16	32	19	20	47
Finland	7,479	6,956	6,658	6,584	6,348	6,644
France	8,419	5,910	6,679	9,302	11,927	(d) 14,999
Germany (Federal)	(c) 28,653	(c) 67,397	(c) 61,125	(c) 59,597	(c) 52,479	6,077
Italy	1,711	1,370	2,048	3,241	6,011	6,577
Netherlands	2,793	2,244	2,109	3,257	5,700	4,569
Norway—						
Crude	25,018	21,503	16,464	15,988	28,416	41,118
Ground	5,907	3,896	4,844	8,836	8,940	12,333
Sweden	28,573	30,534	23,701	31,527	36,621	39,449
Japan	366	317	393	454	529	874

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Including fluorspar.

(d) May include some leucite and nephelite.

IMPORTS OF FELSPAR

(Less Re-exports)

(Long tons)

Importing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom	26,355	23,038	14,546	17,510	24,458	35,198
Canada	174	138	300	355	122	175
Australia (b)	119	594	45	219	241	—
New Zealand	314	449	164	85	530	671
FOREIGN COUNTRIES						
Austria	265	715	340	593	1,240	1,384
Denmark	2,806	2,772	3,117	3,293	3,961	4,426
Finland	15	20	20	39	2	3
France	18,441	10,107	4,101	3,279	5,925	(d) 8,251
Germany (Federal)	(c) 6,639	(c) 12,092	(c) 10,200	(c) 21,025	(c) 27,622	21,314
Italy	1,076	950	1,420	1,430	2,400	2,410
Netherlands	14,064	8,428	10,676	13,432	16,746	16,093
Sweden	369	165	2	15	13	5
Algeria	316	422	210	463	401	(d) 498
Belgian Congo (c)	(a)	(a)	40	203	300	46
Morocco (Southern)	(a)	(e) 125	(e) 157	(e) 252	(e) 253	(d) 203
Mexico (total imports)	2,486	2,213	4,166	3,833	5,141	5,187
United States	17,128	5,576	5,999	977	1,359	1,632
Colombia (total imports) (c)	2	50	13	38	89	53
Venezuela (total imports)	(a)	88	140	202	(a)	1,214
Israel	296	484	592	1,050	1,066	1,427
Japan	—	2,991	1	184	33	—

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Including fluorspar.

(d) May include some leucite and nephelite.

(e) Including pegmatite.

FLUORSPAR
PRODUCTION OF FLUORSPAR
(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (b) ..	74,754	75,823	79,128	82,685	85,924	91,550
Southern Rhodesia ..	109	—	333	107	429	842
South West Africa ..	767	4,348	5,037	2,737	603	—
Swaziland ..	—	—	—	—	—	40
Union of South Africa ..	12,087	10,128	14,312	19,639	29,321	31,308
Canada	66,260	73,381	79,079	106,222	114,387	135,480
Australia	489	86	333	19	282	745
FOREIGN COUNTRIES						
France	53,537	70,389	62,234	73,025	84,697	80,000
Germany—						
Federal Republic ..	141,471	154,853	166,762	179,070	161,558	157,514
East (c)	70,000	80,000	80,000	80,000	80,000	80,000
Italy	40,371	56,738	74,593	75,627	100,115	122,032
Norway	889	669	694	436	283	177
Spain	58,732	61,517	50,381	72,350	65,762	68,160
Sweden (sales)	5,007	4,398	4,262	3,697	1,303	871
Morocco (Southern) ..	1,937	3,252	2,846	1,060	10	152
Tunis	—	2,435	2,009	—	—	—
Mexico (e)	65,706	177,393	154,609	130,534	178,769	321,533
United States (d) ..	309,843	298,008	283,961	219,311	249,589	285,580
Argentina	7,087	7,037	(a)	(a)	11,000	13,000
Bolivia (e)	38	79	18	190	507	267
Japan	3,933	3,890	6,434	6,046	5,123	7,956
Korea (South)	4,176	5,411	11,017	8,872	9,922	3,066
TOTAL* ..	1,040,000	1,210,000	1,210,000	1,200,000	1,310,000	1,530,000

* Including estimates for fluor spar produced in the U.S.S.R., Brazil 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.

EXPORTS OF FLUORSPAR

(Domestic Produce)

(Long tons)

Exporting Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
South West Africa ..	840	3,187	5,018	2,735	603	—
Union of South Africa ..	7,712	5,657	17,424	15,188	16,289	17,452
Canada	19,162	16,674	21,400	53,471	52,134	69,982
FOREIGN COUNTRIES						
France	2,831	2,284	3,053	3,859	4,035	3,613
Germany (Federal) ..	(b) 79,856	(b) 67,397	(b) 61,125	(b) 59,597	(b) 52,479	39,307
Italy	21,133	34,073	48,934	40,858	83,872	61,559
Norway	239	195	81	—	—	122
Spain	(a)	(a)	53,375	47,168	59,789	61,108
Sweden	26	52	48	69	14	1
Morocco (Southern) ..	522	2,047	3,060	144	225	288
Tunis	10	2,057	2,247	—	—	—
Mexico	65,706	177,393	154,609	130,534	178,769	321,533
United States	1,047	603	685	574	780	175
Bolivia	38	79	18	190	507	267
Korea (South)	2,539	3,682	4,870	15,007	7,585	12,702

(a) Information not available.

(b) Including felspar.

IMPORTS OF FLUORSPAR

(Less Re-exports)

(Long tons)

Importing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Canada	7,311	20,280	18,001	14,500	19,393	25,132
Australia (c)	1,102	1,003	517	713	543	344
New Zealand	5	24	12	10	(a)	(a)
FOREIGN COUNTRIES						
Austria	7,229	3,667	4,987	7,855	10,406	9,548
Denmark	711	394	1,046	815	1,075	1,006
France	—	635	280	296	98	735
Germany (Federal) ..	(b) 1,187	(b) 12,092	(b) 10,200	(b) 21,025	(b) 27,622	13,614
Netherlands	3,015	3,600	7,727	8,225	5,939	5,233
Norway	234	130	491	415	1,000	1,131
Portugal	32	20	40	84	102	248
Sweden	6,152	4,388	6,892	5,078	6,849	8,762
Yugoslavia	(a)	(a)	495	595	1,016	2,173
Algeria	71	83	147	157	159	262
Belgian Congo	82	(a)	(b) 40	(b) 203	(b) 300	(b) 46
Mexico (total imports) ..	37	4	10	4	—	1
United States	161,852	314,735	321,044	261,893	324,477	433,529
Brazil (total imports) ..	(a)	(a)	295	1,552	32	1,011
Colombia (total imports) (b) ..	2	50	13	38	89	53
Peru	790	200	371	110	245	10
Japan	47,683	10,424	19,500	30,566	30,849	49,641

(a) Information not available.

(b) Including felspar.

(c) Years ended June 30 of that stated.

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

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Union of South Africa ..	2,504	1,704	894	1,576	2,233	2,636
India	4,000	8,132	4,871	1,333	3,838	5,457
Australia	60	110	106	73	71	235
FOREIGN COUNTRIES						
United States (sales) ..	431,806	377,547	389,140	336,001	330,106	372,960

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

EXPORTS OF FULLER'S EARTH*
(Long tons)

Exporting Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Australia (b)	—	—	—	5	—	—
FOREIGN COUNTRIES						
Italy	181	56	679	401	130	168
United States (c) .. .	31,200	23,200	16,100	10,700	(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.

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

Importing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Union of South Africa ..	669	596	657	940	721	752
Canada	(£45,009)	(£62,798)	(£49,756)	(£43,849)	(£40,862)	(£52,461)
Ceylon	36	61	58	98	110	73
Australia (d)	391	390	31	154	268	233
New Zealand	89	126	122	237	179	200
FOREIGN COUNTRIES						
Austria	587	416	(c) 732	(c) 713	(c) 1,532	(c) 1,566
Italy	340	599	755	676	1,188	2,498
Belgian Congo	725	(a)	(a)	(a)	(a)	(a)
Mexico (total imports) ..	3,948	2,681	2,597	2,795	3,511	(b) 7,878
United States—						
Crude	36	18	—	} (a)	(a)	(a)
Prepared	326	122	198			
Chile	28	41	13	86	11	(a)
Peru	437	374	324	500	744	606
Venezuela	(a)	388	108	602	(a)	417
Philippine Republic .. .	216	14	198	322	490	(a)

(a) Information not available.

(b) Including other bleaching earths.

(c) Including bentonite and other similar clays.

(d) Years ended June 30 of that stated.

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

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Bechuanaland Protectorate	493	1,245	1,109	1,216	560	590
Ghana	698,676	691,460	730,963	787,075	687,151	637,755
Kenya	19,765	10,210	9,603	6,607	9,528	13,843
Nigeria	1,588	1,079	689	730	688	440
Northern Rhodesia	857	2,523	3,308	2,648	2,214	3,329
Southern Rhodesia	486,907	496,731	501,057	535,852	524,701	536,392
Sierra Leone	3,261	2,638	1,412	210	468	(b) 400
Swaziland	322	1	—	—	—	252
Tanganyika (c)	64,534	68,274	74,070	73,756	75,135	69,699
Uganda (b)	184	166	429	456	354	237
Union of South Africa	11,516,450	11,818,681	11,940,616	13,237,119	14,601,404	15,896,693
Canada	4,392,751	4,471,725	4,055,723	4,366,440	4,541,962	4,378,862
British Guiana	13,485	22,237	19,247	25,726	22,459	15,024
India	226,364	253,264	223,376	239,168	211,464	206,088
Malaya (estimated)	16,200	18,800	17,400	19,900	21,600	19,200
Sarawak	931	843	417	531	463	599
Australia	895,551	980,435	1,075,181	1,117,742	1,049,039	1,029,821
Fiji	95,635	78,282	76,970	72,340	74,187	66,701
New Guinea and Papua	94,438	127,580	120,848	86,728	79,092	79,476
New Zealand	75,115	59,151	38,656	41,713	26,443	26,063
TOTAL	18,605,000	19,107,000	18,893,000	20,618,000	21,929,000	22,981,000
FOREIGN COUNTRIES						
Finland	18,069	19,741	19,483	16,976	18,808	18,229
France	68,127	68,735	64,687	15,947	30,286	24,800
Germany	1,479	2,025	6,430	(a)	(a)	(a)
Greece	—	—	2,048	7,620	6,655	3,504
Italy	13,564	16,731	13,876	5,973	6,160	5,931
Portugal	18,358	17,940	14,854	22,055	28,807	22,120
Roumania	(a)	(a)	(a)	(a)	(a)	(a)
Sweden	70,474	65,877	88,254	110,277	98,767	95,745
Angola	61	40	20	35	57	34
Belgian Congo	352,308	368,769	371,020	365,490	369,926	373,849
Cameroon (French)	4,835	2,318	950	686	518	429
Egypt	14,037	17,078	14,452	17,387	6,524	(a)
Eritrea	675	699	1,363	1,484	(a)	(a)

(a) Information not available.

(b) Exports.

(c) Including gold in lead concentrates exported amounting to 814 ounces in 1951, 2,738 ounces in 1952, 3,827 ounces in 1953, 3,051 ounces in 1954, 6,141 ounces in 1955 and 11,871 ounces in 1956.

PRODUCTION OF GOLD (cont.)

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Ethiopia	(b) 32,938	(b) 27,291	(b) 26,696	(b) 33,894	(a)	25,700
French Equatorial Africa	47,036	45,971	48,220	40,317	43,295	37,854
French West Africa (f)	1,765	1,331	1,460	362	518	388
Liberia (c)	9,806	949	863	1,135	672	(a)
Madagascar	1,753	1,606	1,554	1,363	981	894
Morocco (Southern)	2,058	4,051	2,537	3,568	4,276	264
Mozambique	861	831	1,034	2,027	(a)	1,247
Sudan	1,495	1,545	2,175	1,554	1,526	(a)
Costa Rica	(e) 1	(d) 2,000	(d) 6,500	(d) 5,700	(d) 300	(a)
Cuba (e)	835	881	1,181	677	2,024	(a)
Dominican Republic	(c) 460	332	—	—	—	(a)
Guatemala (e)	7	4	3	1	(a)	(a)
Honduras	31,216	35,040	38,988	(h) 49,516	(a)	(a)
Mexico	393,429	459,370	483,483	386,902	382,872	350,218
Nicaragua	251,869	254,059	261,899	232,212	237,376	217,140
Panama	2,712	—	—	—	—	—
Salvador	24,225	25,732	19,934	5,326	3,818	2,983
United States	1,980,512	1,893,261	1,958,293	1,837,310	1,880,142	1,814,228
Argentina	(d) 8,000	(d) 8,000	(d) 8,000	(d) 8,000	(d) 6,000	6,858
Bolivia	1,275	9,000	1,029	215,121	73,816	24,118
Brazil	135,837	136,764	115,871	119,536	109,602	122,237
Chile	174,964	168,026	130,693	147,604	134,744	76,680
Colombia	446,314	422,240	437,295	377,467	380,824	438,347
Dutch Guiana	6,494	6,129	6,482	6,771	7,202	6,721
Ecuador	12,683	24,267	29,239	18,479	15,289	15,076
French Guiana	9,005	5,927	(c) 4,384	1,371	8,700	5,800
Peru	(g) 158,270	(g) 134,865	141,193	147,424	170,747	113,753
Venezuela	2,861	4,476	27,304	56,074	61,140	69,811
Burma	173	43	567	170	124	126
Formosa	26,730	28,109	21,551	23,116	28,100	33,131
Japan	177,472	200,936	228,255	243,149	240,732	241,422
Korea (South)	7,620	18,390	15,850	52,406	47,037	50,670
Philippine Republic	393,600	469,408	480,625	416,052	419,112	406,163
Saudi Arabia	73,104	69,394	81,566	31,240	—	—
* TOTAL	5,100,000	5,200,000	5,300,000	5,100,000	5,000,000	5,000,000
* WORLD'S TOTAL (excl. U.S.S.R.)	23,700,000	24,300,000	24,200,000	25,700,000	26,900,000	28,000,000

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

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

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (e)—						
Bullion—						
Unrefined	—	—	2,411	—	—	—
Refined	2,925,914	5,839,099	6,222,000	5,720,786	6,749,299	10,372,551
Coin	421,000	732,000	207,000	47,000	58,000	53,000
Ghana—						
Bullion	692,301	704,594	732,636	787,874	723,905	599,340
Kenya*—						
Bullion	25,300	15,000	10,600	7,000	9,700	13,600
Nigeria—						
Bullion	347	5	59	379	200	—
Northern Rhodesia—						
Bullion	79	4	—	(b)	(b)	(b)
Sierra Leone*—						
Bullion	1,900	2,000	3,000	2,100	200	400
Southern Rhodesia—						
Concentrates, etc.* ..	3,900	5,300	4,900	(c) 5,000	(c) 1,300	(c) 2,100
Bullion	484,354	501,835	505,558	(c) 522,555	(c) 515,699	(c) 515,030
Tanganyika—						
Concentrates	814	2,738	3,837	3,141	6,141	—
Bullion (refined) ..	65,583	64,693	69,876	71,357	68,892	59,293
Uganda—						
Bullion	184	166	429	456	354	237
Union of South Africa—						
Ore and concentrates* ..	16,500	11,000	8,900	5,800	3,700	3,300
Bullion	6,847,000	7,597,000	7,947,000	12,535,000	14,203,000	(a)
Gold products	4,756,000	4,825,000	4,044,000	—	—	(a)
British Guiana—						
Bullion	9,184	15,007	11,357	16,196	13,204	6,224
Aden (e)*—						
Bullion and coin ..	—	70	—	—	—	—
India—						
Bullion	1,206	—	4	1,019	—	402
Malaya—						
Bullion	20,700*	13,449	14,806	19,849	13,900	14,990
Hong Kong*—						
Bullion (e)	4,600	2,600	106,000	1,554,000	1,691,000	2,286,000
Sarawak—						
Bullion	1,012	777	512	530	477	687
Australia— (d)						
Ores, etc.	10,662	14,503	12,441	12,526	11,133	13,427
Bullion, refined	19	416,652	1,243,953	871,253	855,688	523,940
do. unrefined					8,703	7,724

* 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) Years ended June 30 of that stated.

(e) Including foreign produce.

EXPORTS OF GOLD (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Fiji—						
Bullion	93,700	80,189	70,467	78,411	73,989	67,130
New Guinea (b)—						
Bullion	87,593	110,214	138,694	90,857	85,726	71,519
New Zealand—						
Auriferous quartz, etc.	—	112	90	830	1,295	—
Bullion, etc. .. .	67,000*	64,000*	41,000*	38,000*	19,000*	20,450
Sweepings and scrap ..	636	409	—	(a)	(a)	(a)
Papua (b)—						
Bullion	248	146	141	280	1,065	(a)
Irish Republic*—						
Bullion (c)	800	1,200	1,600	1,800	200	1,000
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.(c)—						
Bullion and scrap ..	114,000*	(a)	246,000*	83,600	42,000	158,000
France (c)—						
Bullion and scrap (d) ..	4,595,000	5,694,000	6,666,000	4,430,000	3,557,000	2,241,000
Coin	1,280,000	1,738,000	1,426,000	194,000	120,000	(a)
Beaten, rolled or drawn	1,898,000	1,276,000	109,000	41,000*	58,000*	70,000
Germany (Federal) (c)						
Unwrought	(a)	(a)	(a)	330,000*	60,000	38,000
Netherlands (c)—						
Bullion, etc.	1,633,000	1,712,000	2,367,000	1,783,000*	581,000*	46,000*
Coin*	439,000	319,000	61,000	2,700	75	382,000
Sweden (c)—						
Bullion	90,000*	142,000	102,000	37,000*	13,000*	43,000*
Switzerland (c)—						
Unwrought	(a)	7,700	10,600	48,000	44,000	52,000
Belgian Congo—						
Bullion	365,000	400,000	381,000*	362,000	370,000*	368,000*
Cameroon (French)—						
Bullion	4,200	2,600	1,000	1,200	900	600
Ethiopia						
Bullion	(a)	10,000	(a)	(a)	(a)	(a)
French Equatorial Africa						
Bullion	45,000	39,000	30,000	40,000	43,000	43,000
French West Africa—						
Bullion	8,100	1,100	1,300	200	—	—
Liberia—						
Bullion	9,806	949	863	1,135	672	(a)
Madagascar—						
Bullion	900	—	60	38	31	—
Mozambique—						
Bullion	—	—	300	1,000*	1,100	63,000
Sudan*—						
Bullion	—	—	200	100	400	900
Dominican Republic—						
Bullion and scrap ..	460	332	(a)	(a)	(a)	(a)
Honduras (b)—						
Bullion, etc.	33,600	(a)	36,455	49,516	(a)	(a)
Mexico—						
Bullion	548,000	3,910,000	948,000	3,084,000	57,000	44,000
Nicaragua—						
Concentrates	250,534	254,675	259,061	233,149	228,621	216,296
Precipitates						

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Including foreign produce.

(d) Revised.

EXPORTS OF GOLD (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Panama—						
Bullion	(a)	945	—	—	—	(a)
Salvador—						
Bullion, etc.	27,000	28,000	23,000	—	4,000	3,000
United States—						
Ore and base bullion	17,669	1,835	1,124	3,495	} 199,000*	} 759,000*
Refined bullion	17,531,553	782,526	853,126	490,462		
Coin*	418,000	766,000	356,000	55,000		
Argentina (c)—						
Bullion and coin	629,000	355,000	—	—	400	27,000
Bolivia—						
Ore	1,275	1,190	1,032	804	54,913	868
Bullion	—	7,845	—	214,317	18,905	23,250
Chile—						
Ores and concentrates	19,712	48,841	63,104	68,897	80,440	(a)
Colombia—						
Bullion	527,000	250,000	257,825	339,375	364,039	419,221
Dutch Guiana—						
Bullion	6,400	6,000	6,500	—	7,200	—
Ecuador—						
Concentrates*	8,000	20,000	25,000	18,000	13,000	(a)
French Guiana—						
Bullion	9,000	7,000	4,000	1,200	8,000	1,000
Peru—						
Ores, concentrates, etc.	17,000	19,000	17,000	24,000	29,000	34,329
Bullion	105,000	108,000	80,000	51,000	52,000	68,268
Venezuela—						
Bullion	2,000	1,000*	1,400*	2,500*	(a)	(a)
Philippine Republic—						
Concentrates and matte	1,400	12,000	38,841	23,870	6,001	31,000
Bullion etc.	75,000	116,000	33,969	24,551	110,922	124,817

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ore, etc.*	218,000	410,000	346,000	48,000	46,000	44,000
Bullion—						
Unrefined	2,603,153	3,219,019	2,418,568	1,733,127	1,651,966	1,401,223
Refined	5,765,075	9,494,870	9,275,064	14,309,297	14,837,704	17,281,124
Coin	280,000	34,000	9,000	21,000	20,000	23,000
Malta*—						
Bullion and coin ..	4,600	7,300	5,600	7,300	7,200	11,900
Ghana—						
Bullion	274	—	—	—	250	249
Kenya*—						
Bullion	3,300	2,700	2,700	700	1,500	200
Nigeria—						
Bullion and coin ..	—	—	—	—	237	405
Southern Rhodesia*—						
Concentrates	9,500	7,800	200	100	100	200
Tanganyika*—						
Bullion	600	160	640	110	150	—
Uganda*—						
Bullion	1,100	1,200	1,200	500	1,000	600
Zanzibar*—						
Bullion	1,400	1,100	800	300	1,200	1,300
Canada*—						
Bullion, etc. (b) ..	7,400	(a)	(a)	(a)	(a)	(a)
British West Indies—						
Jamaica*—						
Bullion	80	200	400	} 100	100	300
Coin	(a)	(a)	(a)			
Trinidad and Tobago*—						
Bullion	20	230	530	1,000	1,500	2,000
Ceylon*—						
Bullion (e)	12,000	14,000	12,000	20	8,500	22,000
Cyprus*—						
Bullion	360	390	270	170	200	400
Hong Kong*—						
Bullion	—	—	105,000	1,564,000	1,776,000	2,208,000
Coin	—	—	—	11,000	41,000	18,000
India—						
Bullion	4,254	35,960	1,255	2,139	3,028	6,498
Coin	103	400	119	65	14	372
Malaya—						
Bullion	1,027	896	658	532	476	685
Sarawak—						
Bullion	3	7	510	(c) 1,100*	(c) 4,200*	(c) 4,400*
Australia (d)—						
Bullion	158,661	208,127	228,387	189,629	175,039	175,649
Fiji—						
Bullion	—	8	40	56	33	184
New Zealand—						
Concentrates	11	16	53	78	9	35
Bullion	484	556	509	787	594	1,821
Beaten, rolled or drawn	280*	140*	220*	170*	163	414
Irish Republic*—						
Bullion	7,300	—	—	—	—	1,400

* See note on page 127.

(a) Information not available.

(b) Gold for commercial purposes only.

(c) Including coin and partly worked.

(d) Years ended June 30 of that stated.

(e) Including partly worked.

IMPORTS OF GOLD (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bullion, scrap, etc. ..	449,600	(a)	414,000*	418,000	407,000*	852,000
Finland—						
Bullion and scrap ..	9,200	200	—	143,000	700	600
France—						
Bullion and scrap (c) ..	2,870,000	4,673,000	5,629,000	4,142,000	1,321,000	2,287,000
Coin	576,000	744,000	305,000	77,000	26,000	(a)
Beaten, rolled or drawn	2,066,000	2,421,000	1,689,000	32	100	100
Germany (Federal)—						
Unwrought*	(a)	(a)	(a)	861,000	808,000	971,000
Italy (c)—						
Bullion and scrap	4,000	4,000	3,000	11,000	15,000	16,000
Coin	1,274,000	168,000	—	—	—	—
Netherlands—						
Bullion	1,646,000	1,212,000	2,218,000	1,757,000	314,000*	242,000*
Coin	8,000*	256,000*	344,000*	4,000	5,000*	13,000
Norway—						
Sheets and rolled	150	200	1,200*	1,300	(a)	8,000
Sweden—						
Bullion*	6,000	116,000	90,000	6,000	7,400	7,000
Switzerland—						
Unwrought	31,100	78,400	108,500*	30,000	27,000	43,000*
Algeria—						
Bullion	127,500	157,000	127,000	166,000	119,000	—
Coin	54,000	93,500	68,000*	46,000	51,000	—
Beaten, rolled or drawn	10,000	16,800	17,000*	18,000*	22,000*	19,000*
Egypt—						
Bullion	3,450,000	322,000	8,500	7,000	800	(a)
Coin	42,000	29,000	3,800	100	100*	(a)
Mozambique—						
Bullion	82,000	98,000	99,000	106,000	113,000	100,000
Sudan*—						
Bullion	36	—	260	90	650	(a)
Mexico—						
Bullion (c)	650,000	1,966,000	948,000	1,000	572,000	573,000
United States—						
Ore and base bullion ..	729,627	630,714	661,696	822,684	} 2,988,000*	} 3,790,000*
Refined bullion ..	1,593,053	20,508,873	682,261	260,321		
Coin*	180	2,500	1,000	500		
Brazil—						
Bullion	40	2,000	100	76,000	16,000	1,000
Uruguay—						
Bullion and scrap ..	(a)	270,000	21,000	(a)	(a)	(a)
Philippine Republic—						
Bullion	7,000	101,000	172,864	105,771	(a)	18,595
Syria—						
Bullion and scrap (b) ..	102,000	105,000	170,000	264,000	359,000	305,000

(a) Information not available.

(b) Gross weight.

(c) Revised.

GRAPHITE

PRODUCTION OF GRAPHITE

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Kenya	—	34	183	310	216	533
South West Africa (crude)	2,585	1,165	—	103	903	—
Tanganyika (crude) ..	25	—	19	—	—	23
Union of South Africa ..	323	347	369	1,246	1,633	1,662
Canada (sales)	1,401	1,821	3,095	2,199	—	—
Ceylon (exports)	12,621	7,659	7,218	7,728	9,878	9,207
Hong Kong	—	—	200	1,840	1,535	2,442
India	1,735	2,881	767	1,479	1,613	(a)
Australia	46	80	15	70	22	10
FOREIGN COUNTRIES						
Austria (crude)	17,939	19,499	14,451	17,128	17,533	18,390
Czechoslovakia (crude)	(a)	(a)	(a)	(a)	(a)	(a)
Germany (Federal)	10,687	8,821	7,341	9,328	10,317	11,498
Italy	4,443	4,319	5,117	3,718	2,317	2,912
Norway	3,398	4,056	2,906	3,565	5,330	4,966
Spain	270	771	314	403	427	330
Sweden (crude)	—	—	—	—	276	394
Madagascar—						
Flake	12,514	14,158	9,533	7,620	9,567	9,429
Powder	5,533	4,028	3,723	4,241	4,892	6,151
Morocco (Southern)	128	21	97	—	—	—
Morocco (Northern)	—	16	—	—	115	123
Mozambique	239	—	—	—	—	—
Mexico	32,761	23,772	29,852	21,440	28,877	29,156
United States	6,371	5,005	5,608	(a)	(a)	(a)
Argentina	(a)	(a)	(a)	(a)	2	344
Brazil	600	838	579	900	764	517
Japan	4,786	4,577	4,007	4,031	3,073	3,354
Korea (South)—						
Flake	—	250	673	703	—	520
Other	21,237	14,578	19,630	12,997	88,596	60,516
TOTAL*	150,000	133,000	130,000	120,000	210,000	190,000

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

(a) Information not available.

(b) Estimated.

EXPORTS OF GRAPHITE

(Domestic Produce)

(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Crucibles	3,905	3,072	1,813	2,068	2,829	2,638
Kenya	(a)	(a)	(a)	352	338	421
South West Africa	2,628	1,437	—	39	676	—
Tanganyika (crude)	25	—	19	—	—	23
Union of South Africa	595	75	98	62	—	24
Canada	1,028	1,505	2,904	1,925	7	2
Ceylon	12,621	7,659	7,218	7,728	9,878	9,162
Hong Kong (d)	1,838	150	119	1,565	2,014	5,217
Australia (c)	63	53	18	17	15	4
FOREIGN COUNTRIES						
Austria	12,696	13,277	9,956	12,583	12,418	13,716
Belgium-Luxemburg						
E.U.	73	24	10	68	33	22
Denmark	(b) 84	131	2	7	20	39
France	608	532	329	549	749	585
Germany (Federal)	4,818	5,005	4,649	4,470	4,909	6,080
Italy	2,025	1,680	1,583	1,514	1,680	1,358
Netherlands (b)	254	241	174	162	446	885
Norway	3,589	3,753	2,789	3,117	5,241	5,102
Sweden	—	—	—	—	1	2
Madagascar	17,383	17,203	13,393	12,538	16,507	15,158
Morocco (Southern)	32	44	37	53	32	1
Morocco (Northern)	12	16	(a)	194	115	(a)
Mozambique	239	25	—	—	40	—
Mexico	32,761	23,772	30,897	21,367	29,768	27,235
United States	1,344	1,594	1,572	713	1,244	948
Brazil	59	136	—	104	5	4
Japan	287	518	297	585	691	443
Korea (South)	27,481	35,728	15,487	31,559	59,589	95,551

(a) Information not available.

(b) Including artificial graphite.

(c) Years ended June 30 of that stated.

(d) Including re-exports.

IMPORTS OF GRAPHITE

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Natural	13,532	9,636	7,883	8,082	12,167	9,526
Artificial	10	25	—	48	1,321	1,880
Mauritius—						
Crucibles	2	4	3	4	5	5
Southern Rhodesia	55	20	38	(b) 56	(b) 83	(b) 64
Union of South Africa	2,101	1,368	92	141	119	118
Canada—						
Unground	(£32,788)	(£35,772)	(£45,394)	(£19,921)	(£23,563)	(£31,973)
Ground, including manufactures	(£161,529)	(£159,212)	(£174,001)	(£201,034)	(£204,143)	(£296,503)
Crucibles	(£72,982)	(£78,179)	(£78,363)	(£57,332)	(£73,769)	(£94,545)
Cyprus	2	2	(a)	(a)	(a)	(a)
Hong Kong (total imports)	1,434	1,768	3,298	829	503	1,536
India—						
Graphite	688	326	634	384	692	827
Crucibles	396	82	160	195	86	496
Malaya (total imports)	(a)	(a)	(a)	53	123	123
Pakistan—						
Graphite	(c) 13	(c) 26	(c) 39	(c) 85	(c) 17	71
Crucibles	(c) 128	(c) 23	(c) (a)	(c) 64	(c) 36	—
Australia (e)	1,238	1,346	613	(f) 915	(f) 1,013	764
New Zealand	96	63	27	30	48	27
Irish Republic	50	(a)	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Graphite	279	274	163	177	641	872
Crucibles, etc.	257	184	116	146	196	181
Belgium-Luxemburg E.U.—						
Crude and ground	2,247	2,043	1,465	1,637	2,311	2,805
Denmark—						
Graphite	(d) 721	578	505	698	1,143	1,060
Crucibles	119	82	62	93	102	105
Finland	303	197	204	359	341	199
France	5,136	4,897	3,626	3,776	5,060	4,534
Germany (Federal)	5,251	5,250	5,621	7,320	10,176	11,447
Italy	3,375	4,853	2,483	2,792	2,615	4,350
Netherlands (d)	1,531	1,184	1,047	990	888	1,131
Norway—						
Graphite	85	157	179	198	220	258
Crucibles, etc.	133	123	73	96	97	121
Portugal	45	88	69	29	51	84
Sweden	959	909	593	733	905	982
Yugoslavia	1,473	1,006	933	1,031	1,129	521
Algeria	11	14	7	1	6	1
Egypt	276	93	52	183	244	(a)

(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Tunis—						
Graphite	6	(a)	2	6	3	3
Mexico (total imports)—						
Graphite	84	266	180	190	209	100
Crucibles	175	184	110	128	240	212
United States (b) ..	48,564	37,899	45,572	36,274	43,361	42,684
Argentina	(a)	1,461	298	697	800	402
Brazil (total imports)—						
Graphite	171	158	—	4	5	—
Crucibles	391	239	60	518	173	260
Chile	163	84	34	37	83	(a)
Colombia (total imports) (c) ..	162	149	11	22	18	29
Peru	17	16	29	40	127	100
Uruguay	21	6	15	(a)	(a)	(a)
Venezuela (total imports)	(a)	16	46	28	(a)	84
Formosa	(a)	235	1,010	1,921	1,887	1,521
Indonesia (c)	398	278	215	138	276	284
Israel—						
Crucibles	35	45	48	37	42	59
Lebanon (c)	11	4	11	10	20	35
Japan	33,389	25,873	14,999	34,944	86,372	110,910
Philippine Republic ..	82	112	68	79	55	44
Siam (total imports) ..	(a)	(a)	154	209	166	309
Syria (c)	5	(a)	15	5	(a)	(a)
Turkey—						
Graphite	95	52	52	28	34	45
Crucibles, etc.	164	89	46	34	78	17

(a) Information not available.

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

Year	Long tons
1951	80
1952	301
1953	252
1954	189
1955	211
1956	74

(c) Including artificial graphite.

GYPSUM
PRODUCTION OF GYPSUM
(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain—						
Gypsum	1,237,200	1,358,400	1,521,600	1,653,600	1,580,400	1,689,600
Anhydrite	1,047,200	1,035,400	1,152,400	1,107,800	1,335,700	1,644,600
Northern Ireland	170	—	—	—	—	—
Kenya	82	1,593	841	503	851	1,908
Tanganyika	—	(c) 495	1,158	6,342	7,502	(c) 9,490
Union of South Africa	120,129	144,688	150,042	155,073	159,108	186,940
Canada (b)	3,507,479	3,173,140	3,427,714	3,735,873	4,053,268	4,375,237
Jamaica	26,744	44,900	74,093	(e) 160,000	(c) 82,155	124,876
Ceylon	410	675	428	229	114	492
Cyprus (e)	70,000	110,000	190,000	200,000	160,000	124,000
India	203,612	411,204	585,839	612,120	690,000	850,000
Pakistan	22,784	28,830	27,155	31,200	28,100	36,200
Australia	364,347	351,678	329,992	439,716	470,014	467,484
Irish Republic	85,026	73,467	90,871	100,267	(a)	(a)
FOREIGN COUNTRIES						
Austria (b)	117,479	104,130	295,209	360,855	405,834	445,682
Belgium	27,507	26,515	28,877	35,590	35,336	34,221
France (b)	1,999,918	2,545,884	2,850,818	3,136,629	3,587,465	3,542,000
Germany (Federal) (d)	793,000	753,000	765,000	832,000	881,000	923,000
Greece	17,665	18,700	25,000	20,000	15,000	17,000
Italy (including alabaster)	571,343	664,937	661,157	702,935	729,000	(e) 687,000
Luxemburg	9,912	4,992	9,303	1,891	7,162	8,036
Poland	(a)	(a)	(a)	(a)	(a)	(a)
Portugal	29,519	38,987	45,639	56,968	(a)	(a)
Spain (f)	1,785,197	1,568,434	1,035,657	868,868	963,534	1,157,046
Yugoslavia	15,500	17,088	43,784	(a)	(a)	(a)
Algeria	52,359	85,730	71,939	71,738	118,000	75,000
Angola	6,358	8,730	8,582	8,618	2,706	19,596
Egypt	100,050	139,614	183,000	140,193	148,000	(a)
Morocco (Southern)	—	7,829	14,143	20,491	14,483	25,060
Morocco (Northern)	3,520	(a)	(a)	(a)	(a)	(a)
Sudan	5,485	3,535	7,327	3,375	3,061	(a)
Tunis	24,000	23,000	22,400	29,728	34,329	13,165
Dominican Republic	20,903	12,660	18,295	26,083	57,422	75,051
United States	7,737,084	7,513,661	7,404,354	8,032,107	9,440,503	9,207,843
Argentina	(a)	(a)	(a)	(a)	128,075	146,000
Brazil	(a)	(a)	73,604	74,226	159,102	152,108
Chile	61,046	55,409	36,647	44,648	46,618	40,486
Colombia	2,000	2,000	7,400	15,000	22,000	50,000
Peru	30,402	31,392	38,531	30,232	43,004	(a)
Venezuela (g)	1,382	1,500	600	(a)	(a)	(a)
Burma	(a)	(a)	(a)	3,180	—	—
Formosa	(a)	(a)	1,880	3,645	10,042	12,000
Israel	(a)	(a)	22,491	29,064	(e) 50,000	(e) 54,000
Japan	198,261	197,475	266,819	322,238	334,064	372,677
New Caledonia	15,528	5,099	18,959	2,598	—	—
Philippine Republic	393	—	—	—	—	—
Siam	77	—	—	—	—	—
TOTAL*	20,500,000	20,600,000	21,600,000	23,200,000	25,900,000	27,000,000

* 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.

(e) Estimated.

(b) Including "Anhydrite".

(f) Revised.

(c) Exports.

(g) Production in Government quarries only.

(d) Crude estimated on production of calcined.

EXPORTS OF GYPSUM

(Domestic Produce)

(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Calcined	12,205	17,202	14,579	12,115	13,625	14,842
Tanganyika	—	495	1,713	4,440	7,812	9,490
Union of South Africa ..	7,082	11,748	18,262	16,498	22,269	34,512
Canada—						
Crude	2,703,871	2,467,404	2,473,205	2,527,629	2,713,564	3,429,215
Calcined	151	292	78	153	87	133
Jamaica	24,861	36,334	56,784	159,877	81,743	120,583
Cyprus—						
Crude	19,840	41,510	94,720	91,663	89,998	25,424
Calcined	2,471	11,792	7,420	6,877	3,747	3,023
Hong Kong (including re-exports)	1,631	(a)	(a)	(a)	(a)	(a)
Australia (b)						
Crude	18,006	37,629	24,079	42,695	36,981	36,373
Calcined	35	3,695	1,451	5,578	9,516	7,582
Irish Republic—						
Crude	(a)	9,541	20,161	31,714	32,693	40,026
Calcined	8,134	1,434	2,320	2,857	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Crude and ground ..	19,468	15,505	18,516	20,317	23,433	24,135
Calcined	4,957	115	11	—	48	1,226
Belgium-Luxemburg						
E.U.—						
Crude	771	253	542	417	52	292
Calcined	2,476	3,383	5,983	7,707	8,779	9,701
Denmark—						
Crude and calcined ..	22	21	35	31	31	26
France—						
Crude	411,456	420,487	524,166	573,324	616,493	433,076
Calcined	69,496	56,464	60,988	69,535	68,109	60,309
Germany (Federal)—						
Gypsum and phosphatic gypsum	114,082	125,917	153,558	162,126	148,398	183,884
Italy—						
Crude	5,171	904	561	229	621	2,512
Calcined	115	645	238	327	309	769
Netherlands						
Calcined	3,048	2,462	2,683	1,244	313	2,553
Portugal—						
Crude	437	474	470	759	536	635
Sweden—						
Calcined	56	61	28	34	15	9
Switzerland—						
Ground and calcined ..	90	76	52	40	190	106
Yugoslavia—						
Crude	7,821	(a)	31,952	} 26,776	4,231	29,053
Calcined	1,811	20	2,747			
Algeria	252	191	128	55	37	45
Angola—						
Crude	2,999	3,378	2,076	3,044	7,107	2,399

(a) Information not available.

(b) Years ended June 30 of that stated.

EXPORTS OF GYPSUM (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Egypt—						
Crude and ground ..	8,061	22,476	17,118	19,197	17,076	(a)
Calcined ..	4,234	2,596	1,382	(a)	(a)	(a)
Morocco (Southern) ..	3,238	8,755	22,323	8,836	21,022	12,744
Morocco (Northern) ..	1,392	2,119	1,384	1,423	1,524	(a)
Dominican Republic ..	12,656	4,921	15,959	28,855	50,288	63,437
Mexico—						
Crude	256,775	222,982	250,421	337,221	333,807	423,600
Calcined	23	16	4	42	139	156
United States—						
Crude and calcined ..	22,362	17,754	21,152	19,986	20,124	18,533
Argentina	(a)	958	55	—	917	1,674
Syria	9,164	(a)	9,597	357	(a)	(a)

(a) Information not available.

IMPORTS OF GYPSUM

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Crude, including						
alabaster	46,209	50,691	75,009	85,206	89,489	63,783
Calcined	1,537	1,298	2,009	1,875	1,632	1,163
Kenya—						
Crude	—	3	225	(a)	(a)	(a)
Southern Rhodesia—						
Crude and calcined	6,121	7,582	14,841	(b) 15,435	(b) 19,341	(b) 34,493
South West Africa	31	24	27	39	(d)	(d)
Uganda—						
Crude	—	802	269	(a)	(a)	(a)
Union of South Africa—						
Crude and calcined	686	667	770	1,218	(e) 1,526	(e) 1,804
Bermuda—						
Calcined	(a)	376	226	257	226	204
Canada—						
Crude and ground	1,518	579	488	4,427	14,379	62,889
Calcined	13,978	11,310	19,670	17,127	23,157	20,352
Hong Kong (total imports)	5,700	(a)	(a)	(a)	(a)	(a)
Australia (c)	6	14	5	8	(a)	(a)
New Zealand—						
Crude	15,214	35,098	30,506	39,413	33,866	32,736
Calcined	7,057	18,261	11,107	16,539	20,648	18,346
Irish Republic—						
Calcined, etc.	651	(a)	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Crude	257,752	272,383	249,113	219,701	241,569	263,103
Calcined	39,496	34,805	38,090	37,379	41,760	39,779
Denmark—						
Crude	32,713	35,414	35,407	39,432	36,796	31,688
Calcined	4,235	4,348	5,184	5,362	6,232	6,140
Finland—						
Crude	41,207	38,667	42,048	53,854	45,172	51,424
Calcined	18,463	14,522	18,290	22,040	30,428	32,425
France—						
Crude and calcined	391	484	504	915	14,200	30,432
Germany (Federal)—						
Gypsum and phosphatic						
gypsum	178	4,524	8,505	11,182	14,365	13,555
Iceland	29	33	37	90	44	44
Netherlands—						
Crude	28,119	34,397	79,071	39,164	50,430	57,426
Calcined	31,117	28,101	33,887	36,748	38,436	39,904
Ground	8,865	4,635	204,930	208,525	124,438	25,319

(a) Information not available.

(d) Included under Union of South Africa.

(b) Federation of Rhodesia and Nyasaland.

(e) Including South West Africa.

(c) Year ended June 30 of that stated.

IMPORTS OF GYPSUM (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Norway—						
Crude	26,368	28,940	28,926	32,650	35,553	29,364
Ground	3,597	2,465	3,272	3,168	3,457	9,095
Portugal—						
Crude	5,496	4,535	5,866	6,980	6,950	8,578
Calcined	13	9	10	12	16	16
Sweden—						
Crude	64,151	62,899	83,413	111,848	97,954	106,243
Calcined	13,161	13,092	15,357	17,683	17,280	20,940
Switzerland—						
Ground and calcined ..	210	141	150	192	327	500
Algeria—						
Crude	(a)	(a)	984	—	—	—
Calcined	1,955	2,159	3,614	3,276	3,551	3,652
Angola—						
Crude and calcined ..	211	403	398	509	517	555
Belgian Congo—						
Crude and calcined ..	(a)	(a)	6,349	6,583	13,820	10,763
Egypt—						
Crude and ground ..	473	433	1	—	2	(a)
Calcined	(a)	637	35	21	29	(a)
Madagascar	45	175	72	87	91	136
Morocco (Southern) ..	(a)	331	287	176	148	81
Mozambique—						
Crude	1,713	2,338	3,020	2,099	7,410	6,225
Calcined	52	118	126	229	83	111
Sudan	397	180	254	309	408	(a)
Tunis—						
Crude	—	(a)	984	—	—	—
Calcined	105	(a)	80	79	111	106
Costa Rica	(a)	(a)	(a)	43	56	73
Cuba (total imports) ..	4,460	4,473	3,863	4,416	3,590	(a)
United States—						
Crude	3,068,685	2,757,039	2,843,118	3,007,262	3,540,937	3,881,120
Ground	514	540	534	608	837	1,023
Calcined	269	222	259			
Argentina—						
Crude	(a)	95	—	74	—	—
Brazil (total imports)—						
Crude	248	131	24	28	18	79
Ground	332	66	6	4	—	—
Colombia (total imports)						
Ground, crude ..	5,340	4,275	2,962	3,959	5,628	17,027
do. calcined ..	145	190	305	180	264	334
Peru—						
Crude and calcined ..	40	23	36	32	166	65
Uruguay—						
Crude and ground ..	12,939	9,359	8,213	(a)	(a)	(a)
Venezuela (total imports)	(a)	1,028	1,372	307	(a)	214
Indonesia—						
Crude	3,295	3,184	2,621	1,067	1,328	4,297
Calcined	71	28	52	67	72	93
Israel—						
Crude	—	—	—	—	10	98
Calcined	27	73	62	176	82	71
Japan	12,090	15,715	28,386	60,935	16,416	20,514
Lebanon	12,904	18,278	20,967	16,251	18,527	12,394
Philippine Republic—						
Crude	8,113	6,550	8,871	10,513	13,800	17,788
Calcined	121	37	371	358	641	919
Syria	15	(a)	14	14	(a)	(a)

(a) Information not available.

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

Producing Country	ORE											
	1951	1952	1953	1954	1955	1956	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES												
United Kingdom (b) ...	14,776,600	16,232,200	15,817,500	15,557,200	16,175,100	16,245,400	4,433,000	4,545,000	4,429,000	4,200,000	4,500,000	4,386,000
Northern Rhodesia (c) ...	—	5,943	2,169	961	2,164	3,800	—	3,800	1,300	500	1,100	—
Sierra Leone ...	1,140,325	1,152,459	1,367,046	816,556	1,235,384	1,307,201	681,000	692,000	835,000	506,000	772,000	810,000
Southern Rhodesia ...	51,026	63,808	62,034	63,290	82,888	114,245	29,000	36,700	35,700	36,400	47,700	65,600
South West Africa ...	—	—	—	1,721	—	—	—	—	(a)	(a)	(a)	(a)
Union of South Africa ...	1,398,702	1,731,122	1,939,595	1,863,190	1,967,347	2,031,685	853,000	1,068,000	1,209,000	1,161,000	1,180,000	1,220,000
Canada ...	4,179,027	4,707,008	5,812,330	6,572,855	14,538,551	20,112,778	2,298,000	2,589,000	3,197,000	3,615,000	7,996,000	11,062,000
Hong Kong ...	160,684	127,512	123,200	90,800	115,500	122,963	75,000	60,000	61,000	44,000	66,000	69,000
India ...	3,657,105	3,925,511	3,854,865	4,308,273	4,653,000	4,858,500	2,340,000	2,510,000	2,470,000	2,660,000	2,980,000	3,110,000
Malaya ...	846,803	1,055,506	1,062,678	1,212,780	1,466,184	2,444,570	474,000	591,000	595,000	679,000	821,000	1,370,000
Australia ...	2,436,229	2,907,754	3,298,718	3,518,804	3,572,609	3,923,985	1,605,000	1,883,000	2,132,000	2,274,000	2,304,000	2,543,000
New Zealand (c) ...	2,496	1,823	2,762	2,916	2,550	2,777	(a)	(a)	(a)	(a)	(a)	(a)
TOTAL ...	28,649,000	31,911,000	33,343,000	34,010,000	43,811,000	51,164,000						
FOREIGN COUNTRIES												
Austria ...	2,332,246	2,610,694	2,713,093	2,677,788	2,793,621	3,206,433	740,000	823,000	851,000	836,000	871,000	1,003,000
Belgium ...	80,700	135,358	101,590	83,234	106,471	142,000	28,000	47,000	36,000	29,000	37,000	50,000
Bulgaria ...	—	101,000	111,000	116,000	111,000	232,000	(a)	(a)	(a)	(a)	(a)	(a)
Czechoslovakia (e) (f) ...	1,329,000	1,555,000	1,700,000	1,651,000	1,955,000	2,104,000	400,000	470,000	510,000	500,000	590,000	830,000
Finland (d) ...	—	—	16,431	131,905	181,560	202,912	—	—	10,800	86,700	119,700	133,100
France ...	34,646,641	40,157,499	41,776,954	43,133,433	49,525,500	51,857,000	11,212,000	12,851,000	12,986,000	13,254,000	15,300,000	16,050,000
Germany—												
Federal Republic ...	12,719,000	15,161,000	14,388,000	12,830,000	15,436,000	16,661,000	3,419,000	4,032,000	3,828,000	3,495,000	4,160,000	4,441,000
Eastern ...	481,000	761,000	1,278,000	1,427,000	1,600,000	1,583,000	(a)	(a)	(a)	(a)	(a)	(a)
Greece ...	51,991	155,755	86,938	75,946	139,214	400,721	26,500	80,000	44,000	39,000	96,000	204,000
Hungary ...	306,000	311,000	353,000	421,000	347,000	300,000	95,000	96,000	109,000	131,000	108,000	93,000
Italy ...	567,902	839,219	1,013,358	1,101,036	1,405,366	1,641,935	287,000	421,000	510,000	550,000	710,000	830,000
Luxemburg ...	5,536,277	7,130,442	7,056,411	5,794,000	7,090,818	7,474,900	1,542,000	1,937,000	1,891,000	1,937,000	1,903,000	2,002,000
Norway ...	326,578	757,274	1,167,557	1,077,290	1,235,754	1,526,000	211,000	446,000	701,000	692,000	792,000	977,000
Poland ...	887,000	1,011,000	1,288,000	1,539,600	1,827,000	1,932,100	280,000	320,000	410,000	500,000	600,000	640,000

* 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) Concentrated.
(e) Estimated.
(f) Revised.

PRODUCTION OF IRON ORE (cont.)

Producing Country	ORE										Estimated Iron Content				
	1951	1952	1953	1954	1955	1956	1951	1952	1953	1954	1955	1956			
FOREIGN COUNTRIES															
Portugal	21,045	87,570	142,682	110,516	186,583	233,739	10,523	43,785	71,341	55,528	93,296	116,870			
Roumania (b)	470,000	644,000	680,000	684,000	627,000	683,000	212,000	290,000	300,000	310,000	280,000	310,000			
Spain	2,351,705	2,818,139	2,976,366	2,869,330	3,708,910	4,331,000	1,038,000	1,270,000	1,340,000	1,290,000	1,670,000	1,950,000			
Sweden	15,139,986	16,681,063	16,715,100	15,083,404	17,080,712	18,643,137	9,089,000	9,957,000	10,015,000	9,138,000	10,287,000	(a)			
Switzerland	86,400	104,800	103,600	100,000	127,000	129,000	(a)	(a)	(a)	(a)	(a)	(a)			
U.S.S.R.	44,170,000	51,730,000	58,700,000	63,300,000	70,800,000	76,900,000	29,000,000	31,900,000	34,800,000	36,700,000	41,100,000	44,600,000			
Yugoslavia	572,170	665,333	782,362	1,093,200	1,376,214	1,697,724	257,000	300,000	350,000	490,000	620,000	760,000			
Algeria	2,778,100	3,051,658	3,334,800	2,880,600	3,541,000	2,502,000	1,445,000	1,590,000	1,667,000	1,440,000	1,771,000	1,342,000			
Belgian Congo	—	—	—	3,837	12,288	20,936	(a)	(a)	(a)	(a)	(a)	(a)			
Egypt	843	1,069	602	1,398	1,280	1,280	(a)	(a)	(a)	(a)	(a)	(a)			
French West Africa	—	—	392,335	582,765	640,000	840,000	(a)	(a)	(a)	(a)	(a)	(a)			
Liberia	(b) 170,000	(c) 876,974	1,264,000	(e) 1,190,051	(e) 1,716,932	(e) 2,036,941	116,000	596,000	872,000	800,000	1,159,000	1,385,000			
Morocco (Southern)	553,911	652,425	508,641	335,570	309,550	484,379	246,000	290,000	231,000	151,000	138,000	138,000			
Morocco (Northern)	912,415	919,694	970,613	916,656	1,016,794	1,019,954	550,000	550,000	580,000	610,000	610,000	610,000			
Tunis	908,200	961,600	1,040,351	934,500	1,122,069	1,151,642	485,000	517,000	560,000	510,000	620,000	630,000			
Cuba	—	87,536	196,676	205,000	246,000	246,000	(a)	(a)	(a)	(a)	(a)	(a)			
Dominican Republic	—	18,408	90,216	105,000	99,269	161,695	(a)	(a)	(a)	(a)	(a)	(a)			
Mexico	500,000	557,870	538,550	513,830	(b) 704,000	801,000	307,644	334,000	325,946	308,604	422,467	481,000			
United States (c)	117,597,497	98,818,913	119,101,367	78,627,505	103,812,930	98,529,537	58,000,000	49,000,000	60,000,000	40,000,000	53,000,000	50,000,000			
Argentina (b)	50,000	66,000	72,000	59,500	89,787	64,000	24,000	32,000	35,000	29,000	45,000	32,000			
Brazil	2,368,928	3,112,325	3,560,351	3,022,243	3,328,511	4,021,305	1,590,000	2,090,000	2,350,000	1,960,000	2,160,000	2,610,000			
Chile	3,124,204	2,325,363	2,857,579	2,243,988	1,743,610	2,954,784	1,930,000	1,404,000	1,695,000	1,340,000	1,071,000	1,877,000			
Colombia	—	—	—	81,899	343,461	387,990	(a)	(a)	(a)	(a)	(a)	(a)			
Peru	—	—	1,359,341	2,084,888	1,737,743	2,165,496	(a)	(a)	(a)	(a)	(a)	(a)			
Venezuela	1,249,559	1,938,692	2,260,132	5,334,986	8,306,162	10,840,821	797,000	1,241,000	840,000	1,040,000	1,300,000	1,300,000			
China (b)	4,500,000	6,000,000	8,000,000	10,000,000	12,000,000	14,000,000	(a)	(a)	(a)	(a)	(a)	(a)			
Japan (d)	1,149,325	1,372,918	1,655,857	1,637,574	1,542,384	1,975,117	590,000	726,000	901,000	842,000	1,082,000	1,340,000			
Korea (South)	50	17,145	18,671	30,506	28,164	61,874	(a)	(a)	(a)	(a)	(a)	(a)			
Lebanon	—	7,000	30,000	50,000	42,000	31,403	(a)	(a)	(a)	(a)	(a)	(a)			
Philippine Republic	889,016	1,151,866	1,198,630	1,402,394	1,410,084	1,417,406	516,000	668,000	10,300	15,500	15,500	34,000			
Portuguese India	429,505	478,353	928,794	1,358,845	2,176,074	(b) 2,100,000	237,000	263,000	695,000	813,000	818,000	822,000			
Siam	6,480	2,811	7,559	2,712	5,000	5,684	4,000	1,700	5,000	1,800	3,300	3,800			
Turkey	222,244	474,215	489,428	576,947	860,174	915,784	133,000	284,000	294,000	516,000	516,000	550,000			
TOTAL	250,000,000	267,000,000	303,000,000	268,000,000	324,000,000	340,000,000	340,000,000	340,000,000	340,000,000	340,000,000	340,000,000	340,000,000			
WORLD'S TOTAL	289,000,000	299,000,000	336,000,000	302,000,000	368,000,000	391,000,000	391,000,000	391,000,000	391,000,000	391,000,000	391,000,000	391,000,000			

(a) Information not available.

(b) Estimated.

(c) Usable ore. Including shipments of manganese iron ore up to 35 per cent. Mn.

(d) Including iron sand as follows (long tons): 1951—251,939; 1952—316,920; 1953—532,457; 1954—517,286; 1955—570,628; 1956—905,055.

(e) Exports.

DETAILS OF PRODUCTION OF IRON ORE IN CERTAIN COUNTRIES

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Hematite	444,700	507,900	468,900	466,200	449,700	452,600
Jurassic ironstones—						
Lower lias	3,380,800	3,431,600	3,416,200	3,988,900	4,419,400	4,485,300
Middle lias	3,393,400	3,574,800	3,738,800	3,215,500	3,227,900	3,460,000
Inferior oolite	7,558,200	8,717,900	8,193,500	7,890,200	8,078,000	7,847,500
Other iron ore	—	—	100	400	100	—
Sierra Leone—						
Red ore	552,160	523,852	521,644	247,856	314,720	321,356
Concentrates	519,628	566,332	831,797	568,700	920,664	985,845
Washed fines	68,537	62,275	13,605	—	—	—
Union of South Africa—						
Hematite	1,336,382	1,690,208	1,939,595	(a)	(a)	(a)
Carbonate	62,320	40,914	—	(a)	(a)	(a)
FOREIGN COUNTRIES						
France—						
Phosphoric	32,224,314	37,156,835	38,843,458	40,538,856	46,016,000	48,129,000
Medium phosphoric	2,189,446	2,678,895	2,709,622	2,410,774	3,224,000	3,416,000
Non-phosphoric	232,881	321,770	223,874	183,803	285,000	312,000
Italy—						
Iron ore	544,120	799,241	975,638	1,074,006	1,371,680	1,628,000
Manganiferous iron ore	23,782	39,978	37,720	27,030	33,686	13,300
Luxemburg—						
Siliceous iron ore	1,877,341	2,238,363	2,190,739	2,248,000	2,619,471	2,686,000
Calcareous iron ore	3,499,369	4,586,210	4,425,488	3,137,000	4,069,290	4,302,000
Ferruginous limestone	159,567	305,869	440,184	409,000	402,057	486,000
Portugal—						
Hematite	21,045	85,834	120,367	80,882	137,655	160,450
Magnetite	—	1,736	22,315	29,634	48,928	73,289
Sweden—						
Manganiferous iron ore	5,015	45,300	44,300	8,000	124,000	(a)
Other iron ore	15,134,971	16,635,800	16,671,000	15,075,000	16,957,000	(a)
By phosphorus content						
(b)—						
Under 0.006%	609,967	681,332	643,637	679,946	695,673	(a)
0.006% to under 0.04%	2,574,457	2,364,320	2,261,490	2,280,536	2,436,729	(a)
0.04% to under 0.1%	91,968	652,432	637,269	57,866	319,310	(a)
0.1% to under 0.7%	5,302,119	5,903,774	5,720,671	4,805,223	5,452,146	(a)
0.7% to under 1%	1,468,408	1,721,315	1,593,003	1,263,519	1,228,302	(a)
1% and over	5,093,067	5,357,891	5,859,030	5,996,214	6,948,551	(a)
United States—						
Ore containing less than 5% Mn—						
Hematite (c)	101,530,954	83,515,561	102,553,404	66,384,324	92,957,669	81,143,609
Magnetite (c)	11,390,326	11,068,778	12,585,681	8,593,011	6,550,062	12,445,348
Limonite	3,014,761	2,729,524	2,238,236	2,315,407	2,457,236	3,174,769
Pyrite cinder and sinter	568,631	604,141	617,448	836,052	1,034,002	1,085,210
Ore containing 5 to under 10% Mn	998,001	805,992	863,082	498,511	813,961	607,724
Ore containing 10 to under 35% Mn	94,824	94,917	243,516			

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom	779	564	677	895	1,314	786
Sierra Leone	1,184,735	1,378,959	1,200,240	877,306	1,331,573	1,328,019
Union of South Africa	22,075	—	3,588	473	4,281	27,867
Canada	2,880,149	3,434,820	4,303,550	5,470,480	13,008,000	18,094,080
Hong Kong	171,362	114,031	116,392	85,967	123,698	123,705
India	197,005	669,986	1,094,570	1,055,671	1,297,447	1,692,626
Malaya	782,665	1,007,489	1,018,336	1,060,382	1,592,268	2,376,485
Irish Republic— Burnt pyrites	26,937	24,233	14,962	17,396	27,627	31,322
FOREIGN COUNTRIES						
Austria	177,853	272,427	192,251	44,299	39,415	53,628
Belgium-Luxemburg E.U.—						
Iron ore	200,160	441,302	870,086	137,807	415,918	608,429
Burnt pyrites	5,002	140,563	111,824	200,436	215,027	284,094
Denmark—						
Bog ore (c)	54,864	175,764	131,062	81,417	104,791	143,497
Burnt pyrites	66,835	55,473	63,077	73,350	86,643	90,114
Finland—						
Iron ore	816	470	8,136	(d) 166,799	(d) 276,506	(d) 312,151
Burnt pyrites	(a)	(a)	139,491	96,658	102,905	211,712
France—						
Iron ore	9,682,472	9,225,370	9,837,459	10,950,120	13,488,215	13,719,959
Burnt iron pyrites	562,942	577,257	389,769	352,236	432,183	449,624
Germany (Federal) (b)	75,223	166,310	193,379	282,825	332,994	354,166
Greece	84,920	110,578	97,402	72,610	205,541	403,307
Italy—						
Iron ore	69,473	6,706	4,121	11	47,035	41,051
Burnt iron pyrites	411,353	384,939	426,791	390,710	319,272	361,028
Netherlands—						
Iron ore	—	155	535	405	331	3,073
Burnt iron pyrites	318,787	323,447	258,561	302,830	389,180	381,703
Norway—						
Iron ore	264,830	699,578	894,424	895,556	1,164,163	1,242,322
Burnt pyrites	63,859	117,502	57,029	67,454	95,075	74,420
Portugal—						
Iron ore	—	118,527	132,769	103,894	165,805	236,285
Burnt pyrites	198,736	319,465	141,968	15,443	1	185,801
Spain	1,525,465	1,728,237	1,446,225	1,160,464	2,109,864	3,207,586
Sweden—						
Iron ore	14,760,104	15,415,625	14,323,156	13,860,579	15,406,767	17,031,691
Burnt iron pyrites	244,987	211,027	130,982	135,073	157,157	166,061
Switzerland	98,525	109,304	104,284	126,757	108,978	134,840
Yugoslavia	276,679	152,857	3,989	15,731	—	—
Algeria	2,796,878	3,073,489	3,198,394	2,863,965	3,567,422	2,450,057
French West Africa	—	3,344	346,539	584,618	665,324	819,844
Liberia	170,000	876,974	1,410,773	1,218,960	1,716,932	2,036,941
Morocco (Southern)	560,673	641,279	522,875	319,992	283,814	381,143
Morocco (Northern)	952,829	980,930	912,949	788,204	1,002,701	(a)
Tunis	896,748	976,864	1,019,437	891,542	1,090,045	1,164,661

(a) Information not available.
(b) Including burnt pyrites.

(c) Used for purposes other than iron making.
(d) Including ilmenite. See page 334.

EXPORTS OF IRON ORE (*cont.*)

Exporting Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (<i>cont.</i>)						
Cuba	9,203	96,086	205,882	77,744	120,571	133,024
Dominican Republic	—	18,408	90,216	93,709	99,269	160,144
Mexico	174,188	112,001	239,048	142,544	182,935	132,503
United States	4,328,910	5,122,644	4,251,365	3,145,714	4,516,828	5,491,246
Brazil	1,309,139	1,536,163	1,522,800	1,651,937	2,524,047	2,701,511
Chile	2,644,169	1,798,637	2,403,038	1,692,737	1,217,070	(a)
Peru	—	—	875,648	1,896,975	1,669,830	2,631,339
Venezuela	682,449	1,881,042	1,941,614	5,362,690	^b 7,120,221	10,721,060
Lebanon	(a)	—	21,948	39,368	41,976	31,403
Philippine Republic	923,028	1,202,667	1,186,955	1,276,591	1,400,738	1,928,222
Portuguese India (c)	280,610	464,596	852,762	1,228,114	1,498,052	2,014,444
Turkey	(a)	93,905	109,823	168,005	336,820	235,372
New Caledonia	2,923	2,461	—	—	—	21,159

(a) Information not available.

(b) Imports into the United States.

(c) Revised.

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

Importing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom	8,747,480	9,690,534	10,981,013	11,611,257	12,859,343	14,330,104
Canada	3,420,909	3,810,409	3,721,046	2,709,992	4,052,483	4,525,769
India	533	15	511	618	1,271	584
Australia (c)	8,192	12	2,836	3	17	41
Irish Republic	576	1,000	5	807	1,715	784
FOREIGN COUNTRIES						
Austria—						
Iron ore	193,151	602,201	412,051	250,765	840,207	994,492
Burnt pyrites	342,553	370,690	346,266	328,462	321,898	351,626
Belgium-Luxemburg						
E.U.—						
Iron ore	10,569,420	10,826,780	11,613,471	12,522,507	14,730,547	15,410,093
Burnt iron pyrites	67,672	56,895	61,567	94,123	85,708	89,932
Denmark (b)	3,512	3,139	3,684	1,831	7,998	11,336
Finland	176,908	97,637	22,018	105,663	139,370	115,136
France	315,251	430,840	973,425	306,537	544,216	637,210
Germany (Federal)—						
Iron ore	7,580,102	9,489,280	9,889,414	8,615,787	14,098,915	17,543,584
Burnt pyrites	(a)	1,613,690	1,850,692	1,390,842	1,610,672	2,365,977
Italy	395,657	698,406	722,276	622,605	822,567	1,260,244
Netherlands	987,873	1,162,968	1,247,267	1,101,811	1,042,679	1,352,751
Norway	817	4,562	6,394	6,165	3,561	96
Poland	(a)	(a)	3,048,000	4,040,000	4,337,000	4,700,000
Spain	224,047	297,531	268,388	361,971	253,278	(a)
Sweden	510	340	136	271	751	522
Switzerland	95,889	92,640	56,753	64,914	72,724	61,469
Algeria	986	—	—	20	(a)	—
United States—						
Iron ore	10,139,678	9,760,625	11,074,035	15,777,824	23,443,220	30,412,018
Burnt pyrites	8,675	11,149	12,053	898	3,879	1,430
Formosa	(a)	10,273	14,107	3,021	14,842	15,164
Japan	3,040,010	4,692,833	4,222,444	4,925,743	5,373,233	7,732,133

(a) Information not available.

(b) Bog ore and burnt pyrites.

(c) Years ended June 30 of that stated.

PRODUCTION OF PIG-IRON AND FERRO-ALLOYS*

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom ..	9,668,800	10,727,700	11,174,800	11,883,400	12,470,000	13,170,100
Southern Rhodesia ..	31,641	38,588	35,233	36,485	55,733	58,827
Union of South Africa ..	791,840	1,111,000	1,203,300	1,178,000	1,279,500	1,331,000
Canada	2,517,094	2,601,520	2,826,721	2,077,829	3,018,254	3,402,108
India	1,823,946	1,852,910	1,776,269	1,961,919	1,894,758	1,958,083
Australia (b)	1,325,145	1,549,157	1,842,408	1,856,013	1,797,533	2,073,201
TOTAL (e)	16,158,500	17,880,900	18,858,700	18,993,600	20,516,000	21,993,000
FOREIGN COUNTRIES						
Austria	1,032,862	1,154,309	1,299,849	1,332,175	1,482,500	1,709,248
Belgium	4,791,232	4,713,947	4,143,343	4,552,045	5,302,000	5,669,659
Czechoslovakia	2,050,000	2,290,000	2,750,000	2,760,000	2,950,000	3,230,000
Finland	99,919	106,718	78,236	73,431	112,427	101,335
France (d)	8,611,726	9,615,007	8,529,329	8,701,378	10,787,058	11,299,000
Germany—						
Federal Republic	10,528,000	12,673,000	11,469,668	12,314,000	16,222,000	17,299,000
Eastern	336,000	641,000	1,051,000	1,282,000	1,492,000	1,549,000
Hungary	519,000	610,000	705,000	830,000	854,000	(f) 732,000
Italy	1,032,735	1,186,591	1,288,559	1,324,398	1,706,328	1,964,256
Luxemburg	3,107,207	3,027,405	2,679,000	2,756,000	3,036,000	3,260,561
Netherlands	515,486	530,174	584,093	600,900	659,000	651,200
Norway	241,064	268,812	273,067	242,862	349,951	443,000
Poland	1,552,000	1,754,000	2,321,600	2,620,700	3,062,900	3,450,800
Roumania	344,000	384,000	449,000	425,000	560,500	573,000
Saar	2,332,197	2,510,086	2,344,295	2,457,933	2,833,234	2,983,085
Spain	659,027	771,985	809,330	890,847	978,821	940,779
Sweden	891,282	1,096,001	1,040,601	985,406	1,226,991	1,385,697
Switzerland	43,000	42,600	41,700	36,700	54,100	41,600
U.S.S.R.	21,600,000	24,700,000	27,000,000	29,500,000	32,800,000	35,200,000
Yugoslavia	258,480	283,863	275,926	361,943	522,067	636,078
Mexico	249,884	298,888	238,429	247,823	320,771	401,860
United States	64,686,199	56,566,031	68,973,364	53,398,430	70,771,308	69,263,802
Argentina	18,721	31,262	35,758	38,971	35,000	28,000
Brazil	(f) 759,830	(f) 802,828	880,295	1,087,830	1,069,747	1,152,855
Chile	236,000	265,660	281,310	300,320	251,540	361,750
Colombia	—	—	—	86,703	97,284	113,926
China (c)	1,500,000	1,900,000	2,200,000	3,100,000	3,700,000	4,700,000
Japan	3,176,600	3,528,695	4,579,812	4,679,393	5,356,857	6,168,052
Turkey	150,969	192,988	209,166	191,264	196,116	216,653
TOTAL	131,300,000	131,900,000	146,500,000	137,100,000	168,800,000	175,500,000
WORLD'S TOTAL ..	147,500,000	149,800,000	165,400,000	156,100,000	189,300,000	197,500,000

* For details see page 148.

(a) Information not available.

(b) Revised. Figures now relate to calendar years.

(c) Estimated.

(d) Excluding electric furnace ferro-alloys.

(e) Revised.

(f) Excluding ferro-alloys.

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

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Hematite	1,333,000	1,426,100	1,391,800	1,436,300	1,414,700	1,547,400
Basic	6,674,700	7,528,100	8,069,700	8,772,100	9,295,500	9,981,800
Foundry	1,417,100	1,522,000	1,465,800	1,441,100	1,509,300	1,411,600
Forge	69,500	74,100	52,300	45,400	56,600	45,000
Direct castings	2,200	1,800	1,500	1,900	700	1,000
Spiegeleisen (b)	28,800	31,100	29,600	29,700	28,300	29,400
Ferro-manganese (b)	143,500	144,500	164,100	156,900	164,900	153,900
Union of South Africa—						
Pig-iron	774,000	1,082,500	1,173,000	1,152,600	1,239,800	1,278,400
Ferro-alloys	17,900	28,500	30,300	25,400	39,700	52,600
Canada—						
Basic	1,775,841	1,833,653	2,175,450	1,554,207	2,313,789	2,671,538
Foundry	273,450	197,102	163,233	149,818	158,037	130,970
Malleable	230,078	363,518	350,842	270,107	397,605	383,382
Ferro-alloys	237,725	207,247	137,196	103,697	148,823	216,218
India—						
Basic	1,420,950	1,464,456	1,318,540	1,344,780	1,277,557	1,367,276
Foundry	287,209	219,808	335,881	448,064	479,393	440,056
Direct castings	91,881	129,778	114,934	127,814	125,882	122,198
Ferro-alloys	23,906	38,868	6,914	41,261	11,926	28,553
FOREIGN COUNTRIES						
Belgium—						
Basic	4,569,414	4,502,179	3,976,997	4,309,878	5,126,000	5,483,000
Forge	42,247	30,274	33,733	18,720		
Foundry	165,885	169,860	112,795	107,302	176,000	183,300
Ferro-alloys	13,505	11,634	19,818	16,145		
France (c)—						
Phosphoric						
(over 1.4% P)—						
Basic	6,880,126	7,777,162	7,115,714	7,358,324	9,153,762	(a)
Foundry	347,504	290,825	207,933	184,255	194,724	229,000
Semi-phosphoric (from						
0.5% to 1.4% P)—						
Foundry	360,071	366,689	345,640	335,745	353,221	366,000
Open hearth, basic	47,188	26,719	7,358	168	6,221	—
Hematite (less than						
0.5% P)—						
Foundry	196,318	260,012	193,394	209,883	258,812	256,000
Open hearth	262,291	316,202	166,796	137,043	244,285	279,000
Bessemer						
Spiegeleisen	146,169	179,115	153,827	130,039	124,041	140,000
Ferro-manganese	112,242	111,425	131,717	131,483	199,782	242,000
Other pig-iron and	259,817	286,858	206,950	214,491	252,210	(a)
ferro-alloys						
Germany (Federal)—						
Hematite	402,000	499,000	401,728	575,000	734,000	823,000
Malleable	217,000	201,000	176,055			
Basic	6,419,000	8,008,000	7,364,628	7,797,000	10,410,000	11,131,000
Foundry	776,000	873,000	594,441	728,000	855,000	749,000
Stahleisen	2,220,000	2,554,000	2,479,820	2,763,000	3,658,000	3,941,000
Spiegeleisen	106,000	134,000	99,970	177,000	238,000	328,000
Ferro-manganese	72,000	107,000	146,277			
Siegerland special	86,000	108,000	85,516	274,000	326,000	328,000
Other pig-iron	193,000	135,000	86,487			
Ferro-silicon	37,000	54,000	34,746			

(a) Information not available.

(b) Blast furnace ferro-alloys.

(c) Excluding electric furnace ferro-alloys.

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

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Italy—						
Pig-iron	937,570	1,084,883	1,203,015	1,236,638	1,599,249	1,843,838
Spiegeleisen	18,665	10,626	14,317	10,806	13,492	19,048
Ferro-manganese	20,466	30,395	18,928	32,360	39,197	43,383
Ferro-silicon	28,455	37,400	27,472	18,995	26,769	32,615
Silico-manganese	8,641	10,996	7,887	9,503	11,084	10,840
Ferro-chrome	3,288	2,462	2,784	1,779	3,013	3,447
Ferro-titanium	135	100	128	165	142	174
Ferro-tungsten	78	53	17	65	84	59
Ferro-vanadium	32	64	27	38	79	37
Ferro-molybdenum	67	206	42	233	346	383
Silico-aluminium	613	528	654	450	535	609
Other ferro-alloys	14,725	8,878	13,288	13,366	12,338	9,668
Luxemburg—						
Basic	3,107,207	3,027,405	2,679,000	2,756,000	3,036,000	3,260,561
Norway—						
Pig-iron	53,207	57,379	57,915	58,974	121,384	(a)
Ferro-silicon	67,402	81,965	93,005	96,747	106,604	(a)
Other ferro-alloys	120,455	129,468	122,147	86,141	121,963	(a)
Saar—						
Basic	2,154,999	2,311,257	2,144,518	2,244,614	2,588,566	2,731,387
Foundry—						
Hematite	30,624	16,351	199,777	213,319	244,668	251,698
Phosphoric	116,124	110,345				
Other pig-iron and ferro-alloys	30,450	72,133				
Spain—						
Pig-iron	639,892	749,068	787,086	864,586	948,121	910,092
Ferro-manganese	11,763	11,940	12,708	15,637	21,094	21,613
Ferro-silicon	6,933	10,665	9,283	10,204	9,295	8,763
Ferro-tungsten	74	59	32	35	40	47
Ferro-chrome	165	253	221	385	271	264
Silico-manganese	203	(b)	(b)	(b)	(b)	(b)
Sweden—						
Pig-iron	838,029	1,033,749	985,044	924,186	1,157,017	1,307,511
Spiegeleisen	1,268	947	640	—	—	—
Ferro-manganese	9,314	11,320	9,453	11,018	14,772	13,558
Ferro-silicon	13,862	16,503	15,155	13,673	11,186	14,010
Ferro-silico-manganese	2,879	5,455	4,897	9,585	9,485	10,911
Ferro-chrome	18,761	20,345	20,924	18,267	23,817	26,578
Ferro-titanium	25	86	86	30	55	51
Ferro-tungsten	815	445	243	359	467	438
Ferro-molybdenum	680	691	436	593	1,110	1,278
Ferro-vanadium	139	118	30	62	200	162
Metallic silicon	3,802	4,106	3,255	4,832	3,773	3,776
Silico-chrome	1,003	1,878	124	2,276	4,428	6,827
Other ferro-alloys	705	368	314	524	681	597
Yugoslavia—						
Pig-iron	244,512	268,574	265,488	350,574	505,682	620,615
Ferro-alloys	13,968	15,289	10,438	11,369	16,385	15,463
United States—						
Basic	48,404,026	42,420,704	53,466,529	41,984,977	55,790,079	55,034,596
Bessemer	8,076,745	6,647,960	7,241,858	5,022,771	6,639,602	5,950,854
Low phosphorus	281,004	274,534	265,237	189,190	234,854	450,169
Foundry	2,723,773	2,384,116	2,233,032	2,029,493	2,459,501	2,141,380
Malleable	3,003,008	2,785,864	3,378,980	2,347,912	3,153,054	3,095,640
Other pig-iron	256,335	230,516	290,640	180,610	345,604	352,796
Ferro-manganese and spiegeleisen	773,040	732,864	899,329	669,119	852,834	864,291
Ferro-silicon	820,612	668,803	689,588	568,477	717,215	722,576
Other ferro-alloys	347,656	420,670	508,171	405,881	578,565	651,498

(a) Information not available.

(b) Included with ferro-manganese.

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

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Brazil—						
Pig-iron	763,988	798,727	866,166	1,071,750	1,051,637	1,134,705
Spiegeleisen	(a)	(a)	685	701	670	—
Ferro-chrome	(a)	(a)	378	434	450	258
Ferro-manganese	(a)	(a)	6,000	8,188	9,251	9,879
Ferro-nickel	(a)	(a)	(a)	(a)	211	319
Ferro-silicon	(a)	(a)	4,206	3,892	5,224	4,668
Ferro-silico-manganese	(a)	(a)	2,861	2,865	2,304	2,956
Japan—						
Pig-iron	3,077,700	3,419,400	4,446,782	4,535,527	5,145,627	5,892,546
Spiegeleisen	700	1,443	1,760	3,775	2,818	4,985
Ferro-chrome	3,800	4,418	7,700	12,644	13,565	29,194
Ferro-manganese	69,000	68,194	78,855	68,135	110,327	129,714
Ferro-molybdenum	100	160	374	682	571	1,172
Ferro-phosphorus	1,900	527	589	1,680	1,723	2,003
Ferro-silicon	16,500	20,487	22,307	27,032	30,656	42,693
Ferro-titanium	(a)	96	75	71	137	180
Ferro-tungsten	500	190	211	206	341	620
Ferro-nickel	(a)	1,448	4,856	7,692	11,885	20,576
Silico-manganese	6,300	10,955	14,370	16,699	32,191	36,524
Calcium-silicon	(a)	1,443	1,778	1,808	1,751	2,835
Other ferro-alloys	100	—	155	3,442	5,196	5,010

(a) Information not available.

PRODUCTION OF STEEL INGOTS AND CASTINGS*

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom ..	15,638,500	16,417,900	17,608,500	18,519,700	19,790,600	20,658,900
Southern Rhodesia ..	27,321	35,712	24,599	32,631	51,341	(g) 55,378
Union of South Africa (c)	933,131	1,183,600	1,221,300	1,355,100	1,500,800	1,525,300
Canada	3,186,357	3,306,349	3,675,061	2,852,705	4,044,108	4,737,326
India	1,499,703	1,578,180	1,506,538	1,684,754	1,704,259	1,737,929
Australia (b) ..	1,462,751	1,625,940	2,043,123	2,210,611	2,200,555	2,602,130
TOTAL (f)	22,747,700	24,147,600	26,079,100	26,655,500	29,291,700	31,317,000
FOREIGN COUNTRIES						
Austria	1,011,559	1,039,912	1,263,036	1,626,881	1,794,163	2,044,736
Belgium	4,973,797	4,987,334	4,425,624	4,893,996	5,806,900	6,285,659
Bulgaria	—	—	12,600	61,100	72,500	127,500
Czechoslovakia (f)	3,401,000	3,696,000	4,297,000	4,205,000	4,403,000	4,805,000
Finland	130,086	146,039	144,365	174,306	176,023	193,920
France	9,679,536	10,695,061	9,839,076	10,459,154	12,392,937	13,186,000
Germany—						
Federal Republic ..	13,293,000	15,556,000	15,176,422	17,159,000	20,999,000	22,823,000
Eastern	1,527,000	1,863,000	2,143,000	2,307,000	2,468,000	2,697,000
Hungary	1,270,000	1,436,000	1,519,000	1,467,000	1,603,000	1,402,000
Italy	3,014,594	3,479,289	3,444,963	4,140,420	5,309,438	5,814,327
Luxemburg	3,028,421	2,954,297	2,617,000	2,783,000	3,174,390	3,401,136
Netherlands	545,500	674,173	845,934	912,900	957,800	1,033,600
Norway	86,200	96,519	108,783	118,741	168,213	282,000
Poland	2,748,000	3,133,000	3,547,000	3,886,800	4,356,500	4,935,100
Roumania (d)	636,000	687,000	708,000	617,000	753,000	769,500
Saar	2,561,575	2,778,235	2,641,149	2,760,346	3,115,053	3,320,808
Spain	805,261	892,967	882,621	1,079,631	1,193,283	1,223,305
Sweden	1,480,170	1,639,365	1,731,079	1,810,850	2,092,950	2,365,557
Switzerland	142,000	154,000	155,000	148,000	163,000	168,000
U.S.S.R.	30,900,000	33,900,000	37,500,000	40,700,000	44,600,000	47,800,000
Yugoslavia	426,848	435,368	506,607	606,367	793,293	872,726
Mexico	459,312	524,869	516,738	599,825	713,894	865,011
United States (e) ..	93,928,436	83,185,749	99,651,535	78,849,689	104,496,504	102,871,562
Argentina (f)	129,514	124,414	171,622	183,176	214,240	(a)
Brazil (g)	829,663	879,220	1,000,248	1,130,186	1,144,106	1,343,285
Chile	175,500	241,400	308,130	316,000	304,240	375,000
Colombia	—	—	—	—	76,265	88,955
China (d)	880,000	1,370,000	1,800,000	2,190,000	2,740,000	4,280,000
Japan	6,399,100	6,877,800	7,541,100	7,627,517	9,259,113	10,930,977
Turkey	133,270	151,041	160,032	166,226	188,518	189,939
TOTAL	184,600,000	183,600,000	204,700,000	193,100,000	235,400,000	246,700,000
WORLD'S TOTAL ..	207,400,000	207,700,000	230,700,000	219,800,000	264,700,000	278,000,000

* For details see page 152.

(a) Information not available.

(b) Revised. Figures now relate to calendar years.

(c) Excluding steel castings for which the amounts produced for sale were 57,753 tons, 54,500 tons, 56,200 tons, 52,700 tons, 54,100 tons and 52,500 tons in 1951, 1952, 1953, 1954, 1955 and 1956 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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ingots and castings—						
Open hearth, acid ..	1,259,400	1,238,800	1,132,500	995,400	1,000,200	985,700
do. basic ..	12,277,400	12,922,600	14,297,600	15,248,900	16,252,200	17,017,500
Bessemer, acid ..	241,400	245,900	263,400	264,500	252,200	230,100
do. basic ..	862,100	887,200	797,600	909,400	1,031,600	1,078,300
Ingots, electric ..	574,800	630,000	619,300	621,000	737,400	792,500
Castings, electric ..	244,500	300,200	310,400	308,400	361,000	405,200
All other ingots and castings ..	178,900	193,200	187,700	172,100	156,000	149,600
Southern Rhodesia—						
Ingots	26,125	34,497	23,687	31,492	47,769	55,378
Castings	1,196	1,215	912	1,139	3,572	(a)
Union of South Africa—						
Ingots—						
Open hearth and bessemer	828,600	1,082,900	1,118,900	1,244,800	1,378,800	1,396,500
Electric	104,500	100,700	102,400	110,300	122,100	128,800
Castings (b)	57,753	54,500	56,200	52,700	54,100	52,500
Canada—						
Ingots—						
Open hearth, basic ..	2,604,469	2,694,368	3,144,678	2,435,473	3,497,367	4,132,835
do. electric	473,328	500,059	435,276	344,697	468,475	496,832
Castings—						
Open hearth, basic ..	27,462	30,964	27,148	19,968	23,217	28,681
Bessemer	252	338	227	85	146	257
Electric	80,846	80,620	67,732	52,482	54,903	78,721
India—						
Ingots—						
Open hearth, basic ..	1,387,618	1,464,867	1,381,571	1,553,768	1,578,178	1,624,948
do. acid	37,243	37,580	37,495	31,263	25,830	—
Electric	53,270	52,288	61,806	69,345	66,713	70,994
Castings	21,572	23,445	25,666	30,378	33,538	41,987
FOREIGN COUNTRIES						
Belgium—						
Ingots, open hearth ..						
do. bessemer, basic ..	599,573	616,950	493,975	485,228	626,000	684,000
do. electric	4,200,659	4,145,493	3,741,019	4,243,509	4,901,000	5,199,000
do. electric	110,508	159,051	127,971	109,715	167,700	276,100
Castings	63,057	65,840	62,659	55,544	112,200	120,100
France—						
Ingots and castings—						
Bessemer, acid	75,442	72,581	79,182	77,255	78,631	79,000
do. basic	5,746,954	6,502,072	5,936,789	6,214,277	7,559,856	7,914,000
Open hearth, acid ..	6,214	2,256	2,236	—	950	(a)
do. basic	3,093,607	3,325,258	3,143,157	3,343,421	3,838,241	4,197,000
Crucible	3,686	3,819	2,691	3,124	2,901	3,000
Electric	753,633	789,075	675,021	821,077	912,358	994,000
Of which—						
Ingots	9,450,718	10,695,060	9,604,977	10,227,524	12,152,464	12,949,000
Castings	228,818	230,341	234,099	231,630	240,473	237,000
Germany (Federal)—						
Ingots—						
Open hearth	6,958,000	7,846,000	8,211,196	9,478,000	10,964,000	11,708,000
Bessemer, basic ..	5,597,000	6,825,000	6,104,747	6,732,000	8,806,000	9,647,000
do. acid	—	127,000	55	—	—	—
Electric	307,000	373,000	370,974	476,000	656,000	848,000
Other	31,000	32,000	24,399	6,000	3,000	1,000

(a) Information not available.

(b) Produced for sale.

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

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)- <i>(cont.)</i>						
Castings—						
Open hearth ..	179,000	200,000	189,587	168,000	198,000	208,000
Bessemer	105,000	6,000	111,981	—	—	—
Electric	100,000	128,000	143,145	190,000	253,000	287,000
Other	16,000	19,000	20,338	108,000	117,000	123,000
Italy—						
Ingots	2,916,630	3,369,519	3,339,683	4,029,464	5,179,736	5,683,269
Castings	97,964	109,770	105,280	110,956	129,702	131,058
Luxemburg—						
Bessemer, basic ..	2,958,858	2,896,796	2,568,000	2,735,000	3,106,529	3,321,667
Electric	69,563	57,501	49,000	48,000	67,861	79,469
Norway—						
Ingots	77,200	84,064	95,371	104,982	154,110	(a)
Castings	9,000	12,455	13,412	13,759	14,103	(a)
Saar—						
Ingots—						
Open hearth ..	553,118	634,384	637,839	662,618	684,148	734,549
Bessemer, basic ..	1,937,479	2,074,857	1,947,383	2,036,009	2,362,828	2,508,279
Electric	46,766	43,261	29,538	38,050	41,235	44,413
Castings—						
Open hearth ..	2,904	4,380	5,332	4,946	4,974	7,173
Bessemer, acid ..	3,793	4,122	4,122	2,792	1,660	274
Electric	17,515	17,231	16,935	15,931	20,208	26,120
Spain—						
Open hearth and bessemer	706,750	784,582	739,915	911,355	995,375	975,120
Electric	98,511	108,385	142,706	168,276	197,908	248,185
Sweden—						
Open hearth, acid ..	211,038	218,949	193,727	213,061	238,204	274,875
do. basic	494,249	535,817	505,827	496,068	527,645	556,324
Bessemer, acid ..	28,236	30,646	28,238	28,648	37,246	43,122
do. basic	143,076	125,783	205,738	293,586	358,526	412,091
Electric	603,751	728,170	797,548	779,487	931,329	1,058,131
Other	—	—	—	—	—	21,014
Yugoslavia—						
Open hearth	412,821	418,668	487,607	578,765	746,844	819,002
Electric	14,027	16,700	19,000	27,602	46,449	53,724
United States—						
Ingots—						
Open hearth, acid ..	540,169	481,525	453,370	219,062	(c) 495,399	(c) 600,532
do. basic	82,423,536	73,283,539	89,050,585	71,380,259	c93,575,509	c91,221,419
Bessemer	4,366,916	3,146,140	3,442,594	2,275,093	2,963,854	2,882,140
Crucible and electric	6,288,720	5,985,477	6,451,812	4,804,650	7,461,742	(c)8,167,471
Castings (b)—						
Open hearth, acid ..	155,430	146,188	123,500	55,819	} (d)173,352	} (d)247,967
do. basic	65,256	58,782	81,316	65,837		
Electric	88,409	84,098	48,358	48,969		
Japan—						
Open hearth	5,290,000	5,747,137	6,183,701	6,265,084	7,690,201	8,825,319
Bessemer, basic ..	193,000	196,843	339,003	357,968	400,267	441,847
Electric	916,100	934,007	1,018,444	1,004,465	1,168,645	1,663,811

(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.

(d) Included with ingots.

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

(Domestic Produce)

(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Pig-iron—						
Forge and foundry ..	3,641	119	1,257	18,578	29,058	86,550
Refined	11,986	4,410	4,825	7,158	12,020	42,811
Other	340	196	303	18,012	10,097	14,174
Spiegeleisen and ferro-						
manganese	1,437	1,785	950	8,903	1,195	966
Ferro-tungsten	394	96	133	398	587	1,161
Ferro-molybdenum	78	232	312	248	430	439
Ferro-titanium	535	519	366	304	308	662
Ferro-vanadium	58	73	125	6	23	9
Other ferro-alloys	358	621	898	1,237	1,646	2,496
Iron and steel ingots	130	22	64	103	250	
Blooms, billets and						
slabs—						
Iron	7	10	132	51	76	} 1,951
Steel	4,407	87	512	1,950	2,863	
Special steel	721	40	300	651	379	
Old and scrap (b)	2,378	545	1,743	6,287	9,111	5,948
Channel Islands (Jersey)—						
Scrap	1,836	1,497	2,804	1,131	2,562	(a)
Malta—						
Scrap	(a)	(a)	(a)	11,267	9,047	8,915
Nigeria—						
Scrap	(a)	(a)	(a)	1,052	2,839	10,923
Southern Rhodesia—						
Pig-iron	8,162	3,666	4,671	1,927	195	5,022
Ferro-chrome	(a)	(a)	247	2,294	6,616	7,650
Ferro-silicon	(a)	(a)	(a)	394	93	64
Union of South Africa—						
Pig-iron	3,163	8,390	5,339	42,315	21,614	649
Ferro-alloys	1,900	5,540	7,899	5,599	19,171	31,817
Ingots, blooms, billets,						
etc.	56	117	17	34	(a)	(a)
Tool and drill steel	252	137	51	66	(a)	(a)
British West Indies—						
Trinidad and Tobago—						
Old and scrap	600	10,407	16,058	6,684	10,974	11,604
Canada—						
Pig-iron	199,674	335,703	308,406	180,896	227,207	230,024
Spiegeleisen	—	—	508	—	—	210
Ferro-chrome	39,046	39,545	30,200	13,664	11,030	8,837
Ferro-manganese	60,275	27,937	610	3,249	26,254	53,076
Ferro-silicon	69,262	71,574	48,578	30,984	52,290	68,438
Other ferro-alloys	1,466	2,993	471	761	966	554
Billets, ingots and						
blooms	34,855	50,292	113,404	4,773	237,919	44,246
Old and scrap	35,539	78,382	366,079	499,349	529,221	589,395
Tin-plate scrap	23,266	25,347	23,301	25,542	29,100	28,823
Hong Kong (including						
re-exports)—						
Pig-iron	34	—	—	2	—	1,701
Special steel	1,624	2	34	24	45	73
Old and scrap	57,564	42,265	41,321	35,127	64,057	96,897
Tinplate scrap	(a)	(a)	1,372	2,866	2,359	2,444
India—						
Pig-iron	51,399	9,234	17,700	11,279	38,568	13,686
Old and scrap	32,457	324,735	390,795	126,126	148,057	175,707

(a) Information not available.

(b) Excluding ships intended for breaking up as follows (long tons):—1951—314; 1952—Nil; 1953—Nil; 1954—32,200; 1955—8,602; 1956—10,658.

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Malaya (including re-exports)—						
Pig-iron	332	169	76	160	274	277
Ingots, slabs etc.	(a) 37	(a) 300	36	555	105	166
Scrap	38,878	110,739	82,955	50,772	57,111	115,147
Tin-plate scrap	1,080	1,986	1,613	2,419	2,684	2,601
Australia (b)—						
Pig-iron	4,921	13,931	161,131	116,311	60,278	14,425
Ferro-alloys	131	70	185	8	11	1
Ingots, blooms and billets	1,765	2,011	78,446	106,061	7,806	987
Old and scrap	6,851	3	26,665	119,337	49,835	57,545
Tin-plate scrap	10,735	9,858	11,180	8,394	11,642	9,519
New Zealand—						
Scrap	8,926	12,643	33,831	19,728	26,224	53,131
Irish Republic—						
Old and scrap	8,082	12,183	18,520	15,216	19,688	18,523
FOREIGN COUNTRIES						
Austria—						
Pig-iron	354,367	521,859	519,648	293,770	317,909	333,178
Iron ingots and bars	37	300	83,605	40,088	37,501	61,619
Steel ingots and bars	25,593	27,293	131	—	261	25
Scrap	2,382	11,372	10,072	4,795	2,117	3,123
Belgium-Luxemburg						
E.U.—						
Pig-iron	40,252	12,987	21,657	42,696	35,932	19,516
Spiegeleisen				4,677	4,678	3,769
Ferro-manganese	68	111	10	3,230	7,044	4,477
Other ferro-alloys	5	43	6	7	54	68
Crude iron and steel ingots	27,758	6,243	10,290	1,107	3,014	8,822
Steel blooms and billets	391,171	515,372	340,015	365,865	408,725	355,264
Special steel	11,216	17,513	2,173	1,918	2,176	5,426
Old and scrap	10,315	55,661	175,806	182,947	83,963	36,975
Denmark—						
Old and scrap	9,308	12,010	19,389	20,115	26,242	24,824
Finland—						
Pig-iron	13,447	7,056	3,026	1,031	15,369	1,838
Ferro-alloys	265	—	—	—	6	2
Old and scrap	552	358	2,392	963	1,097	2,077
France—						
Pig-iron	323,062	309,954	273,959	117,295	407,674	243,870
Spiegeleisen	9,818	10,770	1,209	1,212	5,500	4,725
Ferro-manganese	28,846	18,287	42,460	54,891	96,742	116,866
Ferro-silicon	11,562	4,074	2,539	8,096	12,018	4,055
Ferro-chrome	4,338	4,599	6,232	6,051	11,615	10,130
Other ferro-alloys	893	917	1,631	1,888	3,051	914
Ingots	13,706	2,080	13,643	11,146	48,744	79,363
Blooms and billets, forged or rolled	285,788	174,808	324,682	432,739	432,417	200,620
Old, filings and scrap	160,227	87,170	68,584	852,038	659,211	544,448
Germany (Federal)—						
Pig-iron	453,823	325,678	199,823	374,116	301,934	343,452
Ferro-alloys	1,536	2,551	60,555	8,912	28,273	74,113
Rough blooms, bars, ingots, etc.	26,818	67,883	146,145	361,645	316,921	242,952
Old and scrap	721,537	428,515	478,298	759,597	486,968	758,233

(a) Information not available.

(b) Years ended June 30 of that stated.

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Greece—						
Scrap	14,038	26,868	9,789	12,354	5,333	4,298
Italy—						
Pig-iron	1	6	—	—	16	2,525
Spiegeleisen	—	2,633	—	—	—	502
Ferro-manganese	466	694	1,147	1,001	550	736
Ferro-silicon	13,617	20,112	3,571	9,248	9,988	2,835
Ferro-silico-manganese	1,562	3,282	427	153	—	—
Ferro-chrome	528	200	67	5	220	1,707
Other ferro-alloys	527	183	—	—	14	42
Ingots, blooms and sheet bar	1	98	266	29,131	16,044	62,470
Scrap	55	109	604	217	1,406	1,589
Netherlands—						
Pig-iron	239,084	219,256	196,231	206,274	259,065	183,368
Ferro-alloys .. .. .							30	30	192	27
Ingots, blooms and billets	8,269	3,281	1,727	30	14	372
Old and scrap	30,308	58,728	150,240	140,145	197,784	259,593
Norway—						
Pig-iron—electric	39,665	35,614	26,579	37,086	51,440	42,811
Ferro-chrome	21,624	19,414	14,293	10,562	25,542	22,594
Ferro-manganese	79,161	83,488	64,361	48,669	64,478	74,264
Ferro-silicon	49,343	54,736	55,086	64,490	73,947	101,550
Ferro-silico-manganese	22,482	17,797	11,580	22,354	30,437	45,811
Other ferro-alloys	342	87	5	277	280	697
Steel ingots	1,175	537	3	678	3,838	28,416
Tool steel	(a)	(a)	1,185	1,560	2,148	2,415
Old and scrap	238	1,746	787	677	1,208	27,493
Portugal—						
Old and scrap	23,509	15,497	11,946	9,842	33,510	23,071
Spain—						
Pig-iron	39,495	30,366	46,766	19,455	22,205	13,813
Sweden—						
Pig-iron	66,657	50,559	99,360	60,250	56,450	40,925
Sponge iron	14,073	8,657	12,022	16,092	21,130	20,072
Ferro-manganese	369	365	364	824	1,059	740
Spiegeleisen	—	92	—	—	—	—
Ferro-silicon	4,794	5,783	3,573	6,739	6,844	4,007
Ferro-silico-manganese	220	82	3	319	35	1
Ferro-chrome	5,150	6,488	5,694	6,325	10,935	10,516
Ferro-tungsten	347	107	93	173	110	59
Other ferro-alloys	800	707	67	126	241	404
Steel ingots	9,196	8,527	4,940	2,484	5,050	2,801
Steel blooms	—	92	—	—	—	—
Tool steel	688	436	427	407	329	578
Other special steel	2,607	1,961	1,608	1,906	2,738	3,305
Old, filings and scrap	4,685	5,849	5,445	6,883	12,798	9,999
Switzerland—						
Pig-iron and steel, etc.	525	65	500	2,828	4,417	5,733
Ferro-chrome and ferro-silicon, etc.	3,724	3,235	1,369	2,273	960	1,327
Old, filings and scrap	5,852	7,266	2,630	3,584	2,981	2,657
Yugoslavia—						
Ferro-chrome	3,206	1,689	1,853	1,855	3,490	2,857
Ferro-manganese	846	2,322	1,335	2,215	4,019	2,877
Silico-manganese	1,283	359	1,132	123	797	493
Ferro-silicon	845	329	30	229	671	563
Other ferro-alloys	167	20	—	—	—	—
Scrap	(a)	505	1,443	770	445	667

(a) Information not available.

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Algeria—						
Old, filings and scrap ..	78,805	68,020	77,440	64,546	62,874	72,555
Egypt—						
Scrap	—	115	5,393	(a)	(a)	(a)
Morocco (Southern)—						
Old and scrap	(a)	21,955	37,450	22,438	46,506	58,000
Mozambique—						
Scrap	1,688	2,768	3,993	621	2,213	4,774
Tunis—						
Scrap	68,804	44,979	34,221	26,967	42,712	55,667
Cuba—						
Old and scrap	29,764	28,852	27,826	16,502	30,195	(a)
Mexico—						
Ferro-alloys	486	918	—	—	1,275	3,166
United States—						
Pig-iron	5,853	12,576	16,819	9,149	31,240	238,549
Ferro-manganese ..	(c) 641	(c) 1,327	993	1,546	1,597	2,007
Ferro-chrome	214	1,138	542	1,879	4,191	4,945
Ferro-molybdenum ..	662	487	289	111	156	422
Ferro-vanadium .. .	55	131	70	63	196	184
Ferro-silicon	2,478	6,464	1,516	1,857	1,508	1,888
Ferro-tungsten .. .	127	132	16	5	1	1
Ferro-titanium .. .	157	290	165	153	219	325
Other ferro-alloys ..	49,391	39,772	21,127	21,884	47,615	67,613
Steel ingots, slabs, blooms, billets and sheet bars	119,003	635,778	80,018	26,308	548,926	317,354
Old and scrap	196,344	299,381	259,979	1,329,972	4,501,849	5,508,089
Tin-plate scrap .. .	(b) 56,765	3,570	5,195	944	960	3,377
Brazil—						
Pig-iron	33,448	5,642	(a)	(a)	20,549	92,109
Ferro-manganese .. .	4,532	1,060	(a)	(a)	(a)	984
Ferro-nickel	54	89	(a)	(a)	(a)	98
Ferro-silicon	1,705	830	(a)	(a)	98	—
Chile—						
Pig-iron	38,533	53,866	11,969	32	—	(a)
Ferro-manganese .. .	6,445	1,975	2,210	6,014	7,903	(a)
Indonesia—						
Scrap	487	24,825	153,871	16,511	46,775	79,016
Japan—						
Pig-iron	108	25,706	1,532	24,663	82,302	48
Ferro-chrome	251	14	49	7	2,576	3,570
Ferro-manganese .. .	3,630	7,972	23,573	14,230	41,532	53,131
Ferro-silicon	566	323	972	840	2,372	1,132
Other ferro-alloys ..	1,366	363	557	5,725	7,437	12,890
Ingots, blooms and billets	37,678	175,229	115,695	129,338	343,442	218,155
Scrap	9,754	1,840	263	4,672	599	42
Korea (South)—						
Scrap	57,331	101,735	15,117	6,423	7,035	—
Philippine Republic—						
Scrap	29,426	9,432	6,889	7,000	20,112	33,451
Turkey—						
Ingots and blocks ..	23,319	18,849	—	—	19,657	—
Ferro-alloys	1,968	—	—	—	—	—
Old and scrap	20,686	41,730	11,023	2,809	2,981	3,862

(a) Information not available.

(c) Including spiegeleisen.

(b) Including tin-plate waste.

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

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Pig-iron—						
Charcoal	1,143	2,242	646	187	570	10,335
Forge and foundry ..	5,481	2,471	—	—	7,827	992
Hematite	53,282	107,982	114,924	43,944	66,582	40,775
Basic	237,785	613,389	573,941	290,048	588,884	490,125
Other pig-iron ..	3,440	5,402	3,122	3,739	6,627	5,611
Sponge-iron	923	678	961	1,266	2,830	2,499
Spiegeleisen and ferro-						
manganese	1,167	718	762	3,386	16,550	41,674
Ferro-silicon	64,136	84,433	62,752	35,017	70,361	80,062
Ferro-silicon-chrome ..		588	171	662	1,695	2,313
Ferro-chrome	22,279	33,729	16,821	9,134	26,187	26,211
Silico-manganese ..	12,568	12,322	10,821	6,898	10,308	13,977
Other ferro-alloys ..	506	1,980	250	614	1,740	1,646
Iron and steel ingots ..	1,274	352,785	137,128	33,754	183,103	115,501
Blooms, billets, slabs—						
Iron	2	17	1,002	2,229	633	16
Steel	102,657	387,014	394,413	67,976	291,483	256,881
Special steel	27	15,724	6,568	2	1,106	8,816
Old and scrap (b) ..	589,429	728,386	861,028	759,126	1,271,720	981,447
Kenya—						
Pig-iron						
Ingots, blooms, etc. ..	201	558	923	573	701	740
	6	—	—	260	1,833	2,076
Mauritius—						
Pig-iron, ingots etc. ..						
	20	5	41	18	6	17
Northern Rhodesia—						
Pig, ingots, etc. ..						
	6,580	5,122	5,607	(c)	(c)	(c)
Southern Rhodesia—						
Pig, ingots, etc. ..						
	698	4,340	2,520	(d) 420	(d) 305	(d) 285
Tool and drill steel ..	269	199	127	(d) 23	(d) 212	(d) 231
South West Africa—						
Pig-iron						
	3	86	241	—	(e)	(e)
Ferro-alloys	74	212	299	90	(e)	(e)
Tool and drill steel ..	28	11	17	12	(e)	(e)
Tanganyika—						
Pig-iron						
	356	209	233	150	206	24
Ferro-alloys	76	—	60	—	—	272
Ingots, blooms, etc. ..	1	1	2	6	873	127
Union of South Africa—						
Pig-iron and steel ingots ..						
	198	194	65	54	(f) 19	(f) 11,094
Ferro-silicon	5	—	2	8	(f) —	(f) 22
Ferro-manganese	39	56	90	9	(f) —	(f) —
Other ferro-alloys ..	161	61	70	164	(f) 118	(f) 186
Tool and drill steel ..	1,891	4,492	651	461	(f) 604	(f) 1,290
Canada—						
Pig-iron						
	19,299	1,487	22,754	17,865	11,962	11,283
Sponge iron	39	6	8	105	379	284
Ferro-manganese	261	1,454	932	7,613	3,522	1,956
Ferro-silicon	4,256	4,875	449	214	376	589
Ferro-tungsten	450	220	28	38	51	92
Silico-manganese	302	136	16	17	243	1,009
Other ferro-alloys ..	520	1,197	1,294	1,965	5,068	6,502
Ingots, blooms and						
billets	106,175	129,791	25,340	4,242	3,338	12,244
Scrap	95,953	183,685	89,404	57,449	391,471	750,220

(a) Information not available.

(b) Excluding ships intended for breaking up as follows (long tons):—1951—52,511; 1952—116,203; 1953—203,832; 1954—245,775; 1955—149,890; 1956—28,717.

(c) Included under Southern Rhodesia.

(e) Included under Union of South Africa.

(d) Federation of Rhodesia and Nyasaland.

(f) Including South West Africa.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
(cont.)						
Trinidad and Tobago—						
Pig-iron	(d) 57	1	23	5	21	57
Ingots, etc.	203	153	12	8	41	55
Ceylon—						
Pig-iron	1,482	470	398	972	429	350
Ingots, blooms, billets ..	(a)	(a)	(a)	(a)	1,209	4,630
Cyprus—						
Pig-iron	132	299	10	665	103	687
Hong Kong (total imports)—						
Pig-iron	241	651	370	882	2,442	10,395
Ingots, blooms and billets	588	459	345	379	186	959
Special steel	673	162	664	315	162	239
Old and scrap	9,440	3,877	4,865	12,296	20,920	20,141
Tinplate scrap	(a)	1,814	4,631	7,073	8,525	8,166
India—						
Pig-iron	14	20	—	—	—	47,420
Ingots, blooms and billets	33,322	28,047	12,134	7,046	40,389	125,846
Tool steel	227	743	629	388	2,122	3,438
Ferro-chrome	} 3,718	} 88	50	87	193	77
Ferro-manganese			580	6,197	481	291
Ferro-silicon			9	323	266	191
Other ferro-alloys			315	496	192	212
Old and scrap			3,861	(d) 12,770	(d) 44,511	(d) 10,413	1,005	23,271
Malaya (total imports)—						
Pig-iron	13,668	2,719	639	1,314	3,593	3,847
Ferro-alloys	(a)	(a)	41	59	70	68
Ingots, slabs, etc.	(a)	(a)	2,041	749	316	490
Scrap	2,209	3,383	1,549	3,820	2,365	5,671
Tinplate scrap	3,798	25	6,074	4,600	4,659	5,974
Pakistan—						
Pig-iron	(b) 5,640	(b) 615	(b) 5,956	(b) 30,529	(b) 13,427	15,263
Ferro-alloys	(b) 320	(b) 33	(b) 360	(b) 73	(b) 806	—
Ingots, blooms and billets	(b) 10,480	(b) 32,729	(b) 46,395	(b) 37,101	(b) 66,050	52,204
Tool steel	(b) 24	(b) 27	(b) 15	(b) 61	(b) 332	299
Old and scrap	(b) 3,526	(b) 303	(b) —	(b) —	(b) 47	11
Australia (c)—						
Pig-iron	20,074	9,253	(d) 699	—	—	(d) 158
Ferro-manganese	273	54	110	684	2,206	10,357
Ferro-chrome	770	556	2,157	1,012	994	1,701
Ferro-molybdenum	29	28	76	152	97	114
Other ferro-alloys	738	1,698	178	1,176	7,481	4,379
Ingots and billets of high grade carbon alloy steels	722	267	428	79	368	393
Other ingots and billets	1,023	2,110	507	141	148	345
Scrap	554	1,140	(d) 178	(d) 3,882	175	(d) 1,497
New Zealand—						
Pig-iron	6,709	15,398	4,844	10,940	7,523	8,553
Ferro-alloys	185	251	54	74	9	6
Billets and blooms	4,249	6,114	4,369	147	140	181
Special steel	644	1,029	955	787	1,547	632

(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.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956			
BRITISH COUNTRIES									
<i>(cont.)</i>									
Irish Republic—									
Pig-iron	3,788	3,199	2,914	5,062	7,292	6,368			
Ferro-alloys	692	81	99	522	448	455			
Ingots, blooms and billets	4,780	6,397	79	2,514	6,314	5,620			
Old and scrap	—	741	8	223	64	2			
FOREIGN COUNTRIES									
Austria—									
Pig-iron	2,041	1,824	460	1,941	5,982	8,332			
Ferro-manganese	4,444	6,862	2,709	4,308	5,951	7,219			
Ferro-silicon	3,289	5,558	2,415	2,902	6,629	7,205			
Other ferro-alloys	4,713	5,410	4,384	7,544	8,915	9,871			
Iron ingots	2,546	12,312	1,939	9,025	13,116	5,062			
Steel ingots	8,130	52,065	—	—	27	—			
Scrap	58,968	45,379	32,463	56,499	83,834	134,723			
Belgium-Luxemburg E.U.—									
Pig-iron	117,217	223,903	172,594	205,781	378,975	406,118			
Sponge-iron				263	615	151			
Spiegeleisen				8,478	8,994	19,451			
Ferro-chrome, etc.				(b)	(b)	1,107	2,224	2,813	
Ferro-manganese				78,626	81,421	49,651	42,901	62,357	71,532
Ferro-silico-manganese				(b)	(b)	1,165	2,973	1,640	3,002
Ferro-molybdenum				(b)	90	51	67	166	177
Ferro-silicon				(b)	(b)	(b)	8,857	12,060	17,636
Ferro-tungsten				(b)	345	47	40	52	69
Other ferro-alloys				20,800	19,162	11,410	276	376	687
Crude iron ingots	95	2,288	78,241	23,852	23,182	947			
Steel ingots	148	199	79						
Blooms and billets	4,221	7,450	19,214	25,804	48,486	45,711			
Special steel	8,204	10,746	(a)	206	162	411			
Old and scrap	257,709	183,956	245,230	166,765	358,227	704,917			
Denmark—									
Pig-iron	54,937	47,929	40,791	49,578	57,298	56,097			
Ferro-chrome	235	329	151	158	211	356			
Ferro-manganese, etc.	2,241	1,278	2,406	3,535	2,716	2,412			
Ferro-silicon	3,954	4,402	5,558	4,126	2,616	4,617			
Other ferro-alloys	235	29	88	9	418	78			
Old and scrap	1,658	2,536	1,723	1,614	4,670	1,445			
Finland—									
Pig-iron	7,399	21,136	6,344	49,607	7,598	6,465			
Billets	33,272	38,207	16,957	51,945	29,626	48,450			
Ferro-manganese and spiegeleisen	1,637	1,186	1,165	1,620	1,754	2,556			
Other ferro-alloys	1,230	2,831	2,100	1,640	2,219	3,008			
Old and scrap	4,118	41,728	31,673	49,380	66,399	47,051			
France—									
Pig-iron—hematite	10,860	12,457	35,763	82,144	113,391	102,644			
do. other	3,682	3,511	10,183	9,797	13,709	16,922			
Spiegeleisen	1,915	2,736	3,140	15,955	16,589	16,561			
Ferro-manganese	153	479	563	2,686	6,012	887			
Ferro-silicon	18	59	60	507	57	126			
Ferro-chrome	1	—	4	13	20	5			
Other ferro-alloys	22	36	18	1,612	14,039	13,590			
Ingots	5,039	1,425	13	9,168	7,515	29,390			
Blooms and billets, rolled or forged	67,168	44,320	80,329	141,783	233,342	115,431			
Old, filings and scrap	5,999	9,321	15,966	86,789	363,023	655,066			

(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Pig-iron	30,557	145,371	65,727	120,319	195,520	126,369
Ferro-alloys	24,833	29,961	16,990	66,689	103,786	73,756
Rough blooms, ingots, bars, etc.	6,588	153,369	89,291	102,379	142,065	247,827
Old and scrap	10,314	25,871	161,880	597,146	1,110,300	583,533
Greece—						
Pig-iron	11,125	11,493	5,251	28,730	31,367	36,150
Ingots, blooms, slabs, etc.	(a)	(a)	(a)	38,692	54,445	86,239
Scrap	(a)	(a)	(a)	2,354	1,734	1,320
Italy—						
Pig-iron	140,547	100,493	95,148	222,482	341,088	335,922
Spiegeleisen	3,329	4,064	2,162	1,129	2,506	2,145
Ferro-chrome	907	1,407	2,385	3,240	3,401	6,456
Ferro-manganese	219	19	162	789	3,857	8,211
Ferro-molybdenum	78	218	282	183	169	275
Other ferro-alloys	236	402	1,015	1,025	1,075	2,200
Steel ingots	28,563	28,811	22,289	23,973	27,296	42,475
Steel blooms and sheet bar	98,871	65,809	105,668	114,529	104,571	93,652
Old and scrap	673,368	673,744	1,014,848	1,469,354	2,231,987	2,278,744
Netherlands—						
Pig-iron and spiegeleisen	6,688	3,412	3,470	15,203	16,725	24,121
Ferro-manganese				5,401	7,376	7,100
Ferro-chrome				188	165	258
Ferro-silicon	7,546	7,062	5,173	1,821	2,274	3,548
Ferro-silico-manganese				401	236	513
Ferro-molybdenum				24	32	40
Other ferro-alloys				31	65	101
Ingots, blooms, billets, etc.	4,008	3,852	37,420	99,366	241,492	118,886
Old and scrap	2,294	3,574	3,513	32,137	68,580	60,276
Norway—						
Pig-iron	28,222	16,277	15,054	20,386	21,171	16,005
Ferro-tungsten and ferro-vanadium	3	21	19	12	26	31
Other ferro-alloys	45	93	76	148	165	190
Ingots, blooms, billets, etc.	28,145	25,421	8,518	3,858	4,259	7,862
Tool steel, etc.	(a)	(a)	(a)	806	826	1,067
Old and scrap	4,817	5,528	4,214	8,973	15,863	15,768
Portugal—						
Iron and steel ingots	13,880	7,283	8,981	13,537	12,933	10,452
Ferro-alloys	129	159	117	3	24	24
Old and scrap	1,414	596	1,091	4,709	2,920	2,769
Spain—						
Pig-iron	2,738	1,600	1,223	1,963	1,455	1,285
Ferro-manganese	866	4,403	5,460	3,339	1,729	163
Other ferro-alloys	280	448	978	262	571	590
Special steel	1,208	2,729	4,298	3,330	2,329	2,742
Old and scrap	47,726	23,885	32,499	52,907	62,657	83,431
Sweden—						
Pig-iron	72,934	116,862	52,396	98,490	97,461	143,769
Spiegeleisen	—	57	15	30	76	221
Ferro-manganese	2,327	1,445	1,850	2,897	3,032	6,952
Ferro-chrome	2,462	1,612	1,310	1,350	1,883	8,082
Ferro-silicon and ferro-silico-manganese	218	392	292	436	1,735	5,110
Ferro-tungsten	10	—	1	—	49	158
Other ferro-alloys	679	262	786	459	1,097	1,919
Tool steel	9	17	4	4	7	4
Old, filings and scrap	78,608	92,378	34,243	46,008	69,556	24,649

(a) Information not available.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Pig-iron, steel billets, blooms, etc.	91,158	103,795	53,903	134,330	155,713	185,731
Ferro-chrome and ferro-silicon etc.	8,037	3,070	1,375	3,411	4,036	4,580
Old, filings and scrap . .	1,890	318	8,460	12,198	28,602	22,910
Yugoslavia—						
Pig-iron	20,374	17,643	11,576	28,219	523	1,224
Ferro-alloys	207	144	186	343	373	683
Ingots, blooms and billets	2,012	2,595	4,668	—	—	—
Scrap	12,963	21,274	3,872	75,245	21,831	21,987
Algeria—						
Pig-iron	1,282	1,738	774	873	1,102	491
Spiegeleisen and ferro-alloys	456	475	418	363	538	626
Ingots, blooms and billets	18,540	17,421	12,038	14,455	21,122	20,329
Old, filings and scrap . .	253	147	318	42	408	140
Belgian Congo—						
Pig-iron	1,440	(a)	2,430	1,214	3,017	1,686
Ferro-alloys	401	(a)	312	161	75	208
Egypt—						
Pig-iron and spiegeleisen	6,683	3,153	2,575	1,591	3,527	(a)
Ferro-alloys	973	657	795	690	1,286	(a)
Ingots, billets, etc. . . .	2,549	541	8	1,611	2,158	(a)
Special steel	746	934	1,351	1,122	1,872	(a)
Scrap	4,196	3,133	2,039	1,187	2,562	(a)
Morocco (Southern)—						
Pig-iron	(a)	1,310	1,630	1,220	929	579
Ferro-alloys	(a)	160	154	112	146	151
Scrap, etc.	(a)	1,573	1,913	522	1,128	176
Sudan—						
Crude iron and steel . . .	5,673	8,341	12,220	9,716	7,108	5,415
Tunis—						
Pig-iron	38	(a)	9	66	77	59
Steel ingots and billets	4	(a)	2	3	—	26
Old and scrap	33	(a)	1,887	364	2,479	388
Cuba (total imports)—						
Iron ingots	934	322	284	424	503	(a)
Mexico (total imports)—						
Pig-iron	1,219	1,723	1,501	344	5,347	27
Ferro-manganese	940	894	123	130	145	159
Other ferro-alloys	2,917	2,861	1,200	1,298	2,784	2,659
Steel ingots, blooms and billets	50	5	9	7,587	5	204
Scrap	117,892	129,523	115,250	166,278	206,359	302,892
Tin-plate scrap	15,298	11,187	24,285	32,891	24,208	28,740
United States—						
Pig-iron	952,244	339,464	526,630	259,568	253,177	291,697
Spiegeleisen	—	39	701	—	—	209
Ferro-chrome	24,368	19,067	29,716	14,976	27,054	35,498
Ferro-manganese	106,932	57,227	112,963	50,689	58,985	143,038
Ferro-silicon	26,323	11,450	12,324	15,685	21,749	19,658
Ferro-titanium	222	100	154	4	28	101
Ferro-tungsten	901	281	336	276	373	479
Sponge iron	11,445	5,420	5,335	3,446	4,000	3,552
Bar-iron, slabs, blooms, etc.	625	284	155	195	71	190
Steel ingots, blooms, etc.	124,665	54,566	119,363	7,832	130,447	23,341
Scrap	320,624	94,550	117,472	184,211	175,352	199,050
Tin-plate scrap	51,571	42,659	37,582	29,171	28,721	29,137

(a) Information not available.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Pig-iron	69,646	55,452	83,686	27,029	186,891	56,096
Ferro-manganese	2,394	1,480	2,169	4,176	698	1,908
Ferro-silicon	2,348	1,320	987	969	623	—
Ingots	177,680	109,583	58,000	453,081	596,307	438,246
Old and scrap	17,790	13,743	2,137	—	—	—
Brazil (total imports)—						
Ferro-manganese	13	—	59	166	49	—
Ferro-silicon	28	(a)	196	1,398	543	186
Ferro-chrome	(a)	(a)	49	114	54	44
Other ferro-alloys	(a)	(a)	18	227	120	103
Special steel	107	463	301	637	355	457
Chile—						
Pig-iron	850	104	31	165	497	(a)
Ferro-manganese	265	243	59	4	22	(a)
Ferro-silicon	1,331	1,173	530	121	93	(a)
Other ferro-alloys	485	140	164	69	13	(a)
Steel ingots	140	78	828	291	—	(a)
Colombia (total imports)						
Pig-iron	624	370	869	1,270	19 ^a	—
Ferro-alloys	57	55	153	1,094	590	1,761
Peru—						
Pig-iron	681	446	674	431	849	752
Ferro-alloys	173	110	213	85	239	280
Uruguay—						
Ingots	16,137	9,820	12,173	14,152	23,265	30,857
Ferro-manganese	} 370	} 279	} 263	} (a)	} (a)	} (a)
Ferro-silicon						
Other ferro-alloys						
Venezuela—						
Pig-iron	(a)	1	282	527	3,698	2,926
Ferro-alloys	(a)	137	270	94	296	808
Formosa—						
Blooms, billets, etc.	—	2,586	4,831	6,484	7,367	4,363
Special steel	123	623	711	1,454	885	1,704
Ferro-alloys	(a)	141	371	504	405	608
Old and scrap	1,649	2	100	10,699	2,135	37,609
Iran (b)—						
Ingots, etc. old and scrap	1,361	742	438	2,262	(a)	(a)
Israel—						
Pig-iron	3,674	1,238	5,253	2,507	2,808	2,898
Ferro-alloys	34	12	323	32	(a)	(a)
Japan—						
Pig-iron	42,396	6,538	2,425	2,815	18,225	307,949
Ferro-alloys	914	1,828	2,209	2,092	163	316
Old and scrap	210,763	497,777	1,122,749	962,682	1,266,633	2,514,716
Lebanon—						
Pig-iron	314	591	1,888	4,235	2,687	4,793
Ferro-alloys	2	1	4	2	279	59
Old and scrap	423	991	557	518	2,586	2,180
Philippine Republic—						
Pig-iron	69	327	364	482	(a)	(a)
Ferro-alloys	178	192	320	129	224	493
Syria—						
Pig-iron	94	(a)	374	1,326	364	(a)
Scrap	538	(a)	157	906	475	(a)
Turkey—						
Ferro-alloys	103	115	242	952	132	711
Special steel	2,878	2,613	2,760	1,723	2,205	(a)

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain	4,847	5,687	7,992	8,692	7,443	7,267
Nigeria (g)	4	27	35	9	16	45
Northern Rhodesia (b) ..	13,970	12,600	11,510	15,000	16,050	15,200
Southern Rhodesia	—	—	40	—	14	28
South West Africa	38,611	52,008	58,292	68,881	80,700	86,348
Tanganyika (c)	1,537	2,371	2,755	2,118	3,601	5,116
Uganda	4	7	16	55	47	68
Union of South Africa ..	879	562	483	161	499	813
Canada (d)	141,278	150,752	172,952	195,085	181,037	166,674
Hong Kong	—	378	322	188	203	105
India	1,300	1,440	2,020	2,081	2,228	2,843
Australia	224,533	232,761	244,913	284,862	295,944	299,485
TOTAL	427,100	458,600	501,300	577,100	587,800	584,000
Irish Republic	779	1,872	898	1,349	2,800	2,600
FOREIGN COUNTRIES						
Austria	4,861	5,910	5,562	5,408	5,417	5,367
Finland (d)	213	213	214	257	762	1,389
France	10,874	12,132	12,215	11,000	8,985	8,000
Germany—						
Federal Republic	49,581	50,782	61,767	66,224	66,370	64,376
East	2,600	3,800	4,200	5,000	6,000	6,000
Greece	2,722	3,116	3,640	3,166	4,532	6,348
Italy	38,126	38,014	36,304	40,158	44,767	45,759
Norway	407	406	517	695	699	787
Poland (e)	20,000	21,000	21,000	21,000	21,000	22,000
Portugal	1,595	1,891	1,669	1,724	1,441	1,218
Roumania (b)	(e) 9,000	(e) 9,000	(e) 9,000	(e) 10,000	10,900	(e) 11,000
Spain	40,167	42,435	53,938	54,860	62,407	60,207
Sweden	19,382	20,991	25,131	29,224	31,660	32,230
U.S.S.R. (smelter) (e) ..	170,000	200,000	240,000	275,000	290,000	305,000
Yugoslavia	77,506	77,721	83,807	82,799	88,659	85,945
Algeria	2,785	4,153	7,734	10,041	10,040	10,196
French Equatorial Africa	2,466	3,563	4,350	3,428	3,405	2,960
Morocco (Southern)	67,107	82,289	79,071	81,325	87,279	85,270
Morocco (Northern)	420	720	660	460	680	780
Tunis	20,910	22,902	24,103	26,305	26,145	23,078
Guatemala	(f) 2,731	(f) 4,132	(f) 4,181	(f) 2,469	3,298	5,728
Honduras	446	530	(f) 30	(f) 1,187	(f) 625	2,067

- (a) Information not available.
(b) Smelter.
(c) Exports.
(d) Amount estimated as recoverable.
(e) Estimated.
(f) Imports into the United States.
(g) Excluding African (native) production.

PRODUCTION OF LEAD ORE (cont.)

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Mexico (b)	221,907	242,142	218,049	213,203	207,486	196,457
United States (b)	346,575	348,358	305,932	290,553	301,808	311,008
Argentina	(c) 23,600	(c) 18,800	(c) 15,800	(c) 18,800	22,300	28,823
Bolivia (exports)	30,581	29,559	24,089	17,939	18,821	21,213
Brazil (smelter)	(a)	(a)	2,901	2,702	3,596	4,371
Chile	7,228	6,534	5,161	4,175	3,486	3,211
Ecuador	30	112	112	—	154	—
Peru	81,049	96,520	112,770	108,328	116,875	127,035
Burma	5,815	3,861	9,000	14,000	16,856	15,586
Iran (d)	17,200	16,000	7,900	11,900	17,800	16,700
Japan	12,667	17,206	18,359	22,478	25,761	29,058
Korea (South) (c)	10	180	130	50	600	1,300
Philippine Republic	562	2,264	2,396	1,798	2,281	2,106
Siam	1,300	1,089	3,525	5,165	5,233	3,946
Turkey	740	1,470	6,671	10,013	3,447	5,593
TOTAL	1,266,000	1,370,000	1,400,000	1,450,000	1,520,000	1,550,000
WORLD'S TOTAL	1,694,000	1,830,000	1,903,000	2,028,000	2,110,000	2,140,000

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (b) ..	4,100	4,700	6,600	6,800	6,100	6,400
Northern Rhodesia ..	13,970	12,600	11,510	15,000	16,050	15,200
Canada	144,643	163,342	147,993	148,219	132,867	132,022
India	859	1,132	1,694	1,791	2,234	2,497
Australia (d) ..	197,630	194,348	206,518	238,555	224,526	236,747
TOTAL	361,200	376,100	374,300	410,300	381,800	392,900
FOREIGN COUNTRIES						
Austria (c)	10,971	10,240	10,984	10,082	10,105	9,531
Belgium (c)	69,530	74,232	75,145	70,768	81,469	100,638
Czechoslovakia (b) ..	6,000	6,000	8,000	8,000	8,000	8,000
France	47,218	53,508	53,920	60,446	68,272	62,324
Germany—Federal ..	74,862	91,218	106,073	108,486	105,887	114,658
do. East (b) (c) ..	16,600	17,800	26,000	30,000	30,000	30,000
Greece (f)	1,432	2,421	3,294	2,716	2,478	3,405
Italy	35,904	33,759	37,394	36,741	41,149	38,498
Poland (b)	20,000	21,000	21,000	21,000	21,000	22,000
Portugal	713	1,048	869	990	957	838
Roumania	(b) 9,000	(b) 9,000	(b) 9,000	(b) 10,000	10,900	(b) 10,800
Spain	44,005	45,808	50,440	57,694	60,832	57,883
Sweden	9,160	10,905	15,898	19,774	20,890	22,815
U.S.S.R. (b)	170,000	200,000	240,000	275,000	290,000	305,000
Yugoslavia	59,119	66,119	69,678	65,675	74,418	74,562
Morocco (Southern) ..	18,100	27,800	27,000	26,266	26,268	27,672
Tunis	22,544	25,103	26,849	26,761	26,440	24,427
Guatemala	59	311	648	(a)	(a)	131
Mexico	215,307	233,243	210,893	205,863	195,050	193,591
United States (e) ..	370,204	421,830	417,610	434,486	427,674	484,171
Argentina	23,700	19,600	12,800	25,600	17,700	23,900
Bolivia (exports) ..	505	20	677	1,446	2,080	1,589
Brazil	(a)	(a)	2,901	2,702	3,596	4,371
Peru	43,655	49,472	58,168	56,906	59,509	58,832
Burma	148	1,812	8,609	10,944	19,088	19,553
China (b)	5,000	6,000	6,000	6,000	6,000	6,000
Japan	10,570	15,140	17,879	29,030	32,498	40,756
Korea (South)	—	125	30	—	—	—
TOTAL	1,280,000	1,440,000	1,510,000	1,600,000	1,640,000	1,750,000
WORLD'S TOTAL ..	1,641,000	1,816,000	1,884,000	2,010,000	2,022,000	2,140,000

(a) Information not available.

(b) Estimated.

(c) Including secondary metal.

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

Year	Long tons	Year	Long tons
1951	31,872	1954	38,146
1952	37,709	1955	37,392
1953	34,050	1956	41,658

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

Year	Long tons	Year	Long tons
1951	462,598	1954	429,397
1952	420,798	1955	448,260
1953	434,587	1956	452,460

EXPORTS OF LEAD, ETC.
(*Domestic Produce*)
(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Pig-lead	1,126	9,385	7,055	7,195	3,160	7,141
Sheets and pipes	2,399	1,668	1,154	1,105	1,769	1,652
White lead	4,133	1,389	1,403	1,523	1,776	1,663
Litharge, red lead, etc.	4,802	3,304	3,036	3,789	3,397	2,437
Nigeria—						
Ore and concentrates	(a)	(a)	(a)	154	73	105
Northern Rhodesia—						
Pig, bar and ingot	11,568	10,716	11,915	13,306	12,520	14,620
South West Africa—						
Copper-lead-vanadate ores and concentrates (<i>Pb content.</i>) (b)	38,528	54,824	58,154	61,521	76,854	81,558
Southern Rhodesia—						
Ore	—	—	63	—	—	8
Tanganyika—						
Concentrates (<i>Pb content</i>)	1,537	2,371	2,755	2,118	3,601	(a)
Uganda—						
Ore	12	2	—	66	74	117
Union of South Africa—						
Ore	869	944	205	—	—	298
Pig, ingot and sheets	76	88	99	184	85	17
Canada—						
Ore (<i>Pb content</i>)	17,543	21,399	55,074	53,353	51,932	44,620
Pig-lead, etc.	94,407	115,840	91,857	103,937	82,772	71,101
Scrap	1,269	4,655	467	777	559	145
Pipes and tubes	62	44	56	25	20	19
White lead	2,576	376	1	5	6	7
Hong Kong—						
Ore and concentrates	(a)	850	595	335	376	200
Crude and refined unwrought (incl. alloys) (d)						
Scrap (d)	1,022	248	154	223	412	160
Bars, sheets, pipes, etc. (d)		108	6	(a)	15	76
Malaya (including re-exports)—						
Pig-lead	1,111	266	846	848	761	697
Bars, sheets, pipes, etc.	9	12	75	35	15	18
Australia—						
Ores and concentrates (<i>Pb content</i>)	14,490	22,758	39,864	45,261	43,830	54,818
Pig-lead	106,180	141,431	148,433	159,328	145,874	149,061
Base bullion	33,138	31,414	42,338	36,153	38,493	38,190
Scrap (c)	3	—	3,416	14,332	13,277	10,011
Sheets and pipes, etc. (c)	338	787	128	633	2,802	65
Red and white lead, etc. (c)	2,413	2,496	1,611	2,440	1,729	1,644
New Zealand—						
Scrap	369	1,143	933	833	(a)	(a)
Irish Republic—						
Ore	1,573	2,762	2,413	1,689	2,881	4,022
Scrap	(a)	1,474	1,987	2,105	2,495	1,004

(a) Information not available.

(d) Including re-exports.

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

(c) Years ended June 30 of that stated.

EXPORTS OF LEAD, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
Austria—						
Pig-lead, alloys etc. . .	1,614	2,362	3,225	3,021	3,317	3,655
Scrap	—	—	—	27	206	—
Red and white lead, etc.	16	78	38	371	439	335
Belgium-Luxemburg						
E.U.—						
Pig-lead	46,756	59,490	49,179	48,190	54,698	72,388
Scrap	148	111	68	176	660	458
Sheets, bars, pipes and wire	7,913	3,513	3,240	4,083	3,208	4,359
Red and white lead, etc.	2,860	1,548	2,917	3,784	3,627	3,163
Denmark—						
Pig-lead	5,640	7,026	4,172	6,233	4,850	2,699
Scrap	338	199	207	551	198	507
Sheets and pipes . . .	59	9	21	—	1	1
France—						
Ore	753	235	1,175	367	1,127	274
Pig-lead including argentiferous	1,607	6,090	10,794	14,073	13,597	6,743
Pig-lead, alloyed	1,238	323	578	398	552	547
Scrap	22	10	2	2	74	62
Bars, sheets, alloys . . .	1,250	1,026	640	1,149	824	513
Red and white lead, etc.	1,710	977	838	2,363	3,901	4,494
Germany (Federal)—						
Ore	—	—	—	—	223	—
Pig-lead, alloys and scrap	18,426	30,779	36,851	30,831	31,441	37,059
Sheets, pipes, wire, etc.	4,099	76	199	166	708	274
Red and white lead . . .	10,436	5,799	7,264	10,313	9,978	9,920
Greece—						
Ore	(a)	1,227	1,771	2,150	4,296	6,772
Pig-lead, etc.	363	997	783	548	248	612
Italy—						
Ore	5,433	6,918	7,690	8,536	10,254	8,651
Pig-lead, scrap and alloys	1,041	870	30	67	15	301
Sheets, wire and alloys . .	—	375	1,558	17	—	—
Red and white lead . . .	443	173	189	442	146	77
Netherlands—						
Pig-lead	1,907	2,986	4,480	9,124	4,817	7,728
Scrap	4,299	974	1,885	1,827	722	383
Sheets and wire	287	1,695	898	1,037	1,265	1,368
Red and white lead . . .	698	695	543	1,153	1,147	1,747
Norway—						
Ore	804	522	1,081	887	933	1,317
Pig-lead	39	329	57	347	247	114
Scrap	741	1,090	1,275	1,395	1,449	1,964
Portugal—						
Pig-lead, etc.	23	2	5	12	12	20
Red and white lead . . .	21	29	15	8	7	5
Spain—						
Pig-lead and scrap	15,913	11,889	20,146	26,320	28,249	16,344
Sheets, wire, etc.	1,115	2,886	1,528	124	66	1,145
Sweden—						
Ore	10,987	11,785	8,214	9,950	12,777	15,090
Pig-lead	601	1,446	4,448	5,738	4,710	5,093
Scrap	61	136	639	195	385	486
Sheets and pipes	39	12	16	8	—	3
Red and white lead, etc.	99	128	403	464	735	681

(a) Information not available.

EXPORTS OF LEAD, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Ores, etc.	839	662	652	1,139	810	805
Pig-lead, scrap, etc.	349	1,371	987	1,077	1,505	1,664
Sheets and pipes	12	1	4	8	5	—
Yugoslavia—						
Concentrates	—	492	(a)	(a)	(a)	(a)
Pig-lead	50,899	61,032	60,246	56,188	61,657	57,662
Scrap	163	353	680	554	71	(a)
Algeria—						
Ore	3,081	7,449	6,283	15,823	12,292	9,345
Pig-lead	65	13	81	2,136	38	24
Scrap	2,670	1,251	1,497	1,920	2,415	2,085
Red and white lead	3	1	3	3	—	—
French Equatorial Africa—						
Ore	3,937	5,905	8,744	6,937	5,905	5,905
Morocco (Southern)—						
Ore	52,653	67,615	73,564	73,850	93,725	89,315
Pig-lead	13,871	29,328	25,593	28,485	24,855	26,575
Scrap	227	513	452	184	211	452
Morocco (Northern)—						
Ore	741	1,144	596	979	688	(a)
Tunis—						
Ore	9	—	6	1,675	2	937
Pig-lead, bars and scrap	22,400	24,425	24,615	25,400	24,293	25,623
Guatemala (c)—						
Ore (<i>Pb content</i>)	2,731	4,132	4,181	2,469	2,604	5,239
Honduras (c)—						
Ore (<i>Pb content</i>)	—	681	30	1,187	625	2,717
Mexico—						
Ores and concentrates	8,666	4,096	15,267	2,702	4,060	3,764
Pig-lead, refined	163,854	198,537	202,422	197,864	166,411	143,074
Base bullion	1	93	144	300	4,053	3,019
Pig-lead, antimonial	11,729	3,678	2,553	2,357	10,728	7,280
Sheets, tubes and wire	256	1	2	790	5,835	13,359
<i>Pb content</i> (b)	154,847	231,447	204,991	205,646	174,983	150,891
Red and white lead	158	110	91	720	1,280	5,956
United States—						
Ore, mattes and base bullion (<i>Pb content</i>)	498	746	927	91	13	942
Pig-lead, bars etc.	1,144	1,573	717	532	360	4,133
Scrap	530	67	2,416	3,476	2,664	1,907
Sheets and pipes	972	1,150	450	333	498	494
Red and white lead, etc.	2,134	2,093	2,208	2,294	2,447	2,653
Bolivia—						
Ore, etc. (<i>Pb content</i>)	30,076	29,539	23,412	16,493	16,741	19,641
Metal	505	20	677	1,446	2,080	1,572
Chile—						
Ore	511	7,969	6,498	1,051	1,015	(a)
Colombia—						
Ore	2	—	536	663	886	2,339
Ecuador—						
Concentrates	—	190	162	184	160	(a)
Peru—						
Ore and concentrates (<i>Pb content</i>)	39,023	46,326	42,491	48,670	48,120	60,341
Pig-lead (<i>Pb content</i>)—						
Pure	41,355	40,093	59,919	55,183	56,240	58,086
Impure	347	1,552	1,322	876	831	321

(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.

EXPORTS OF LEAD, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Burma—						
Ore	(a)	7,611	3,468	844	1,822	1,866
Japan—						
Pig-lead	233	138	113	437	120	107
Sheets and plates	} 23	} 108	} 22	} 18	} 13	} 61
Tubes .. .. .							37	24	67	36
Philippine Republic—						
Ores and concentrates..	516	1,559	4,083	2,270	292	105
Scrap	310	—	—	—	—	—
Siam—						
Ore	(a)	(a)	6,528	(a)	(a)	7,858
Turkey—						
Ore	1,060	101	1,914	1,378	—	(a)
Ingots	—	492	—	197	—	—

(a) Information not available.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Pig-lead	175,196	113,598	161,435	192,301	216,179	167,366
Scrap, incl. alloys	1,294	4,376	10,008	7,766	7,684	6,413
Sheets and pipes	3	6	3	28	10	75
Litharge, red lead, etc.	164	35	2	62	1	11
Ghana—						
Bars, sheets, etc.	162	115	411	369	288	269
Kenya—						
Bars, sheets, pipes, etc.	36	31	5	8	64	41
Mauritius—						
Pig-lead, sheets, pipes, etc.	13	18	33	45	32	16
Nigeria—						
Bars and sheets	153	39	103	236	200	251
Northern Rhodesia—						
Sheets, pipes and foil	30	16	77	(b)	(b)	(b)
White lead	11	5	1	(b)	(b)	(b)
Sierra Leone—						
Bar and sheets	8	6	5	4	7	16
Southern Rhodesia—						
Pig-lead, bars, sheets and foil	397	198	147	(c)	(c)	(c)
Red and white lead, etc.	52	42	30	(c)	(c)	(c)
South West Africa—						
Bars, sheets and pipes	11	12	15	23	(e)	(e)
Red and white lead, etc.	1	1	—	1	(e)	(e)
Tanganyika—						
Bars, sheets and pipes, etc.	3	24	3	15	28	21
Uganda—						
Bars, sheets, pipes, etc.	30	2	1	2	30	16
Union of South Africa—						
Pig-lead and bars	14,949	8,430	10,140	11,232	(f)	(f)
Sheets and pipes	67	76	130	75	(f)	(f)
Foil	2	2	2	3	(f)	(f)
Litharge, red and white lead	323	131	312	120	(f)	(f)
British West Indies—						
Jamaica—						
Pig-lead, pipes, etc.	56	52	92	245	173	313
Trinidad and Tobago—						
Pig-lead	(d)	(d)	1	7	—	18
Red and white lead, etc.	99	61	139	60	82	98
Canada—						
Pig-lead and scrap	(d)	78	433	252	126	135
Bars, sheets and pipes	2	3	27	27	61	68
White lead, red lead and litharge	594	587	860	1,001	1,129	1,170
Ceylon—						
Pig-lead, etc.	13	13	45	—	79	612
Sheets, pipes, etc.	25	9	29	20	22	25
Tea-lead	2	—	6	5	1	8
Cyprus—						
Sheets and pipes, etc.	122	34	36	25	36	44

- (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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Hong Kong (total imports)—						
Ore and concentrates ..	(a)	58	—	—	—	—
Crude and refined unwrought (incl. alloys)	} 375	{ 52	147	361	121	114
Scrap ..			98	29	20	6	18
Bars, sheets, pipes, etc.	1,120	48	36	69	77	58
India—						
Ore ..	214	56	83	99	224	525
Pig-lead, bars, etc. ..	7,680	4,092	5,169	10,995	11,803	15,829
Sheets, pipes and tubes	177	191	156	38	191	379
Tea-lead ..	4	—	3	—	—	—
Litharge, red and white lead, etc. ..	17	89	5	45	249	635
Malaya (total imports)—						
Pig-lead ..	142	279	205	105	177	200
Bars, sheets, pipes, etc.	136	97	78	75	190	137
Pakistan—						
Ore ..	(b) 5	(b) 106	(b) 79	(b) 106	(b) 370	270
Pig-lead, bars, etc. ..	(b) 132	(b) 416	(b) 5	(b) 60	(b) 53	164
Sheets, pipes and tubes	(b) 58	(b) (a)	(b) (a)	(b) (a)	(b) (a)	22
Litharge, red and white lead, etc. ..	(b) 85	(b) 275	(b) 451	(b) 298	(b) 233	219
Australia (c)—						
Red and white lead, etc. ..	137	483	36	23	(d) 3	61
Fiji—						
Pig-lead, sheet, tubes etc.	87	26	12	6	24	46
New Zealand—						
Pig-lead, bars, etc. ..	3,295	2,423	4,373	5,539	4,945	4,926
do. antimonial ..	64	124	82	116	151	800
Sheets and pipes ..	34	33	1	5	56	(d) 3
Litharge, red and white lead etc. ..	3,493	2,307	1,672	1,862	1,530	1,353
Irish Republic—						
Pig-lead etc. ..	1,174	168	985	1,212	543	236
Wrought incl. alloys ..	1,103	327	166	173	301	279
Red and white lead ..	521	116	235	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Ore ..	2,933	4,473	4,449	4,862	5,177	4,886
Pig-lead, alloys, etc. ..	6,645	2,647	5,311	9,668	5,273	4,974
Scrap ..	31	15	46	15	—	—
Belgium-Luxemburg						
E.U.—						
Ore ..	96,761	125,128	104,412	86,084	150,928	168,076
Pig-lead ..	27,061	19,180	22,025	21,506	18,056	19,729
Antimonial lead ..	198	302	150	84	93	32
Scrap ..	7,423	1,641	536	416	1,000	1,309
Sheets, bars, pipes and wire ..	—	69	8	20	79	37
Red and white lead, etc.	765	526	891	1,395	1,500	1,810
Denmark—						
Pig-lead ..	15,396	11,403	12,244	16,392	12,967	11,012
Scrap ..	3,853	3,276	4,962	5,467	5,059	5,256
Sheets, pipes and wire ..	54	152	106	83	12	11
Red and white lead ..	865	455	654	751	738	881

(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.

IMPORTS OF LEAD, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Finland—						
Pig-lead	6,149	7,130	6,467	12,401	7,590	8,967
Scrap	219	—	—	14	—	—
Sheets, pipes, wire, etc.	1,110	616	292	565	527	571
Red and white lead, etc.	2,562	909	494	1,081	1,131	1,026
France—						
Ore	49,593	58,209	68,138	84,365	107,031	105,277
Pig-lead, including						
argentiferous	36,614	49,620	39,392	48,531	47,442	55,350
alloyed	1,026	1,312	716	696	794	868
Scrap	3,484	2,349	2,425	7,416	13,150	6,971
Sheets, etc.	145	86	3	22	7	4
Red and white lead, etc.	3,866	2,305	1,770	3,641	1,727	938
Germany (Federal)—						
Ore	39,310	55,830	56,062	80,613	72,458	83,431
Pig-lead, scrap and						
alloys	7,077	6,687	20,346	58,418	83,182	53,481
Sheets, pipes, wire, etc.	—	1	—	4	—	—
Red and white lead, etc.	11	19	108	351	702	938
Iceland—						
Pig-lead	10	16	49	103	99	94
Red and white lead .. .	43	21	22	31	9	16
Italy—						
Ore	2,321	—	194	2,096	7,601	1,762
Pig-lead and alloyed .. .	7,809	8,266	9,539	13,320	14,505	11,998
Scrap	1,006	1,886	4,105	11,656	7,608	4,877
Red and white lead .. .	12	29	16	122	252	122
Netherlands—						
Ore	4,280	2,374	1,594	5,996	31	12
Pig-lead	25,342	21,252	34,689	43,798	32,203	40,958
Scrap	327	531	955	1,339	2,404	4,197
Sheets and wire	2,139	807	583	995	663	1,318
Red and white lead .. .	4,490	2,450	2,658	4,293	4,773	5,680
Norway—						
Pig-lead	7,397	7,403	7,589	9,693	9,529	7,807
Bars and sheets	608	909	931	1,145	636	745
Tubes, wire, etc. .. .	386	295	273	275	181	216
Red and white lead .. .	587	313	511	533	584	484
Portugal—						
Pig-lead, alloys, etc. .. .	1,536	947	1,752	1,967	3,141	2,903
Red and white lead, etc.	201	187	171	202	144	122
Spain—						
Ore	10	—	—	—	—	—
Pig-lead and scrap .. .	1,258	790	285	13	11	6
Sweden—						
Pig-lead	16,804	11,517	13,327	13,415	14,603	12,891
Scrap	79	231	531	397	292	181
Sheets and pipes	3,530	2,008	1,490	1,463	1,267	1,292
Red and white lead .. .	2,906	1,410	1,825	2,393	2,314	1,987
Switzerland—						
Ores, etc.	—	2	3	—	3	1
Pig-lead, scrap, etc. .. .	14,376	9,669	11,167	15,425	15,761	14,132
Sheets, pipes, wire, etc.	604	378	618	959	624	457
Red and white lead .. .	1,001	350	356	454	504	604
Algeria—						
Ore	24	37	665	25	37	47
Pig-lead	2,837	3,188	3,132	4,541	3,529	3,353
Scrap	23	—	122	56	12	84
Red and white lead, etc.	213	179	201	181	163	132
Belgian Congo—						
Pig-lead and scrap .. .	(a)	(a)	1,255	47	1,615	2,059
Red and white lead .. .	(a)	(a)	167	116	273	108

(a) Information not available.

IMPORTS OF LEAD, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Egypt—						
Pig-lead and scrap ..	100	139	208	38	105	(a)
Sheets, pipes, wire, etc.	109	341	212	109	85	(a)
Red and white lead ..	274	203	492	390	567	(a)
Morocco (Southern)—						
Pig-lead, bars, sheets etc.	(a)	252	220	231	437	99
Red and white lead ..	93	92	117	103	162	76
Mozambique—						
Bars, sheets and wire ..	90	36	16	26	25	23
Tunis—						
Ore	2,368	8,620	3,244	924	82	1
Pig-lead, bars and scrap	—	(a)	—	4	3	3
Red and white lead, etc.	20	(a)	15	33	33	20
Cuba (total imports)—						
Pig-lead and bars ..	192	207	141	100	(a)	(a)
Sheets, pipes and wire..	341	278	167	178	(a)	(a)
Mexico (total imports)—						
Pig-lead	15	12	9	15	30	14
Sheets and pipes ..	122	158	55	14	3	61
United States—						
Ore, matte and flue dust (Pb content)	29,155	98,529	61,400	176,920	140,371	175,953
Bullion and base bullion (Pb content)	41	2,635	662	37	—	28
Pig-lead and bars (Pb content)	159,729	455,998	338,429	244,899	235,807	233,533
Scrap (Pb content) ..	7,060	10,204	3,489	6,640	16,874	18,274
Sheets, pipes, wire, etc.	228	10	159	354	1,828	6,836
Red and white lead, etc.	4,194	952	55	559	708	4,984
Argentina—						
Ore	(a)	48	458	—	—	—
Pig-lead	(a)	2,391	1,998	—	—	—
Brazil (total imports)—						
Pig-lead	22,204	9,858	20,748	26,054	12,810	9,703
Sheets and pipes ..	464	134	81	30	—	—
Red and white lead ..	339	491	68	817	563	315
Chile—						
Pig-lead	886	422	1,183	1,280	2,019	(a)
Bars and sheets ..	250	370	174	31	203	(a)
Red and white lead	57	53	107	86	80	(a)
Colombia (total imports)—						
Ingots, bars, tubes and alloys	512	395	428	681	818	1,321
Red and white lead ..	133	69	171	170	278	369
Ecuador—						
Pig-lead	68	19	91	207	92	139
Red and white lead ..	13	13	9	22	11	19
Peru—						
Pig-lead, sheets, etc. ..	45	46	7	20	83	35
Red and white lead ..	126	101	111	202	169	176
Uruguay—						
Pig-lead	1,367	867	1,753	(a)	(a)	(a)
Red and white lead, etc.	199	79	225	(a)	(a)	(a)
Venezuela (total imports)						
Pig-lead	(a)	344	481	570	(a)	573
Red and white lead ..	(a)	139	180	280	(a)	678
Formosa—						
Pig-lead and bars ..	41	550	629	2,099	1,434	1,467
Pipes, sheets, wire ..	(a)	2	185	38	13	41
Red and white lead, etc.	81	166	244	302	178	34

(a) Information not available.

IMPORTS OF LEAD, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Indonesia—						
Pig-lead and scrap ..	661	452	353	414	1,073	838
Red and white lead ..	739	401	650	206	536	554
Iran (b)—						
Ingots, sheets and wire	14	14	3	—	(a)	(a)
Israel—						
Pig-lead	174	27	10	529	477	334
Sheets	3	2	20	69	58	22
Red and white lead ..	227	144	476	894	378	94
Japan—						
Ore	510	19	1,912	16,361	27,180	24,944
Pig-lead	7,100	1,192	2,289	14,120	4,019	17,662
Scrap	1,703	469	4,880	4,187	3,668	1,447
Red and white lead ..	303	2	4	10	4	1
Lebanon—						
Pig-lead	75	226	224	300	361	135
Red and white lead ..	57	64	55	49	107	(a)
Philippine Republic—						
Pig-lead, bars and sheets	135	188	532	483	(a)	703
Red and white lead ..	591	250	371	441	425	1,021
Syria—						
Pig-lead	23	(a)	236	132	194	145
Red and white lead ..	53	(a)	31	41	(a)	(a)
Turkey—						
Pig-lead, bars and sheets	320	1,696	2,408	2,100	795	1,900
Tubes and wire ..	119	638	223	492	323	441
Red and white lead ..	351	607	573	571	151	308

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Southern Rhodesia—						
Amblygonite	170	80	300	387	161	577
Lepidolite	1,567	1,101	6,859	24,026	51,530	75,535
Petalite	—	100	10,339	23,846	21,616	12,075
Spodumene	—	40	40	—	45	3,969
South West Africa—						
Amblygonite	516	637	302	1,046	1,262	742
Lepidolite	9,902	7,066	7,538	3,730	1,636	1,067
Petalite	155	1,048	1,427	1,729	4,712	3,281
Spodumene	—	—	1	1	—	—
Uganda—						
Amblygonite	19	—	16	7	—	—
Union of South Africa—						
Amblygonite	—	—	54	51	380	637
Canada—						
Lithium minerals (Li ₂ O content) ..	—	—	—	8	51	2,140
Australia—						
Petalite	—	—	—	15	—	—
Spodumene	—	—	—	—	4	—
FOREIGN COUNTRIES						
Portugal—						
Amblygonite	17	10	16	9	4	—
Lithium phyllite ..	49	—	—	—	—	—
Spain—						
Amblygonite	—	10	31	132	111	60
Belgian Congo—						
Amblygonite	—	—	—	365	1,332	1,782
Mozambique—						
Lepidolite	275	1,083	5,622	—	—	986
United States (b)—						
Lithium minerals and compounds	11,515	13,938	24,321	33,777	(a)	(a)
Argentina—						
Spodumene	—	—	—	—	37	138

(a) Information not available.

(b) Shipments.

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Southern Rhodesia—						
Lithium minerals	3,312	1,866	17,079	25,625	25,627	69,814
Lithium salts	(a)	(a)	(a)	(a)	47	42
South West Africa—						
Amblygonite	94	459	400	710	1,310	593
Lepidolite	8,258	7,225	8,982	3,491	1,330	504
Petalite	284	1,255	1,322	740	1,159	3,216
Uganda—						
Amblygonite	19	—	16	7	—	—
Union of South Africa—						
Lithium minerals	(a)	—	33	24	479	496
FOREIGN COUNTRIES						
Portugal—						
Lithium minerals	(a)	27	29	—	—	—
Belgian Congo—						
Amblygonite	—	—	—	—	808	591
Spodumene	5	—	—	32	25	64
Mozambique—						
Lepidolite	(a)	(a)	4,950	—	3	—

(a) Information not available.

IMPORTS OF LITHIUM MINERALS*
(Long tons)

Importing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (b) ..	1,900	400	1,300	2,000	2,000	7,100
FOREIGN COUNTRIES						
France (b)	—	1,103	1,321	610	579	3,213
Germany (Federal) ..	(a)	(a)	1,798	7,183	5,402	2,223
Netherlands (b)	—	—	104	1,962	2,554	1,946
United States (b) ..	8,042	7,894	28,027	22,712	20,887	57,334

*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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Magnesite—						
Caustic (b)	2,500	7,478	7,800	1,122	(a)	(a)
Dead-burned (b)	48,300	58,023	71,700	71,989	(a)	(a)
Dolomite, crude	1,393,536	1,563,111	1,740,504	1,866,754	1,853,346	2,020,950
Southern Rhodesia—						
Magnesite, crude	14,580	10,779	9,664	6,957	10,366	7,688
Dolomite	—	5,344	4,875	3,554	1,884	6,620
Tanganyika—						
Magnesite, crude	2,673	—	—	—	346	298
Union of South Africa—						
Magnesite, crude	18,477	24,023	22,526	23,995	17,637	29,897
Canada—						
Magnesitic dolomite (c)	£728,454	£791,748	£728,029	£699,327	£782,480	£877,100
Cyprus, (exports)—						
Magnesite, crude	20	20	20	—	—	—
India—						
Magnesite, crude	117,466	89,041	92,748	70,507	57,509	91,711
Dolomite	14,203	54,455	15,080	137,754	(a)	96,457
Australia—						
Magnesite, crude	38,134	42,137	46,397	43,152	57,674	64,685
Dolomite	74,064	96,464	99,642	127,994	111,417	115,564
New Zealand—						
Magnesite, crude	580	579	517	720	388	730
Dolomite	982	1,255	1,316	2,025	(e) 1,813	2,023
FOREIGN COUNTRIES						
Austria—						
Magnesite—						
Crude	654,339	729,876	799,975	825,900	976,048	1,066,520
Caustic (d)	76,468	65,525	72,846	87,697	91,447	88,909
do. powder (d)	22,787	21,895	29,323	25,770	33,494	40,038
Dead-burned (d)	211,813	255,595	276,156	266,490	342,414	383,533
Bricks (d)	132,697	161,243	187,546	163,877	181,203	214,608
Belgium—						
Dolomite—						
Crude	188,720	175,610	201,789	233,027	252,177	286,014
Calcined	165,193	210,900	199,590	204,083	244,914	257,693
France—						
Dolomite, crude	345,000	300,000	310,000	449,014	448,742	463,000
Greece—						
Magnesite—						
Crude	59,917	78,137	105,249	102,152	59,803	61,027
Calcined (d)	(e) 21,719	26,339	25,108	37,419	31,328	24,079

(a) Information not available.

(b) Magnesia extracted from sea-water.

(c) Including brucite, dead-burned magnesitic dolomite and serpentine. Figures revised to exclude the value of some magnesium metal.

(d) Derived from crude shown and not additional.

(e) Revised.

PRODUCTION OF MAGNESITE AND DOLOMITE (cont.)

Producing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Italy—						
Magnesite, crude ..	1,015	1,009	2,025	2,989	4,042	4,042
Dolomite, crude ..	202,708	224,330	218,113	271,590	(a)	(a)
Luxemburg—						
Dolomite, calcined ..	8,802	8,893	5,635	6,274	6,356	8,111
Norway—						
Magnesite—						
Crude	1,430	1,003	1,830	817	780	(c) 780
Calcined (b)	480	575	405	300	(a)	(a)
Bricks (b)	200	146	68	83	(a)	(a)
Dolomite	55,810	101,029	108,248	92,584	106,002	108,000
Portugal—						
Dolomite	232	255	591	394	1,181	(a)
Spain—						
Magnesite	13,516	12,426	14,868	28,928	26,762	29,408
Dolomite, crude ..	120,898	64,700	149,836	189,881	(f) 221,856	108,444
Sweden—						
Dolomite, crude ..	(a)	(a)	(a)	93,773	141,932	121,774
Yugoslavia—						
Magnesite, crude ..	88,495	37,185	150,108	137,118	115,280	191,304
United States—						
Magnesite—						
Crude	598,363	456,027	724,001	336,543	586,495	613,008
Caustic (sales) (b) ..	44,626	33,978	38,411	28,798	31,921	31,704
Dead-burned (sales) (b)	385,890	345,422	356,368	257,384	373,894	384,481
Dolomite, crude (d) ..	4,912,000	4,533,000	5,171,000	3,478,357	1,900,800	(a)
Argentina—						
Dolomite	(a)	(a)	(a)	(a)	25,000	27,000
Brazil—						
Dolomite	(e) 55,908	(e) 56,579	(e) 53,031	33,121	87,026	60,993
Chile—						
Dolomite	(a)	22,628	(a)	(a)	(a)	(a)
Uruguay—						
Dolomite limestone ..	15,841	(a)	15,886	14,618	11,295	15,372
Formosa—						
Dolomite	(a)	(a)	2,632	3,232	3,171	(a)
Japan—						
Dolomite	642,478	656,566	711,720	716,804	807,198	1,041,210
Turkey—						
Magnesite	497	878	344	1,048	—	837

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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (b) ..	4,927	4,620	5,313	4,978	5,373	3,627
Canada (c)	4,000	5,000	(e) 6,000	(e) 6,000	7,000	10,000
FOREIGN COUNTRIES						
France	860	1,041	980	1,132	1,491	1,496
Italy	120	964	1,425	1,640	2,823	3,658
Norway	—	302	3,440	4,628	6,637	6,875
Switzerland (c)	250	300	300	—	—	—
U.S.S.R. (d)	30,000	40,000	44,000	50,000	50,000	58,000
United States	36,501	94,483	83,103	62,258	54,585	61,023
Japan	—	—	—	21	(a)	77
WORLD'S TOTAL ..	77,000	147,000	145,000	130,000	128,000	145,000

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Magnesium and alloys	420	703	276	247	954	1,405
Magnesium compounds	13,415	12,111	14,875	16,060	17,971	13,796
Southern Rhodesia—						
Crude and calcined ..	11,668	13,089	8,241	6,749	10,454	7,212
Tanganyika—						
Magnesite	2,651	—	57	78	285	243
Union of South Africa—						
Crude and calcined ..	304	—	—	—	—	—
Canada—						
Magnesium	(a)	(a)	(a)	(a)	(£1,777,447)	(£1,874,003)
Basic refractory materials	4,377	2,643	4,108	7,042	2,906	13,238
Cyprus—						
Crude	20	20	20	—	—	—
India—						
Magnesite	49,085	41,279	42,533	25,363	24,637	34,546
Chloride	1,986	1,650	1,557	318	644	164
Australia (b)—						
Crude and calcined ..	51	113	30	166	55	110
Sulphate	149	325	74	16	54	7
FOREIGN COUNTRIES						
Austria—						
Crude	420	984	118	1,075	596	368
Caustic	61,452	59,399	70,872	75,180	75,404	79,221
Dead-burned	82,417	80,316	71,334	77,606	149,650	148,471
Bricks	103,156	134,992	155,788	129,274	156,054	179,013
Dolomite	980	3,591	1,265	1,437	2,505	24,386
Belgium-Luxemburg						
E.U.—						
Crude	431	39	21	7	36	1,079
Calcined	20	20	11	1	43	5
Carbonate	1	—	—	1	17	2
Chloride	57	36	—	4	12	35
Sulphate	214	38	11	25	574	59
Dolomite, crude ..	68,792	13,549	8,185	6,723	12,315	15,783
do. ground	44	456	25	904	570	1,434
do. calcined	122,943	126,181	112,853	109,732	134,748	152,698
France—						
Crude and calcined ..	189	210	78	77	87	109
Magnesium metal (c) ..	606	167	219	160	117	60
Carbonate	182	184	294	527	536	258
Chloride	7,621	3,651	2,848	3,268	2,050	1,202
Sulphate	1,550	819	1,432	1,412	179	267
Dolomite, crude	3,546	3,873	3,934	6,511	12,862	19,442
do. calcined	342	530	542	2,137	2,528	3,352
Germany (Federal)—						
Crude and calcined ..	260	357	860	895	639	3,426
Carbonate, oxide, etc. ..	356	449	569	1,098	1,033	819
Chloride	16,047	10,801	11,897	13,290	13,008	15,596
Sulphate	22,297	19,122	27,973	35,431	35,813	43,884
Dolomite	(a)	96,962	85,278	81,689	87,303	103,640
Kieserite	(a)	(a)	45,945	46,002	51,762	58,788
Greece—						
Crude	18,368	16,616	14,713	12,643	10,763	19,879
Caustic	22,378	22,593	15,378	35,889	36,430	36,040

*Magnesite unless otherwise stated.

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Including alloys and scrap.

EXPORTS OF MAGNESITE, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Italy—						
Crude	39	1	358	501	50	46
Caustic	87	63	21	1	131	41
Magnesium metal including alloyed	3,867	1,677	851	1,575	2,408	3,033
Carbonate	109	70	124	35	123	43
Dolomite, calcined ..	(a)	2,656	4,104	4,026	4,743	3,096
Netherlands—						
Calcined	17,077	15,917	14,651	15,191	16,248	15,263
Sulphate	551	828	731	660	951	1,013
Norway—						
Crude	30	20	—	—	10	30
Bricks	170	119	53	36	55	24
Sweden—						
Crude and calcined ..	—	—	—	—	98	148
Yugoslavia—						
Crude	16,283	814	3,966	2,764	2,175	—
Ground and dead-burned	18,781	13,560	28,352	36,776	40,066	55,154
Mexico—						
Crude and calcined ..	—	55	56	2	—	44
United States—						
Magnesium metal (b) ..	513	952	2,431	2,764	6,796	3,025
Brazil	3,100	4,570	4,511	472	763	1,949
Peru—						
Sulphate	335	231	378	923	661	682
Turkey—						
Crude	—	591	—	—	—	—

(a) Information not available.

(b) Including alloys and scrap.

IMPORTS OF MAGNESITE, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Crude and calcined	22,967	21,601	22,705	20,619	44,590	58,041
Magnesium	(a)	(a)	(a)	(a)	6,621	3,167
Chloride	8,401	6,070	7,498	10,327	13,218	11,102
Other salts	2,045	2,691	(a)	(a)	(a)	(a)
Union of South Africa—						
Carbonate	10,415	13,132	8,278	6,839	9,369	6,939
Chloride	266	277	157	134	199	104
Sulphate	141	616	671	1,320	1,473	1,313
Canada—						
Magnesium alloys	(£38,438)	(£50,089)	(£52,077)	(£36,610)	(£67,649)	(£133,395)
Calcined and dead-burned	5,821	9,177	6,072	5,118	12,444	21,482
Carbonate and oxide	3,916	3,407	5,629	5,382	4,908	5,693
Sulphate	2,737	1,952	2,466	2,112	2,121	2,334
Bricks	(£167,124)	(£240,674)	(£344,715)	(£145,631)	(£201,480)	(£247,401)
Other salts	853	1,200	2,995	5,444	4,712	6,478
Hong Kong—						
Magnesite	(a)	15	5	—	—	—
India—						
Chloride	—	—	1	—	30	3
Sulphate	1	—	1	6	—	1
Other salts	776	601	626	390	863	56,389
Pakistan—						
Chloride	(c) 60	(c) 43	(c) 158	(c) 139	(c) 124	127
Sulphate	(c) 911	(c) 399	(c) 439	(c) 354	(c) 131	1,047
Other salts	(c) 67	(c) 21	(c) 46	(c) 32	(c) 187	113
Australia (b)—						
Crude and calcined	1,245	885	54	1,180	3,075	5,128
Magnesium metal and powder	(d) —	(d) 1	(d) —	27	53	20
Oxide	80	92	48	38	66	128
Carbonate	279	309	19	234	175	233
Chloride	326	305	258	360	488	515
Sulphate	429	658	109	530	706	735
New Zealand—						
Magnesite	44	48	61	39	64	55
Sulphate	423	350	334	513	609	622
Other salts	324	112	137	217	271	221
Irish Republic—						
Magnesium salts	523	456	695	463	444	401
FOREIGN COUNTRIES						
Austria—						
Sulphate	7,941	5,023	5,505	6,488	7,954	7,239
Chloride	3,030	1,380	2,155	2,731	3,020	2,826
Dolomite	58	222	314	951	1,184	1,596
Belgium-Luxemburg						
E.U.—						
Crude	297	342	165	599	647	1,087
Calcined	2,667	4,058	2,428	1,711	2,119	2,978
Bricks	10,433	12,621	14,455	9,897	13,625	18,718
Magnesium metal	181	110	105	135	263	296
Carbonate	368	354	423	437	454	526
Chloride	576	575	613	693	711	770
Sulphate	2,372	1,772	2,643	2,948	1,969	2,425

*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.

IMPORTS OF MAGNESITE, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U. (cont.)—						
Dolomite, crude ..	534	887	804	520	2,342	8,735
do. ground ..	101	207	492	205	209	54
do. calcined ..	6,406	7,228	4,951	4,694	4,474	6,146
Denmark—						
Crude	1,818	1,546	970	1,147	1,687	1,498
Chloride	1,339	993	743	702	687	647
Oxide	515	81	168	77	95	141
Sulphate	416	498	954	977	794	1,213
Dolomite	6,358	6,493	6,052	7,580	9,447	10,896
Finland—						
Crude and calcined ..	1,189	928	1,126	1,060	1,141	1,243
Bricks	(a)	1,488	3,264	3,062	2,517	2,291
Oxide	68	18	20	38	37	40
Carbonate	292	67	102	243	216	128
Chloride	1,207	648	1,063	687	995	721
Sulphate	246	39	227	128	117	110
France—						
Crude	3,001	3,990	3,651	3,750	5,127	3,571
Calcined	16,187	17,525	19,560	14,954	16,252	17,799
Magnesium metal (b)	75	138	26	160	244	348
Carbonate	494	252	115	171	162	171
Chloride	232	94	141	150	374	299
Sulphate	1,115	1,165	1,464	1,649	1,686	1,635
Dolomite, crude ..	7,000	5,790	7,416	6,435	10,552	14,889
do. calcined ..	167,613	181,231	156,183	146,525	174,931	182,662
Germany (Federal)—						
Crude	109,316	130,994	166,421	3,695	1,472	1,668
Calcined				148,776	168,870	169,612
Magnesium metal, crude and scrap ..	461	2,385	5,141	6,828	15,742	14,004
Dolomite	(a)	1,782	3,879	16,202	25,363	25,494
Italy—						
Crude	5,385	3,596	3,994	4,879	4,115	4,602
Caustic	10,541	13,606	13,679	8,961	10,457	18,504
Chloride	867	1,376	1,735	1,998	2,684	3,033
Sulphate	2,536	3,190	3,932	4,831	4,273	4,616
Netherlands—						
Crude	983	219	901	1,280	927	1,201
Calcined	18,600	19,044	15,766	19,132	17,100	18,082
Magnesium metal ..	53	98	132	108	128	125
Carbonate	231	130	272	339	269	391
Sulphate	5,899	3,518	5,766	6,207	4,727	4,708
Chloride	3,653	2,692	2,880	3,386	3,476	2,717
Dolomite, crude ..	4,377	3,797	4,215	7,711	4,070	17,830
do. calcined ..	20,942	21,763	25,034	28,981	26,817	31,468
do. ground ..	1,255	2,605	3,958	2,255	3,022	5,024
Kieserite	7,831	7,299	10,575	10,566	10,251	12,082
Norway—						
Calcined	1,013	649	618	493	558	545
Chloride	3,501	1,326	463	1,779	495	710
Dolomite	102	90	227	215	856	1,192
Portugal—						
Crude and calcined ..	129	184	146	228	257	336
Carbonate	102	39	71	101	96	111
Chloride	72	69	50	70	81	76
Oxide	309	334	421	543	313	8
Sulphate	1,098	769	990	1,231	855	1,208

(a) Information not available.

(b) Including alloys and scrap.

IMPORTS OF MAGNESITE, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Sweden—						
Crude and calcined ..	2,080	2,172	1,234	1,400	1,459	1,650
Bricks	11,260	12,140	14,507	12,159	15,031	13,191
Magnesium metal ..	332	323	222	165	256	260
Carbonate	271	136	170	226	196	140
Chloride	1,550	982	1,130	1,040	1,102	1,222
Sulphate	638	672	862	1,004	1,124	1,175
Yugoslavia—						
Calcined and ground ..	7,149	6,276	605	28	—	—
Bricks	1,681	4,793	6,399	3,685	1,411	158
Magnesium metal ..	60	77	58	99	89	120
Algeria—						
Calcined	8	24	8	7	6	8
Dolomite	645	784	916	907	2,113	2,397
Belgian Congo—						
Calcined	417	892	1,921	1,116	688	658
Sulphate	547	449	522	331	578	553
Chloride	2	1	1	4	1	3
Egypt—						
Magnesite and dolomite	1,407	2,060	2,815	3,071	3,676	(a)
Sulphate	1,049	120	343	186	682	(a)
Cuba (total imports)—						
Oxide	147	5	120	119	(a)	(a)
Carbonate	107	66	344	118	(a)	(a)
Mexico (total imports)—						
Calcined	31	62	22	296	511	327
Magnesium metal ..	326	373	346	379	350	354
Sulphate	50	43	27	102	81	64
United States—						
Calcined	3,743	1,803	2,422	2,177	3,169	6,911
Dead-burned	25,701	21,847	35,087	60,904	91,689	84,718
Bricks	4,033	5,236	5,622	6,473	7,555	10,803
Magnesium metal, etc.	3,456	225	2,181	654	1,646	562
Oxide	—	6	—	1	101	176
Carbonate, precipitated	173	163	226	178	252	235
Chloride	2	1	284	227	197	312
Sulphate (incl. Kieserite)	19,318	16,867	26,918	31,880	37,803	43,548
Argentina—						
Carbonate	(a)	479	135	305	950	341
Chloride	(a)	60	30	68	177	63
Oxide	(a)	10	1	1	20	24
Brazil (total imports)—						
Crude	(a)	(a)	1,068	6	1,273	3
Oxide	27	32	15	117	92	68
Sulphate	170	1,032	59	677	386	845
Chile—						
Crude	6,436	887	17	49	53	(a)
Calcined	463	2,772	1,480	3,003	1,108	(a)
Sulphate	568	149	329	62	573	(a)
Dolomite, crude ..	16,973	10,927	17,349	10,028	13,478	(a)
do. calcined ..	22	—	1,086	4,238	3,363	(a)
Colombia (total imports)—						
Crude and calcined ..	4	6	33	1,294	2,566	4,149
Carbonate	19	8	12	18	7	11
Chloride	30	5	2	29	10	11
Oxide	49	46	125	70	75	85
Sulphate	582	145	176	319	413	452

(a) Information not available.

IMPORTS OF MAGNESITE, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Peru—						
Crude and calcined ..	1,202	602	1,115	1,941	1,197	26
Carbonate	2	7	11	26	7	12
Oxide	2	3	2	4	2	5
Hydroxide	29	18	34	39	42	50
Sulphate	51	28	16	313	44	66
Chloride	—	2	2	3	—	3
Venezuela (total imports)						
Sulphate	(a)	104	131	112	(a)	103
Japan—						
Crude and calcined ..	99,479	41,367	77,960	40,412	52,638	94,876
Magnesium metal ..	1	80	426	1,024	1,722	4,526
Syria—						
Ground and calcined ..	15	(a)	25	29	(a)	(a)
Sulphate	153	(a)	64	239	(a)	142
Turkey—						
Carbonate, chloride, etc.	131	196	252	203	59	16
Oxide	11	16	12	12	11	4
Sulphate	155	219	656	218	558	187

(a) Information not available.

MANGANESE
PRODUCTION OF MANGANESE ORE
(Long tons)

Producing Country	Estimated Manganese Content					
	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Ghana (exports) ..	806,080	794,192	745,990	460,245	539,580	635,851
Northern Rhodesia ..	1,260	3,926	7,129	16,920	17,331	39,348
Southern Rhodesia ..	—	1,411	—	16	1,187	729
South West Africa ..	6,456	26,088	36,299	30,416	37,393	51,127
Union of South Africa ..	746,888	860,828	814,588	690,059	579,888	686,071
India ..	1,292,375	1,462,264	1,902,238	1,413,847	1,583,020	1,687,000
Australia ..	7,969	7,069	32,943	28,202	47,356	59,346
New Zealand ..	402	319	289	239	159	156
Papua ..	40	(a)	42	—	20	13
Fiji ..	(c) 631	(c) 2,010	(c) 2,186	9,619	17,699	19,318
TOTAL ..	2,862,000	3,158,000	3,542,000	2,650,000	2,824,000	3,178,000
FOREIGN COUNTRIES						
France ..	—	—	—	1,000	1,280	1,230
Greece ..	15,930	19,336	13,908	16,694	24,239	7,763
Italy ..	28,106	40,610	39,426	49,019	55,968	45,288
Portugal ..	8,270	10,904	12,426	9,489	3,918	3,132
Roumania ..	(a)	(a)	178,000	270,000	384,000	231,000
Spain ..	20,461	28,043	32,182	35,277	44,319	31,227
Sweden ..	17,267	18,579	11,484	8,044	15,140	28,788
U.S.S.R. (e) ..	4,000,000	4,333,000	4,568,000	4,517,000	4,668,000	44,800,000
Yugoslavia ..	12,665	12,487	9,859	9,061	10,782	11,390
Angola ..	45,462	54,224	64,824	31,129	31,119	52,130
Belgian Congo ..	69,825	125,957	213,242	378,857	454,440	324,330
Egypt (b) ..	152,910	187,991	279,597	174,727	212,320	197,000

(a) Information not available.

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

(c) Exports.

(d) Estimated.

(e) Revised.

PRODUCTION OF MANGANESE ORE (cont.)

Producing Country	1951	1952	1953	1954	1955	1956	Estimated Manganese Content					
	1951	1952	1953	1954	1955	1956	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES												
Morocco (Southern)	366,354	419,583	422,664	394,116	404,818	419,674	187,400	205,680	192,700	184,000	186,000	193,000
Morocco (Northern)	1,104	3,577	1,054	765	1,126	851	500	1,600	470	480	510	380
Sudan (a)	—	—	—	—	—	5,959	(a)	(a)	(a)	(a)	(a)	(a)
Cuba (b)	142,799	247,702	347,638	262,038	169,016	(e) 250,000	—	—	—	—	—	—
Mexico	77,939	140,538	240,949	(e) 270,000	(e) 114,000	(e) 200,000	28,074	44,341	73,870	82,040	35,241	59,967
United States (c)	93,756	103,017	140,657	184,043	256,478	306,000	47,700	55,771	73,871	87,810	123,700	147,000
Argentina	1,200	2,300	5,000	1,200	9,852	7,951	90,000	1,000	2,200	500	4,000	3,100
Brazil	200,327	245,297	227,731	159,962	209,151	305,875	90,000	110,000	102,000	83,000	94,000	138,000
Chile	38,483	52,997	53,793	37,122	42,674	47,250	18,253	23,988	24,007	17,150	19,971	21,329
Peru	931	(e) 1,400	(e) 1,000	(e) 4,000	(e) 5,000	(a) 9,200	435	689	470	1,762	2,145	(a)
Venezuela	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Burma	(a)	6,500	8,580	3,714	300	1,150	(a)	3,200	4,800	2,000	140	520
Indonesia	(a)	9,835	32,794	19,918	34,652	80,863	(a)	(a)	(a)	(a)	(a)	(a)
Iran (f)	11,355	11,163	11,318	13,989	9,503	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Japan	182,091	204,101	191,327	160,853	198,527	280,514	70,000	80,000	73,000	62,000	74,000	103,000
Korea (South)	2,211	7,299	3,010	1,527	3,427	1,927	880	2,900	1,200	600	1,400	800
Philippine Republic	21,990	20,301	21,168	9,245	11,724	4,344	9,600	8,900	9,300	4,000	5,100	1,900
Portuguese India	84,073	109,312	148,417	104,246	133,502	(e) 160,000	40,000	52,000	71,000	50,000	53,000	64,000
Turkey	49,719	105,158	72,782	49,026	49,311	59,792	24,400	51,500	35,800	24,000	24,000	29,000
New Caledonia	19,817	16,377	5,503	—	—	—	9,500	8,400	2,641	—	—	—
TOTAL (g)	5,740,000	6,613,000	7,433,000	7,251,000	7,634,000	7,889,000	—	—	—	—	—	—
World's TOTAL (g)	8,600,000	9,770,000	10,980,000	9,900,000	10,460,000	11,070,000	—	—	—	—	—	—

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): 1951—94,824; 1952—94,917; 1953—243,516; 1954—55,082; 1955—(a); 1956—(a)

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

(g) Revised.

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Metal	65	201	283	409	814	447
Ferro-manganese and spiegeleisen	1,437	1,785	950	8,903	1,195	966
Ghana—						
Ore	806,080	794,192	745,990	460,245	539,580	635,851
Northern Rhodesia—						
Ore	—	—	2,221	(f) 2,650	(f) 17,360	(f) 20,975
South West Africa—						
Ore	3,593	24,269	30,165	27,608	} 420,458	} 457,916
Union of South Africa—						
Ore	574,362	574,321	632,305	397,297		
Canada—						
Spiegeleisen	—	—	508	—	—	210
Ferro-manganese	60,275	27,937	610	3,249	26,254	53,076
Hong Kong (re-exports)—						
Ore	—	239	—	—	—	—
Manganese dioxide	(a)	(a)	101	73	51	217
India—						
Ore (b)	1,106,953	1,462,224	e 1,761,420	e 1,092,265	900,305	700,922
Feruginous manganese ore	4,222	20,200	65,099	23,881	53,096	52,458
Australia (c)—						
Ore	—	—	110	18,337	—	4
Fiji—						
Ore	631	2,010	2,186	5,707	9,258	19,318
Papua (c)—						
Ore	21	68	42	97	60	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg E.U.—						
Ferro-manganese	68	111	10	3,230	7,044	4,477
Spiegeleisen	(a)	(a)	(a)	4,677	4,678	3,769
France—						
Ore including manganese-ferrous iron ore	2,335	1,517	1,972	2,142	2,389	2,591
Manganese dioxide	45	436	328	362	382	454
Ferro-manganese	28,846	18,287	42,460	54,891	96,742	116,866
Spiegeleisen	9,818	10,770	1,209	1,212	5,500	4,724
Germany (Federal)—						
Ore	160	80	554	1,573	6,594	853
Ferro-manganese	(d) 212	(a)	(a)	(a)	(a)	(a)
Greece—						
Ore	14,154	18,538	16,732	15,840	18,509	12,667
Italy—						
Ore, including manganese-ferrous iron ore	49	78	—	39	1	6
Ferro-manganese	466	694	1,147	1,003	550	736
Netherlands—						
Ore, including manganese-ferrous iron ore	2,319	4,888	4,401	3,772	2,173	1,913
Norway—						
Ferro-manganese	79,161	83,488	64,361	48,669	64,478	74,264
Ferro-silico-manganese	22,482	17,797	11,580	22,354	30,437	45,811
Portugal—						
Ore	10,370	4,073	13,947	3,445	5,767	3,819
Spain—						
Ore	6	5,708	—	—	—	—

(a) Information not available.

(b) Including manganese ore mined in India but exported via the Portuguese port of Mormugao as follows: 1951, 90,465 tons; 1952, 53,062 tons; 1953, (a); 1954, (a); 1955, (a); 1956, (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.

EXPORTS OF MANGANESE ORE, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Sweden—						
Ore	584	497	403	545	1,614	2,604
Ferro-manganese	369	365	364	824	1,059	740
Spiegeleisen	—	92	—	—	—	—
Ferro-silico-manganese	220	82	3	319	35	1
U.S.S.R.—						
Ore	(b)	(b)	(b)	(b)	(b)	(b)
Yugoslavia—						
Ferro-manganese	846	2,322	1,335	2,215	4,019	2,877
Silico-manganese	845	329	1,132	123	797	493
Angola—						
Ore	44,000	50,816	61,672	18,400	40,033	35,270
Belgian Congo—						
Ore	63,665	123,117	180,806	246,067	270,112	336,369
Egypt—						
Ore	236,410	165,245	209,428	(a)	211,278	(a)
Morocco (Southern)—						
Ore	352,729	360,279	397,951	323,778	379,380	330,707
Morocco (Northern)—						
Ore	10	3,332	1,237	393	480	(a)
Sudan—						
Ore	—	—	—	—	—	5,959
Cuba—						
Ore	149,294	231,222	366,532	231,003	254,360	240,010
Mexico—						
Ore	86,749	149,716	282,977	227,645	70,102	155,044
Mn content	28,059	44,322	74,523	81,859	35,241	60,950
United States—						
Ore	7,170	8,704	6,155	5,457	5,606	5,476
Ferro-manganese	(c) 641	(c) 1,327	993	1,546	1,597	2,007
Brazil—						
Ore	118,006	158,852	163,477	92,889	173,756	256,233
Chile—						
Ore	20,692	33,691	43,864	23,424	8,464	(a)
Ferro-manganese	6,445	1,975	2,210	6,014	7,903	(a)
Manganese dioxide	2,831	1,328	984	—	398	(a)
Peru—						
Ore	1,367	3,784	4,640	3,596	5,759	8,706
Indonesia—						
Ore	7,410	17,074	30,608	11,256	39,924	81,785
Japan—						
Ore	79	1,673	244	248	317	242
Ferro-manganese	3,630	7,972	23,573	14,230	41,532	53,131
Philippine Republic—						
Ore	22,729	23,595	28,658	11,156	13,396	14,451
Portuguese India—						
Ore	61,874	137,463	207,361	101,795	160,811	162,000
Turkey—						
Ore	45,473	79,208	65,722	39,602	31,269	55,267
New Caledonia—						
Ore	19,128	17,041	7,548	—	428	—
Burma—						
Ore	(a)	(a)	(a)	3,898	954	(a)

(a) Information not available.

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

	1951	1952	1953	1954	1955	1956
United Kingdom	—	—	27,620	126,170	118,826	145,871
Germany	—	—	71,479	787	51,049	45,469
Netherlands	1,968	—	2,332	582	805	—
Norway	19,749	17,285	42,573	3,814	27,661	(a)
Sweden	20,076	21,348	5,062	19,852	10,469	17,688
United States	2,309	—	—	—	—	—

(c) Including spiegeleisen.

IMPORTS OF MANGANESE ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ore	381,148	430,576	493,691	500,380	404,708	441,804
Metal	86	59	8	15	71	249
Ferro-manganese and spiegeleisen	1,167	718	762	3,386	16,550	41,674
Silico-manganese	12,568	12,322	10,821	6,898	10,308	13,977
Union of South Africa—						
Ferro-manganese	39	56	90	9	—	—
Manganese dioxide	1,074	971	382	663	982	1,262
Canada—						
Ore	198,287	173,576	59,538	43,716	156,501	185,694
Ferro-manganese	261	1,454	932	7,613	3,522	1,956
Silico-manganese	302	136	16	17	243	1,009
Hong Kong (total imports)—						
Ore	267	24	—	8	110	135
Manganese dioxide	(a)	(a)	1,967	1,083	1,528	1,747
India—						
Ferro-manganese	(a)	(a)	580	6,197	481	291
Malaya (total imports)—						
Ore	170	1	778	1,655	1,825	1,128
Australia (c)—						
Ore	5,603	2,245	106	2,273	2,172	2,060
Ferro-manganese	273	54	110	684	2,206	10,357
FOREIGN COUNTRIES						
Austria—						
Ore	24,501	19,725	4,301	10,000	33,623	19,609
Ferro-manganese	4,444	6,862	2,709	4,308	5,951	7,219
Belgium-Luxemburg E.U.—						
Ore (d)	111,874	124,575	111,155	99,287	110,260	121,088
Ferro-manganese	78,626	81,421	49,651	42,910	62,357	71,532
Ferro-silico-manganese	(a)	(a)	1,165	2,973	1,640	3,002
Spiegeleisen	(a)	(a)	(a)	8,478	8,994	19,451
Denmark—						
Ore	2,771	1,978	2,543	2,499	3,044	7,796
Ferro-manganese, etc.	2,241	1,278	2,406	3,535	2,716	2,412
Finland—						
Ferro-manganese and spiegeleisen	1,637	1,186	1,165	1,620	1,754	2,556
Manganese dioxide	350	168	228	332	463	375
France—						
Ore (d)	424,438	397,596	435,005	399,630	669,552	649,711
Ferro-manganese	153	479	563	2,686	6,012	887
Manganese dioxide	3	—	31	33	52	339
Spiegeleisen	1,915	2,736	3,140	15,955	16,589	16,561
Germany (Federal)—						
Ore	260,978	177,512	415,656	177,723	320,375	416,872
Ferro-manganese	(b) 2,090	(a)	(a)	(a)	(a)	(a)
Italy—						
Ore (d)	54,491	97,807	37,070	91,326	82,271	121,175
Spiegeleisen	3,329	4,064	2,162	1,129	2,506	2,145
Ferro-manganese	219	19	162	789	3,857	8,211
Ferro-silico-manganese	—	19	—	118	538	1,129
Netherlands—						
Ore (d)	6,819	32,904	47,783	47,202	24,789	34,748
Ferro-manganese	(a)	(a)	(a)	5,401	7,376	7,100

(a) Information not available.

(b) January to September only.

(c) Years ended June 30 of that stated.

(d) Including manganiferous iron ore.

IMPORTS OF MANGANESE ORE, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Norway—						
Ore	198,741	249,313	215,614	99,129	152,714	214,300
Spain—						
Ore	6,233	9,399	1,896	11,722	28,810	(a)
Ferro-manganese ..	866	4,403	5,460	3,339	1,729	163
Sweden—						
Ore (chemical grade) ..	1,056	584	418	675	781	684
do. (metallurgical grade)	49,205	49,837	30,316	31,997	30,879	37,570
Ferro-manganese ..	2,327	1,445	1,850	2,897	3,032	6,952
Spiegeleisen	—	57	15	30	76	221
Ferro-silico-manganese	49	193	161	99	150	227
Yugoslavia—						
Ore	8,978	6,683	3,967	11,183	8,765	16,645
Algeria—						
Ore	11	26	61	31	72	20
Mexico (total imports)—						
Ferro-manganese ..	940	894	123	130	145	159
United States—						
Ore (b)	1,852,612	2,106,491	2,958,014	2,103,386	2,203,305	2,120,713
<i>Mn content</i>	828,102	930,646	1,286,139	941,394	980,783	926,440
Ferro-manganese ..	106,932	57,227	112,963	50,689	58,985	143,038
<i>Mn content</i>	84,773	45,562	87,680	39,950	47,286	110,672
Argentina—						
Ferro-manganese ..	2,394	1,480	2,169	4,176	698	1,908
Brazil (total imports)—						
Ferro-manganese ..	13	—	59	166	49	—
Chile—						
Ferro-manganese ..	265	243	59	5	22	(a)
Silico-manganese ..	481	13	19	8	5	(a)
Japan—						
Ore	253,777	69,065	108,957	111,965	172,854	203,311

(a) Information not available.

(b) Including the following quantities of ore containing 10 to 35% Mn (*Mn content* in brackets): 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); 1956—142,806 (29,951).

MERCURY
PRODUCTION OF MERCURY
(Lb.)

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
Austria (c)	2,315	1,698	1,742	2,138	1,265	441
Italy	4,094,000	4,246,000	3,904,000	4,140,000	4,068,000	4,707,000
Spain	3,380,497	2,974,306	3,308,664	3,277,696	2,753,733	3,000,000
Yugoslavia	1,113,000	1,111,000	1,085,000	1,098,000	1,109,000	1,005,000
Tunis	—	—	—	—	12,599	1,664
Mexico	613,670	663,662	884,184	1,121,350	2,270,999	1,484,000
United States	554,268	953,572	1,089,612	1,409,268	1,440,580	1,837,452
Bolivia (exports) ..	1,407	—	(a)	(a)	(a)	(a)
Chile	8,671	13,159	7,573	18,501	40,007	43,735
Colombia	—	—	—	—	2,700	—
Peru	—	—	—	5,884	11,228	(a)
China (d)	304,000	304,000	380,000	(a)	(a)	(a)
Formosa	(a)	(a)	(a)	3,300	—	—
Japan	140,377	234,320	486,825	780,039	379,274	632,700
Philippine Republic ..	—	—	—	—	48,260	229,140
Turkey	—	—	—	19,800	63,900	82,004
WORLD'S TOTAL (b)	10,900,000	11,400,000	12,000,000	13,200,000	13,600,000	14,400,000

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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Mercury	168,583	19,651	20,620	63,479	68,138	66,947
Chloride	94,310	(a)	(a)	(a)	(a)	(a)
Canada—						
Mercury	58,235	1,500	7,018	6,310	3,781	5,953
Hong Kong (re-exports)—						
Mercury	16,796	—	988	3,497	—	3,573
Malaya (re-exports)—						
Mercury	3,381	93	329	622	1,996	130
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Mercury	4,409	2,205	24,251	3,086	4,409	1,543
Sulphide of mercury	30,865	—	6,614	6,173	3,307	11,244
Other mercury salts	—	33,059	4,409	2,205	—	9,480
France—						
Mercury	5,952	13,889	6,173	15,873	14,110	3,748
Mercury salts	29,762	5,732	11,684	28,881	22,487	22,083
Germany (Federal)—						
Cinnabar	(b) 2,425	(a)	(a)	(a)	(a)	(a)
Mercury	3,527	1,984	11,244	10,362	7,937	42,108
Mercury salts	(b) 37,104	(a)	(a)	(a)	(a)	(a)
Italy—						
Mercury	2,090,423	2,546,559	4,192,766	4,705,934	2,123,089	5,700,272
Mercury salts	134,702	28,880	97,890	72,854	49,675	23,589
Portugal—						
Mercury	15,260	31,559	7,399	112	148	—
Spain—						
Mercury	3,689,281	3,363,240	3,318,693	3,308,697	2,450,667	3,095,909
Mercury salts	32,159	13,746	35,298	14,425	11,230	16,592
Sweden—						
Mercury	37,479	450	—	—	8,818	6,614
Switzerland—						
Mercury	421	448	35,230	300	111,918	721
Yugoslavia—						
Mercury	990,537	1,061,162	974,037	899,925	1,003,965	653,663
Mercury salts	(a)	62,230	39,178	93,961	55,810	118,005
Mexico—						
Mercury	524,771	598,500	948,779	1,403,293	1,842,048	1,753,870
United States—						
Mercury	18,311	30,369	41,497	67,628	34,301	82,044
Bolivia—						
Mercury	1,407	—	(a)	(a)	(a)	(a)
Peru—						
Mercury	—	—	408	—	15,267	26,929
Japan—						
Mercury	60	88	1,459	6,175	2	317
Turkey—						
Mercury	—	5,578	5,324	36,341	38,407	23,578

(a) Information not available.

(b) January to September only.

IMPORTS OF MERCURY, ETC.

(Less Re-exports)

(Lb.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Mercury	960,397	425,900	1,431,510	1,803,837	714,322	1,180,738
Chloride	248	41,193	74,582	22,479	13,445	15,960
Southern Rhodesia—						
Mercury	11,088	5,822	8,147	(b) 11,289	(b) 13,493	(b) 10,109
South West Africa—						
Mercury	108	82	78	178	} 11,171	42,818
Union of South Africa—						
Mercury	33,645	84,336	50,532	103,535		
Canada—						
Mercury	308,088	144,277	196,412	243,491	522,409	449,702
Mercury salts	(£4,220)	(£9,906)	(£12,330)	(£6,766)	(£4,094)	(£661)
British Guiana—						
Mercury	1,259	559	(a)	(a)	(a)	(a)
Hong Kong (total imports)—						
Mercury	4,636	—	9,502	6,235	6,370	19,901
India—						
Mercury	719,582	163	(c) 276,993	(c) 210	14	173,080
Malaya (total imports)—						
Mercury	849	1,540	1,080	6,878	4,386	3,268
Pakistan—						
Mercury	(e) 15	(e) 3	(e) —	(e) 331	(e) 112	304
Sarawak—						
Mercury	(a)	(a)	(a)	6	353	44
Australia (d)—						
Mercury	111,541	44,138	41,330	144,842	70,144	64,096
Mercury salts	246,640	108,069	33,160	53,303	182,079	367,592
New Zealand—						
Mercury	2,519	1,671	3,817	1,721	5,634	5,146
Mercury salts	2,700	5,800	3,800	6,400	10,500	11,300
FOREIGN COUNTRIES						
Austria—						
Mercury	41,447	34,392	30,644	55,777	49,824	19,842
Mercury salts	—	—	22,487	34,172	26,896	24,030
Belgium-Luxemburg						
E.U.—						
Mercury	61,729	83,776	72,753	101,854	63,272	85,098
Sulphide of mercury	2,205	2,205	2,205	1,543	12,125	—
Other mercury salts	—	2,205	13,228	23,810	13,667	11,684
Denmark—						
Mercury	11,905	3,086	9,039	19,842	19,621	131,175
Finland—						
Mercury and amalgam	23,473	23,303	39,185	111,298	124,405	65,111
France—						
Mercury	856,716	464,514	575,627	720,030	990,316	862,889
Mercury salts	11,905	2,205	—	—	220	11,905
Germany (Federal)—						
Mercury	438,940	336,425	649,261	1,658,758	1,572,557	1,181,237

(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.

IMPORTS OF MERCURY, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Greece—						
Mercury	86	3,468	57	311	(a)	(a)
Italy—						
Mercury salts	(a)	22,266	39,833	25,768	2,072	29,762
Netherlands—						
Mercury	81,571	46,297	72,753	61,729	99,208	176,370
Mercury salts	(a)	24,255	50,706	59,525	48,502	52,911
Norway—						
Mercury	119,080	25,014	60,815	87,819	26,078	14,332
Portugal—						
Mercury	55,709	16,574	13,151	5,911	34,599	7,939
Mercury salts	3,931	1,393	2,910	3,770	4,958	5,426
Sweden—						
Mercury	130,073	27,891	72,753	57,320	213,848	372,581
Switzerland—						
Mercury	117,149	25,020	72,234	98,672	121,501	72,792
Algeria—						
Mercury	1,984	2,205	3,527	2,425	2,646	2,425
Mercury salts	—	1,102	661	661	441	441
Angola—						
Mercury	75	117	11	126	97	(a)
Mercury salts	14,497	287	884	161	66	(a)
Belgian Congo—						
Mercury	(a)	(a)	2,377	3,148	6,713	3,948
Mercury salts	(a)	(a)	330	54	11	—
Egypt—						
Mercury	4,442	2,950	1,876	2,302	2,668	(a)
Morocco (Southern)—						
Mercury	(a)	1,230	4,738	873	1,323	721
Mozambique—						
Mercury	218	53	49	163	163	293
Sudan—						
Mercury	201	229	24	172	390	(a)
Tunis—						
Mercury	—	(a)	440	220	568	220
Cuba (total imports)—						
Mercury	4,169	3,170	4,129	3,093	54,437	(a)
Nicaragua (total imports)						
Mercury	392	71	174	234	(a)	(a)
United States—						
Mercury	3,637,338	5,460,998	6,337,885	4,936,700	1,546,932	3,607,505
Mercury salts	82,908	25,019	29,891	34,898	20,298	27,985
Argentina—						
Mercury	(a)	—	—	282	143	71,452
Mercury salts	(a)	503	3,018	5,315	2,006	8,386
Brazil (total imports)—						
Mercury	127,385	21,451	125,426	183,914	193,323	179,099
Chile—						
Mercury	809	697	669	4,782	4,353	(a)
Mercury salts	1,327	3,206	1,245	2,729	1,812	(a)
Colombia (total imports)—						
Mercury	6,583	5,450	10,218	4,374	6,632	165,681
Mercury salts	23,459	8,061	19,729	46,784	42,137	19,044
Peru—						
Mercury	2,059	1,881	1,931	1,153	882	1,929
Mercury salts	1,809	734	758	503	406	714
Uruguay—						
Mercury	194	—	392	(a)	(a)	(a)
Venezuela (total imports)						
Mercury	(a)	14,689	13,195	95,122	(a)	434,143
Mercury salts	4,330	251	126	1,743	(a)	243

(a) Information not available.

IMPORTS OF MERCURY, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Formosa—						
Mercury	(a)	4,526	8,755	3,556	2,099	16,175
Iran (b)—						
Mercury	29	2	7	772	(a)	(a)
Mercury salts	6,063	811	644	16,019	(a)	(a)
Japan—						
Mercury	418,986	55,713	366,313	68,185	406,023	1,048,172
Philippine Republic—						
Mercury	516	26,374	1,757	1,702	(a)	320
Turkey—						
Mercury	187	348	282	185	46	(a)
Mercury salts	3,325	4,109	3,822	3,865	767	1,455

(a) Information not available.

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

MICA
PRODUCTION OF MICA
(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Kenya	1	2	—	—	(14 cwt.)	—
Northern Rhodesia—						
Sheet	5	16	8	3	2	3
Nyasaland	—	(12 cwt.)	—	—	—	—
Southern Rhodesia—						
Block and sheet	93	93	66	82	63	55
Crude and waste	250	654	89	—	—	—
South West Africa—						
Waste	112	—	—	—	—	—
Tanganyika—						
Block and sheet	74	118	80	60	66	62
Ground	—	—	—	—	—	—
Waste	—	—	—	—	—	—
Uganda	(3 cwt.)	(6 cwt.)	(59 lbs.)	(5 cwt.)	—	—
Union of South Africa—						
Sheet	5	5	4	2	5	(10 cwt.)
Waste	1,746	2,621	1,912	1,834	3,490	2,249
Canada (sales)—						
Rough mine-run or						
rified	123	6	28	5	11	18
Trimmed	103	28	23	8	11	10
Splittings	3	3	4	1	—	1
Sold for mechanical						
splittings	49	47	75	18	4	7
Ground	921	441	297	418	421	667
Scrap	1,017	374	573	307	286	40
Ungraded	—	—	11	5	—	—
By varieties—						
Phlogopite and						
biotite	1,589	669	832	643	507	743
Muscovite and						
schist	626	230	179	119	225	—
Ceylon (exports)	(4 cwt.)	9	6	—	(1 cwt.)	—
India (exports)—						
Blocks	1,617	1,456	1,714	1,612	2,187	5,507
Splittings	13,726	5,649	5,451	4,852	7,468	6,546
Ground and scrap	9,180	8,244	5,104	10,275	12,133	12,180
Australia (b)—						
Block	23	32	32	38	25	13
Scrap	37	—	—	36	9	—
FOREIGN COUNTRIES						
Austria	302	—	—	—	—	—
France	(c) 449	182	116	152	137	(a)
Norway (incl. waste)	969	523	980	1,800	1,829	(a)
Spain	11	8	13	8	9	12
Sweden (sales)—						
Block	41	8	3	—	—	—
Ground	170	155	169	148	164	175
Angola—						
Sheet	15	28	19	11	15	24
Waste and splittings	119	197	10	161	230	432
Madagascar—						
Phlogopite (block)	943	1,052	803	516	266	530
Morocco (Southern)	36	6	13	13	(1 cwt.)	—

(a) Information not available.

(b) The following amounts of damourite were also produced (long tons): 1951—505; 1952—461; 1953—445; 1954—514; 1955—436; 1956—472.

(c) Including chlorite.

PRODUCTION OF MICA (cont.)

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Mozambique	10	2	3	1	13	12
Mexico (exports) ..	32	—	36	1	1	27
United States (sales)—						
Sheet (uncut)	266	312	379	296	286	396
Scrap (b)	64,171	67,175	65,410	72,387	85,207	77,062
Argentina—						
Sheet	177	217	241	236	44	138
Waste						
Brazil	1,632	2,088	1,941	1,769	1,362	1,306
Uruguay	1	(a)	(a)	(a)	(a)	(a)
Formosa	477	14	23	20	—	13
TOTAL*	99,000	91,000	86,000	97,300	116,000	110,000

* 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.

EXPORTS OF MICA
(Domestic Produce)
(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Splittings	35	20	5	2	—	} 1,714
Ground and waste	691	494	675	1,126	1,435	
Southern Rhodesia—						
Block and sheet	100	108	66	86	65	54
Waste	337	154	277	—	—	—
Tanganyika—						
Block and sheet	70	107	78	78	65	57
Ground and waste	—	16	51	28	274	125
Uganda	4	—	—	1	—	—
Union of South Africa—						
Waste	838	1,849	2,514	3,452	3,147	1,566
Canada—						
Rough cobbed and thumb trimmed	302	102	143	35	22	30
Splittings	—	2	—	—	—	—
Ground	346	197	143	107	—	41
Scrap and waste	438	397	605	202	140	53
Ceylon	(4 cwt.)	9	6	—	—	—
Hong Kong (re-exports)—						
Sheet, block, waste etc.	(a)	3	1	56	12	1
India—						
Block	1,617	1,456	1,714	1,612	2,187	5,507
Splittings	13,726	5,649	5,451	4,852	7,468	6,546
Ground and scrap	9,180	8,244	5,104	10,275	12,133	12,180
Australia (b)—						
Block, etc.	1	5	7	2	11	4
Micanite, etc.	(£21,164)	(£10,490)	(£7,088)	(£9,969)	(£9,098)	(£7,979)
FOREIGN COUNTRIES						
Austria	315	77	83	157	154	41
Belgium-Luxemburg E.U.—						
Unmanufactured	21	7	14	18	17	14
France—						
Unmanufactured (c)	113	63	99	66	105	138
Sheet, plate and manufactures	36	49	48	49	92	4
Germany (Federal)—						
Unmanufactured	1	43	85	130	154	379
Italy—						
Sheet and manufactured	11	14	12	9	3	17
Netherlands	25	11	15	27	207	55
Norway—						
Sheet	538	503	501	822	843	963
Scrap	30	14	325	456	334	632
Sweden	10	48	37	15	12	4
Angola—						
Crude	80	37	23	7	17	30
Waste	—	163	81	8	20	440
Madagascar—						
Phlogopite, etc.	677	725	628	486	641	631
Morocco (Southern)	113	4	4	23	4	—
Mozambique	1	4	2	1	2	—
Mexico	32	—	36	1	1	27
United States—						
Unmanufactured	178	264	20	142	200	244
Ground and manufactured	1,514	1,943	2,124	2,830	2,759	4,127
Argentina	(a)	2	100	33	154	262
Brazil	1,329	1,240	1,177	651	835	966

(a) Information not available.

(c) Including waste.

(b) Years ended June 30 of that stated. Revised.

IMPORTS OF MICA

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956			
BRITISH COUNTRIES									
United Kingdom—									
Block	292	671	301	627	499	470			
Splittings	3,062	1,546	492	925	1,168	744			
Ground and waste	4,138	4,197	3,263	6,338	4,806	3,593			
Tanganyika	—	9	(b) 1	—	6	—			
Union of South Africa—									
Mica and micanite sheets	29	32	35	49	23	53			
Canada—									
Unmanufactured	(£326,717)	(£257,667)	(£259,339)	{ 104	89	145			
Manufactured							(£132,777)	(£174,987)	(£193,901)
Hong Kong (total imports)—									
Sheet, block, waste etc.	(a)	1	—	68	5	—			
India—									
Block	72	—	3	16	143	1			
Splittings	26	12	26	47	27	6			
Australia (c)—									
Block and sheet	} 229	146	64	{ 22	24	21			
Splittings							59	75	83
Waste and scrap							50	314	211
Ground	12	15	2	7	42	26			
Micanite, etc.	(£21,998)	(£33,943)	(£19,407)	(£12,151)	(£26,616)	(£16,315)			
New Zealand—									
Scrap	17	7	15	13	(£NZ 728)	(£NZ 930)			
Other (£N.Z.)	(£27,810)	(£17,897)	(£14,549)	(£20,103)	(a)	(a)			
FOREIGN COUNTRIES									
Austria—									
Crude	23	22	74	134	197	400			
Sheet	29	33	24	32	50	32			
Belgium-Luxemburg									
E.U.—									
Unmanufactured	649	572	841	1,147	1,057	1,240			
Cut sheet and cut plate	—	25	—	2	1	1			
Denmark—									
Block	550	147	106	60	14	13			
Powder	367	2,383	2,168	2,613	1,243	2,241			
France—									
Unmanufactured (d)	1,634	1,336	998	1,840	1,970	2,447			
Sheet, plate and manufactures	7	8	12	20	44	1			
Germany (Federal)—									
Unmanufactured	1,367	1,924	2,406	1,964	2,889	3,202			
Italy—									
Unmanufactured	3,410	11,354	2,728	4,241	4,508	16,138			
Sheet and manufactured	29	141	97	143	222	234			
Netherlands									
Unmanufactured	269	229	297	543	400	448			
Sheet, plate and manufactured	56	34	53	56	68	51			
Norway—									
Crude and waste	(a)	(a)	1,066	1,791	1,672	1,144			
Portugal	—	2	21	35	34	47			
Sweden	407	634	786	710	996	834			
Morocco (Southern)	1	5	220	51	199	13			
Tunis	1	(a)	36	45	8	3			
Mexico (total imports)—	80	34	58	37	34	71			

(a) Information not available.

(b) Excess of re-exports.

(c) Years ended June 30 of that stated. Revised.

(d) Including waste.

IMPORTS OF MICA (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
United States—						
Unmanufactured ..	6,821	6,937	4,666	4,966	9,227	7,319
Cut, splittings and manufactured ..	10,045	4,711	5,146	3,002	5,496	4,832
Chile—						
Sheet and manufactured	50	57	3	89	69	(a)
Peru—						
Ground and waste ..	2	7	5	8	15	34
Venezuela (total imports)						
Unmanufactured ..	(a)	663	290	909	(a)	1,280
Japan	469	605	1,407	1,305	935	2,349

(a) Information not available.

MOLYBDENUM
PRODUCTION OF MOLYBDENUM ORE
(MoS₂ content)
(Cwt.)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Canada (shipments) ..	3,407	4,518	2,892	6,718	12,403	12,965
Hong Kong	2	7	30	1	—	—
Australia	27	2	37	14	48	2
FOREIGN COUNTRIES						
Austria	755	689	—	—	270	—
Norway	4,116	4,190	4,738	4,980	5,671	(a)
Portugal	—	—	15	50	163	163
Mexico	—	—	—	3,897	810	492
United States ..	578,196	643,735	852,460	873,681	920,040	855,751
Chile	56,572	54,269	44,904	39,507	41,753	46,120
Peru	105	111	157	47	—	(a)
Japan	1,760	2,929	5,934	6,687	6,515	7,834
Korea (South) ..	66	214	294	299	344	414
TOTAL*	645,000	710,664	911,461	935,881	988,017	929,000

* Excluding molybdenum ore known to have been produced in Italy, 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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom— Ferro-molybdenum ..	1,560	4,640	6,240	4,960	8,600	8,780
Canada— Concentrates	(a)	(a)	(a)	(a)	13,204	11,770
Australia (b)— Ore and concentrates ..	—	20	3	—	(a)	(a)
FOREIGN COUNTRIES						
France— Molybdic acid and molybdates	12	10	30	94	83	38
Norway— Ore	6,424	4,919	4,842	6,247	5,952	5,785
Sweden— Ore	—	20	—	—	—	138
Ferro-molybdenum ..	20	2,357	690	1,004	3,681	6,043
Mexico— Ore and concentrates (<i>MoS₂</i> content) ..	—	—	—	2,213	—	166
United States— Ore and concentrates (<i>MoS₂</i> content) ..	55,536	91,913	104,801	201,734	217,131	267,771
Metal, alloys and scrap	974	1,538	195	307	201	314
Ferro-molybdenum ..	13,249	9,733	5,771	2,212	3,118	8,435
Chile— Ore	80,700	66,930	50,328	45,273	57,084	(a)
Peru— Ore (<i>MoS₂</i> content) ..	35	183	40	50	—	—

(a) Information not available.

(b) Years ended June 30 of that stated.

IMPORTS OF MOLYBDENUM ORE, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ore	62,458	65,322	78,574	120,140	111,660	113,700
Metal	32	27	7	62	148	549
Canada—						
Oxide	5,057	4,644	3,198	3,780	5,876	8,530
Ferro-molybdenum	2,821	(a)	(a)	(a)	(a)	(a)
Australia (b)—						
Metal	(a)	(a)	94	5	(a)	(a)
Ferro-molybdenum	585	566	1,511	3,046	1,937	114
FOREIGN COUNTRIES						
Austria—						
Molybdic acid	317	504	137	16	402	1,181
Ferro-molybdenum	2,517	2,870	1,762	1,293	376	543
Belgium-Luxemburg						
E. U.—						
Molybdic acid	—	236	39	205	154	262
Molybdates	(a)	197	177	248	266	506
Ferro-molybdenum	(a)	1,791	1,023	1,346	3,321	3,573
Finland—						
Ferro-molybdenum	359	752	1,152	685	778	728
France—						
Ore	(a)	(a)	(a)	(a)	(a)	55,438
Metal and alloys	51	100	45	67	146	169
Molybdic acid and molybdates	98	49	35	37	67	392
Germany (Federal)—						
Ore	(a)	36,498	33,837	74,434	74,121	98,253
Italy—						
Ore	(a)	3,911	2,407	3,466	8,582	7,506
Ferro-molybdenum	1,555	4,369	5,644	3,677	3,376	5,506
Netherlands—						
Ferro-molybdenum	(a)	(a)	(a)	480	640	807
Sweden—						
Ore	16,141	16,003	10,669	21,338	31,711	35,766
Ferro-molybdenum	394	181	1,181	984	1,358	1,181
United States—						
Ore (<i>MoS₂ content</i>)	63	739	—	2,298	2,001	—
Japan—						
Ore and concentrates	1,473	2,261	4,311	13,818	4,882	27,046

(a) Information not available.

(b) Years ended June 30 of that stated.

NICKEL
PRODUCTION OF NICKEL ORE

(Metal content)

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Union of South Africa (b)	1,120	1,289	1,688	1,886	2,320	3,236
Canada	123,128	125,499	128,297	143,999	156,186	158,922
TOTAL	124,248	126,788	129,985	145,885	158,506	162,158
FOREIGN COUNTRIES						
Finland (c)	82	397	399	167	—	—
U.S.S.R. (d)	32,000	36,000	39,000	42,000	42,000	50,000
Cuba (e)	—	11,463	16,300	17,697	(i) 18,500	(i) 19,500
United States (f)	675	565	537	2,362	3,399	6,003
Burma (g)	(a)	57	14	103	64	59
Japan	—	—	—	—	97	(a)
New Caledonia (h)	6,604	10,487	16,792	13,479	24,326	29,051
TOTAL*	39,400	58,900	73,000	75,800	88,300	104,600
WORLD'S TOTAL*	163,600	185,700	203,000	221,700	246,800	266,800

* 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			
1951 .. .. .	..	..	—	1954 .. .. .	..	..	12,987
1952 .. .. .	..	..	7,968	1955 .. .. .	..	..	13,516
1953 .. .. .	..	..	12,361	1956 .. .. .	..	..	14,341

(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			
1951 .. .. .	..	..	7,680	1954 .. .. .	..	..	7,683
1952 .. .. .	..	..	6,678	1955 .. .. .	..	..	10,304
1953 .. .. .	..	..	7,457	1956 .. .. .	..	..	13,268

(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			
1951 .. .. .	..	..	4,358	1954 .. .. .	..	..	8,847
1952 .. .. .	..	..	5,827	1955 .. .. .	..	..	10,514
1953 .. .. .	..	..	5,856	1956 .. .. .	..	..	9,500

(i) Estimated.

EXPORTS OF NICKEL

(Domestic Produce)

(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ingots, cubes, rondels etc.	7,124	10,185	(c) 11,634	(c) 13,906	(c) 12,492	(c) 10,703
Plates, sheets, etc. . .	101	117	168	246	176	135
Other nickel, worked . .	167	124	165	638	1,282	1,206
Wire (alloyed)	567	682	849	766	793	800
Bars, rods, sheets, etc. (alloyed)	2,933	4,081	582	411	477	468
Other alloyed, worked . .			2,407	2,018	881	1,052
Scrap and alloyed	4,513	1,468	3,274	2,574	1,962	1,247
Nickel oxide	180	194	324	273	292	359
Southern Rhodesia—						
Ore	—	—	96	49	66	96
Union of South Africa—						
Matte (Ni content)	1,112	1,412	1,512	1,648	1,622	1,846
Canada—						
Matte or speiss (Ni content)	51,680	56,922	57,062	58,770	58,888	63,138
Nickel, fine	64,605	68,802	71,347	81,616	95,065	93,175
Nickel oxide (Ni content)	843	1,081	1,160	1,327	1,297	1,578
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E. U.—						
Ingots, scrap, etc.	57	75	66	62	100	112
Bars, sheets and wire . .	3	4	—	4	2	3
Denmark—						
Crude and scrap	35	66	210	130	(b) 150	(b) 210
Finland—						
Ore	—	460	416	—	—	—
Crude and scrap	—	12	59	—	59	—
France—						
Ore	27	—	20	10	—	(a) —
Matte and speiss	2	—	—	177	—	20
Crude and ingots	433	92	203	1,435	1,782	1,293
do. (alloys)	21	10	42	40	51	9
Bars and wire	18	4	7	28	5	1
do. (alloys)	39	12	7	36	31	15
Germany (Federal)—						
Crude and scrap	29	74	54	15	213	614
Bars, sheets, wire, etc. (c)	178	350	415	402	333	436
Italy—						
Ore	—	150	19	—	12	—
Ingots	1	1	2	8	—	1
Scrap	14	5	—	—	—	—
Sheets, tubes, wire and alloys	16	—	1	3	4	—
Netherlands—						
Crude and scrap	78	(b) 16	(b) 70	(b) 70	(b) 31	(b) 85
Norway—						
Ore	3,753	—	—	—	—	—
Crude	9,575	11,750	13,750	16,198	17,224	18,128
Sweden—						
Crude	—	—	—	30	12	47

(a) Information not available.

(c) Including alloys.

(b) Scrap only.

EXPORTS OF NICKEL (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Crude, scrap and alloys	333	107	468	357	409	468
Bars, sheets, etc. and alloys	136	109	277	731	517	527
Cuba—						
Nickel oxide	—	10,778	17,681	19,013	15,339	18,118
United States—						
Ingots, bars, rods, etc. and scrap including alloyed	3,737	6,078	13,136	11,444	17,247	13,496
Sheets, plates and strips including alloyed .. .							840	578	969
Japan—						
Ingots, slabs and grains do. alloyed	—	—	464	846	1,153	2,557
Bars, rods, plates and sheets	—	—	21	395	481	517
.. .. .	2	—	102	516	441	215
New Caledonia—						
Ore (3% to 6% Ni) .. .	6,889	108,145	204,626	146,178	330,970	761,009
Matte (75% to 78% Ni)	4,075	3,774	5,335	7,426	8,784	6,811
Ferro-nickel (32% to 35% Ni) .. .	3,533	8,744	6,679	11,567	14,219	12,673

(a) Information not available.

IMPORTS OF NICKEL

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ore, concentrates and matte	34,260	33,835	33,878	32,863	32,989	34,573
Ingots, cubes, rondels, etc.	3,225	4,578	5,879	5,930	8,690	7,989
Plates, sheets, etc. ..	47	8	14	18	3	3
Ingots, sheets, etc. (alloys)	2,288	1,941	3,218	2,855	3,014	2,697
Scrap and alloyed ..	221	784	1,246	2,063	2,085	1,390
Nickel oxide	491	653	469	624	720	729
Canada—						
Ingots or blocks incl. alloyed	43	28	402	186	401	216
Bars, rods, sheets, etc. incl. alloyed ..	1,075	1,444	2,351	1,228	1,476	2,065
Hong Kong (total imports)—						
Sheets, rods, wire, etc.	—	8	38	82	59	43
Australia (b)—						
Pigs and ingots ..	190	480	583	585	510	716
Bars, sheets, tubes, etc.	22	18	17	17	15	23
Pigs and ingots, alloyed	13	11	12	27	228	458
Bars, sheets, tubes, etc. alloyed	107	123	782	170		
Scrap	13	6	—	—	—	—
New Zealand—						
Ingots, bars, sheets, etc.	14	5	2	—	12	11
do. (alloyed) ..	70	33	27	11		
Irish Republic—						
Nickel alloys and manu- factures	5	3	5	11	33	48
FOREIGN COUNTRIES						
Austria—						
Crude	663	695	923	1,058	1,323	1,973
Anodes	11	13	28	78	92	45
Ingots, sheets, etc. ..	16	3	5	12	13	19
Scrap	—	—	—	6	42	37
Belgium-Luxemburg						
E.U.—						
Ingots, etc.	357	433	506	351	465	593
Scrap	6	7	12	8	158	145
Bars, sheets and wire ..	166	138	109	104	118	107
Denmark—						
Crude and scrap ..	58	61	80	106	105	143
Finland—						
Crude and scrap ..	210	221	201	185	448	296
France—						
Ore	—	6,908	14,898	760	—	(a)
Matte and speiss ..	5,448	12,167	9,831	13,358	8,864	7,107
Crude and ingots ..	86	986	1,196	1,142	1,551	1,521
do. (alloys)	215	175	56	5	463	56
Bars and wire	65	78	73	186	132	77
do. (alloys)	185	188	220	243	345	273

(a) Information not available.

(b) Year ended June 30 of that stated.

IMPORTS OF NICKEL (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Ore	29,587	1,045	163	56	54	20,008
Matte and speiss ..	316	466	604	55	4	3
Crude and scrap ..	4,080	5,488	7,041	13,079	18,273	17,642
Bars, sheets, wire, etc. and alloyed	21	11	21	82	132	136
Italy—						
Ingots and alloyed ..	523	961	1,470	1,833	2,167	2,218
Scrap	87	104	470	488	369	470
Sheets, tubes, wire, etc. and alloyed	96	88	121	131	211	157
Netherlands—						
Crude and scrap ..	323	223	193	338	315	340
Norway—						
Ore	—	—	148	74	—	—
Matte (copper-nickel)	20,634	26,119	29,576	34,624	37,111	43,795
Crude, bars, rods, etc. ..	3	9	100	14	5	—
Portugal	6	8	29	35	43	28
Spain—						
Crude, ingots, etc. ..	28	40	65	112	103	132
Bars, etc., including alloys	230	(a)	1,111	67	163	177
Sweden—						
Crude	2,737	2,556	2,881	3,325	3,908	4,256
Switzerland—						
Crude, scrap, and alloyed	597	518	608	519	695	759
Bars, sheets, etc. and alloyed	320	366	422	377	576	669
Yugoslavia—						
Crude	(a)	(a)	82	32	18	92
Algeria—						
Sheets, wire and alloys	—	—	4	5	—	1
Egypt—						
Crude, bars, sheets, etc.	14	9	31	23	32	(a)
Mexico (total imports)—						
Ingots	29	21	20	137	145	100
United States—						
Ore and matte	11,454	12,884	13,040	12,621	8,114	11,446
Pigs, ingots, scrap etc. ..	69,171	71,504	76,415	87,238	98,071	96,046
Bars, rods and sheets ..	34	10	311	118	16	16
Nickel oxide	10,702	21,789	28,437	28,808	29,372	28,010
Brazil (total imports)—						
Ingots, bars, sheets, etc.	223	180	153	319	206	269
Chile—						
Ingots	87	76	71	50	89	(a)
Colombia (total imports)						
Ingots, sheets, etc. ..	2	7	16	25	17	20
Japan—						
Ore	532	71,675	198,093	144,449	302,673	654,637
Matte	296	838	451	120	—	—
Ingots, slabs, grains and alloyed	326	329	86	103	15	27
Bars, rods, sheets and alloyed	165	736	1	3	25	42
Turkey—						
Ingots, bars, and sheets	—	7	15	11	—	1

(a) Information not available.

NITROGEN COMPOUNDS
PRODUCTION OF NITRATES (NATURAL)

(Long tons)

Producing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
India— Nitrate of potash ..	6,384	8,384	(b) 2,777	(c) 3,000	(a)	(a)
FOREIGN COUNTRIES						
Spain— Nitrate of potash ..	1,000	450	450	680	(a)	(a)
Chile— Nitrate of soda ..	1,653,667	1,415,833	1,397,812	1,549,445	1,515,893	1,140,868

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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (b)—						
Nitrogenous fertilizers expressed as 25% NH ₃ (e)	1,304,800	1,455,900	1,508,000	1,488,800	1,435,300	1,554,000
Actual ammonium sulphate	968,100	1,015,400	1,047,000	1,049,400	1,010,700	1,061,100
Canada—						
Ammonium sulphate	186,749	202,379	166,554	158,660	256,290	320,000
India—						
Ammonium sulphate	46,747	220,302	319,247	339,890	393,096	388,992
Australia—						
Ammonium sulphate (c)	57,893	63,815	71,192	70,811	77,800	94,100
FOREIGN COUNTRIES						
Austria—						
Lime ammonium nitrate	429,122	424,787	(d) 482,222	(d) 559,191	(d) 624,881	(d) 651,808
Belgium—						
N content—						
Synthetic ammonia etc.	188,639	186,447	179,426	220,171	205,963	231,875
Ammonium sulphate	15,557	15,802	15,587	15,346	15,208	16,298
Mixed fertilizers	3,618	4,318	4,055	7,417	6,838	10,440
Technical products	13,050	8,803	5,638	9,614	9,543	9,767
Finland—						
Cyanamide	2,646	947	3,881	1,673	(a)	(a)
Nitrate of lime	(a)	(a)	43,936	59,020	(a)	(a)
Ammonium nitrate	(a)	(a)	1,481	547	(a)	(a)
Ammonium sulphate	(a)	(a)	5,596	11,479	10,252	3,167
France (c)—						
Ammonium sulphate	227,100	236,740	199,350	168,900	193,130	216,480
Cyanamide	42,070	33,760	36,650	42,960	43,080	30,530
Nitrate of soda	31,060	33,190	31,080	29,590	31,430	30,200
Nitrate of lime	217,100	240,800	214,380	197,680	243,160	234,020
Nitrate of ammonia	265,280	270,300	288,100	264,310	343,930	351,950
"Ammonitrate"	187,500	269,092	294,210	343,050	420,730	592,550
Ammonium phosphate	7,050	6,000	4,100	2,420	(a)	(a)
Germany (Federal)—						
Chemical nitrogen (N content)—						
Fertilizer	473,843	592,831	614,987	685,039	751,013	792,844
Technical use	84,108	73,063	107,538	138,164	162,203	153,243
Italy—						
Ammonium sulphate	459,405	561,400	575,799	672,933	727,142	(a)
Cyanamide	203,077	156,080	217,729	194,843	226,613	
Nitrate of soda	540	1,269	1,041	1,064	6,996	
Nitrate of lime	252,629	219,997	312,661	357,636	377,228	
Nitrate of ammonia	73,183	41,681	110,541	215,913	263,106	
Di-ammonium phosphate	24,249	27,863	30,008	33,197	15,705	
Ammonium phosphate	12,022	12,966	13,646	42,070	(a)	
Netherlands—						
Nitrogen fertilizers (N content)	207,301	226,514	244,000	265,000	287,000	(a)

*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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Norway—						
Cyanamide	33,675	14,376	28,260	17,851	2,964	(a)
Nitrate of ammonia ..	5,308	5,662	5,238	4,970	5,974	(a)
Nitrate of lime ..	868,765	932,421	871,708	995,443	1,016,873	(a)
Nitrate of soda ..	2,348	4,210	3,378	2,090	2,133	(a)
Lime ammonium nitrate	55,428	40,372	61,769	58,657	65,706	(a)
Poland—						
Ammonium sulphate ..	(a)	(a)	74,000	80,600	(a)	(a)
“Asotniak”			165,400	153,400	(a)	(a)
“Salezak”			111,400	190,100	(a)	(a)
Portugal—						
Cyanamide	1	(a)	(a)	2,121	4,107	9,277
Ammonium chloride ..	500	(a)	(a)	(a)	(a)	(a)
Nitrate of ammonia ..	698	(a)	(a)	(a)	(a)	(a)
Nitrate of soda ..	123	(a)	(a)	(a)	(a)	(a)
Ammonium sulphate ..	469	42,522	33,042	57,810	78,934	103,052
Spain—						
Cyanamide	(a)	6,889	2,500	8,697	17,021	(a)
Ammonium nitrate ..	(a)	27,269	25,371	37,608	25,272	(a)
Ammonium sulphate ..	28,548	89,325	87,604	119,947	141,811	136,317
Sweden—						
Compressed ammonia (100%)	10,439	10,336	12,206	12,121	12,659	(a)
Ammonia (25%)	5,708	3,714	4,050	4,213	4,024	(a)
Synthetic nitrogen fertilizer (N content)	21,788	25,003	28,596	26,042	25,022	26,734
Yugoslavia—						
Ammonium nitrate ..	—	—	—	3,344	16,462	16,521
Egypt—						
Nitrate of lime ..	(a)	90,254	121,027	156,000	187,900	(a)
United States—						
Sulphate equivalent of ammonia produced (coke-ovens) ..	890,869	795,224	933,496	792,172	933,749	870,359
Actual ammonium sul- phate (coke-ovens) ..	802,020	716,440	844,762	734,659	876,184	788,125
Actual ammonium sul- phate (synthetic plants)	555,432	725,710	514,493	828,971	1,009,916	970,389
Anhydrous ammonia (synthetic plants) ..	1,586,673	1,832,245	2,042,665	2,428,273	2,800,037	2,979,337
Ammonium nitrate, original	1,202,181	1,310,126	1,391,479	1,658,595	1,541,536	1,641,382
Brazil (Volta Redonda)—						
Ammonium sulphate ..	(a)	(a)	4,465	6,126	5,872	6,662
Formosa—						
Cyanamide	46,831	67,979	72,085	70,614	72,841	73,341
Ammonium sulphate ..	4,874	5,640	5,748	4,908	4,358	6,494
Japan—						
Ammonium sulphate ..	1,647,963	1,921,446	2,000,612	2,151,491	2,095,319	2,285,920
Cyanamide	408,820	517,476	517,169	511,677	502,814	499,902
Ammonium nitrate ..	28,735	26,089	32,290	37,191	33,695	45,538
Ammonium chloride ..	13,641	27,318	34,640	57,021	62,843	75,235

(a) Information not available.

EXPORTS OF NITROGEN COMPOUNDS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Nitrate of potash ..	2,364	1,314	1,309	1,198	1,007	(a)
Nitrate of soda ..	7,554	2,171	1,672	536	165	(a)
Ammonium sulphate ..	255,537	447,348	393,546	338,758	203,928	24,651
Ammonium chloride ..	15,283	10,315	12,922	14,581	12,802	11,182
Ammonium nitrate ..	63,756	55,762	33,481	9,962	5,814	3,786
Ammonium phosphate ..	720	524	568	149	118	(a)
Liquid ammonia ..	1,117	893	844	982	997	} 4,566
Anhydrous ammonia ..	3,337	1,992	3,787	4,054	4,439	
Other nitrogen fertilizers	(a)	(a)	7,884	5,837	4,131	1,436
Canada—						
Ammonium sulphate ..	130,110	178,287	131,581	138,179	(£3,992,173)	(£4,390,147)
Nitrogen fertilizers ..	266,271	305,361	304,232	276,922	(£9,219,889)	(£6,133,443)
Hong Kong (re-exports)—						
Nitrate of potash ..	—	—	134	84	142	213
Nitrate of soda ..	—	—	15	50	1	—
Ammonium sulphate ..	} 100,751	{ 143,391	137,606	293,849	142,655	95,820
Synthetic nitrate ..			4,846	5,192	1,168	85
Ammonium chloride ..			2,134	336	86	118
India—						
Nitrate of potash ..	227	59	40	110	111	148
Malaya (including re-exports)—						
Nitrates of potash and soda ..	14	12	7	9	11	5
Other nitrogen fertilizers	1,315	862	1,263	2,063	1,463	2,667
Anhydrous ammonia ..	3	7	12	8	8	4
FOREIGN COUNTRIES						
Austria—						
Lime ammonium nitrate	269,822	265,168	(a)	(a)	(a)	(a)
Ammonium nitrate ..	1,028	20	14	80	—	—
Ammonium sulphate ..	—	2,257	—	—	—	—
Anhydrous ammonia ..	3,528	240	206	431	577	1,250
Belgium-Luxemburg						
E.U.—						
Nitrate of potash ..	1,328	379	91	119	49	21
Nitrate of soda ..	359	445	202	178	56	—
Nitrate of lime ..	1,312	9,463	1,373	1	11	—
Ammonium sulphate ..	460,907	354,452	542,356	532,121	480,884	579,869
Ammonium chloride ..	2,347	185	30	24	70	54
Ammonium nitrate ..	165,817	71,509	112,729	114,174	184,810	109,583
Ammonium phosphate ..	1,868	2,907	8,723	13,145	13,942	18,975
Cyanamide ..	9,235	2,977	1,076	1,641	7,992	11,719
France—						
Nitrate of potash ..	3,705	1,328	669	980	1,225	3,418
Nitrate of soda ..	1,105	1,011	3,394	1,518	3,881	1,089
Nitrate of lime ..	6,311	5,396	5,255	12,250	5,484	4,413
Ammonium sulphate (b)	95,651	161,686	63,739	162,576	69,556	79,097
Ammonium chloride ..	1,553	399	2,511	1,802	1,072	585
Ammonium nitrate ..	5,249	2,143	5,190	6,830	6,465	21,382
Cyanamide ..	667	541	221	908	537	855
Anhydrous ammonia ..	563	566	667	697	383	265

(a) Information not available.

(b) May include some "Ammonium nitrate".

EXPORTS OF NITROGEN COMPOUNDS (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Nitrate of potash ..	1,784	2,662	5,399	5,372	7,090	6,801
Nitrate of soda ..	3,976	3,243	15,133	21,378	4,964	3,588
Nitrate of lime ..	99,632	91,665	157,705	123,434	99,979	100,712
Lime ammonium nitrate ..	(c) 74,005	333,477	390,999	438,903	570,888	503,630
Ammonium chloride ..	5,834	1,966	4,363	7,470	8,758	8,021
Ammonium nitrate, etc.	1,750	—	—	—	—	—
Cyanamide ..	(b) 4,226	(a)	(a)	(a)	(a)	(a)
Other nitrogen fertilizers	188,707	236,107	302,511	394,084	502,606	584,248
Italy—						
Nitrate of soda ..	1	249	16	11	3	9
Nitrate of lime ..	—	1,969	16,768	10,355	16,200	609
Ammonium nitrate ..	10	387	28,310	80,306	98,058	125,981
Ammonium sulphate ..	31,674	172,600	164,240	141,074	216,721	261,553
Cyanamide ..	11,683	6,330	48	5,717	5,341	6,410
Netherlands—						
Nitrate of potash ..	25	14	14	12	18	51
Nitrate of soda ..	62	26	1	—	16	7
Nitrate of lime ..	39,302	46,765	45,708	51,135	33,286	55,339
Ammonium sulphate ..	205,218	286,161	278,198	281,141	317,268	305,019
Ammonium chloride ..	56	10	28	57	76	17
Ammonium nitrate ..	(a)	—	797	—	—	—
Lime ammonium nitrate	49,620	149,337	198,758	219,908	155,846	202,834
Other nitrogen fertilizers	46	—	44	—	—	—
Norway—						
Nitrate of soda ..	4,531	3,957	2,793	1,405	2,095	5,328
Nitrate of lime ..	825,026	815,578	842,488	924,232	869,105	904,658
Ammonium nitrate ..	1,707	660	163	188	191	1,091
Cyanamide ..	14,005	17,070	26,497	4,919	—	2
Portugal—						
Ammonium sulphate ..	1,537	3,846	712	2,839	5,597	6,536
Spain—						
Ammonium sulphate ..	874	378	—	—	7	10
Synthetic nitrates ..	713	1,047	—	—	—	133
Sweden—						
Ammonium nitrate ..	129	17	12	15	2,972	20
Switzerland—						
Nitrate of potash (crude)	8,686	10,658	6,801	—	5	18
Nitrates of potash and soda (purified) ..	10	68	24	22	105	97
Ammonium sulphate, etc. ..	2,274	5,800	5,963	3,493	579	5,183
United States—						
Nitrate of soda ..	38,990	8,430	21,615	22,604	10,379	3,641
Ammonium nitrate ..	5,628	8,520	7,308	15,145	69,567	111,791
Ammonium sulphate ..	119,732	108,560	35,215	180,579	546,792	681,028
Other nitrogen fertilizers ..	56,936	42,865	41,505	43,635	73,318	75,990
Nitrogen phosphatic fertilizers ..	97,317	54,348	41,120	76,479	75,810	39,346
Anhydrous ammonia ..	5,274	13,778	13,499	35,051	39,334	47,611
Chile—						
Nitrate of soda ..	1,520,133	1,251,865	1,173,617	1,486,754	1,234,485	(a)
Nitrate of potash ..	52,393	47,832	41,124	63,038	66,975	(a)
Japan—						
Cyanamide ..	19,676	462	13,838	60,072	33,010	9,948
Ammonium nitrate ..	2,171	2,339	3,283	3,849	2,559	984
Ammonium chloride ..	268	71	14	1,485	11,003	2,549
Ammonium sulphate ..	21,632	176,633	491,275	457,317	407,114	468,021
Other nitrogen fertilizers	92,334	42,438	63,905	19,102	62,151	1,128

(a) Information not available.

(c) October to December only.

(b) January to September only.

IMPORTS OF NITROGEN COMPOUNDS

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Nitrate of potash ..	489	343	710	927	1,281	(e) 82
Nitrate of soda ..	30,044	16,873	16,598	13,354	18,754	17,924
Cyanamide ..	3,439	7,748	6,116	2,043	1,480	509
Anhydrous ammonia ..	13	15	18	36	38	21
Ammonium sulphate ..	—	—	5	—	4	37,474
Malta—						
Nitrate of soda ..	198	119	98	148	—	—
Ammonium sulphate ..	145	728	1,084	1,805	1,309	2,411
Ghana—						
Ammonium sulphate ..	(a)	(a)	(a)	443	571	1,560
Kenya—						
Nitrate of soda ..	—	21	—	—	124	—
Other nitrogen fertilizers	810	3,332	2,365	3,935	8,097	8,321
Mauritius—						
Nitrate of potash ..	1,482	988	} 25,015	} 23,783	} 26,909	} 37,485
Nitrate of soda ..	6,622	7,600				
Ammonium chloride ..	—	—				
Ammonium sulphate ..	21,828	22,437				
Nigeria—						
Ammonium sulphate ..	(a)	(a)	(a)	4,390	4,177	3,717
Other nitrogen fertilizers	(a)	(a)	(a)	5	571	223
Northern Rhodesia—						
Nitrates ..	72	119	95	(c)	(c)	(c)
Ammonium compounds	837	827	903	(c)	(c)	(c)
Southern Rhodesia—						
Nitrates (incl. fertilizers)	1,577	2,292	4,404	(b) 2,713	(b) 4,515	(b) 113
Anhydrous ammonia ..	19	19	33	} (b) 1,112	} (b) 855	} (b) 241
Ammonium compounds	(a)	(a)	(a)			
Ammonium sulphate ..	(a)	(a)	(a)				(b) 20,125	(b) 36,735	(b) 34,281
South West Africa—						
Anhydrous ammonia ..	9	10	1	2	(f)	(f)
Tanganyika—						
Synthetic nitrate of soda, calcium and ammonia	21	25	10	} 1,423	} 2,228	} 2,564
Other nitrogen fertilizers	853	4,889	—			
Uganda—						
Nitrogen fertilizers ..	524	587	724	761	2,247	3,931
Union of South Africa—						
Nitrate of potash ..	92	77	138	128	(g) 168	(g) 182
Nitrate of soda ..	204	787	2,380	705	(g) 1,102	(g) 1,260
Ammonium sulphate ..	41,275	44,349	34,769	62,872	(g) 84,529	(g) 40,259
Ammonium chloride ..	1,306	317	366	410	(g) 576	(g) 760
Ammonium nitrate ..	16,136	34,489	22,137	15,057	(g) 9,403	(g) 518
British Guiana—						
Nitrogen fertilizers ..	17,967	12,831	10,855	(d) 11,731	(d) 11,967	(d) 17,758
British Honduras—						
Nitrogen fertilizers ..	(a)	(a)	26	539	268	(a)
British West Indies—						
Barbados—						
Nitrate of soda ..	—	—	—	—	10	35
Ammonium sulphate	12,137	10,039	9,682	9,365	10,779	11,933
Jamaica—						
Nitrogen fertilizers	15,954	10,909	17,489	20,247	18,852	22,197
St. Vincent—						
Ammonium sulphate	504	825	265	544	490	391
Trinidad and Tobago—						
Ammonium sulphate	8,916	11,503	8,615	12,204	13,504	19,270

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) See under Southern Rhodesia.

(d) Ammonium sulphate only.

(e) Excess of re-exports.

(f) Included with Union of South Africa.

(g) Including South West Africa.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES (cont.)						
Canada—						
Nitrate of potash ..	634	350	539	442	554	487
Nitrate of soda ..	23,613	20,042	17,904	16,044	19,131	24,580
Ammonium sulphate ..	281	754	18,977	12,591	6,276	2,807
Ammonium chloride ..	1,128	262	339	396	554	618
Ammonium nitrate ..	1,279	1,251	718	767	741	620
Anhydrous ammonia ..	1,214	7,620	7,502	24,124	20,796	15,867
Other nitrogen fertilizers	(a)	(a)	(a)	942	334	203
Ceylon—						
Ammonium sulphate ..	86,306	51,372	77,428	89,601	99,788	97,526
Cyanamide ..	196	281	403	363	251	171
Cyprus—						
Ammonium sulphate ..	(a)	(a)	6,750	4,878	10,035	13,013
Ammonium chloride ..	6	3	6	6	4	4
Other nitrogen fertilizers	(a)	(a)	3,108	5,526	5,040	6,924
Hong Kong (total imports)—						
Nitrate of potash ..	(a)	(a)	251	362	564	664
Nitrate of soda ..	—	—	310	—	—	—
Ammonium sulphate ..	105,195	156,594	108,185	306,892	149,300	95,127
Synthetic nitrates ..			6,189	4,862	1,572	754
Ammonium chloride ..			(a)	1,675	107	394	584
India—						
Nitrate of soda ..	10,710	3,705	9,794	8,444	8,390	663
Ammonium sulphate ..	84,684	33,615	77,824	83	15,597	73,334
Ammonium phosphate ..	—	1,350	300	—	300	—
Ammonium chloride ..	4,443	2,729	4,123	4,293	2,643	1,280
Other ammonium salts ..	2,809	243	646	1,968	1,844	2,253
Anhydrous ammonia ..	137	45	101	81	98	83
Other nitrogen fertilizers	450	5,584	4,300	2,119	2,991	4,013
Malaya (total imports)—						
Nitrogen fertilizers ..	29,154	35,964	24,546	42,820	51,604	55,805
Anhydrous ammonia ..	1,757	561	1,860	2,014	3,044	2,186
North Borneo—						
Ammonium sulphate ..	(a)	(a)	(a)	198	246	446
Other nitrogen fertilizers	(a)	(a)	(a)	8	30	8
Pakistan—						
Nitrate of soda ..	(b) 60	(b) 5	(b) 30	(b) 5	(b) —	5
Ammonium sulphate ..	(b) 9,448	(b) 5,593	(b) 92	(b) —	(b) 3	300
Ammonium chloride ..	(b) 26	(b) 40	(b) 13	(b) 97	(b) 25	—
Other ammonium salts ..	(b) 274	(b) 134	(b) 122	(b) 382	(b) 50	807
Anhydrous ammonia ..	(b) 68	(b) 59	(b) 182	(b) 151	(b) 64	30
Sarawak—						
Ammonium sulphate ..	(a)	(a)	(a)	663	802	1,829
Other nitrogen fertilizers	(a)	(a)	(a)	23	31	106
Australia (c)—						
Nitrate of potash (d) ..	713	332	174	272	297	368
Nitrate of soda ..	5,700	15,765	7,855	6,963	11,714	14,102
Ammonium chloride ..	(d) 42	(d) 40	(d) 19	52	114	3
Ammonium sulphate ..	42,756	40,848	384	11,187	35,056	9,466
Ammonium nitrate ..	(d) 1,420	(d) 6,482	(d) 1	1,144	1,222	2,475
Other nitrogen fertilizers	15	49	22	72	260	386
New Zealand—						
Nitrate of potash ..	64	50	79	29	98	87
Nitrate of soda ..	4,042	3,302	3,427	3,103	5,863	5,113
Ammonium sulphate ..	4,746	4,567	2,782	4,583	5,716	4,454
Ammonium chloride ..	235	452	227	278	348	296
Ammonium nitrate ..	21	139	12	410	(a)	(a)
Anhydrous ammonia ..	83	75	47	40	46	86
Cyanamide ..	503	454	2,211	5,317	—	—
Fiji—						
Ammonium sulphate ..	3,508	4,110	4,333	5,368	(a)	(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) Total imports.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
Irish Republic—						
Nitrate of potash ..	95	90	147	(a)	(a)	(a)
Nitrate of soda ..	5,788	6,032	100	2,288	4,493	3,439
Ammonium sulphate ..	36,200	25,202	51,475	47,723	59,647	55,840
Liquid ammonia ..	676	507	415	546	534	440
Anhydrous ammonia ..	80	73	58	57	56	63
Other nitrogen fertilizers	(a)	4,616	4,725	8,488	9,504	11,046
FOREIGN COUNTRIES						
Austria—						
Nitrate of lime ..	2,928	5,404	2,067	2,068	1,230	1,040
Nitrate of potash ..	206	160	221	341	381	274
Cyanamide ..	4,886	—	884	930	1,399	1,040
Ammonium chloride ..	322	202	75	24	12	20
Belgium-Luxemburg						
E.U.—						
Nitrate of potash ..	124	2	1,176	1,102	1,741	1,651
Nitrate of soda ..	5,957	25,264	21,715	41,406	30,166	35,655
Nitrate of lime ..	1	318	3,361	863	820	1,455
Cyanamide ..	728	—	80	62	94	207
Ammonium sulphate ..	1,694	2,750	31,886	5,379	4,883	16,728
Ammonium chloride ..	546	644	1,050	2,449	2,294	1,797
Ammonium nitrate ..	478	8,205	44,850	1,856	1,290	9,515
Anhydrous ammonia ..	11,543	11,878	2,162	9,850	12,638	17,604
Denmark—						
Nitrate of potash ..	939	567	692	972	742	949
Nitrate of soda ..	40,187	14,076	14,912	25,633	18,335	26,280
Nitrate of lime ..	361,281	357,961	436,634	478,991	414,747	539,123
Ammonium sulphate ..	14,436	9,685	109	7,293	9,861	15,180
Ammonium chloride ..	1,024	409	938	636	550	915
Ammonium nitrate ..	61,662	21,365	32,601	25,063	7,648	24,516
Cyanamide ..	787	—	143	73	—	30
Finland—						
Nitrate of potash ..	100	100	67	99	132	43
Nitrate of soda ..	565	275	464	658	361	199
Nitrate of lime ..	29,276	62,525	32,496	28,588	35,874	48,198
Ammonium nitrate ..	6,168	31,197	25,284	38,771	18,331	3,780
Ammonium sulphate ..	61,504	36,911	24,496	31,154	31,710	55,681
Ammonium chloride ..	319	166	219	260	273	580
France—						
Nitrate of soda ..	147,097	59,834	84,660	138,665	102,819	88,495
Nitrate of lime, etc. ..	1,699	—	—	—	9,818	4,905
Ammonium sulphate (b)	25,111	33,602	2,981	25,952	75,158	1,021
Ammonium nitrate ..	28,157	14,452	7,985	19,024	2,275	10,679
Ammonium chloride ..	791	616	938	1,402	1,995	2,547
Anhydrous ammonia ..	25,722	19,440	374	1,222	2,138	8,991
Cyanamide ..	—	946	—	—	1,022	16,600
Germany (Federal)—						
Nitrate of potash ..	10	—	49	157	207	304
Nitrate of soda ..	3,978	2,624	5,449	27,937	28,482	32,833
Greece—						
Nitrate of potash ..	123	96	43	179	(a)	(a)
Nitrate of soda ..	46,522	20,625	679	44,626	7,117	2,184
Ammonium nitrate ..	27,594	8,544	3,100	12,172	20,330	33,591
Ammonium sulphate ..	58,645	16,869	65,577	82,294	75,624	60,103
Iceland—						
Nitrate of lime ..	—	30	—	5	20	20
Ammonium nitrate ..	7,135	—	—	—	—	—
Lime ammonium nitrate	2,461	11,121	13,780	13,385	—	—
Nitrophoska ..	295	738	1,083	1,292	2,297	492

(a) Information not available.

(b) May include some "ammonium nitrate".

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Nitrate of potash ..	1,320	928	1,038	1,034	807	874
Nitrate of soda ..	25,666	18,688	41,794	50,586	44,469	42,276
Nitrate of lime ..	7,814	5,866	5,437	—	—	—
Ammonium chloride ..	413	408	589	1,065	1,022	854
Ammonium nitrate ..	5,038	1,613	5,470	2,379	2	156
Cyanamide ..	2,948	8,501	1,476	—	—	—
Netherlands—						
Nitrate of potash ..	1,647	1,537	1,075	1,461	1,718	2,400
Nitrate of soda ..	1,956	5,494	14,578	38,267	28,836	17,240
Nitrate of lime ..	314	2,489	15	39	31	—
Ammonium sulphate ..	285	11	6,818	7,876	3,169	12,119
Ammonium chloride ..	974	613	906	1,207	1,603	1,009
Ammonium nitrate ..	—	1	1	2	1	1,674
Lime ammonium nitrate	109,756	38,937	110,096	115,040	33,442	20,310
Cyanamide ..	12,795	10,260	7,028	5,313	2,404	1,169
Other nitrogen fertilizers	—	536	2,044	8,512	9,753	8,176
Norway—						
Nitrate of potash ..	203	80	129	199	104	194
Ammonium sulphate ..	266	145	156	145	196	—
Portugal—						
Nitrate of potash ..	1	153	280	353	316	391
Nitrate of soda ..	22,775	32,046	22,645	38,364	23,093	22,169
Nitrate of lime ..	(a)	(a)	1,067	2,669	3,291	1,304
Ammonium sulphate ..	104,588	60,722	79,427	138,515	57,297	44,667
Ammonium chloride ..	61	53	56	60	110	105
Ammonium nitrate ..	1,401	2,307	5,936	2,747	2,458	3,527
Cyanamide ..	14,745	4,759	6,751	6,011	7,297	1,264
Lime ammonium nitrate	2,095	15,045	25,000	37,507	33,076	45,129
Nitro-phoska ..	(a)	(a)	2,664	3,489	3,435	3,881
Anhydrous ammonia ..	418	460	406	289	150	124
Spain—						
Nitrate of soda ..	30,555	68,295	142,412	151,953	99,041	155,415
Cyanamide ..	226	5	—	—	1	—
Ammonium sulphate ..	172,194	300,471	122,793	201,095	340,346	348,636
Ammonium chloride ..	16	43	—	—	—	—
Synthetic nitrates ..	112,787	112,870	63,176	81,947	130,533	149,512
Sweden—						
Nitrate of potash ..	675	382	636	700	776	924
Nitrate of soda ..	36,174	29,706	23,713	36,226	53,653	25,146
Nitrate of lime ..	284,563	280,700	247,864	294,364	264,572	324,503
Ammonium nitrate ..	7	2	22	106	175	1,478
Ammonium sulphate ..	8,825	1,677	1,782	2,204	3,967	9,503
Ammonium chloride ..	440	285	671	1,135	965	892
Cyanamide ..	—	3,931	4,862	—	—	—
Switzerland—						
Nitrate of potash, crude	—	98	99	1	295	16
Nitrates of potash and soda, purified ..	547	513	661	475	697	811
Ammonium sulphate, etc. ..	419	130	558	542	49	35
Ammonium chloride ..	798	269	360	606	814	702
Yugoslavia—						
Nitrate of potash ..	222	219	1	1,080	—	39
Nitrate of soda ..	12,210	6,097	5,843	10,521	9,693	21,076
Ammonium chloride ..	141	172	(a)	(a)	(a)	(a)
Ammonium sulphate ..	79	113	8,061	8	—	—
Ammonium nitrate ..	8,930	3,932	(a)	(a)	(a)	(a)
Lime ammonium nitrate	(a)	(a)	4,441	76,105	113,573	159,250

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Algeria—						
Nitrate of potash ..	22	20	13	21	11	377
Nitrate of soda ..	384	340	459	909	1,224	842
Nitrate of lime ..	4,104	3,269	3,279	4,680	4,108	3,011
Ammonium chloride ..	710	263	150	1,028	959	539
Ammonium sulphate ..	21,608	9,949	16,937	20,619	23,444	12,644
Ammonium nitrate ..	2,617	1,486	3,957	5,035	5,510	11,852
Cyanamide ..	274	320	89	430	138	203
Angola—						
Ammonium sulphate ..	1,981	1,358	837	1,835	3,091	2,225
Canary Islands—						
Ammonium sulphate ..	(a)	(a)	24,844	38,014	50,913	46,229
Egypt—						
Nitrate of soda ..	246,893	274,541	171,428	96,288	35,388	(a)
Nitrate of lime ..	177,999	190,073	236,702	186,218	165,481	(a)
Ammonium sulphate ..	65,488	38,297	28,846	81,080	83,666	(a)
Ammonium chloride ..	486	577	433	565	539	(a)
Ammonium nitrate ..	69,838	37,938	66,896	158,322	127,835	(a)
Ammonium sulpho- nitrate ..	8,226	8,566	12,459	15,940	31,494	(a)
Morocco (Southern)—						
Nitrate of potash ..	(a)	(a)	293	324	405	17
Nitrate of soda ..	240	188	40	225	275	137
Ammonium nitrate ..	1,065	286	580	1,690	987	2,080
Ammonium sulphate ..	4,299	9,392	9,160	14,986	18,523	6,986
Morocco (Northern)—						
Ammonium sulphate ..	529	575	385	541	1,346	(a)
Reunion—						
Ammonium sulphate ..	(a)	5,933	6,098	7,374	(a)	8,019
Sudan—						
Synthetic nitrate of soda, calcium and ammonia	10,560	22,296	16,646	18,426	13,180	4,164
Other nitrogen fertilizers	—	1,904	1,924	7	14,253	18,695
Tunis—						
Nitrate of potash ..	15	(a)	70	19	148	22
Nitrate of soda ..	275	(a)	302	171	265	744
Nitrate of lime etc. ..	88	(a)	93	221	216	—
Ammonium sulphate, etc. ..	1,239	(a)	1,612	2,771	2,476	1,051
Cuba (total imports)—						
Nitrate of potash ..	22,066	22,708	8,262	3,883	5,357	(a)
Nitrate of soda ..	13,496	5,127	814	2,481	4,990	(a)
Ammonium sulphate ..	44,263	33,616	8,825	21,763	(a)	(a)
Anhydrous ammonia ..	148	737	790	97	(a)	(a)
Mexico (total imports)—						
Nitrate of soda ..	12,334	11,007	9,352	15,119	9,532	10,462
Ammonium sulphate ..	2,842	50	23	8,108	41,202	34,306
Ammonium nitrate ..	6,783	5,156	4,046	10,121	24,528	34,120
United States—						
Nitrates of potash and soda, crude ..	7,728	14,696	11,175	11,811	17,232	17,367
Nitrate of potash ..	3,111	11,837	15,131	1,428	2,089	2,114
Nitrate of soda ..	658,325	602,972	507,922	653,152	542,556	446,439
Nitrate of lime ..	49,771	35,237	60,530	61,283	50,323	58,296
Ammonium sulphate ..	192,952	212,556	467,730	272,332	154,570	176,473
Ammonium chloride ..	2,995	1,663	1,901	1,560	1,694	2,330
Ammonium nitrate ..	306,350	417,670	681,590	468,695	361,827	390,143
Ammonium phosphates	120,502	119,007	148,658	146,547	209,396	170,169
Cyanamide ..	60,921	85,888	73,409	75,188	72,954	59,987

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Argentina—						
Nitrate of potash ..	(a)	142	370	504	826	—
Nitrate of soda ..	(a)	20,908	7,183	20,405	27,576	20,859
Ammonium sulphate ..	(a)	6,855	6,346	10,889	11,517	13,405
Brazil (total imports)—						
Nitrate of potash ..	1,988	1,354	177	2,055	869	1,345
Nitrate of soda ..	70,332	45,547	77,736	43,750	49,713	41,956
Ammonium nitrate ..	1,018	508	4,473	10,439	11,850	8,341
Ammonium sulphate ..	21,314	6,383	21,164	23,215	28,237	47,156
Cyanamide ..	61	194	—	71	181	58
Other nitrogen fertilizers	(a)	(a)	1,245	4,097	2,698	7,773
Anhydrous ammonia ..	412	201	10	16	—	2
Chile—						
Ammonium chloride ..	401	877	178	281	464	(a)
Ammonium sulphate ..	29	6	54	480	511	(a)
Ammonium nitrate ..	4,986	4,633	4,371	1,116	3,381	(a)
Anhydrous ammonia ..	285	128	32	51	85	(a)
Colombia (total imports)—						
Nitrate of potash ..	137	106	263	273	326	304
Nitrate of soda ..	1,636	1,035	612	1,857	335	611
Ammonium chloride ..	267	87	58	113	99	218
Ammonium sulphate ..	6,716	3,841	2,706	3,472	4,791	5,996
Other nitrogen fertilizers	704	2,434	5,454	10,198	7,819	12,638
Ecuador—						
Nitrogen fertilizers ..	1,701	1,168	760	2,302	2,222	2,115
Peru—						
Nitrate of potash ..	53	21	41	55	52	58
Nitrate of soda ..	8,456	9,648	7,063	6,710	16,852	9,382
Anhydrous ammonia ..	183	105	106	171	173	167
Other nitrogen fertilizers	13,937	15,354	18,303	20,921	20,642	18,462
Uruguay—						
Nitrate of potash ..	9	984	571	(a)	(a)	(a)
Nitrate of soda ..	409	514	1,808	(a)	(a)	(a)
Ammonium sulphate ..	900	223	1,443	(a)	(a)	(a)
Venezuela (total imports)						
Nitrate of potash ..	88	59	213	289	557	330
Nitrate of soda ..	400	685	986	568	809	771
Ammonium sulphate ..	206	790	2,492	3,399	9,421	6,765
Formosa—						
Nitrate of soda ..	297	346	767	1,244	768	1,263
Ammonium sulphate ..	74,950	80,901	120,474	286,283	252,638	247,046
Other nitrogen fertilizers	(a)	1,314	45,605	544	492	984
Indo-China—						
Ammonium phosphate ..	2,063	4,048	68	907	(a)	(a)
Ammonium sulphate ..	10,259	8,921	10,038	13,113	(a)	(a)
Indonesia—						
Nitrate of soda ..	248	59	153	294	398	220
Ammonium chloride ..	207	186	238	291	224	223
Ammonium sulphate ..	26,260	51,579	66,701	73,306	99,736	122,484
Other nitrogen fertilizers	2,527	424	787	1,773	922	3,272
Israel—						
Ammonium sulphate ..	26,622	10,439	18,203	42,162	36,377	30,176
Nitrogen fertilizers ..	5,177	4,315	2,848	12,961	5,979	11,003
Japan—						
Nitrate of soda ..	6,854	5,572	6,658	8,883	7,759	9,246
Ammonium sulphate ..	—	—	—	—	—	101
Ammonium nitrate ..	—	—	—	—	—	—
Korea (b)—						
Ammonium sulphate ..	(a) {	164,572	374,562	154,445	63,700	26,481
Ammonium nitrate ..	(a) }	30,202	67,455	18,634	(a)	(a)

(a) Information not available.

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

IMPORTS OF NITROGEN COMPOUNDS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Lebanon—						
Nitrogen fertilizers ..	12,189	12,141	18,763	20,309	20,939	27,574
Philippine Republic—						
Nitrate of potash ..	435	16	37	78	1,803	59
Nitrate of soda ..	3	—	43	2	—	33
Ammonium phosphate ..	33,789	44,826	46,778	23,706	13,487	11,247
Ammonium sulphate ..	48,888	86,478	56,088	23,880	49,304	32,302
Turkey—						
Nitrate of soda ..	1,240	2,929	488	1,477	125	2,988
Ammonium chloride ..	406	569	382	103	306	160
Ammonium sulphate ..	1	2	—	2	4	39,593
Ammonium nitrate ..	532	—	492	10	410	2,308

(a) Information not available.

PETROLEUM AND ALLIED PRODUCTS

PRODUCTION OF CRUDE PETROLEUM*

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Crude petroleum ..	45,200	55,500	54,800	59,100	53,600	66,100
Shale oil ..	104,600	106,500	104,100	99,600	96,700	77,600
Union of South Africa						
(Shale oil) (c) ..	37,514	32,997	38,403	34,613	36,337	46,798
Canada (b) ..	6,027,283	7,751,560	10,240,367	12,162,069	16,384,841	21,769,696
Trinidad (b) ..	2,977,531	3,036,811	3,192,275	3,375,618	3,556,544	4,132,681
Bahrain Islands (e) ..	1,474,742	1,475,104	1,482,967	1,456,600	1,489,100	1,478,400
British Borneo—						
Brunei ..	4,891,784	4,993,687	4,803,603	4,712,241	5,133,440	5,547,433
Sarawak ..	51,702	49,944	49,057	70,190	65,614	70,616
India ..	260,400	258,752	267,245	301,834	341,098	374,100
Pakistan ..	193,985	226,200	251,700	277,800	295,322	225,706
Kuwait (e) ..	27,783,170	37,042,122	42,529,558	46,969,415	53,894,068	54,117,349
Qatar (e) ..	2,332,214	3,245,343	3,997,926	4,704,423	5,361,779	5,783,812
Australia ..	270	—	—	—	—	—
New Zealand ..	758	1,236	1,135	979	814	1,000
TOTAL ..	46,180,000	58,270,000	67,010,000	74,224,000	86,709,000	93,691,000
FOREIGN COUNTRIES						
Albania ..	(d) 150,000	(d) 180,000	200,000	230,000	259,000	(a)
Austria ..	2,247,373	2,721,277	3,170,064	3,377,582	3,608,211	3,373,351
Czechoslovakia (d) ..	95,000	178,000	192,000	198,000	200,000	(a)
France ..	286,135	343,039	360,546	500,000	861,900	1,244,800
Germany (Federal) ..	1,345,100	1,727,705	2,154,135	2,624,000	3,097,000	3,451,000
Hungary ..	491,000	589,000	833,000	1,193,000	1,576,000	1,183,000
Italy ..	17,367	62,646	83,941	71,057	201,090	558,342
Netherlands ..	703,024	703,712	806,977	922,231	1,008,000	1,079,543
Poland ..	180,000	230,000	240,000	180,800	177,000	180,800
Roumania ..	6,100,000	7,800,000	9,000,000	9,600,000	10,400,000	10,700,000
U.S.S.R. ..	41,600,000	46,600,000	52,000,000	58,400,000	69,700,000	82,500,000
Yugoslavia ..	145,793	149,144	169,995	212,856	253,143	289,041
Algeria ..	8,040	45,298	88,332	72,900	53,964	33,010
Angola ..	—	—	—	—	—	8,246
Egypt ..	2,295,343	2,315,023	2,314,111	1,938,978	1,792,640	1,799,000
Morocco (Southern) ..	74,472	99,431	100,990	116,085	100,838	95,913
Cuba ..	13,000	15,000	21,000	14,000	50,000	69,000
Mexico (b) ..	10,761,000	10,854,700	10,046,000	11,782,000	12,591,900	13,253,000
United States (b) ..	307,905,600	313,676,200	322,887,900	317,121,600	340,332,600	358,552,300
Argentina ..	3,468,366	3,494,000	4,039,000	4,171,000	4,324,564	4,367,346
Bolivia ..	66,000	68,000	60,300	156,000	354,000	420,200
Brazil ..	92,925	100,944	123,194	133,517	271,993	539,264
Chile ..	95,000	116,700	161,480	222,700	331,000	455,000
Colombia (b) ..	5,520,986	5,438,193	5,553,586	5,631,059	5,593,046	6,215,647
Ecuador ..	361,000	378,590	395,250	419,524	479,883	455,676

*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.

PRODUCTION OF CRUDE PETROLEUM (cont.)

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Peru	2,104,993	2,306,290	2,253,372	2,243,684	2,265,317	2,451,000
Venezuela	89,456,000	94,925,000	92,623,000	99,462,000	113,205,000	129,279,000
Burma	100,414	100,470	127,765	178,460	215,193	245,776
China (b)	300,000	429,000	618,000	776,000	950,000	1,156,000
Formosa	2,830	2,400	2,350	4,620	3,110	2,691
Indonesia	7,327,145	8,388,780	10,063,826	10,604,957	11,604,063	12,592,104
Iran	c16,176,600	b 1,250,000	b 1,140,000	b 2,700,000	f15,772,000	f25,934,000
Iraq	8,548,800	18,553,290	27,740,366	30,146,447	33,149,233	30,820,078
Israel	—	—	—	—	—	27,000
Japan	327,000	298,000	294,000	297,000	312,000	303,000
Netherlands New Guinea (d)	228,000	239,000	237,000	491,200	477,954	357,632
Saudi Arabia	36,608,585	39,870,805	40,887,754	46,136,583	46,784,693	47,935,041
Turkey	18,800	21,354	26,126	58,000	175,774	300,789
Neutral Zone (e)	—	—	—	833,000	1,250,000	1,650,000
TOTAL	545,200,000	564,300,000	591,000,000	613,300,000	683,800,000	774,300,000
WORLD'S TOTAL	591,400,000	622,600,000	658,000,000	687,500,000	770,500,000	838,000,000

(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.

PRODUCTION OF NATURAL GASOLINE

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Canada	58,526	65,895	68,451	76,541	97,335	102,696
Trinidad (b)	22,845	23,239	30,017	32,991	31,093	29,295
Brunei	—	—	—	—	56,131	61,395
FOREIGN COUNTRIES						
Italy	3,736	26,122	49,771	56,729	55,714	61,700
Egypt	12,520	9,408	5,951	5,226	5,689	(a)
Mexico	(a)	158,500	(a)	192,672	192,700	(a)
United States	23,496,000	25,649,000	27,378,000	28,933,000	32,288,000	33,009,000
Argentina	9,174	(a)	(a)	(a)	8,280	8,857
Colombia	(a)	90,646	91,615	127,035	148,069	147,034
Ecuador	(a)	15,240	16,046	18,295	19,664	19,410
Peru	123,278	118,678	121,494	109,806	106,154	(a)
Venezuela	256,900	275,000	361,000	359,000	404,000	(a)
Formosa	796	675	707	594	433	(a)
WORLD'S TOTAL (c)	24,300,000	26,400,000	28,200,000	29,900,000	33,400,000	34,100,000

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Union of South Africa ..	13	12	11	10	9	6
Barbados	106	154	151	122	133	125
Canada	79,461	88,686	100,986	120,735	150,772	173,261
Trinidad	31,725	31,503	34,597	38,494	40,860	51,743
Brunei	1,752	1,780	2,076	2,404	2,713	2,890
Pakistan	—	—	—	—	1,377	10,425
New Zealand	—	—	6	5	5	8
FOREIGN COUNTRIES						
Austria	17,051	17,235	19,586	22,078	27,058	26,307
France	9,973	9,752	8,799	9,147	9,401	11,696
Germany (Federal) ..	2,715	3,399	3,657	5,303	10,905	16,281
Hungary	14,232	17,587	19,317	19,635	19,176	17,022
Italy	34,124	50,594	80,506	104,789	128,948	157,730
Roumania	81,190	(a)	123,550	130,665	138,116	(a)
U.S.S.R. (c)	241,553	260,341	282,872	310,170	365,720	483,036
Yugoslavia	474	489	2,581	3,183	1,946	2,424
Morocco (Southern) ..	—	13	151	290	265	258
Tunis	(a)	(a)	(a)	(a)	156	205
Mexico	86,027	93,655	93,231	94,079	120,353	124,591
United States	7,457,359	8,013,457	8,396,916	8,742,546	9,340,100	10,074,300
Argentina	29,289	(a)	(a)	(a)	37,389	24,519
Colombia	17,269	7,204	17,092	19,247	19,070	22,036
Peru	28,885	(a)	(a)	(a)	35,694	(a)
Uruguay	36	(a)	(a)	(a)	(a)	(a)
Venezuela (d)	674,973	740,708	730,212	764,032	858,434	976,329
Formosa	1,065	982	1,092	1,026	1,007	1,056
Indonesia	27,930	38,007	49,356	56,343	67,948	72,825
Japan	2,924	3,216	3,902	4,979	5,492	6,244
Saudi Arabia	43	46	48	42	44	(a)

*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): 1951—112; 1952—145; 1953—161; 1954—191; 1955—221; 1956—267.

(a) Information not available.

(b) Estimated.

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

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

PRODUCTION OF ASPHALT ROCK
(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
France	70,501	71,915	84,319	77,570	80,861	79,000
Germany (Federal) ..	114,302	111,952	127,157	136,139	125,331	112,356
Italy	264,670	210,034	237,271	338,168	367,628	358,511
Angola	17,482	21,281	16,967	19,465	17,022	18,587
Belgian Congo	128	171	734	226	—	—
United States (sales) ..	1,230,745	1,402,409	1,286,200	1,194,484	1,274,000	1,303,000
Philippine Republic ..	29,842	27,923	9,793	2,929	3,199	671
Syria	14,115	9,874	12,812	15,542	21,533	33,687

(a) Information not available.

PRODUCTION OF NATURAL ASPHALT, ETC.
(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Trinidad	154,705	170,595	143,243	142,101	136,729	141,127
FOREIGN COUNTRIES						
Albania	(a)	(a)	50,000	(a)	(a)	(a)
Spain	7,594	6,731	7,097	10,790	6,341	(a)
French West Africa—						
Bitumen	—	200	—	—	—	—
Mexico (exports)	25	—	—	—	—	—
United States (sales)—						
Gilsonite	58,501	54,232	54,022	67,806	74,100	(a)
Argentina—						
Grahamite (exports) ..	(a)	747	955	1,207	1,627	1,214
Imponite	14,000	12,368	11,705	14,285	12,400	9,544
Iraq	(a)	(a)	(a)	(a)	12,710	(a)

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

(a) Information not available.

PRODUCTION OF OIL-SHALE
(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain	1,411,707	1,401,191	1,385,665	1,356,218	1,336,093	1,053,835
Union of South Africa (b) ..	196,596	191,583	276,296	257,407	274,459	256,942
Australia	78,564	21,661	—	—	—	—
FOREIGN COUNTRIES						
Austria	985	753	942	1,038	841	707
France	372,604	338,040	308,000	243,976	214,000	144,000
Spain	52,285	156,111	189,119	234,071	486,669	589,343
Sweden (c)	1,463,447	1,630,271	1,901,744	1,793,034	1,829,070	2,101,852

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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (d)—						
Aviation and motor spirit	2,884,900	4,851,800	6,311,700	7,221,100	7,220,000	6,771,000
Other spirit	217,400	220,400	244,900	279,700	295,000	136,000
Kerosine	233,800	556,000	538,600	738,400	780,000	869,000
Gas oil and diesel oil ..	3,096,000	3,791,700	4,261,500	4,124,500	4,474,000	5,189,000
Fuel oil	7,834,400	10,294,800	11,116,700	11,939,000	10,776,000	10,395,000
Fuel used in refineries	771,400	1,162,100	1,512,600	1,830,000	2,055,000	2,131,000
Lubricating oil	409,500	368,500	362,300	582,100	693,000	776,000
Bitumen	750,300	715,800	722,400	819,200	862,000	933,000
Paraffin wax	15,300	14,738	17,800	29,000	18,000	19,000
Canada (b)—						
Aviation spirit	45,407	52,283	66,861	54,866	58,959	58,463
Motor spirit	6,000,013	6,644,460	7,315,979	7,864,749	8,386,396	9,102,910
Naphtha	122,734	103,996	105,471	99,285	107,973	102,033
Kerosine	1,013,040	931,165	1,101,429	1,249,089	1,342,545	1,672,637
do. Power	62,225	47,571	38,844	20,391	70,928	89,975
Aviation turbine fuel ..	29,475	48,188	146,277	208,309	333,653	512,469
Gas oil, etc.	1,973,428	2,093,566	2,491,528	3,216,556	3,820,073	4,766,034
Diesel oil	1,026,889	1,327,781	1,485,580	1,681,259	2,172,954	2,950,997
Fuel oil	3,446,737	3,986,520	4,238,075	4,404,750	5,498,044	} 6,893,521
do. (used in refineries)	689,675	712,762	763,359	847,022	(a)	
Lubricating oil	266,451	237,287	228,503	221,550	} 213,829	} 273,103
Grease	15,214	14,152	15,349	11,427		
Coke	147,044	181,596	213,092	211,506	357,741	386,927
Asphalt	781,991	859,348	888,845	929,955	1,148,418	1,240,487
Trinidad—						
Aviation spirit	191,220	190,417	189,619	193,353	215,859	256,784
Motor spirit	630,404	650,819	804,460	840,059	906,072	954,535
White spirit	314	55	302	224	160	4,829
Kerosine	84,552	109,614	97,730	79,538	107,522	98,140
do. Power	347,512	473,404	411,186	379,076	276,669	272,257
Gas and diesel oil	690,670	722,235	732,559	781,593	1,023,315	1,234,118
Fuel oil	2,747,178	2,551,408	2,529,705	2,472,515	2,687,419	3,035,120
Lubricating oil and greases	356	395	217	390	392	602
Bitumen	71,725	98,219	87,971	129,615	67,064	48,016
Other finished products	45,961	73,477	103,724	86,634	78,267	148,960
Aden—						
Motor spirit	—	—	—	—	634,636	682,725
Kerosine	—	—	—	—	355,512	295,376
Fuel oils	—	—	—	—	3,054,878	3,386,366
Bahrain Islands (c)—						
Motor spirit	2,025,304	2,203,606	2,067,200	2,253,400	2,219,300	1,973,600
Kerosine	833,564	1,121,647	1,081,300	1,058,800	777,100	715,400
Gas oil and diesel oil ..	1,303,242	1,370,455	1,580,200	1,863,800	1,950,600	1,841,600
Fuel oil	3,834,619	3,967,478	4,270,300	4,372,200	3,944,500	4,390,400
Bitumen	72,477	93,879	114,300	111,300	120,600	109,100
India—						
Motor and other spirits	53,100	47,100	50,600	57,000	343,000	443,000
Kerosine	64,700	63,600	70,500	69,100	255,000	274,000
Gas and diesel oils	43,200	44,400	46,800	47,200	280,000	378,000
Fuel oil	18,600	23,200	17,000	23,400	387,000	547,000
Lubricating oils	23,300	16,000	15,900	15,200	16,000	16,000
Bitumen	} 40,200	} 35,200	} 39,700	{ 5,600	58,000	111,000
Other refined products					51,000	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. 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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Kuwait (c)—						
Motor spirit	14,400	19,400	33,500	144,600	46,000	47,000
Kerosine	5,600	8,200	10,400	47,900	17,000	19,000
Gas and diesel oils	180,800	210,000	273,200	307,800	290,000	280,000
Fuel oil	752,500	814,800	863,300	1,260,400	872,000	860,000
Bitumen	(a)	(a)	(a)	4,000	11,000	14,000
Pakistan—						
Motor spirit	36,580	49,800	56,400	62,600	63,700	65,000
Kerosine	6,670	8,300	8,900	10,000	10,200	16,000
Diesel oil	10,700	21,400	35,100	46,400	54,000	58,000
Fuel oil	108,300	86,500	101,300	92,700	92,000	106,000
Lubricating oil	1,300	17,000	2,200	3,800	5,000	4,000
Bitumen	(a)	(a)	9,100	9,800	10,000	18,000
Sarawak—						
Motor spirit (b)	429,067	474,935	523,770	530,194	560,400	598,800
Kerosine, power	252	312	303	295	—	—
Gas, diesel and fuel oils	1,505,536	1,612,462	1,722,783	1,767,247	1,840,300	1,850,600
Australia—						
Motor spirit	299,800	313,700	353,700	799,200	1,493,700	2,407,125
Kerosine	(a)	(a)	1,800	1,300	(a)	(a)
Gas oil	37,000	33,945	40,698	60,053	286,943	1,648,000
Diesel oil	115,000	108,075	123,928	328,772	656,320	3,045,000
Fuel oil	322,000	358,983	355,917	573,883	2,143,617	(a)
Lubricating oil	33,000	25,609	16,042	28,817	67,421	(a)
Bitumen	79,000	93,703	104,470	138,086	161,500	44,196
FOREIGN COUNTRIES						
Austria—						
Motor spirit	(a)	(a)	(a)	(a)	273,334	215,943
Kerosene	(a)	(a)	(a)	(a)	171,051	137,864
Gas oil	(a)	(a)	(a)	(a)	571,143	522,850
Fuel oil	(a)	(a)	(a)	(a)	1,012,217	1,064,419
Lubricating oil	(a)	(a)	(a)	(a)	57,718	58,391
Belgium—						
Motor spirit	159,905	527,232	679,468	822,000	949,000	1,160,000
Kerosine	11,754	61,320	81,804	133,400	164,100	204,500
Gas oil	189,434	469,219	778,874	886,000	1,146,000	1,382,000
Fuel oil	388,429	1,270,132	1,318,411	1,488,000	1,689,000	1,937,700
Lubricating oil	4,667	4,237	4,902	9,400	16,600	23,600
Asphalt, etc.	79,880	83,753	86,829	89,800	148,000	224,000
Denmark—						
Gas and diesel oil	6,097	6,462	6,055	7,915	7,791	6,473
Lubricating oil	12,078	8,010	8,404	8,288	(a)	(a)
Grease	1,384	981	1,307	1,077	434	(a)
Asphalt	19,697	20,202	19,694	20,741	23,652	17,881
France—						
Motor spirit	3,796,000	4,508,000	5,064,800	5,171,000	5,029,000	5,376,000
Kerosine and white spirit	321,000	403,900	389,500	470,000	445,000	407,000
Gas and diesel oil	2,767,000	3,206,000	3,020,500	2,949,100	3,477,900	3,388,400
Fuel oil	8,918,000	10,378,000	10,586,400	10,521,000	11,016,000	12,170,000
Lubricating oil	340,000	341,300	379,400	479,900	531,000	584,000
Road oil and coke	925,000	1,046,000	835,000	985,000	} d.2,025,000 d 2,258,000	
Paraffin wax	10,358	11,400	16,200	20,000		

(a) Information not available.

(c) British Protected State.

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

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

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

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal) —						
Aviation spirit	64,846	87,426	142,001	197,200	241,576	309,979
Motor spirit	1,495,150	1,692,447	2,035,348	2,546,373	2,930,082	3,083,268
Kerosine	50,547	48,193	51,071	230,929	164,974	208,568
Diesel oil	1,186,496	1,402,142	1,764,218	2,281,487	2,891,967	3,177,783
Fuel oil	750,444	830,969	942,538	1,580,380	1,883,726	2,325,228
Lubricating oil	366,931	378,627	385,355	332,740	356,883	381,324
Grease	4,118	5,170	6,534	7,491	9,678	9,091
Paraffin wax	25,751	23,686	22,347	35,197	42,223	45,530
Coke	37,066	52,312	77,515	187,048	200,181	227,716
Bitumen	407,108	452,741	466,305	614,714	654,962	699,159
Hungary—						
Motor spirit	180,795	188,708	179,661	177,169	184,527	148,753
Kerosine	76,603	91,047	77,878	79,744	64,379	62,430
Gas oil	186,003	229,849	301,061	337,862	349,909	328,260
Italy—						
Motor spirit	1,337,226	1,740,160	2,245,020	2,764,368	2,675,339	3,049,293
White spirit	12,620	14,428	20,271	20,433	26,428	41,741
Kerosine	462,164	606,800	807,124	1,014,700	1,096,675	1,117,165
Gas oil	1,388,694	1,784,318	2,441,056	3,113,652	3,529,642	3,882,080
Fuel oil and diesel oil	3,268,603	4,424,808	5,707,365	7,130,317	7,651,255	8,373,727
Lubricating oil	96,693	64,555	69,734	129,389	145,598	164,901
Coke	4,527	2,180	120	148	120	169
Bitumen	199,239	283,196	307,440	394,558	384,608	432,499
Other products	43,656	103,980	168,018	236,033	308,587	366,277
Netherlands—						
Motor spirit	1,615,100	1,935,000	2,129,000	2,319,000	2,340,000	2,327,000
Kerosine	189,000	236,000	496,000	626,000	720,000	729,000
Gas and diesel oil	1,409,000	1,552,000	1,831,000	2,712,000	2,629,000	2,648,000
Residual fuel oil	2,712,000	2,817,000	3,516,000	4,492,000	5,219,000	6,558,000
Lubricating oil	34,000	27,600	44,000	55,000	67,000	140,000
Asphalt	241,000	258,000	192,000	230,000	304,000	264,000
Portugal—						
Motor spirit	68,400	84,900	19,600	159,600	212,200	219,000
Kerosine	62,100	67,100	15,700	107,200	165,200	151,000
Gas and diesel oil	80,100	115,300	25,600	151,300	143,300	208,000
Fuel oil	141,200	197,200	47,000	292,500	315,300	328,000
Spain—						
Motor spirit	86,089	197,089	311,072	386,240	378,224	443,000
Kerosine	18,635	17,485	35,466	40,579	50,444	49,000
Gas oil	88,571	222,427	272,553	304,350	408,745	444,000
Fuel oil	156,770	408,079	762,743	879,977	981,259	1,053,000
Lubricating oil	(a)	(a)	(a)	(a)	40,115	(a)
Paraffin wax	107	95	108	106	48	(a)
Sweden—						
Motor spirit	147,579	190,988	207,632	221,601	221,537	185,300
White spirit	3,528	3,967	3,858	8,223	(a)	(a)
Kerosine	44,386	61,046	109,310	115,866	120,850	178,114
Fuel oil, etc.	770,062	982,570	1,206,382	1,392,597	1,522,443	1,424,497
Lubricating oil	21,926	16,248	16,358	20,703	24,159	23,157
Asphalt	74,520	79,587	96,301	116,711	128,087	142,227
Yugoslavia—						
Motor spirit	95,040	97,848	109,545	117,615	131,688	169,024
White spirit	2,800	4,626	5,351	5,313	7,857	6,325
Kerosine	53,740	32,663	41,024	59,835	71,422	81,138
Gas oil	118,155	120,555	131,967	158,437	171,125	199,074
Fuel oil	199,800	184,000	190,000	(a)	(a)	(a)
Lubricating oil	17,184	21,281	29,178	29,018	34,510	31,059
Bitumen	19,700	21,700	54,100	(a)	(a)	(a)
Other products	6,900	14,800	18,700	(a)	(a)	(a)

(a) Information not available.

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

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Canary Islands—						
Motor spirit	133,000	206,938	194,272	202,757	201,546	269,287
Kerosine	35,000	60,282	71,483	77,813	69,203	72,510
Gas oil	117,829	127,713	141,391	148,264	117,763	238,946
Diesel oil	135,860	181,709	146,834	144,106	164,988	142,860
Fuel oil	398,235	446,777	462,016	546,161	595,580	743,647
Lubricating oil	2,120	(a)	8,041	9,185	12,275	(a)
Asphalt	44,727	46,477	55,000	75,664	64,578	(a)
Egypt—						
Motor spirit	205,122	185,578	184,931	222,425	254,720	258,000
Kerosine	207,048	215,953	204,173	216,092	270,715	241,000
Gas oil	39,949	51,889	47,001	73,573	156,877	(a)
Diesel oil	73,115	76,378	67,989	144,335	196,713	(a)
Fuel oil	1,574,585	1,685,269	1,663,892	1,482,118	1,538,647	1,586,000
Asphalt	88,451	50,500	37,612	49,195	85,138	(a)
Morocco (Southern)—						
Motor spirit	7,397	13,767	9,549	25,345	29,930	31,839
Kerosine	7,743	7,906	12,172	11,852	12,331	11,597
Gas and fuel oils	58,883	75,776	77,224	24,365	39,462	31,918
Cuba—						
Motor spirit	93,800	97,100	109,600	105,300	122,800	139,000
Kerosine	71,300	80,600	84,800	89,000	112,300	117,000
Gas oil and diesel oil	69,100	92,800	105,400	122,000	135,300	137,000
Fuel oil	73,500	55,100	49,900	59,400	66,600	84,000
Lubricating oil	2,000	1,800	3,400	3,600	11,100	11,000
Mexico—						
Motor spirit	1,473,478	1,670,441	1,810,290	1,789,864	1,859,803	2,096,000
Kerosine	697,679	778,705	871,050	895,348	926,268	1,001,000
Gas oil	766,833	901,963	825,426	828,142	751,585	805,000
Fuel oil	4,346,142	4,620,496	5,298,532	6,192,567	6,531,998	6,190,000
Lubricating oil	35,529	33,614	33,571	48,253	154,735	110,000
Paraffin wax	10,500	10,700	8,428	9,104	32,629	(a)
Asphalt	74,100	66,800	90,700	84,013	96,512	(a)
Netherlands West Indies						
<i>(b)—</i>						
Aviation spirit	2,651,057	1,862,718	} 5,321,427	{ 1,088,723	1,159,251	1,339,431
Motor spirit	2,837,473	3,381,874			{ 4,164,594	3,245,143	2,623,820
Kerosine	1,668,849	2,107,834	2,205,970	2,625,857	2,755,976	2,962,884
Gas oil	1,531,390	1,657,804	1,719,253	2,556,367	2,822,938	2,556,587
Diesel oil	3,078,217	2,995,490	3,652,925	2,193,609	2,313,976	2,612,650
Fuel oil	30,272,978	29,910,999	24,435,000	21,331,257	23,154,116	24,999,904
Lubricating oil	227,742	429,572	505,412	548,009	635,615	688,656
Asphalt	249,250	531,393	498,729	582,145	702,881	617,596
United States—						
Aviation spirit	8,019,000	8,928,000	9,979,000	10,541,000	11,490,000	12,313,000
Motor spirit	122,635,000	125,963,000	135,015,000	133,853,000	145,800,000	151,164,000
Kerosine	17,276,000	16,389,000	15,680,000	15,566,000	14,908,000	15,716,000
Jet fuels	(a)	2,664,000	4,550,000	5,925,000	7,210,000	8,456,000
Distillate fuel oil	64,559,000	70,274,000	71,657,000	73,579,000	81,757,000	90,324,000
Residual fuel oil	68,451,000	66,193,000	65,622,000	60,777,000	61,298,000	62,227,000
Lubricating oil	8,608,000	7,784,000	7,356,000	7,454,000	7,817,000	8,290,000
Paraffin wax	601,750	541,380	622,250	661,500	661,600	670,900
Coke	3,388,750	3,236,250	3,858,400	4,336,400	5,060,200	5,552,700
Asphalt	10,763,300	11,414,300	11,754,700	12,161,000	13,494,000	14,714,000
Road oil	970,500	1,113,300	1,049,000	1,147,500	1,349,400	1,277,000
Argentina—						
Aviation spirit	8,300	9,200	8,600	6,400	} 1,613,400	{ 31,135
Motor spirit	1,387,800	1,474,000	1,476,000	1,493,000			{ 1,537,063
Kerosine	661,700	738,000	818,000	806,000	818,400	909,455
Gas oil	253,100	322,000	397,000	393,000	} 1,139,800	{ 406,591
Diesel oil	537,900	554,000	604,000	590,000			{ 936,529
Fuel oil	2,413,800	2,653,000	3,044,000	3,356,000	3,514,600	3,436,218
Lubricating oil	98,000	108,000	86,000	103,000	96,600	138,956

(a) Information not available.

(b) Exports.

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

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Bolivia—						
Motor spirit	28,100	28,600	30,211	103,568	105,105	133,207
Kerosine	7,900	9,400	7,517	19,837	18,544	33,651
Diesel oil	5,200	6,500	8,479	30,327	31,362	49,636
Fuel oil	10,500	10,100	9,528	80,488	108,876	134,271
Brazil—						
Motor spirit	31,798	34,352	42,998	47,378	105,178	133,082
Kerosine	2,994	3,984	376	274	469	17
Diesel oil	8,087	11,294	5,412	5,065	14,884	11,678
Fuel oil	27,780	42,700	44,252	58,324	102,026	134,114
Lubricating oil ..	(a)	600	(a)	(a)	(a)	(a)
Colombia—						
Aviation spirit	9,691	406	457	5,413	29,052	34,721
Motor spirit	227,941	254,369	251,743	315,833	542,513	552,373
Other spirit	(a)	8,600	9,000	8,700	10,000	10,900
Kerosine	46,080	50,775	55,382	53,761	124,026	144,825
do. Power	6,605	15,655	16,097	20,316	19,659	11,184
Diesel oil	66,172	88,427	105,130	135,479	199,048	223,958
Fuel oil	932,060	436,000	1,149,113	914,169	805,357	649,292
Lubricating oil ..	7,438	9,556	8,561	8,587	9,109	8,219
Coke	(a)	(a)	(a)	11,538	33,325	44,611
Asphalt	21,735	24,969	32,009	47,061	54,107	65,599
Ecuador—						
Motor spirit	65,510	66,970	67,460	74,895	76,174	78,289
Kerosine	16,750	18,106	21,040	23,484	25,000	27,338
Gas and diesel oils ..	32,340	39,740	45,130	46,708	46,376	48,809
Residual fuel oil ..	108,300	107,351	86,950	104,625	112,938	109,500
Peru—						
Motor spirit	491,126	488,396	481,120	538,923	545,410	698,000
Kerosine	189,627	206,539	239,148	288,420	322,764	351,000
Diesel oil	214,702	217,768	223,791	351,394	540,830	719,000
Fuel oil	845,939	856,604	846,489	682,471	456,866	342,000
Lubricating oil ..	9,932	10,124	7,707	9,808	10,134	13,000
Coke	15	11	164	243	529	(a)
Asphalt	21,575	29,104	35,334	27,434	29,649	(a)
Uruguay—						
Motor spirit	172,686	193,164	225,413	222,756	252,861	232,379
Kerosine	118,915	123,159	134,581	146,086	109,450	144,016
Gas oil	55,140	76,716	88,702	100,508	115,861	81,793
Diesel oil	43,950	51,735	52,834	53,336	47,088	37,396
Fuel oil	435,807	522,380	586,846	647,726	560,532	515,011
Venezuela—						
Motor spirit	2,119,639	2,218,105	2,572,199	2,543,974	2,974,373	3,223,827
Kerosine	448,032	539,283	594,874	708,295	959,911	1,081,507
Gas oil	890,443	909,506	812,041	1,366,145	2,177,662	} 6,174,219
Diesel oil	2,471,689	2,810,850	3,148,167	3,018,100	3,611,511	
Fuel oil	9,125,781	9,848,905	12,489,297	13,339,663	15,115,892	18,198,576
Lubricating oil ..	(a)	124,710	159,394	140,000	141,356	167,000
Asphalt	147,000	164,000	139,000	102,000	157,000	295,000
Burma—						
Motor spirit	22,378	18,110	26,077	34,121	36,282	37,428
Kerosine	18,000	21,374	22,908	29,266	30,601	34,693
Diesel oil	22,451	23,541	27,902	33,522	36,855	27,642
Fuel oil	31,313	29,044	35,038	40,187	40,261	42,783
Paraffin wax	(a)	(a)	(a)	6,266	8,406	8,486
Formosa—						
Motor spirit	56,845	57,926	78,573	88,315	121,670	117,353
Kerosine	25,503	32,131	28,050	32,344	30,617	32,139
Jet fuel	(a)	(a)	(a)	(a)	60,354	(a)
Diesel oil	49,432	38,778	37,994	71,793	93,561	93,219
Fuel oil	121,701	104,121	120,948	168,805	274,280	306,594
Asphalt	3,123	11,356	16,696	17,518	11,853	(a)

(a) Information not available.

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

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Indonesia—						
Aviation spirit	228,245	369,318	378,474	293,245	286,638	267,588
Motor spirit	2,139,537	2,189,616	2,180,468	2,133,418	2,244,876	2,134,279
White spirit	(a)	(a)	(a)	(a)	(a)	76,693
Kerosine	1,015,120	1,123,327	1,236,334	1,419,838	1,612,315	1,552,148
Fuel oil, gas oil and diesel oil	4,623,965	5,166,777	5,609,913	5,749,078	5,905,991	6,245,847
Lubricating oil	(a)	(a)	(a)	(a)	(a)	92,655
Paraffin wax	90,599	99,753	110,019	116,970	120,020	103,899
Asphalt	27,033	28,813	29,657	33,868	33,570	34,844
Iran—						
Aviation spirit	} b 2,169,900	—	—	(a)	{ 43,000	300,000
Motor spirit						
Kerosine	} b 1,240,300	—	—	(a)	{ 1,186,000	1,702,000
Gas and diesel oils						
Fuel oil	} b 8,116,900	—	—	(a)	{ 985,000	1,808,000
Lubricating oil						
Bitumen	} b 112,800	—	—	(a)	{ 3,303,000	4,511,000
Other products						
Iraq—						
Motor spirit	78,900	81,100	81,400	84,700	138,501	37,200
Kerosine	86,500	89,100	99,300	107,400	157,640	38,800
Gas oil	} 257,600	{ 38,400	42,400	47,700	88,180	15,700
Diesel and fuel oils						
Israel—						
Motor spirit	107,100	146,400	149,600	164,200	82,000	106,000
Kerosine	96,600	106,800	90,800	135,300	70,000	66,000
Gas and diesel oils	118,600	125,400	149,800	175,200	100,000	88,000
Fuel oil	366,500	376,100	343,100	349,800	200,000	178,000
Bitumen	24,000	8,900	16,000	21,500	22,000	20,000
Japan—						
Motor spirit	574,927	1,001,504	1,231,220	1,448,661	1,775,295	2,189,277
Kerosine (c)	99,416	88,944	287,017	411,236	473,683	728,797
Gas oil	259,757	358,380	420,474	561,088	623,726	750,077
Diesel oil	368,713	496,831	405,277	523,383	540,111	568,787
Fuel oil	848,115	1,606,150	2,220,943	2,715,383	3,164,446	4,784,954
Lubricating oils	270,886	204,672	278,839	300,240	321,298	394,058
Paraffin wax	8,350	11,325	18,207	19,635	23,872	34,657
Pitch	2,223	6,692	8,463	9,562	4,345	—
Asphalt	107,516	95,290	132,047	159,361	176,837	204,756
Lebanon—						
Motor spirit	115,655	112,212	109,756	129,342	155,884	176,178
Kerosine	61,862	64,961	62,460	48,707	81,415	93,356
Gas oil	98,691	90,982	86,841	82,253	165,064	205,207
Diesel oil	—	—	—	—	12,676	4,580
Fuel oil	262,042	116,559	218,830	233,514	429,545	448,205
Saudi Arabia—						
Motor spirit	1,393,748	1,407,409	1,523,734	1,457,063	1,272,883	1,247,673
Kerosine (c)	595,041	635,883	965,253	1,080,510	977,269	770,152
Diesel oil	3,334,787	2,191,605	2,347,067	2,411,195	2,075,023	2,058,911
Fuel oil	3,557,106	3,757,553	4,815,577	5,277,424	5,162,720	5,163,093
Asphalt	27,970	32,204	42,547	43,856	33,372	38,957

(a) Information not available.

(c) Including jet fuel.

(b) Anglo-Iranian Oil Co. only.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Crude petroleum ..	—	—	—	24,312	61,256	61,954
Aviation spirit (bunkers) (c) ..	73,577	81,452	91,208	96,881	111,863	128,866
Aviation spirit ..	115,525	356,601	1,009,595	1,457,555	272,596	282,915
Aviation turbine fuel ..					106,163	205,505
Motor spirit ..					913,649	959,549
Other spirit ..	38,667	19,424	59,326	31,110	16,145	16,591
Kerosine, power do. other ..	38,343	109,572	150,534	218,221	45,465	42,449
Gas oil ..	147,700	356,563	942,630	940,957	899,617	1,509,468
Diesel oil ..	309,007	561,193	546,503	434,023	399,545	461,140
Fuel oil ..	2,354,980	3,709,988	4,315,616	4,129,012	2,843,214	3,229,733
do. (bunkers) (c) ..	2,964,318	3,451,551	3,633,975	3,867,479	4,125,987	4,492,791
Lubricating oil ..	175,500	192,546	186,161	248,014	342,699	410,022
Greases ..	17,071	15,404	13,580	17,492	(a)	(a)
Other refined oils ..	12,262	9,592	35,820	86,938	1,820	(a)
Other heavy oils ..					7,275	9,306
Mineral jelly ..	326	257	207	221	(a)	(a)
Paraffin wax ..	709	380	2,359	247	1,293	3,570
Malta (bunkers) (b)—						
Aviation spirit ..	3,852	27,857	29,489	25,847	30,258	35,061
Aviation turbine fuel ..	3,648	7,708	7,640	12,693	12,792	38,503
Gas oil ..	2,138	2,427	3,219	4,139	2,354	2,605
Fuel oil ..	9,559	10,916	19,346	11,262	2,407	1,838
Ghana (bunkers) (b)—						
Aviation spirit ..	2,108	2,194	1,399	3,093	2,648	4,649
Gas oil ..	1,203	(d) 668	(d) 376	1,472	209	383
Fuel oil ..	28,059	(d) 34,234	(d) 22,159	18,046	16,635	16,082
Kenya (bunkers) (b)—						
Aviation spirit ..	7,129	6,422	258	10	—	12,316
Motor spirit ..	19	28	13	16	5	3
Gas, diesel and fuel oils ..	116,893	136,740	115,813	111,659	102,985	139,542
Lubricating oil ..	289	297	304	264	359	427
Mauritius (bunkers)(b)—						
Aviation spirit ..	501	615	917	1,160	980	986
Fuel oils ..	4,642	4,466	8,413	5,266	7,506	9,988
Nigeria (bunkers) (b)—						
Diesel oil ..	1,064	35	14	94	134	10
Gas oil ..	1,310	2,375	1,734	1,206	1,256	977
Fuel oil ..	8,594	6,782	6,753	6,141	11,115	7,537
Sierra Leone (bunkers) (b)—						
Aviation spirit ..	—	—	—	—	—	359
Fuel and diesel oils ..	66	5	6	11	46	57,865
Tanganyika (bunkers) (b)—						
Aviation spirit ..	503	763	22	—	—	1,240
Gas, diesel and fuel oils ..	641	1,371	1,507	661	58	84
Uganda (bunkers) (b)—						
Aviation spirit ..	724	1,604	346	—	—	2,788

*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.

(d) Revised.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Union of South Africa—						
Motor spirit	—	—	1	9,151	(a)	(a)
do. (bunkers) (b) ..	4,830	5,184	5,419	7,403	(a)	(a)
Diescal oil	—	—	—	15,653	(a)	(a)
do. (bunkers)	—	—	—	17,626	(a)	(a)
do. (bunkers) (b) ..	141,738	96,828	108,193	92,615	(a)	(a)
Fuel oil	—	—	—	58,687	(a)	(a)
do. (bunkers)	—	—	—	67,039	(a)	(a)
do. (bunkers) (b) ..	388,118	257,270	246,493	220,603	(e) 210,452	(e) 259,709
Asphalt and bitumen ..	2,337	1,938	1,813	4,482	18,952	30,605
Canada—						
Crude petroleum	43,263	180,311	317,382	296,829	1,877,718	5,431,403
Motor spirit	698	105,190	546	50,384	41,750	88,635
Kerosine, etc.	22	10	7	13	21	116,053
Fuel oil	897	551	22,975	6,471	75,048	127,214
do. (bunkers)	956,111	1,001,187	1,151,597	966,169	(a)	(a)
Diesel oil (bunkers) ..	207,396	198,284	193,350	188,078	(a)	(a)
Lubricating oil	425	352	103	167	229	485
Other oils	277	50	35	—	91	41
Mir al wax	4,732	911	235	625	81	105
Petr eum coke	51,462	50,440	33,380	40,759	53,773	31,369
Natural gas (million cu.ft.)	—	8,145	9,629	7,148	11,357	10,828
British Guiana (b)—						
Aviation spirit (bunkers)	371	351	353	269	339	347
British West Indies—						
Bermuda (bunkers)						
(b) (a)—						
Aviation spirit	23,768	30,394	33,675	44,734	47,642	65,273
Motor spirit	—	—	44	603	629	—
Aviation turbine fuel ..	(a)	(a)	(a)	1,791	946	1,198
Kerosine	—	—	450	547	405	—
Fuel oil	10,082	13,448	10,743	4,991	33,440	31,111
Diesel oil	742	410	534	3,085	2,013	2,954
Lubricating oil	3	7	468	563	571	2
Jamaica (bunkers) (b)—						
Aviation spirit	(a)	(a)	(a)	2,164	9,786	5,083
Gas oil (c)	1,307	35,590	27,025	1,957	4,755	1,077
Diesel oil (c)	6,238	23,636	41,096	13,868	—	14,568
Fuel oil (c)	52,658	139,811	203,509	68,531	136,846	56,163
Trinidad and Tobago—						
Crude petroleum	268,364	279,056	324,325	426,563	399,878	517,228
Aviation spirit	185,553	196,216	183,915	180,403	201,471	271,304
do. (bunkers)	10,336	11,488	7,931	8,223	7,507	8,678
Motor spirit	562,762	554,060	720,760	758,568	766,236	943,021
do. (bunkers)	409	15,525	20,077	105	6,984	268
Kerosine—Power	313,745	481,789	422,559	381,275	286,479	352,654
do. (bunkers)	18	4,319	7,801	1,550	3,154	13
Kerosine—other	71,369	107,494	74,399	60,818	87,661	74,147
do. (bunkers)	107	98	1,176	296	248	398
Gas oil	369,501	323,671	373,123	274,904	463,273	486,313
do. (bunkers)	30,384	41,786	49,588	56,865	53,390	150,367
Diesel oil	110,217	95,333	25,554	165,531	337,294	408,908
do. (bunkers)	147,816	210,518	263,477	241,708	221,394	599,807
Fuel oil	1,417,279	1,145,397	1,424,718	1,454,165	1,613,586	3,085,198
do. (bunkers)	1,192,228	1,281,811	1,082,402	892,934	809,936	1,584,984
Lubricating oil	102	110	136	158	99	164
Road oil	22,739	14,604	22,281	17,798	22,404	21,443
Asphalt—						
Crude	38	—	1	—	27	—
Dried	45,557	46,120	42,510	51,035	49,722	43,500
Asphalt cement	39,473	58,440	33,805	22,587	13,107	10,759
Bituminous asphalt ..	73,516	109,901	97,796	152,524	103,508	80,649

(a) Information not available.

(b) Foreign produce. See imports.

(c) Figures for 1951 to 1953 relate to the quantities imported for bunkers. The amounts actually shipped are not available.

(d) Including bunkers for military forces.

(e) Including diesel oil bunkers

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Falkland Islands— (bunkers) (f)—						
Fuel oil	17,772	31,409	21,880	11,550	11,693	8,737
Aden—						
Aviation and motor spirits	—	—	—	—	601,085	680,815
Kerosine	—	—	—	—	335,087	309,285
Gas diesel, fuel oils	—	—	—	—	960,871	1,550,686
Fuel oil (bunkers) (f)	2,243,935	2,622,960	2,743,170	2,900,551	^h 3,090,063	^h 2,514,938
Bahrain Islands (e)—						
Aviation spirit	24,795	} 2,200,215	2,014,980	{ 24,000	15,700	20,400
Motor spirit	1,963,355		2,014,980		{ 2,157,600	1,924,600	1,500,700
Aviation turbine fuel	(a)	(a)	(a)	} 1,028,600	259,600	386,400
Kerosine	811,855	1,074,630	771,990		{ 742,800	685,500
Process oil	—	(a)	(a)	166,800	278,900	208,100
Diesel oil	1,132,500	1,148,325	1,324,640	1,576,300	1,683,900	1,612,600
do. (bunkers)	126,700	153,985	200,070	201,900	196,200	159,400
Fuel oil	3,268,900	3,438,750	3,640,770	3,742,200	3,352,200	3,692,300
do. (bunkers)	554,800	590,245	652,815	639,000	621,800	599,100
Asphalt	66,530	(a)	(a)	107,100	124,300	103,300
British Borneo—						
Brunei—						
Crude petroleum (b)	4,895,640	4,990,194	4,799,473	4,704,488	5,108,970	5,526,505
Natural gas (million cubic feet)	1,745	1,670	2,059	2,354	2,617	3,245
Sarawak—						
Crude petroleum (c)	3,206,152	3,077,254	2,789,506	2,892,768	3,182,883	3,439,401
Motor spirit (d)	234,642	283,262	307,591	33,168	133,258	288,985
Kerosine	—	—	152	194	64	37
Gas oil	5,790	6,277	6,975	8,507	55	—
Diesel oil	} 1,420,734	1,475,306	1,582,261	{ 1,171,888	1,228,285	1,057,708
Fuel oil					421,668	452,539	636,487
do. (bunkers) (g)	80,280	109,843	120,904	134,358	127,787	148,732
Ceylon (bunkers) (f)—						
Aviation spirit	—	3,040	3,030	3,618	3,998	3,614
Gas oil	2,231	1,320	1,295	2,153	14,698	20,219
Diesel oil	71,145	63,485	72,845	68,922	60,938	79,572
Fuel oil	513,746	477,744	413,133	378,580	393,971	472,629
Cyprus (bunkers) (f)—						
Aviation spirit	3,686	3,680	5,042	6,477	5,492	5,696
Hong Kong (re-exports)—						
Motor spirit	15,283	3,271	1,590	955	1,195	1,691
Kerosine	7,556	3,023	1,587	2,268	2,661	3,139
Diesel oil and gas oil	} 13,213	{ 5,653	5,133	4,154	5,546	6,192
Fuel oil .. .. .							192	30	75	20	134
Lubricating oil	(a)	479	484	434	144	6,534
Greases	(a)	40	33	9	7	2
Petroleum jelly	627	40	120	74	19	114
Paraffin wax	2,559	728	62	38	43	138
Asphalt and bitumen	(a)	381	1,079	21	220	616
India—						
Aviation spirit (bunkers)						
Domestic produce	2,941	852	—	8	45	—
Foreign produce	6,117	13,779	20,852	25,849	27,235	32,062

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES (cont.)						
<i>India—(cont.)</i>						
Motor spirit	—	—	—	—	58,862	21,230
Other spirit	288	74	35	81	90,896	61,540
Fuel oil (bunkers)						
Domestic produce	—	—	—	—	4,388	348,265
Foreign produce	32,790	80,594	189,173	237,296	280,420	693,699
Paraffin wax	28,693	21,222	23,121	25,376	24,627	27,450
<i>Kuwait (e)—</i>						
Crude petroleum	26,623,054	35,771,961	41,034,474	45,483,146	52,258,203	52,890,137
Export distillate	177,990	191,962	222,726	182,456	180,817	101,168
Diesel oil	30,495	3,058	—	11,171	9,962	3,723
do. (bunkers)	}	181,361	246,186	228,104	258,096	253,367
do. do. (d) .. .. .							(a)	(a)	5,976	10,939	57,907
Fuel oil	}	72,558	9,038	—	—	—
do. (bunkers) .. .. .							167,892	717,427	837,596	857,043	854,901	853,200
do. do. (d)	(a)	(a)	107,001	149,011	259,422	490,426
<i>Malaya (including re-exports)—</i>						
Crude petroleum	(f)	(f)	(f)	(f)	(f)	707,202
Aviation spirit	126,726	128,910	172,335	237,437	209,711	221,301
do. do. (bunkers)	12,699	11,939	11,913	8,456	9,570	12,170
Motor spirit	604,438	735,916	883,697	904,500	853,652	899,912
White spirit	(a)	(a)	33,345	50,731	72,248	79,652
Aviation turbine fuel	(a)	(a)	2,063	149	556	67
Kerosine Power	126,859	139,555	88,746	97,426	59,083	70,314
do. Other	143,776	235,233	301,127	330,815	307,154	311,862
Gas oil	234,463	301,712	360,542	392,628	300,603	365,030
Diesel oil	304,692	443,777	314,419	300,834	333,940	348,272
Fuel oil	(c) 377,922	(c) 423,425	(c) 500,237	(c) 458,273	(c) 1,037,318	580,892
Fuel and diesel oil (bunkers)	900,256	1,298,228	1,438,648	1,679,575	1,761,913	2,025,148
Lubricating oil	4,655	4,097	4,740	5,877	6,165	5,851
Petroleum jelly	94	142	53	41	82	69
Grease	879	96	260	327	320	370
Paraffin wax	3,741	1,280	469	232	260	42
Asphalt and bitumen	1,154	5,959	8,670	10,168	3,998	132,392
<i>Qatar (e)—</i>						
Crude petroleum	2,266,460	3,199,360	3,902,595	4,595,710	5,262,366	5,664,119
<i>Australia (b)—</i>						
Aviation spirit (bunkers)	—	53	8	846	1,808	1,116
do. do. do. (d)	4,827	10,304	7,630	11,691	16,138	16,902
Motor spirit	1,776	441	1,500	1,175	43,887	124,873
Kerosine	290	236	1,120	621	562	23,485
Lubricating oil	926	1,507	1,778	1,383	1,055	3,701
Diesel and fuel oils	1,191	1,338	2,032	625	129,387	431,404
Fuel oil (bunkers) —						
Domestic produce	38,554	29,935	40,247	45,700	207,057	473,017
Foreign produce	431,590	432,110	387,083	376,788	336,446	74,207
<i>Fiji (bunkers) (d)—</i>						
Aviation spirit	3,355	3,739	5,862	5,809	10,313	9,008
Diesel oil	2,709	1,085	1,198	3,610	4,422	3,466
Fuel oil	627	725	—	619	77	598
<i>New Zealand (bunkers) (d)—</i>						
Aviation spirit	4,588	5,201	4,861	4,741	5,057	5,175
Diesel oil	10,577	16,454	15,127	13,939	9,658	16,319
Fuel oil	39,090	38,983	15,251	14,993	12,394	9,268
Lubricating oil	623	836	750	761	787	1,053

(a) Information not available.

(c) Includes, if any, crude petroleum.

(e) British Protected State.

(b) Years ended June 30 of that stated.

(d) Foreign produce. See imports.

(f) Included, if any, with fuel oil

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
Irish Republic (bunkers) (c) (e)—						
Aviation spirit	3,669	3,024	4,115	3,017	2,597	3,358
Fuel oils	19,066	35,508	32,152	31,358	46,573	50,308
FOREIGN COUNTRIES						
Austria—						
Kerosine	—	—	—	—	14,821	37,299
Gas oil	2,669	14,053	61,424	92,137	121,736	322,500
Fuel oil	16,703	13,941	12,168	2,036	—	2,507
Lubricating oil, etc. .. .	3,249	330	207	34	1,982	1,530
Belgium-Luxemburg						
E.U.—						
Crude petroleum	16,275	6,697	3	2	31,309	93,142
Motor spirit	31,017	262,529	279,186	186,242	306,447	392,538
Kerosine	1,340	26,529	40,344	61,572	104,293	123,015
Gas oil	26,475	261,034	245,266	267,662	303,903	512,960
do. (bunkers) (b) .. .	23,388	57,093	71,534	(d)	(d)	(d)
Fuel oil, etc.	121,671	806,525	836,790	1,000,813	965,321	1,094,607
do. (bunkers) (b) .. .	416,856	407,600	375,417	425,196	557,450	728,087
Lubricating oil	62,299	49,131	50,175	65,940	83,772	94,181
do. (bunkers) (b) .. .	3,624	3,723	3,651	4,218	4,740	5,961
Other heavy oils	128	559	192	183	4,161	85
Petroleum jelly	229	95	196	281	413	519
Paraffin wax	83	28	18	81	26	265
Ozokerite and ceresin .. .	135	20	10	32	58	68
Petroleum coke	2,008	—	—	9	2	3
Natural asphalt	347	495	335	524	723	643
Pitch	17,719	24,251	20,186	22,752	45,253	66,180
Denmark (bunkers)—						
Gas oil					39,554	32,669
Diesel oil	(a)	(a)	(a)	193,772	84,106	84,021
Fuel oil					125,328	112,528
France—						
Crude petroleum	7,361	16,103	49	3	—	2
Aviation spirit	337	674	1,369	1,239	364	10,222
Motor spirit	743,582	1,444,847	1,527,744	1,443,407	1,236,586	1,180,571
White spirit	29,415	31,991	5,155	7,337	5,514	4,089
Kerosine	135,654	291,309	263,768	396,966	433,897	411,121
Gas oil	1,391,275	1,681,587	1,195,427	1,240,730	1,602,954	1,606,991
do. (bunkers)—						
Domestic produce	212,280	235,993	243,207	259,003	324,867	(a)
Foreign produce	6,534	4,780	4,676	4,289	3,369	(a)
Fuel oil	1,851,178	2,690,297	3,425,431	2,337,678	1,759,040	1,865,765
do. (bunkers)—						
Domestic produce	1,462,850	1,742,193	1,640,843	1,531,187	1,736,721	(a)
Foreign produce	129,562	158,651	32,910	144,898	154,736	(a)
Lubricating oil	32,362	30,323	71,944	102,534	156,740	120,594
do. (bunkers)—						
Domestic produce	12,388	16,869	17,169	17,943	21,004	(a)
Foreign produce	6,366	4,727	3,988	3,324	3,297	(a)
Petroleum jelly	55	38	29	43	47	31
Paraffin wax	957	1,245	1,772	6,480	9,212	7,671
Ozokerite, ceresin, etc. .. .	75	53	185	732	162	80
Petroleum coke	1,239	26	—	28	—	—
Asphalt and bitumen,						
natural	11,429	14,229	15,264	15,485	21,766	18,125
Mastic asphalt	8,915	13,134	9,670	10,910	6,440	4,448
Bitumen, etc.	166,147	154,204	187,283	229,649	194,203	115,547

(a) Information not available.

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

(c) In addition re-exports of aviation spirit, presumably to the "Shannon Free Airport", were as follows (long tons): 1951—36,014; 1952—43,236; 1953—49,695; 1954—58,524; 1955—81,695; 1956—87,408.

(d) Included with fuel oil.

(e) Foreign produce. See imports.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Aviation and motor						
spirits	} 79,116	130,697	{ 182,465	234,777	327,927	407,113
do. bunkers (f) ..							23,690	47,093	57,578	64,238
Kerosine	241	1,745	33,004	42,728	28,108	39,011
Gas oil	27	3,586	19,182	116,275	197,668	261,710
do. (bunkers) (f) ..	—	—	109,585	227,806	303,253	376,151
Fuel oil	18,744	53,743	79,748	78,843	164,675	275,401
do. (bunkers) (f) ..	76,589	84,532	233,809	510,511	736,297	932,319
Lubricating oil ..	6,706	59,942	118,998	33,947	57,369	54,044
do. bunkers (f) ..	(a)	(a)	3,563	6,369	8,118	9,152
Petroleum jelly ..	(g) 964	338	869	3,336	3,975	5,544
Paraffin wax	3,521	5,084	12,550	17,712	25,062	28,795
Ozokerite, etc. ..	1,365	408	539	436	248	138
Asphalt	904	1,455	1,090	1,281	1,320	1,888
Bitumen	(a)	21,681	37,958	34,913	33,475	30,478
Petroleum coke ..	(a)	8,523	12,129	30,902	32,053	41,978
Italy—						
Motor spirit	430,841	773,408	1,305,438	1,817,301	1,684,820	1,795,495
White spirit	1,777	1,264	2,798	5,238	7,994	32,887
Kerosine	174,601	311,958	450,250	608,105	446,116	432,584
Lubricating oil ..	735	5,326	6,607	70,187	72,703	132,309
Gas oil (d)	370,500	654,885	1,085,403	1,581,113	1,644,648	1,796,841
Fuel oil	309,878	943,271	1,421,631	1,583,414	1,139,080	679,609
do. (bunkers) (b) ..	61,692	126,374	764,082	764,324	745,870	735,000
Paraffin wax	—	33	405	1,819	1,670	2,259
Asphalt and bitumen	8,342	13,553	11,388	10,130	13,173	13,028
Pitch	9,760	27,459	28,743	68,785	60,237	72,349
Netherlands—						
Aviation spirit (bunkers)	28,820	19,052	17,947	23,343	22,105	27,044
Motor spirit	1,039,301	1,479,346	1,453,592	1,837,890	1,925,085	1,866,565
Kerosine	55,418	78,165	197,589	193,057	184,673	224,614
Gas oil	717,037	760,331	713,808	1,295,849	1,762,157	1,744,122
do. (bunkers) (c) ..	319,874	363,650	435,867	477,672	584,421	681,975
Fuel oil	1,219,354	1,368,174	1,805,404	2,710,258	3,162,437	3,858,197
do. (bunkers) (c) ..	908,138	908,209	854,041	1,032,748	1,566,116	1,830,248
Lubricating oil ..	62,985	56,165	64,968	157,419	161,941	178,566
Petroleum jelly ..	2,453	1,732	740	1,815	2,830	2,606
Paraffin wax	2,588	3,354	2,524	3,931	3,315	1,361
Ozokerite and ceresin	830	373	375	459	773	1,259
Asphalt, bitumen etc.	129,518	160,241	74,371	137,103	185,973	110,519
Natural asphalt ..	—	—	—	1	26	5
Petroleum coke ..	98	—	1,172	5,828	5,853	5,488
do. (bunkers) ..	3,576	—	—	—	—	—
Norway—						
Motor spirit	333	714	193	316	880	917
Kerosine	2	3	2	13	21	565
Fuel oil and solar oil	—	—	68	3,537	2,058	1,792
Lubricating oil ..	1,090	3,008	3,124	6,124	8,836	9,508
Portugal (e)—						
Motor spirit	307	19,235	1,772	79,841	90,867	86,326
Kerosine	58	574	128	16,460	14,619	13,773
Fuel oil	1,654	30,816	2,914	145,807	102,605	92,194
do. (bunkers) (b) ..	110	781	185	76	990	11,074
Lubricating oil, etc.	494	310	351	444	741	1,101
Other oils	10	18	7	1	—	1

(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.

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

(g) October to December only.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956		
FOREIGN COUNTRIES (cont.)								
Sweden—								
Motor spirit	236	1,442	1,296	5,127	51	33		
White spirit	399	27	12	9	285	115		
Kerosine	21	54	30	—	2,212	5		
Fuel oil and gas oil	9,895	2	19	7,337	259	7,322		
Lubricating oil	381	281	1,306	656	1,373	6,591		
Paraffin wax	13	286	101	13	36	20		
Petroleum jelly	10	—	3	1	5	1		
Ozokerite and ceresin	10	—	3	14	15	11		
Asphalt	117	24	162	32	14	26		
Pitch	11,956	6,416	11,990	14,973	13,210	17,385		
Switzerland—								
Motor spirit	3,093	590	114	276	251	32		
Lubricating oil and grease	69	102	163	143	97	70		
Petroleum jelly	36	10	—	8	6	8		
Asphalt and bitumen	3,091	2,362	2,126	4,360	4,968	4,029		
Paraffin wax and ceresin	8	5	10	9	9	2		
Yugoslavia—								
White spirit	1,344	2,313	2,031	1,442	1,701	1,774		
Gas oil	4,544	25,878	15	10,856	7,411	15,582		
Fuel oil	43,239	47,675	42,426	38,104	30,577	45,698		
Bitumen	1,279	(a)	(a)	(a)	(a)	(a)		
Algeria—								
Crude petroleum	6,557	25,360	75,861	69,638	63,151	20,854		
Motor spirit (b)	15,892	15,013	14,693	15,803	16,678	20,165		
Fuel oil	70	403	424	87	126	33		
Fuel oil and gas oil (b)	692,730	631,645	634,903	566,254	680,677	631,371		
Lubricating oil	202	275	8	9	20	31		
Road oil, etc.	1,215	812	169	—	3	5		
Canary Islands—								
Motor spirit	400,873	447,032	176,408	176,333	215,079	(a)		
Kerosine			48,261	39,776	46,184	(a)		
Diesel (e)			76,384	106,883	72,885	(a)		
do. (bunkers) (e)			735,278	763,322	188,990	(a)		
Fuel oil (e)			102,760	142,127	195,283	(a)		
do. (bunkers) (e)			d1,445,003	d 1,459,369	833,272	850,693	230,360	(a)
Lubricating oil			1,960	804	724	(a)		
Paraffin wax			175	1,122	1,047	(a)		
Asphalt	52,786	65,094	79,290	(a)				
Cape Verde Islands—								
Fuel oil (bunkers) (c)	349,499	356,379	457,797	690,849	440,514	433,702		
Ceuta (c)—								
Diesel oil	(d)380,081	(d) 365,053	1,070	1,084	2,715	(a)		
do. (bunkers)			169,555	345,969	498,912	(a)		
Fuel oil			2,453	—	—	(a)		
do. (bunkers)			73,832	—	—	(a)		
Egypt—								
Motor spirit	882	970	1,445	1,503	3,118	(a)		
Kerosine	520	26	—	55	537	(a)		
Fuel oil, etc.	995	246	293	358	6,111	(a)		
do. (bunkers for foreign ships)	302,436	207,865	128,106	128,064	127,867	(a)		
Lubricating oil	74	—	1	291	111	(a)		
Asphalt, etc.	29,085	10,695	7,923	8,379	11,184	(a)		
Morocco (Southern)—								
Crude petroleum	—	33,214	29,092	11,598	—	—		
Sudan—								
Aviation spirit (bunkers) (c)	6,762	9,695	10,195	11,221	13,417	(a)		

(a) Information not available.

(c) Foreign produce. See imports.

(e) Including foreign produce.

(b) Bunkers of foreign produce.

(d) Bunkers.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Tunis (bunkers)—						
Aviation spirit	3,369	(a)	4,258	4,053	1,894	3,201
Fuel oil	15,934	(a)	16	3	71	340
Mexico—						
Crude petroleum	1,024,152	1,769,355	525,990	658,889	748,801	827,438
Motor spirit	30,745	20,952	5,283	5,372	4,467	3,121
Kerosine	78,883	7,457	3,330	2,780	3,261	1,963
Fuel oil	1,183,979	298,192	1,636,669	2,560,283	3,042,433	2,724,602
do. (bunkers)	85,864	112,250	108,454	91,656	128,386	163,471
Gas oil	57,463	24,362	20,068	16,599	15,958	3,542
Lubricating oil	139	35	25	39	52	29
Netherlands West Indies—						
Crude petroleum	517,928	505,220	616,198	2,034,819	2,617,923	2,054,676
Aviation spirit	2,651,057	1,862,718	5,321,427	1,088,723	1,159,251	1,339,431
Motor spirit	2,837,473	3,381,874		4,155,857	3,245,143	2,623,820
White spirit	(a)	(a)	(a)	150,753	136,661	54,215
Kerosine	1,668,849	2,107,834	2,205,970	2,627,927	2,755,976	2,962,884
Gas oil	1,491,392	1,657,804	1,719,253	2,556,367	2,822,938	2,556,587
do. (bunkers)	39,998		3,652,925	2,193,609	2,313,976	2,612,650
Diesel oil	2,229,504	2,995,490	24,434,938	21,331,257	23,154,116	24,999,904
do. (bunkers)	848,713					
Fuel oil	27,766,626	29,910,999	505,412	548,009	635,615	688,656
do. (bunkers)	2,506,352	429,572	582,145	582,145	702,881	617,596
Lubricating oil	227,742	531,393	487,729	582,145	702,881	617,596
Asphalt	249,250	531,393	487,729	582,145	702,881	617,596
United States—						
Crude petroleum	3,918,282	3,661,381	2,737,377	1,862,864	1,571,294	3,907,402
Natural gasoline	188,303	188,665	108,765	68,054	14,883	22,886
Aviation spirit	1,149,964	1,447,539	1,441,302	1,846,413	1,748,153	1,618,717
Motor spirit	2,255,152	1,481,933	1,622,647	858,972	869,571	1,057,336
Other finished light products	164,110	184,012	154,930	150,886	179,825	129,455
Kerosine	763,270	907,091	819,514	509,269	317,818	366,013
Aviation turbine fuel	(a)	(a)	52,243	18,827	15,307	23,224
Gas oil and distillate fuel oil	2,787,503	4,380,243	4,155,631	3,063,548	3,041,712	4,454,748
Residual fuel oil	3,517,972	3,273,737	2,905,061	2,967,464	4,011,414	3,230,246
Fuel oil (bunkers)	9,305,000	9,522,000	9,945,000	(a)	(a)	(a)
Lubricating oil	2,288,350	2,107,217	1,684,172	1,990,168	1,879,850	2,412,643
Transformer oil	34,353	27,886	23,923	26,367	20,130	28,347
Greases	59,330	59,656	43,156	54,524	58,300	56,717
Paraffin wax	155,358	121,684	128,615	151,943	137,121	93,515
Petroleum jelly	49,746	26,047	32,710	39,236	44,143	41,075
Asphalt and bitumen, natural	22,248	17,791	18,315	26,929	29,217	27,539
Other asphalt, etc.	163,612	346,053	247,562	259,399	239,752	210,144
Petroleum coke	790,202	743,531	645,060	573,883	797,026	1,138,544
Liquefied petroleum gases	175,269	199,478	250,612	330,083	357,003	360,614
Natural gas (million cu. ft.)	24,163	27,456	28,322	28,726	32,025	35,214
Argentina—						
Bitumen (Grahamite)	(a)	747	955	1,207	1,627	1,214
Bolivia—						
Crude petroleum	—	—	739	10,001	58,583	68,054
Chile—						
Crude petroleum	93,760	107,407	147,875	125,000	—	(a)
Colombia—						
Crude petroleum	4,525,407	4,380,915	4,534,737	4,270,262	3,537,395	3,895,099
Fuel oil	—	—	—	32,053	148,083	167,085
Ecuador—						
Crude petroleum	135,000	113,700	168,915	175,889	184,521	(a)

(a) Information not available.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Peru—						
Crude petroleum ..	328,737	337,542	303,644	299,182	307,943	358,227
Natural gasoline ..	53,753	37,358	21,953	28,195	29,333	20,331
Aviation spirit ..	33,142	19,233	14,770	22,942	47,714	39,378
Motor spirit (c) ..	205,787	159,905	107,425	129,764	124,486	88,210
White spirit ..	2,153	502	688	2,405	2,279	642
Kerosine ..	46,108	36,647	36,386	65,666	93,454	96,860
do. Power ..	10,133	713	—	—	92	379
Gas oil (c) ..	77,108	60,007	52,711	110,569	252,513	315,712
Fuel oil and diesel oil ..	153,369	226,021	123,083	59,142	4,143	52,079
do. (bunkers) ..	61,815	68,888	49,846	43,287	23,675	24,268
Lubricating oil and grease ..	2,474	1,764	2,291	2,297	3,150	2,306
Asphalt ..	384	6	543	1,728	1,258	3,144
Uruguay (d)—						
Motor spirit ..	3,000	5,600	33,400	(a)	(a)	3,000
Kerosine ..	(a)	100	100	(a)	(a)	—
Gas oil and diesel oil ..	(a)	38,000	22,100	(a)	(a)	40,000
Fuel oil ..	240,000	172,000	179,000	(a)	(a)	225,000
Venezuela—						
Crude petroleum ..	70,912,764	75,042,078	68,649,905	74,440,279	85,526,000	97,078,000
Motor spirit ..	1,396,260	1,504,630	1,661,487	1,561,393	1,217,000	996,000
Kerosine ..	188,177	242,048	266,086	324,398	542,000	157,000
Gas oil ..	1,248,980	753,475	963,805	1,535,699	1,718,000	1,575,000
Diesel oil ..	1,037,183	1,748,326	1,574,141	1,378,675	2,840,000	3,295,000
Fuel oil ..	8,238,641	9,117,568	12,306,081	13,200,827	13,820,000	16,398,000
Lubricating oil ..	21,632	58,902	98,471	166,473	141,000	149,000
Asphalt ..	40,063	58,319	49,111	25,088	40,000	173,000
Indonesia—						
Crude petroleum ..	—	589,903	2,053,444	2,266,487	2,980,056	4,341,725
Motor spirit ..	1,934,712	1,974,055	1,958,757	1,765,941	1,704,081	1,485,427
White spirit ..	52,811	50,677	75,256	80,272	91,181	76,267
Kerosine ..	655,183	664,784	678,571	784,214	499,623	419,683
Gas and diesel oils ..	1,514,099	1,750,119	1,981,355	1,838,259	1,395,797	1,295,022
do. do. (bunker oil) ..	52,610	163,382	214,571	199,005	161,131	129,185
Fuel oil ..	1,723,858	2,071,739	1,999,014	2,224,012	1,990,738	2,084,163
do. (bunker oil) ..	112,875	355,660	533,960	434,944	338,652	375,370
Lubricating oil ..	36,845	85,993	84,646	59,202	84,722	92,378
Paraffin wax ..	66,491	51,558	40,528	75,278	77,228	61,817
Asphalt ..	205	199	156	42	15	15
Iran (e)—						
Crude petroleum ..	b 3,353,700	10,833	41,003	1,906,497	(a)	(a)
Motor spirit ..	b 1,799,300	438	144,285	167,070	(a)	(a)
Kerosine ..	b 1,085,400	1,538	358	141,529	(a)	(a)
Gas oil ..	—	262	—	66,924	(a)	(a)
Diesel oil ..	b 7,458,100	—	23,197	98,804	(a)	(a)
Fuel oil ..	—	117	25,653	999,280	(a)	(a)
Other products ..	b 89,000	(a)	(a)	(a)	(a)	(a)
Iraq—						
Crude petroleum ..	7,838,292	17,626,590	26,985,727	29,184,942	31,643,663	29,169,832
Motor spirit ..	2,727	1,270	1,118	777	642	(a)
Kerosine ..	1,855	1,395	678	507	456	(a)
Bitumen ..	—	272	351	1,332	1	(a)

(a) Information not available.

(b) Anglo-Iranian Oil Co. only.

(c) Including bunkers.

(d) Bunkers on foreign ships only.

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

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Japan (bunkers)—						
Aviation spirit (foreign produce)	(a)	2,363	7,635	5,727	45,844	36,509
Fuel oil—						
Domestic produce ..	(a)	275,248	335,502	175,511	170,744	227,919
Foreign produce ..	(a)	289,066	333,952	452,088	932,783	1,617,063
Lebanon—						
Fuel oils	3,461	3,728	3,244	2,827	1,642	—
Netherlands New Guinea—						
Crude petroleum ..	228,000	239,000	237,000	491,200	477,954	357,632
Neutral Zone (b)—						
Crude petroleum ..	—	—	—	812,000	1,126,000	1,650,000
Saudi Arabia—						
Crude petroleum ..	29,116,148	31,590,532	30,812,126	35,618,910	36,884,697	38,154,076
Syria—						
Diesel oil	—	—	—	2,354	5,044	—
Fuel oil	1,954	6,472	7,688	6,187	2,074	—
Natural asphalt ..	3,997	3,522	2,956	3,480	3,853	2,955

(a) Information not available.

(b) Neutral Zone of Kuwait and Saudi Arabia.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Crude petroleum ..	16,680,733	22,818,386	25,631,425	27,730,537	28,062,953	28,823,183
Aviation spirit (d) ..	} 356,447	400,973	502,448	319,348	{ 256,796	337,000
Aviation turbine fuel ..							33,863	56,635
Motor spirit ..	2,959,396	1,236,809	1,091,901	1,025,115	1,492,997	1,568,954
Other spirit ..	180,478	177,264	291,803	161,983	116,182	158,682
Kerosine—Power ..	839,740	878,887	866,249	710,674	678,701	467,177
do. Other ..	} 978,692	591,096	512,076	592,925	{ 399,861	306,652
Aviation jet fuel ..							472,882	614,706
Fuel oil (d) ..	2,152,689	1,096,312	963,472	1,593,909	2,305,769	3,070,979
Diesel oil ..	246,703	309,397	223,931	211,922	227,564	240,907
Gas oil ..	1,472,134	789,079	1,107,422	1,567,391	1,849,432	1,765,857
Lubricating oil ..	447,556	442,173	451,150	463,033	444,385	458,373
Mineral jelly ..	10,595	6,217	9,131	7,744	11,055	9,279
Paraffin wax ..	58,310	22,745	14,045	40,209	37,583	33,602
Other petroleum wax ..	6,428	3,050	4,498	7,757	7,604	8,327
Ozokerite ..	12	11	(c) 29	11	8	3
Petroleum coke ..	9,449	9,766	9,726	18,820	27,492	24,654
Asphalt and bitumen (f) ..	56,924	56,595	61,256	64,607	81,018	69,117
Channel Islands—						
Aviation spirit ..	(b) 1,595	1,943	2,554	2,568	3,131	3,902
Motor spirit ..	16,732	16,629	17,335	17,651	18,247	19,746
Other spirit (b) ..	91	89	82	80	68	71
Kerosine ..	2,523	2,361	1,810	1,988	1,816	2,460
Gas and fuel oil ..	23,982	24,820	26,314	27,289	32,826	41,776
Lubricating oil ..	1,036	966	1,016	1,108	1,242	1,273
Greases (b) ..	20	14	19	13	16	22
Gibraltar (g)—						
Motor spirit, fuel oil, etc. ..	5,200	5,828	5,174	5,000	5,000	5,000
Kerosine ..	400	386	244	217	269	299
Malta—						
Aviation spirit (d) ..	13,549	30,135	30,634	26,438	19,801	34,621
Motor spirit ..	15,325	18,972	15,807	15,831	21,572	18,174
Aviation turbine fuel (d) ..	2,557	10,787	7,729	12,731	5,926	5,161
Kerosine ..	24,566	15,676	25,781	29,422	35,988	57,202
Fuel oil (d) ..	21,227	24,211	31,729	30,865	31,316	32,082
Gas oil (d) ..	14,955	14,773	15,043	15,385	15,825	15,736
Lubricating oil ..	1,074	619	666	982	1,350	1,519
Gambia—						
Aviation spirit ..	994	(c) 125	(c) 707	926	(c) 1,270	477
Motor spirit ..	1,501	2,179	1,161	1,994	2,271	2,221
Kerosine ..	910	560	406	549	563	645
Gas and diesel oil ..	1,746	1,398	1,394	1,710	1,844	2,377
Lubricating oil ..	233	224	51	167	232	243
Asphalt and bitumen ..	6	473	104	82	256	4
Ghana—						
Aviation spirit (d) ..	2,307	3,924	3,413	1,323	3,197	3,565
Motor spirit ..	65,507	74,489	82,126	96,914	106,724	110,119
Kerosine ..	18,988	24,236	29,116	24,215	34,806	27,098
Fuel oil (d) ..	33,315	(e) 38,042	(e) 30,327	30,350	49,925	42,979
Gas oil (d) ..	(e) 63,299	(e) 63,504	(e) 79,054	51,658	50,087	66,925
Diesel oil ..	(e) —	(e) —	(e) 2,600	28,045	57,735	24,890
Lubricating oil ..	6,968	8,003	4,887	9,179	11,547	9,832
Asphalt and bitumen ..	(e) 8,799	17,208	(e) 9,693	11,280	17,847	13,355

*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) Jersey only.

(c) Excess of re-exports.

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

(e) Revised.

(f) Natural.

(g) Excluding imports for bunkers.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Kenya—						
Aviation spirit (b) ..	9,330	14,888	8,120	24,110	11,351	17,581
Motor spirit (b) ..	98,917	96,987	78,559	97,493	121,169	118,340
Kerosine—Power ..	15,692	12,609	10,043	11,423	11,402	12,566
do. Other ..	22,234	21,782	16,830	25,870	21,181	23,699
Gas, diesel, fuel oils(b)	429,512	488,982	475,464	484,711	548,235	608,484
Lubricating oil (b) ..	4,098	15,229	5,466	7,563	12,557	8,279
Greases ..	669	970	600	704	549	621
Petroleum jelly ..	31	214	25	50	181	425
Paraffin wax ..	73	267	—			
Asphalt ..	(a)	(a)	(a)	7,196	10,627	14,372
Mauritius—						
Aviation spirit (b) ..	408	1,233	939	705	1,171	1,191
Motor spirit ..	11,316	15,171	16,264	18,951	16,682	25,802
Kerosine ..	3,097	2,824	2,776	3,726	3,004	4,525
Lubricating oils ..	1,330	1,493	1,507	1,667	1,283	1,424
Gas, diesel, fuel oils (b)	9,223	16,089	17,231	14,229	12,785	22,992
Grease ..	168	174	176	136	137	150
Asphalt and pitch ..	826	3,746	1,887	1,498	2,474	1,613
Nigeria—						
Aviation spirit ..	14,552	11,594	14,656	16,433	16,386	15,046
Motor spirit ..	82,452	82,355	106,958	138,833	135,044	166,237
White spirit ..	(a)	(a)	(a)	182	118	97
Aviation turbine fuel ..	(a)	(a)	(a)	2,700	2,583	(d) 44
Kerosine ..	27,118	43,292	44,700	49,936	52,212	70,049
Gas oil (b) ..	7,290	8,561	15,434	20,120	24,913	29,235
Diesel oil (b) ..	6,331	15,816	19,244	13,686	23,293	49,889
Fuel oil (b) ..	22,847	21,587	19,052	22,105	39,563	29,917
Lubricating oil ..	7,734	10,443	5,446	8,076	10,733	9,172
Greases ..	(a)	(a)	(a)	407	484	426
Petroleum jelly ..	(a)	(a)	(a)	193	114	131
Asphalt and bitumen ..	11,859	20,852	11,482	17,036	21,722	13,356
Northern Rhodesia—						
Aviation spirit ..	4,740	3,654	3,142	36,906		
Motor spirit ..	27,830	32,606	32,606			
Kerosine—Power ..	3,971	3,714	2,912	(c)	(c)	(c)
do. Other ..	2,915	3,346	3,774			
Fuel oil ..	8,145	12,449	16,693			
Lubricating oil ..	3,337	3,072	3,874			
Asphalt and bitumen ..	1,840	4,672	1,341			
Nyasaland—						
Motor spirit ..	8,388	9,405	9,964	(c)	(c)	(c)
Kerosine ..	1,362	2,052	2,299			
Fuel oil ..	4,648	6,031	5,653			
Lubricating oil ..	828	1,070	829			
St. Helena—						
Motor spirit ..	174	256	105	231	206	252
Kerosine ..	111	109	78	90	78	95
Diesel oil ..	156	91	70	221	36	222
Lubricating oil ..	13	14	6	28	6	18
Seychelles—						
Motor spirit ..	305	308	371	329	228	396
Kerosine ..	202	263	251	257	222	210
Fuel oil ..	374	98	207	205	186	311
Lubricating oil ..	19	47	26	(a)	(a)	(a)
Sierra Leone—						
Aviation spirit (b) ..	151	221	337	748	695	911
Motor spirit ..	5,247	6,301	7,031	6,809	9,997	14,073
Kerosine ..	4,733	5,936	6,605	8,235	7,987	9,365
Gas oil (b) ..	2,790	4,596	4,204	4,718	5,771	4,857
Diesel oil (b) ..	1,747	2,277	762	1,466	466	20,082
Fuel oil (b) ..	3,961	3,892	6,318	5,261	7,186	45,439
Lubricating oil ..	882	1,088	882	616	980	1,423
Asphalt and bitumen ..	713	178	336	1,071	1,011	2,094

(a) Information not available.

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

(c) See under Southern Rhodesia.

(d) Excess of re-exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Somaliland Protectorate—						
Motor spirit	3,588	3,236	3,228	3,075	3,442	3,534
Kerosine	439	454	696	564	603	532
Gas oil and diesel oil ..	793	984	670	730	878	957
Lubricating oil	133	107	146	76	131	146
Southern Rhodesia (b)—						
Aviation spirit	6,526	9,491	6,269	11,209	12,552	12,541
Motor spirit	91,680	99,341	103,577	175,298	188,216	215,328
Kerosine—Power	19,024	18,545	18,892	21,862	21,324	20,234
do. Other	7,489	9,089	8,012	17,073	17,274	21,260
Fuel oil	26,285	28,327	34,667	71,646	87,532	140,169
Lubricating oil	8,519	11,494	6,342	16,238	18,512	17,582
Other petroleum products	482	851	671	2,556	3,665	6,780
Greases	(a)	(a)	(a)	1,417	2,172	1,785
Paraffin wax	467	482	520	841	743	1,090
Asphalt and bitumen ..	17,086	18,436	7,473	16,298	26,457	22,801
South West Africa—						
Motor spirit	21,697	19,179	27,697	28,611	(e)	(e)
Kerosine—Power	2,324	2,304	2,922	2,666		
do. Other	3,650	4,890	3,457	3,825		
Diesel oil	20,750	23,181	30,317	35,943		
Lubricating oil	2,221	2,655	1,866	2,224		
Asphalt and bitumen ..	223	732	31	767		
Tanganyika—						
Aviation spirit (d)	3,288	2,998	3,813	1,413	3,275	3,513
Motor spirit	37,565	41,241	49,274	52,404	53,318	65,514
Kerosine—Power	2,226	3,371	2,334	1,829	1,556	1,279
do. Other	15,220	16,417	14,862	16,043	23,150	19,814
Gas, diesel, fuel oils (d)	35,094	46,665	54,876	63,788	98,829	125,588
Lubricating oil	4,984	9,212	2,746	4,239	7,234	5,285
Greases	268	588	453	261	412	448
Petroleum jelly	20	54	20	}	72	75
Paraffin wax	3	2	—			
Asphalt	(a)	(a)	(a)		4,246	7,165	7,727
Uganda—						
Aviation spirit (d)	1,734	2,149	4,346	4,538	6,875	4,187
Motor spirit	31,991	35,481	41,720	44,398	54,547	54,997
Kerosine—Power	809	3,027	5,299	1,191	1,015	1,794
do. Other	10,692	8,806	13,252	15,877	18,054	21,007
Gas, diesel, fuel oils	17,539	23,663	35,759	25,237	29,021	30,536
Lubricating oil	2,422	2,541	2,316	3,560	4,110	3,590
Greases	167	159	193	259	288	404
Petroleum jelly	20	30	26	}	52	43
Paraffin wax	1	1	3			
Asphalt	(a)	(a)	(a)		1,741	1,914	1,346
Union of South Africa—						
Crude petroleum	—	—	28,908	773,151	(c) 1,007,895	(c) 1,038,216
Motor spirit (d)	1,065,362	1,124,985	1,187,412	978,807	(c) 1,038,079	(c) 1,117,052
Other spirit	14,207	12,281	9,925	15,189	15,072	16,387
White spirit	15,436	19,754	22,511	21,436	30,957	26,545
Kerosine—Power	256,523	270,331	307,316	346,112	327,043	332,542
do. Other	147,952	152,242	148,387	152,557	147,250	155,621
Gas oil	} 431,194	} 393,459	} 380,898	} 348,948	{ c 321,177	{ c 429,701
Diesel oil (d)						
Fuel oil (d)	434,725	324,974	245,917	198,378	(c) 166,048	(c) 415,696
Lubricating oil	85,711	93,812	69,293	96,675	125,249	105,058
Transformer oil	3,787	4,364	5,332	3,910	4,790	4,602
Road oil	4,513	857	5,504	3,002	2,881	1,831
Other oils	2,897	1,737	1,880	2,656	3,411	4,120
Paraffin wax	15,902	16,157	14,535	17,895	(c) 20,869	(c) 18,518
Asphalt and bitumen ..	41,678	46,064	38,981	28,860	35,638	32,960
Petroleum jelly	3,413	2,498	2,491	3,395	3,191	3,291

(a) Information not available.

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

(c) Total imports.

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

(e) Included with Union of South Africa.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Zanzibar—						
Aviation and motor spirit	3,339	3,427	354	3,810	4,174	4,303
Kerosine, etc.	2,897	2,796	3,144	2,865	3,214	3,541
Fuel oils	1,184	1,790	2,259	748	2,079	2,461
Canada—						
Crude petroleum	11,897,747	11,599,948	11,353,974	11,253,182	12,382,567	15,210,002
Tops for refiners	121,312	197,467	273,592	14,177	14,536	21,807
Aviation spirit	174,550	229,933	253,528	262,180	345,613	327,639
Motor spirit	483,868	582,858	694,252	437,721	335,995	333,687
Kerosine, etc.	70,172	123,560	97,916	69,279	44,454	73,284
Lubricating oils	115,590	125,158	139,767	138,268	177,701	176,010
Diesel oil	451,313	336,738	277,993	247,493	318,794	263,196
Fuel oil	2,329,592	2,737,930	2,709,382	3,159,639	3,368,011	3,361,871
do. (c)	59,409	64,995	78,319	34,340	7,115	—
Other petroleum oils	8,074	10,590	11,147	8,054	7,088	7,525
Liquefied petroleum gas	84,308	85,581	117,442	118,446	99,207	91,442
Grease	6,059	8,109	9,015	6,333	8,352	8,136
Paraffin wax, etc.	16,703	13,627	16,574	15,418	19,164	19,316
Asphaltum oil, etc.	20	—	—	641	283	304
Asphalt	14,795	9,805	20,175	27,963	25,707	28,908
Petroleum coke	314,437	255,460	260,658	254,713	361,352	394,286
Other products	17,189	23,729	58,284	44,930	57,189	86,214
Natural gas (<i>million cubic feet</i>)	3,699	5,982	6,097	6,236	11,166	15,695
British Guiana—						
Aviation spirit (d)	848	1,386	292	530	3,098	1,225
Motor spirit	9,813	10,322	10,962	12,843	13,973	16,005
Kerosine	5,020	4,233	6,074	7,659	9,048	10,224
Gas, diesel and fuel oils	73,724	91,848	126,387	128,516	139,352	149,233
Lubricating oil	2,186	2,842	1,416	2,426	2,037	1,766
Paraffin wax	12	22	10	21	12	12
Petroleum jelly	(a)	(a)	(a)	66	16	67
Road oil	(a)	(a)	(a)	786	590	785
Asphalt and bitumen	(a)	(a)	(a)	244	401	250
Asphalt natural	242	224	349	389	263	347
British West Indies—						
Bahamas—						
Motor spirit	10,118	11,905	12,308	12,921	17,262	16,990
Kerosine	3,335	3,440	3,895	3,978	4,418	5,316
Fuel oils (b)	11,400	12,845	13,817	14,237	22,104	23,329
Lubricating oil	440	644	344	376	484	612
Barbados—						
Crude petroleum	5,566	5,711	8,398	8,338	5,680	8,204
Aviation and motor spirit	9,478	9,420	9,182	10,792	11,238	12,274
Kerosine	5,676	5,765	6,195	8,105	8,449	9,359
Gas oil and diesel oil	9,537	3,135	6,880	7,420	8,740	7,067
Lubricating oil	644	574	584	547	758	672
Road oil	120	57	18	2,182	75	41
Bermuda (d)—						
Aviation and motor spirits	30,306	37,198	50,111	46,726	56,308	77,397
Aviation turbine fuel	(a)	(a)	(a)	5,978	4,516	5,905
Kerosine	1,253	1,467	1,776	1,848	1,595	2,878
Diesel oil	11,784	17,400	13,415	19,119	14,640	18,537
Fuel oil	8,329	19,005	16,117	5,791	21,808	10,227
Lubricating oil	(a)	1,162	988	1,030	777	409
Asphalt	2,700	2,164	634	1,319	1,338	640
Cayman Islands—						
Motor spirit	212	216	268	300	414	783
Kerosine	167	173	190	216	216	219

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies—						
<i>(cont.)</i>						
Dominica—						
Motor spirit	496	603	647	686	841	(a)
Kerosine	377	73	430	455	446	(a)
Fuel oil and diesel oil	294	502	480	464	428	(a)
Lubricating oil ..	32	50	40	48	41	(a)
Road oil	(a)	(a)	34	56	(a)	(a)
Grenada—						
Motor spirit	1,603	1,676	1,652	1,839	2,010	2,278
Kerosine	711	812	891	933	1,005	1,021
Fuel oil	311	415	434	651	794	956
Lubricating oil ..	102	77	35	62	103	100
Road oil	543	463	391	464	446	467
Jamaica (c)—						
Aviation spirit (b) ..	7,128	11,111	12,200	14,628	17,118	19,185
Motor spirit	36,828	38,444	40,479	45,496	40,810	49,737
Kerosine	10,556	11,410	13,068	15,273	16,980	20,155
Gas oil (b)	1,307	35,590	30,296	27,677	22,445	(d) 5,734
Diesel oil (b)	6,238	23,636	47,315	44,190	35,318	56,393
Fuel oil (b)	55,110	139,817	203,509	265,326	206,767	309,897
Lubricating oil ..	2,840	2,772	2,744	3,169	3,819	4,146
Grease	290	336	262	208	290	327
Petroleum jelly ..	155	127	156	168	111	147
Paraffin wax	21	70	28	26	29	22
Natural asphalt ..	6,954	2,902	6,879	5,201	7,037	7,684
Leeward Islands—						
Motor spirit	1,951	2,443	1,316	1,404	3,298	3,000
Kerosine	867	1,328	1,595	1,340	2,659	1,542
Gas oil	693	972	3,260	2,437	1,148	1,067
Diesel oil	612	1,056	127	1,386	1,778	2,359
Fuel oil	111	459	132	177	492	246
Road oil	466	522	806	1,005	355	586
Lubricating oil ..	111	214	176	200	561	199
St. Lucia—						
Motor spirit	1,077	941	1,950	868	920	1,091
Kerosine	494	417	409	454	500	866
Fuel oil	881	729	659	723	905	4,372
Lubricating oil ..	88	89	55	66	105	106
Road oil	408	392	786	604	714	906
St. Vincent—						
Motor spirit	682	786	878	918	1,051	1,142
Kerosine	401	494	550	569	603	547
Gas, diesel and fuel oils	488	530	359	253	163	90
Lubricating oil ..	40	64	51	61	70	67
Road oil	340	146	162	198	200	221
Asphalt, tar and pitch	7	1	4	6	5	2
Trinidad and Tobago—						
Crude petroleum ..	2,248,962	2,314,096	2,306,232	2,324,496	2,481,671	2,561,513
Aviation and motor spirits	16	3,148	29,634	4	233	8
Kerosine	(d) 4	3	—	—	—	—
Gas oil	—	—	—	26,753	113,315	75,966
Fuel oil	1	194	3,135	2	3	3
Lubricating oil ..	3,917	3,951	3,235	4,468	4,168	4,398
Greases	248	448	230	301	370	320
Petroleum jelly ..	60	101	118	66	91	123
Paraffin wax	17	21	18	21	14	5
British Honduras—						
Aviation spirit	129	198	(d) 112	587	383	(d) 484
Motor spirit	3,716	4,042	3,928	3,887	3,859	4,249
Kerosine	1,349	1,826	1,750	1,627	2,042	2,160

(a) Information not available.

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

(c) Total imports 1951 to 1953.

(d) Excess of re-exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
British Honduras (cont.)—						
Diesel and fuel oils ..	3,293	2,681	2,944	3,645	3,926	3,417
Lubricating oil ..	454	270	375	236	427	525
Asphalt ..	821	990	1,620	1,272	491	188
Falkland Islands—						
Motor spirit ..	243	159	135	236	255	250
Kerosine ..	128	125	59	106	127	94
Gas and diesel oils ..	168	996	898	1,088	2,383	772
Fuel oil (b) ..	131,720	111,617	54,398	104,199	175,184	107,814
Lubricating oil ..	96	70	113	169	196	195
Aden Colony—						
Crude petroleum ..	—	—	—	—	4,265,197	4,585,746
Motor spirit ..	8,205	9,546	8,770	1,228	78	23,626
Kerosine ..	5,206	4,660	6,583	3,799	2,059	—
Gas oil ..	147,896	30,607	88,261	55,458	} 960,585	529,991
Fuel oil (b) ..	2,404,698	2,522,368	2,386,977	3,566,416		
Lubricating oil ..	(c) 3,742	1,544	2,159	2,010	2,788	2,603
Asphalt and bitumen ..	95	1,055	13,186	8,984	(a)	(a)
Aden Protectorate (e)—						
Motor spirit ..	726	812	2,560	1,107	407	6,084
Kerosine ..	113	58	83	122	1,348	4,629
Gas oil ..	—	24,825	1,001	1,400	} 28	66,912
Fuel oil ..	—	45	—	50		
Lubricating oil ..	669	71	102	67	64	165
Bahrain Islands (d)—						
Crude petroleum ..	7,170,000	7,764,000	8,128,900	9,059,300	8,397,900	8,057,300
British Borneo—						
Brunei—						
Motor spirit ..	793	3,656	7,306	7,421	2,420	2,657
Kerosine ..	269	643	1,347	1,837	798	768
Diesel oil ..	132	6,775	10,263	8,928	2,326	1,282
Fuel oil ..	48	94	534	1,690	537	95
Lubricating oil ..	55	1,120	1,907	1,001	2,171	271
Grease ..	2	76	54	169	483	11
North Borneo—						
Motor spirit ..	4,633	7,136	7,281	4,360	2,920	2,298
Kerosine ..	3,262	3,034	3,363	4,214	4,307	3,997
Gas, diesel and fuel oils ..	3,176	6,662	7,431	4,624	2,067	6,362
Lubricating oil ..	477	898	736	759	847	712
Asphalt and bitumen ..	184	2,725	(a)	78	1,148	(a)
Sarawak—						
Crude petroleum ..	4,895,640	4,990,194	4,798,933	4,707,024	5,175,032	5,548,598
Aviation spirit ..	203	323	308	363	414	591
Motor spirit ..	3,677	4,198	4,222	6,239	5,589	8,126
Kerosine ..	6,393	5,516	5,579	6,728	7,060	7,536
Gas oil ..	(a)	(a)	(c) 80	2,539	4,275	7,658
Diesel oil ..	5,100	6,119	6,293	5,051	3,981	3,203
Fuel oil ..	787	780	1,041	1,195	531	618
Lubricating oil ..	712	863	1,182	1,485	1,887	1,398
Paraffin wax ..	13	10	27	5	8	11
Natural gas (million cubic feet) ..	1,745	1,770	2,056	1,958	2,800	2,779
Ceylon—						
Aviation spirit (b) ..	} 106,316	125,376	} 5,641	8,476	6,632	9,351
Motor spirit ..				124,355	117,946	125,467	109,289
Kerosine ..	64,869	70,971	70,907	80,335	92,146	99,377
Gas oil (b) ..	17,422	25,908	38,324	31,215	36,173	44,505
Diesel oil (b) ..	141,953	127,469	139,169	133,575	161,379	132,952
Fuel oil (b) ..	536,226	486,928	442,637	365,460	511,598	375,750
Lubricating oil ..	8,123	9,796	4,679	6,041	7,953	8,826
Other oils and greases ..	325	545	132	209	415	367
Asphalt (incl. natural) ..	11,445	33,611	7,443	3,533	4,341	17,533

(a) Information not available.

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

(c) Excess of re-exports.

(d) British Protected State.

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Cyprus—						
Aviation and motor spirits (b)	30,090	35,458	44,060	53,056	48,619	72,479
Kerosine, etc.	19,152	15,714	19,126	19,538	32,561	62,945
Fuel oils	42,244	49,706	56,235	74,180	74,304	106,572
Lubricating oil	1,391	1,860	2,189	2,142	3,160	3,007
Paraffin wax	165	108	(c) 75	(c) 183	(c) 106	(c) 126
Asphalt and bitumen	4,505	5,668	5,609	5,522	10,626	10,520
Hong Kong (total imports)—						
Aviation spirit	52,422	10,970	11,095	16,952	9,647	15,400
Motor spirit		39,483	40,570	45,897	49,132	63,759
White spirit	(a)	687	1,551	2,553	2,856	4,124
Kerosine	21,056	31,860	42,770	51,037	64,565	86,770
Diesel oil and gas oil	495,070	86,080	101,616	140,102	118,973	160,929
Fuel oil		326,149	447,896	533,642	541,177	699,823
Lubricating oil	(a)	6,592	2,974	5,200	7,214	14,536
Greases	(a)	279	217	322	482	390
Petroleum jelly	2,918	270	197	411	284	97
Paraffin wax	2,573	737	760	1,642	1,722	955
Asphalt and bitumen	(a)	9,125	1,190	1,390	4,580	7,354
Asphalt (natural)	(a)	307	482	389	576	61
India—						
Crude petroleum	(g)	(g)	(g)	(g)	(h) 2,637,148	4,073,637
Aviation and motor spirits (b)	758,548	808,246	857,996	756,562	351,099	116,191
Other spirit	7,744	22,116	129	4,221	7,572	—
Kerosine	872,081	997,391	933,764	1,138,308	966,262	996,441
Diesel oil	599,778	666,411	592,801	813,812	384,159	285,072
Fuel oil (b)	(f) 856,020	(f) 754,681	(f) 752,793	(f) 716,494	183,241	27,261
White spirit, etc.	539	308	27	3	2	47
Lubricating oil	162,694	258,650	164,247	222,015	157,701	194,575
Turpentine substitute	2,113	1,681	8,640	6,842	3,006	10,513
Other oils	12,960	13,165	39,493	39,614	99,611	83,430
Greases	5,465	4,636	1,744	2,483	4,559	4,752
Paraffin wax	7	6	—	1	2	28
Asphalt	28,587	141,078	126,813	163,526	404,134	128,403
Kuwait (b) (d)—						
Diesel oil	(a)	(a)	—	5,976	10,939	57,907
Fuel oil	(a)	(a)	107,001	149,011	259,422	490,426
Malaya (total imports)—						
Crude petroleum	—	—	—	—	—	661,395
Aviation spirit	154,064	165,686	226,260	292,509	271,723	260,859
Motor spirit	854,821	992,056	1,183,509	1,194,463	1,238,961	1,240,431
White spirit	(a)	(a)	39,000	56,281	78,989	61,962
Aviation turbine fuel	(a)	(a)	2,013	(a)	(a)	33,316
Kerosine—Power	130,201	146,318	97,108	91,915	54,028	73,983
do. Other	150,535	261,891	316,810	286,642	389,718	398,566
Gas oil	512,634	789,741	851,567	768,164	748,891	783,619
Diesel oil	753,414	741,764	651,489	690,334	743,543	705,802
Fuel oil	1,413,042	1,958,802	2,052,131	2,393,670	3,030,055	2,791,339
Lubricating oil	32,578	28,915	22,078	24,388	33,229	34,311
Paraffin wax	5,919	2,598	1,903	2,016	2,423	5,090
Petroleum jelly	2,268	353	163	479	684	788
Grease	16	2	1,162	1,332	1,870	1,773
Asphalt and bitumen	27,073	36,202	30,043	40,254	48,912	176,937
Natural asphalt	(a)	(a)	(a)	5,406	16	—

(a) Information not available.

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

(c) Including petroleum jelly.

(d) British Protected State.

(e) Excess of re-exports.

(f) Including crude petroleum.

(g) Included with fuel oil.

(h) April to December only.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956	
BRITISH COUNTRIES							
<i>(cont.)</i>							
Pakistan (c)—							
Motor spirit	74,129	47,855	64,087	68,822	34,464	23,491	
Other spirit	2,220	13,572	41,017	28,243	33,895	3,087	
Kerosine	138,372	99,686	222,795	150,613	146,771	800	
Diesel oil	98,572	95,099	156,762	160,033	208,883	162,115	
Fuel oil	404,207	510,215	502,012	488,255	402,161	164,895	
Lubricating oil	21,013	34,911	19,156	33,057	34,573	46,756	
Turpentine substitutes	75	165	2	—	—	1	
Other oils	1,056	1,817	390	1,844	1,930	6,410	
Grease	1,052	1,680	7,623	1,913	749	1,604	
Paraffin wax	3,732	818	356	632	631	543	
Asphalt	11,402	45,309	4,535	6,778	18,642	8,445	
Australia (d)—							
Crude petroleum	807,209	906,343	971,855	1,209,891	3,782,170	6,903,793	
Aviation spirit (b)	126,751	141,761	136,470	145,058	137,029	152,917	
Motor spirit	1,785,426	1,936,825	1,928,352	2,094,448	1,817,542	1,321,475	
White spirit	34,808	33,992	32,985	41,789	48,514	58,135	
Kerosine—Power	303,349	245,204	263,539	271,487	320,594	263,100	
do. Other	145,992	180,378	193,603	223,762	224,849	206,989	
Aviation turbine fuel	116,985	193,712	97,409	105,350	172,751	51,657	
Lubricating oil	342,389	498,659	424,474	413,494	1,505,222	166,976	
Gas and diesel oils	1,585,989	1,586,736	1,290,516	1,510,771	1,589	622,952	
Fuel oil	7,108	18,906	6,928	6,412	1,589	169,587	
Other oils	1,731	2,668	690	1,159	1,648	1,491	
Petroleum jelly	4,973	8,469	1,718	4,356	6,530	4,909	
Paraffin wax	100	100	—	110	(a)	(a)	
Mastic asphalt	5,898	2,937	627	604	18,170	1,818	
Natural asphalt	44,179	27,571	24,331	2,133	7,757	5,344	
Bitumen and pitch	Fiji—						
Aviation spirit (b)	5,028	5,516	8,148	10,165	10,659	11,885	
Motor spirit	10,690	10,460	14,563	13,965	16,582	18,738	
Kerosine	2,861	3,525	3,595	4,402	4,747	3,024	
Diesel oil (b)	15,279	18,068	12,333	12,655	22,346	24,470	
Fuel oil (b)	458	284	5,177	1,477	3,203	4,298	
Lubricating oil	1,058	919	350	1,158	1,130	1,468	
Greases	157	124	86	87	222	253	
New Guinea (d)—							
Motor spirit	3,892	8,419	8,203	8,010	9,520	11,288	
Kerosine	1,846	2,037	1,841	2,185	2,432	2,892	
Fuel oils	8,087	6,938	8,897	8,071	13,289	10,399	
Lubricating oil	549	699	494	778	756	(a)	
New Hebrides—							
Motor spirit	787	2,354	1,383	1,694	1,600	1,624	
Kerosine	346	578	862	964	745	689	
Other oils	444	1,244	694	1,853	1,717	1,309	
New Zealand—							
Aviation spirit (b)	13,181	22,656	29,520	24,834	32,317	29,840	
Motor spirit	445,551	621,067	620,185	671,101	708,959	766,289	
White spirit	5,057	8,298	4,686	8,025	8,611	9,445	
Aviation turbine fuel	(a)	(a)	(a)	3,194	7,438	3,134	
Kerosine—Power	16,510	15,651	10,002	11,099	10,567	9,836	
do. Other	9,366	17,010	9,658	11,751	10,483	14,883	
Gas oil	28,550	84,545	91,230	112,544	117,310	191,830	
Diesel oil (b)	223,345	183,918	138,264	233,951	185,293	166,382	
Fuel oil (b)	247,727	270,976	203,712	195,526	283,910	238,256	
Lubricating oil (b)	24,508	35,850	17,855	30,035	32,496	45,288	
Transformer oil	2,164	1,196	1,087	1,096	1,186	1,145	
Other refined oils	4,377	6,120	6,244	6,460	(a)	(a)	
Petroleum jelly	98	54	23	40	132	738	
Paraffin wax	1,517	1,649	704	1,642	1,016	336	
Asphalt and bitumen	9,394	21,902	22,150	23,889	33,423	56,793	
do. natural	7,874	9,477	9,361	3,589	4,301	5,068	

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

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

(d) Years ended June 30 of that stated.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Papua (d)—						
Motor spirit	2,614	3,675	4,649	5,756	6,088	(a)
Kerosine	456	858	723	257	702	(a)
Fuel oil	2,393	5,017	5,799	6,448	10,365	(a)
Lubricating oil	317	492	278	378	525	(a)
Solomon Islands (c)—						
Motor spirit	383	755	303	(a)	403	636
Kerosine	229	637	245	(a)	246	232
Lubricating oil	177	53	213	(a)	61	27
Western Samoa—						
Motor spirit	927	1,919	1,512	2,181	2,403	2,145
Kerosine	403	507	443	619	516	564
Fuel oil	318	361	523	595	909	980
Lubricating oil	200	42	19	85	89	23
Irish Republic—						
Aviation spirit (b)	3,810	1,857	6,941	6,964	4,850	6,442
Motor spirit	230,545	249,473	251,951	259,624	273,006	285,977
White spirit	(a)	2,129	2,259	2,931	2,965	3,143
Kerosine—Power	99,992	108,271	48,234	44,909	45,720	45,146
do. Other			59,094	66,578	71,311	65,998
Diesel oil, etc. (b)	363,767	329,189	182,811	194,740	259,206	747,091
Fuel oil (b)			139,553	216,970	329,929	
Lubricating oil	16,410	13,793	15,911	17,071	20,026	21,255
Paraffin wax	2,802	1,100	1,128	1,937	(e) 2,215	(e) 1,841
Asphalt and bitumen	27,059	30,797	1,310	1,592	1,550	495
FOREIGN COUNTRIES						
Austria—						
Motor spirit	34,327	12,773	1,320	30,100	95,649	101,392
Gas oil	1	—	—	11,614	28,861	11,632
Fuel oil	20	—	4	15,979	174,896	110,345
Lubricating oil, etc.	10,172	9,785	10,111	17,822	21,854	26,504
Petroleum jelly	122	230	154	221	253	183
Paraffin wax	3,389	1,924	2,185	2,935	3,549	3,444
Ozokerite and ceresin	200	198	343	624	628	729
Asphalt, bitumen, etc.	3,068	1,340	742	965	905	1,048
Petroleum coke	8,188	17,884	20,345	16,216	24,758	34,658
Tar and pitch	9,949	4,941	5,828	8,376	20,612	19,276
Belgium-Luxemburg						
E.U.—						
Crude petroleum	918,830	2,244,598	2,886,674	3,671,078	4,637,230	5,250,512
Motor spirit, etc.	728,830	596,921	542,370	344,853	348,089	335,266
Kerosine	48,287	47,703	54,444	54,131	28,866	32,276
Fuel oil and gas oil	1,675,895	1,336,351	1,221,246	1,381,454	1,704,246	2,156,076
Lubricating oil	162,939	131,423	117,290	159,961	176,883	185,898
Other heavy oils	416	510	3,287	4,137	4,739	4,470
Petroleum jelly	1,128	1,010	1,067	999	1,130	1,510
Paraffin wax	4,109	2,697	4,040	4,217	4,713	5,540
Ozokerite and ceresin	380	73	186	277	342	470
Natural asphalt	5,182	6,887	5,066	6,415	7,067	6,820
Pitch	8,798	2,892	3,429	1,102	5,208	5,514
Denmark—						
Crude petroleum	20,828	32,756	20,725	32,595	29,999	18,886
Motor spirit	430,508	462,707	547,095	597,138	681,734	722,171
White spirit	8,722	8,939	6,452	12,044	9,901	12,141

(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Denmark (cont.)—						
Kerosine	54,986	52,461	46,490	40,189	} 121,171	107,987
do. Power	19,296	29,487	47,401	59,513		
Gas oil	304,181	270,579	316,824	349,529	412,573	524,853
Diesel oil	203,644	161,776	204,259	233,614	295,697	328,019
Fuel oil	806,795	878,631	857,922	1,116,299	1,523,739	1,827,903
Lubricating oil	35,448	31,900	34,367	43,965	50,527	36,306
Grease	543	475	563	713	708	837
Petroleum jelly	428	277	396	496	443	425
Ozokerite, etc.	468	281	431	600	526	736
Paraffin wax	2,018	1,558	2,395	3,134	3,728	4,212
Natural asphalt	3,023	869	1,130	942	396	548
Other asphalt	51,731	43,761	41,602	64,341	66,441	67,659
Faroe Islands—						
Motor spirit	785	1,020	1,315	1,029	1,325	(a)
Kerosine	1,106	1,779	1,819	1,662	1,922	(a)
Fuel oils	2,548	9,230	17,819	15,121	22,694	(a)
Lubricating oil, etc.	338	387	378	386	396	(a)
Finland—						
Motor spirit	259,939	278,265	297,389	331,386	353,150	346,611
White spirit	1,964	1,510	1,442	2,808	2,827	(a)
Kerosine	18,476	19,947	19,413	18,820	18,117	22,140
do. Power	33,822	42,664	51,060	50,102	52,480	49,164
Fuel oil	176,111	264,079	326,617	488,352	642,299	893,778
Lubricating oil	27,521	11,962	11,747	27,818	22,842	26,524
Petroleum jelly	164	90	99	218	212	215
Paraffin wax	2,555	424	816	2,149	2,320	2,584
Asphalt etc.	37,553	29,405	28,968	50,459	51,009	39,813
France—						
Crude petroleum	17,787,630	20,886,646	21,653,085	23,234,242	24,422,109	24,591,855
Aviation spirit	45,067	55,531	58,827	67,465	80,762	85,246
Motor spirit	116,066	68,815	77,130	176,331	330,832	332,695
Kerosine	2,374	4,557	5,370	7,759	8,481	11,049
Lubricating oil	161,031	66,113	32,905	30,881	36,106	65,834
Fuel oil	114,681	178,414	111,670	273,894	260,073	353,817
Gas oil	72,540	130,916	59,655	4,930	1,569	70,792
Petroleum coke	39,621	52,776	31,658	47,840	72,295	72,241
Paraffin wax	4,954	2,772	1,593	632	1,290	3,220
Ozokerite and ceresin	4,329	2,580	5,119	4,252	4,727	4,643
Petroleum jelly	66	51	40	62	131	812
Asphalt and bitumen, natural	6,974	4,281	1,874	3,979	2,799	2,983
Bitumen, etc.	1,392	38,005	1,230	1,084	2,282	458
Germany (Federal)—						
Crude petroleum	3,154,889	3,477,072	4,488,239	5,890,764	6,998,999	7,872,407
Aviation and motor spirits	121,417	128,713	76,487	99,415	211,046	456,116
Kerosine	1	81	95	6,117	34,069	29,521
Gas oil	238,810	370,489	603,011	559,843	734,398	998,725
Fuel oil	77,868	130,648	172,649	576,952	1,603,757	3,175,930
Lubricating oil, etc.	21,747	24,865	56,327	70,018	107,646	116,914
Petroleum jelly	(b) 246	577	1,141	1,049	1,228	1,379
Paraffin wax	2,267	1,131	2,015	6,408	4,878	4,120
Ozokerite, etc.	380	341	660	918	1,131	482
Asphalt	4,204	2,872	4,346	7,087	6,544	8,475
Bitumen	(a)	1,007	10,345	7,051	24,983	53,579
Greece—						
Motor spirit	245,550	237,937	244,846	273,965	298,683	260,983
Kerosine	80,676	93,120	85,386	94,795	93,727	103,050
Fuel oil and diesel oil	808,212	885,169	885,742	999,891	1,076,536	1,130,219
Lubricating oil, etc.	12,616	14,789	18,239	17,287	18,752	16,320
Petroleum jelly	100	113	162	78	(a)	(a)
Asphalt and bitumen	14,985	16,810	7,046	40,271	19,971	(a)

(a) Information not available.

(b) October to December only.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Iceland—						
Aviation spirit ..	15,326	27,327	15,789	17,098	25,439	19,057
Motor spirit ..	16,909	24,418	37,480	36,460	30,342	32,450
Kerosine ..	1,883	4,782	3,185	2,110	1,917	1,909
Gas oil and fuel oil ..	136,107	172,464	217,518	178,480	201,701	229,185
Lubricating oil ..	2,919	3,419	4,053	4,122	3,617	4,076
Greases ..	123	115	150	142	170	150
Paraffin wax ..	95	41	51	49	26	67
Petroleum jelly ..	4	1	1	11	—	10
Asphalt ..	707	742	691	1,019	108	789
Italy—						
Crude petroleum ..	6,698,687	9,725,153	12,647,278	15,568,759	16,601,955	17,750,720
Motor spirit ..	34,440	17,153	9,931	36,864	74,931	31,259
Kerosine ..	190	15	70	70	26	134
Gas oil ..	12,735	10,758	9,159	5,938	12,428	22,115
Fuel oil ..	757,328	594,539	623,545	640,683	441,078	638,649
Lubricating oil ..	72,210	49,445	48,019	56,009	52,886	44,432
Petroleum jelly ..	2,013	598	998	1,425	1,055	1,862
Paraffin wax ..	12,039	13,243	18,032	15,977	14,476	15,632
Pitch ..	78	43	170	31	93	100
Petroleum coke ..	45,776	13,724	36,739	52,812	43,099	52,992
Ozokerite and ceresin ..	(a)	409	724	784	605	308
Asphalt etc. ..	1,241	1,106	823	1,030	1,256	1,705
Netherlands—						
Crude petroleum ..	6,070,214	6,712,660	6,787,765	9,462,479	11,457,352	12,727,238
Motor spirit ..	129,344	138,200	173,313	168,403	169,317	193,553
Kerosine ..	160,459	149,944	148,509	147,725	161,073	167,681
Gas oil ..	222,688	339,525	326,500	329,363	622,383	1,048,680
Fuel oil ..	440,916	671,922	1,137,454	1,212,160	1,426,473	1,693,543
Lubricating oil ..	91,186	63,016	82,501	197,549	201,653	166,273
Petroleum jelly ..	1,727	951	839	1,630	2,426	3,168
Paraffin wax ..	15,158	22,359	6,700	30,794	40,176	44,005
Ozokerite and ceresin ..	243	117	203	295	199	169
Asphalt, bitumen, etc. ..	473	186	731	6,418	9,041	14,231
Natural asphalt ..	1,147	1,023	779	1,332	1,020	1,169
Norway—						
Crude petroleum ..	57,433	47,651	73,471	71,691	94,914	78,113
Motor spirit ..	253,683	273,882	304,924	299,385	331,332	328,469
White spirit ..	9,520	6,452	8,592	7,235	11,701	11,077
Kerosine ..	47,084	50,713	77,153	94,710	97,685	115,521
Diesel oil ..	242,758	293,915	277,745	286,122	386,479	408,412
Gas oil ..	376,984	414,084	427,018	459,760	545,310	629,284
Fuel oil ..	769,078	873,476	955,243	993,967	1,307,186	1,365,389
Lubricating oil ..	32,661	23,904	27,136	31,398	28,652	33,857
Paraffin wax ..	2,384	1,435	1,754	2,505	2,175	2,228
Petroleum jelly ..	1,272	1,132	1,076	1,607	1,491	1,878
Pitch ..	5,805	3,619	5,500	6,788	8,368	18,418
Petroleum coke ..	36,580	40,010	37,275	37,096	44,629	56,230
Asphalt, etc. ..	28,228	17,293	18,403	25,310	23,802	19,154
Poland—						
Crude petroleum ..	(a)	(a)	405,900	455,900	536,300	528,500
Portugal—						
Crude petroleum ..	378,276	468,304	130,082	695,130	896,108	960,565
Motor spirit ..	76,521	69,304	127,022	70,242	38,954	33,577
do. (b) ..	1,049	1,008	1,254	1,722	2,298	2,959
Kerosine ..	62,779	61,373	115,593	62,088	54,191	54,446
Aviation turbine fuel ..	—	—	2,984	1,815	—	—
Gas oil and diesel oil ..	59,506	62,146	160,890	104,594	141,002	118,325
Fuel oil ..	128,754	130,026	256,748	158,895	118,363	110,624
Gas, diesel, fuel oils (b) ..	111,529	131,168	145,933	156,265	160,115	164,950
Lubricating oil ..	20,382	16,400	14,018	17,572	19,427	24,488
do. (b) ..	1,335	1,664	1,675	1,648	1,842	1,951
Petroleum jelly ..	36	114	118	153	129	134
Paraffin wax ..	2,093	1,419	1,371	1,856	2,324	2,233
Ozokerite and ceresin ..	54	38	73	87	73	130

(a) Information not available.

(b) Imported for bunkering of national ships.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portugal (cont.)—						
Bitumen	81	62	505	396	33	41
Natural asphalt	15,081	14,218	19,744	19,208	16,067	14,293
Spain—						
Crude petroleum, heavy	64,106	—	—	—	7,657	(a)
do. light	281,219	880,002	1,466,725	1,751,665	2,100,810	(a)
Motor spirit	426,277	365,096	177,610	219,352	187,280	(a)
Kerosine	10,948	12,136	23,383	53,171	80,786	(a)
Diesel oil	196,422	144,699	81,681	250,779	289,869	(a)
Lubricating oil	67,530	44,701	69,418	71,808	67,770	(a)
Fuel oil	403,848	290,782	76,713	207,081	295,503	(a)
Petroleum jelly	487	371	110	94	115	(a)
Paraffin wax	2,046	2,099	1,378	2,738	2,377	(a)
Asphalt	72,737	58,376	69,075	69,925	82,453	(a)
Sweden—						
Crude petroleum	1,026,558	1,164,990	1,399,000	1,712,519	1,859,062	1,783,576
Motor spirit	636,969	682,222	735,726	828,702	910,391	1,079,578
White spirit	64,365	32,236	58,467	35,119	39,911	41,439
Kerosine	266,355	275,103	334,899	364,554	325,302	287,157
Fuel oil and gas oil	2,632,608	2,786,617	2,866,647	3,365,002	4,730,000	6,316,794
Lubricating oil	72,921	58,539	57,204	62,380	84,402	100,813
Petroleum jelly	535	360	400	743	677	817
Other oils	1,680	1,102	1,184	1,314	1,685	1,930
Paraffin wax	8,636	2,051	4,591	6,018	6,009	6,399
Ozokerite and ceresin	1,231	837	1,059	1,322	1,544	1,597
Asphalt	5,531	2,231	2,526	3,678	2,748	3,472
Pitch	10,384	4,748	7,928	15,603	15,175	17,551
Petroleum coke	6,071	4,184	8,123	8,381	7,322	12,596
Switzerland—						
Motor spirit	311,699	345,331	381,457	444,332	532,434	616,090
Kerosine	87,594	119,585	100,939	53,341	39,927	40,212
Fuel oil	611,409	651,906	704,229	967,199	1,140,950	1,621,302
Lubricating oil and grease	52,930	28,128	27,430	37,940	43,690	49,856
Other oils	90,598	101,241	114,279	126,328	149,169	190,764
Petroleum jelly	1,339	306	533	975	1,180	1,093
Paraffin wax and ceresin	3,215	1,739	2,128	3,459	3,724	4,030
Asphalt and bitumen	680	712	689	844	527	1,057
Yugoslavia—						
Crude petroleum	378,041	311,355	447,271	442,180	475,396	572,216
Aviation spirit	11,277	13,219	22,839	36,715	19,506	20,022
Motor spirit	25,243	3,016	31,323	23,929	14,525	—
Kerosine	(a)	(a)	1,077	3,172	—	—
Aviation turbine fuel	(a)	(a)	14,580	—	—	—
Fuel oils	83	(a)	7,806	2,310	—	2,323
Lubricating oil	18,471	14,091	17,804	11,825	4,896	5,904
Greases	—	59	31	27	113	157
Paraffin wax	1,027	833	1,015	118	1,694	1,239
Petroleum jelly	589	252	113	174	501	191
Bitumen	—	5,717	(a)	(a)	(a)	(a)
Petroleum coke	2,097	1,911	2,872	—	3,149	3,504
Algeria—						
Aviation spirit	6,517	6,452	7,099	11,297	17,550	36,564
Motor spirit	202,866	216,233	237,667	251,664	303,388	343,428
White spirit	564	630	878	942	1,024	1,505
Kerosine	58,394	62,897	68,329	78,860	92,718	91,255
Gas oil	143,239	169,691	189,694	216,130	255,144	240,762
Fuel oil and diesel oil	238,424	207,776	277,445	286,185	317,818	246,360
Lubricating oil	25,527	19,629	16,336	21,403	27,250	29,673
Road oil, etc.	35,857	37,892	38,001	46,904	52,078	47,326
Paraffin wax	605	310	376	487	410	461
Petroleum jelly	38	41	24	7	46	28
Ozokerite and ceresin	14	4	—	4	1	13
Asphalt, etc., natural	248	85	53	14	343	33
Mastic asphalt	3,962	3,938	4,055	5,828	4,291	3,425

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Angola—						
Motor spirit	26,156	32,687	30,381	38,789	42,380	44,253
Kerosine	3,627	5,071	3,953	5,596	6,615	8,549
Gas oil and fuel oil ..	12,716	18,651	24,426	32,125	46,197	75,511
Lubricating oil	3,482	4,964	3,599	4,415	4,313	6,042
Belgian Congo—						
Motor spirit, etc.	121,360	134,058	170,080	189,406	207,688	201,171
Kerosine	19,524	24,042	22,285	29,249	27,214	40,684
Fuel oil, etc.	56,131	53,848	73,386	130,237	138,342	157,904
Lubricating oil and greases	14,741	21,218	13,898	19,724	21,239	20,944
Petroleum jelly	41	86	41	49	49	101
Paraffin wax	21	100	68	136	188	70
Asphalt	2,884	5,303	6,034	908	4,415	2,663
Cameroon (French)—						
Motor spirit	29,355	42,295	37,055	45,525	51,906	45,889
Kerosine	5,234	10,913	7,802	12,622	12,765	13,846
Fuel oil	10,589	17,112	14,799	15,829	18,135	21,473
Lubricating oil	2,866	5,718	1,596	2,962	3,675	2,999
Canary Islands—						
Crude petroleum			1,165,423	801,041	664,752	(a)
Motor spirit			3,017	9,431	2,108	(a)
Diesel (b)	2,527,985	2,478,624	537,946	693,605	54,800	(a)
Fuel oil (b)			806,632	638,901	10,105	(a)
Cape Verde Islands—						
Motor spirit	321	358	292	451	473	536
Kerosine	377	431	421	548	650	864
Fuel oil (b)	360,187	355,364	435,039	712,431	469,246	411,413
Ceuta—						
Motor spirit			7,265	7,994	14,787	(a)
Kerosine			312	1,488	1,927	(a)
Diesel (b)	410,320	400,972	169,168	143,571	109,758	(a)
Fuel oil (b)			103,666	210,939	564,745	(a)
Lubricating oil			1,639	2,008	2,609	(a)
Egypt—						
Crude petroleum	58,936	94,880	45,688	630,555	996,524	(a)
Motor spirit	88,714	75,406	78,330	55,360	45,601	(a)
White spirit	416	623	652	674	920	(a)
Kerosine	405,458	475,930	487,259	544,050	365,056	(a)
Fuel oil	473,216	377,041	246,234	571,497	676,428	(a)
Gas oil	135,821	146,255	102,064	65,133	38,316	(a)
Diesel oil	151,873	137,879	107,316	84,693	35,360	(a)
Lubricating oil	42,832	30,708	29,397	32,589	33,631	(a)
Petroleum jelly	441	416	524	478	621	(a)
Paraffin wax	1,549	731	543	841	1,055	(a)
Ozokerite and ceresin ..	55	43	31	75	87	(a)
Asphalt and bitumen ..	3,579	198	77	669	712	(a)
Ethiopia (c)—						
Motor spirit	21,534	22,254	39,785	49,985	45,456	54,338
Kerosine	5,132	981	6,576	6,795	3,422	4,213
Gas and fuel oils	5,480	2,638	8,812	14,296	8,798	6,892
Lubricating oil and grease	1,698	2,639	4,467	5,400	7,047	8,882
French Equatorial Africa—						
Aviation spirit	13,528	12,240	8,761	11,251	17,959	23,504
Motor spirit	32,327	39,690	34,403	35,980	36,237	45,195
Kerosine	7,001	10,111	8,707	10,765	10,111	11,639
Gas oil	13,957	21,133	17,035	23,038	17,014	31,494
Fuel oil	5,782	6,831	10,171	4,535	4,518	4,990
Lubricating oil, etc. ..	4,950	5,823	3,361	2,915	5,542	4,906

(a) Information not available.

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

(c) Years ended September 10.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
French Somaliland—						
Motor spirit	626	3,947	9,459	845	2,246	5,019
Kerosine	174	1,881	882	3,323	876	167
Fuel oil etc.	(a)	—	—	2,814	5,716	34,152
Lubricating oil	95	757	315	241	253	246
French Togoland—						
Motor spirit	4,404	5,888	4,154	4,223	6,108	5,505
Kerosine	3,340	5,293	3,306	4,167	3,141	4,182
Fuel oil	999	2,871	2,253	3,254	4,794	4,174
Lubricating oil	427	457	735	368	849	473
French West Africa—						
Aviation spirit	28,345	20,601	9,515	35,530	19,324	10,940
Motor spirit	84,346	117,992	122,582	104,352	138,799	153,931
Kerosine	22,243	37,740	37,652	51,604	53,997	61,685
Gas oil	43,896	41,542	45,092	45,085	55,278	64,798
Diesel oil	156,489	(a)	(a)	12,339	86,613	95,498
Fuel oil	843,465	42,807	68,247	85,188		
Lubricating oil	23,916	13,654	12,141	10,448	16,086	20,810
Liberia—						
Motor spirit	(a)	(a)	7,746	20,223	10,796	7,877
Kerosine			2,633	7,258	3,461	2,712
Diesel oil			6,249	5,588	5,577	6,947
Lubricating oil			684	619	759	1,076
Madagascar—						
Aviation spirit	9,458	3,169	3,901	5,018	5,641	6,189
Motor spirit	25,692	36,988	43,122	41,388	47,662	49,777
Kerosine	8,289	9,233	11,910	12,099	11,013	15,471
Gas oil	13,912	16,892	16,344	22,419	26,614	29,188
Fuel oils	552	148	3,382	2,501	2,635	787
Lubricating oil	3,664	6,301	5,800	2,662	3,886	5,158
Road oil, etc.	6,088	9,716	3,729	5,348	7,720	8,741
Paraffin wax	30	42	48	1	162	79
Petroleum jelly	11	11	11	20	11	7
Asphalt and bitumen	402	1,597	418	2,264	94	218
Melilla—						
Petroleum products	16,634	18,862	15,729	16,881	16,820	(a)
Morocco (Southern)—						
Aviation spirit	22,412	26,660	32,792	26,224	26,971	12,625
Motor spirit	215,770	251,440	296,712	297,696	325,743	284,448
White spirit	841	1,615	2,656	3,369	2,356	1,300
Kerosine	24,691	38,954	57,656	73,961	79,744	45,047
Gas oil	85,615	104,742	105,046	99,031	106,497	105,542
Fuel oil	178,792	248,638	240,204	137,609	160,135	145,617
Lubricating oil	18,604	20,282	14,913	18,230	18,316	14,467
Paraffin wax	3,744	3,924	4,269	3,856	4,624	4,496
Road oils, etc.	(a)	39,367	35,660	40,585	34,345	23,544
Asphalt and bitumen	(a)	10,033	3,859	2,715	1,551	959
Morocco (Northern)—						
Motor spirit	13,414	13,249	13,739	13,111	13,790	(a)
Kerosine	2,648	2,955	3,071	3,286	3,307	(a)
Gas oil	5,663	9,193	9,877	11,546	12,799	(a)
Fuel oil	4,421	3,286	4,567	9,425	12,350	(a)
Lubricating oil	592	574	570	1,039	186	(a)
Grease	334	373	335	515	980	(a)
Asphalt	651	901	2,213	3,655	1,818	(a)
Mozambique—						
Motor spirit	24,845	26,700	28,645	27,251	30,005	31,332
Kerosine	10,146	12,856	13,337	13,754	14,498	16,863
Fuel oil	24,227	27,055	27,657	34,202	38,019	46,371
Lubricating oil	2,984	3,610	4,132	3,703	4,348	5,210
Paraffin wax	27	23	37	26	38	52
Petroleum jelly	41	21	20	29	28	68
Asphalt and bitumen (b)	2,296	2,810	1,712	3,451	3,176	3,893

(a) Information not available.

(b) Including coal tar and pitch.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portuguese Guinea—						
Motor spirit	1,235	(a)	(a)	(a)	(a)	(a)
Kerosine	358	(a)	(a)	(a)	(a)	(a)
Fuel oil	379	(a)	(a)	(a)	(a)	(a)
Lubricating oil	143	(a)	(a)	(a)	(a)	(a)
Reunion—						
Motor spirit	5,753	6,335	4,413	6,924	8,889	10,855
Kerosine	1,407	2,402	753	1,297	1,829	1,388
Fuel oil etc.	3,272	3,020	1,072	3,471	2,311	4,282
Lubricating oil	654	1,308	723	629	940	658
S. Tome and Principe—						
Motor spirit	1,073	906	777	813	1,201	2,383
Kerosine	188	328	351	324	453	671
Fuel oil	9,809	237	145	263	339	727
Sudan—						
Aviation spirit (c)	11,876	22,318	19,808	17,726	20,731	24,655
Motor spirit	36,519	40,305	46,175	59,886	57,335	51,973
Kerosine	12,164	17,479	20,163	17,072	19,503	19,986
Gas oil	13,115	14,681	17,206	22,856	25,443	32,041
Diesel oil	22,635	23,606	22,952	24,543	27,605	27,292
Fuel oil	87,320	88,583	91,602	105,771	106,825	111,835
Lubricating oil, etc.	4,147	8,077	4,313	3,718	5,322	6,275
Asphalt and bitumen	3,639	6,967	2,040	2,188	3,395	3,564
Tunisia—						
Aviation spirit	136	235	219	172	90	147
Motor spirit	65,185	78,891	81,985	79,978	83,402	78,616
Kerosine	32,079	29,330	34,624	34,329	36,524	37,855
Fuel oil	65,268	68,357	130,119	144,761	205,911	194,133
Gas oil	72,154	73,356	82,015	82,619	89,153	86,293
Lubricating oil	10,403	9,623	5,534	7,242	8,191	7,067
Petroleum jelly	—	90	38	44	6	(a)
Paraffin wax	139	(a)	50	90	79	(a)
Costa Rica (b)—						
Motor spirit	27,500	42,000	51,806	42,757	38,864	43,979
Kerosine	5,000	(a)	7,300	4,624	5,805	6,838
Diesel oil, etc.	30,600	31,000	36,208	34,964	24,248	50,294
Fuel oil	37,800	(a)	43,124	48,313	40,837	52,036
Lubricating oil	2,000	(a)	3,476	4,185	3,103	2,720
Grease				(a)	(a)	268	224	274
Petroleum jelly	(a)	(a)	(a)	108	85	77
Paraffin wax	(a)	(a)	(a)	1,017	1,187	1,199
Asphalt	(a)	(a)	54	1,394	3,072	3,687
Cuba (b)—						
Crude petroleum	189,450	337,324	428,708	392,187	445,461	(a)
Motor spirit	353,730	350,940	301,006	330,621	374,512	(a)
Kerosine	1,035	605	53	8,298	1,317	(a)
Fuel oil	1,208,133	1,146,258	1,109,147	985,527	1,109,077	(a)
Gas oil	20,632	12,385	19,473	29,635	53,202	(a)
Lubricating oil	34,558	65,212	29,591	39,019	51,714	(a)
Residual oils	—	37,441	48,877	66,042	84,046	(a)
Petroleum jelly	693	484	697	634	589	(a)
Paraffin wax	2,517	2,401	2,976	2,793	3,147	(a)
Asphalt rock	29	42	21	25	26	(a)
Other asphalt	143	1,015	145	178	160	(a)
Bitumen	2	3	—	1	3	(a)
Petroleum coke	2,610	184	1,594	1,799	2,288	(a)
Dominican Republic (b)—						
Motor spirit	56,744	57,694	61,530	67,215	77,987	84,858
Kerosine	9,877	8,185	8,119	8,258	12,316	11,650
Fuel oil	33,256	104,318	109,580	102,786	178,164	186,356
Lubricating oil	4,378	7,066	5,064	5,654	7,227	6,919
Other oils	2,369	12,060	11,433	14,721	18,245	20,527

(a) Information not available.

(b) Total imports.

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
French West Indies—						
Guadeloupe—						
Motor spirit	10,246	10,681	12,437	13,887	15,139	15,207
Kerosine	3,405	3,787	4,181	4,386	5,290	7,024
Fuel oil and lubricating oil	9,416	6,402	5,567	5,494	5,939	8,985
Martinique—						
Motor spirit	10,028	11,399	11,392	13,321	13,910	14,663
Kerosine	4,620	4,585	5,374	6,266	9,195	7,905
Gas and fuel oil	11,282	12,733	13,171	11,092	13,192	13,283
Lubricating oil	(a)	1,068	636	933	1,062	1,848
Greenland—						
Motor spirit	(a)	(a)	(a)	1,158	703	(a)
Kerosine				1,213	942	(a)
Fuel oil				8,124	36,205	(a)
Lubricating oil				286	298	(a)
Guatemala (d)—						
Crude petroleum, etc.	166,296	133,042	134,006	143,289	170,294	150,399
Aviation spirit	7,880	5,731	8,437	4,918	6,731	10,692
Motor spirit	35,244	52,909	55,997	62,779	77,645	94,384
Kerosine	9,337	11,117	9,676	13,039	13,844	16,072
Diesel oil	19,782	65,497	21,459	25,291	31,648	45,427
Fuel oil	1,363	1,769	1,796	2,651	3,138	3,096
Lubricating oil	4,172	2,450	3,623	4,557	4,528	4,934
Grease	231	268	314	349	397	537
Asphalt	2,234	8,292	5,986	4,057	18,074	11,181
Paraffin wax, etc.	2,303	2,081	2,845	3,396	2,843	3,467
Haiti (b)—						
Motor spirit	18,276	21,015	27,023	22,967	19,634	27,848
Kerosine	2,911	3,006	3,995	4,037	2,462	3,291
Fuel oil, etc.	15,093	10,622	13,075	16,448	6,721	12,356
Honduras (c)—						
Motor spirit	21,000	24,746	100,231	90,386	(a)	(a)
Kerosine, etc.	1,700	(a)	2,163	2,386	(a)	(a)
Fuel oil	140,000	136,995	61,505	37,763	(a)	(a)
Lubricating oil	2,000	1,930	2,118	9,847	(a)	(a)
Mexico (d)—						
Motor spirit	111,776	172,817	263,835	343,203	475,364	498,497
Kerosine	1,452	1,683	5,048	77,121	166,077	216,710
Gas oil	11,515	13,090	17,963	177,790	325,509	332,856
Fuel oil	52,474	201,665	369,351	399,939	430,073	464,208
Lubricating oil	61,479	69,929	66,516	98,744	40,795	17,311
Grease	3,871	4,644	3,479	4,926	5,256	7,129
Paraffin wax	25,544	34,638	39,316	43,744	37,044	15,909
Petroleum jelly	1,851	463	881	665	1,010	1,048
Asphalt	4,854	10,243	9,734	2,877	1,820	844
Asphalt rock	340	1,062	980	5,460	8,173	256
Natural gas (million cu. ft.)	19,419	18,843	19,060	22,845	19,713	18,710
Netherlands West Indies—						
Crude petroleum	44,748,735	43,294,703	39,904,781	41,167,428	42,156,899	43,435,159
Aviation spirit	222,854	214,715	640,721	180,447	139,542	323,327
Motor spirit	194,054	373,604		640,183	948,651	1,096,746
Kerosine	37,092	5,043	6,291	11,792	1,327	9,812
Fuel oil	1,826,618	1,870,936	2,467,685	2,175,525	2,461,784	1,149,016
Diesel oil	142	30,195	55,758	32,752	263,212	202,176
Gas oil	409,208	1,068,875	768,652	298,290	165,650	447,944
Lubricating oil	6,482	6,266	4,391	723	2,728	2,008
Asphalt	143	355	3,009	66	(a)	(a)

(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Nicaragua (b)—						
Aviation spirit ..	6,126	4,490	4,549	5,360	} 43,822	50,333
Motor spirit ..	17,842	20,502	26,448	31,601		
Kerosine ..	6,076	6,636	9,124	12,004	} 16,337	15,187
Fuel oil ..	33,892	54,625	50,976	51,210		
Lubricating oil ..	2,535	2,759	2,373	3,355	} 5,352	3,435
Paraffin wax ..	384	303	477	473		
Petroleum jelly ..	46	134	68	83	} 751	844
Panama Republic (b)						
Motor spirit ..	56,298	63,250	65,068	71,538	76,608	79,000
Kerosine ..	13,126	15,705	15,481	19,269	18,388	21,000
Diesel oil ..	23,742	34,133	27,944	27,963	34,925	33,000
Fuel oil ..	96,316	118,891	122,368	91,772	103,666	84,900
Lubricating oil ..	2,240	2,653	2,681	2,565	2,936	2,800
Asphalt ..	4,081	1,113	944	1,313	1,946	(a)
St. Pierre and Miquelon—						
Motor spirit ..	479	454	2,496	} 3,000	5,546	5,747
Gas oil and fuel oil ..	464	802	15			
Salvador—						
Motor spirit ..	37,641	43,402	48,618	52,883	58,951	66,353
Kerosine ..	6,470	9,309	12,738	14,176	15,149	16,903
Gas oil and diesel oil ..	13,864	16,821	17,112	16,233	13,766	16,721
Fuel oil ..	48,338	58,465	53,239	61,862	54,154	60,916
Lubricating oil ..	(a)	1,947	1,929	2,939	} 2,795	3,960
Grease ..	119	244	323	331		
Paraffin wax, etc. ..	922	663	826	816	756	928
Asphalt ..	1,418	1,719	3,414	3,556	3,217	7,080
United States—						
Crude petroleum ..	25,353,445	29,643,665	33,287,299	34,602,109	42,039,971	50,063,398
Aviation spirit ..	—	13,198	2,244	147	453	9,726
Motor spirit, etc. ..	46,143	191,968	56,833	135,453	575,709	817,749
Naphtha ..	9,092	11,171	8,286	4,708	6,863	30,225
Kerosine ..	23	3,637	2	2	5,626	29,446
Fuel oil ..	17,766,055	19,270,969	20,356,664	19,291,221	22,715,425	24,121,996
Gas oil and diesel oil ..	394,453	489,980	680,179	594,961	692,313	755,862
Unfinished distillates and topped oils ..	737,116	441,113	281,784	1,138,077	929,604	638,790
Lubricating oil, etc. ..	37	112	68	203	113	92
Road oil, etc. ..	17,699	12,512	8,456	9,126	1,875	116,001
Paraffin wax, etc. ..	27	1	130	434	39	15
Ozokerite and ceresin ..	36	220	175	406	632	1,008
Petroleum jelly ..	1	3	4	—	1	1
Asphalt (petroleum) ..	377,094	427,511	401,977	553,331	537,708	462,313
Asphalt and bitumen (natural) ..	5,629	3,751	2,410	3,789	4,454	3,675
Natural gas (<i>million cu. ft.</i>) ..	—	7,807	9,225	6,847	10,894	8,682
Argentina—						
Crude petroleum ..	2,773,100	2,965,759	3,542,521	3,586,421	3,655,060	4,344,243
Motor spirit ..	32,000	39,903	47,745	47,720	63,979	47,297
Kerosine ..	(a)	25,861	9,055	20,133	158,645	127,776
Gas oil ..	(a)	71,317	86,009	211,073	381,824	336,781
Fuel oil ..	2,705,977	2,927,129	2,046,758	2,038,995	2,535,897	3,283,931
Diesel oil ..	45,077	96,655	150,692	106,435	148,977	191,793
Lubricating oil ..	41,325	49,741	64,067	40,600	38,590	76,750
Bolivia—						
Crude petroleum, etc. ..	68,519	83,558	71,423	10,619	8,207	(a)
Aviation spirit ..	5,754	4,384	7,000	11,969	6,089	(a)
Motor spirit ..	8,140	6,664	18,576	29,006	17,329	(a)
Kerosine ..	309	283	5,964	2,213	2,580	(a)
Lubricating oil and grease ..	4,968	4,606	4,006	2,780	3,587	(a)
Paraffin wax ..	2,003	1,223	1,042	1,598	1,788	(a)
Tar, pitch, etc. ..	415	1,510	88	116	50	(a)

(a) Information not available.

(b) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Brazil (total imports)—						
Crude petroleum ..	19,294	17,470	29,903	140,150	3,457,572	4,811,892
Aviation spirit ..	177,585	186,566	194,974	214,420	224,442	261,368
Motor spirit ..	1,767,273	2,182,130	2,196,099	2,369,613	927,369	461,453
White spirit ..	(a)	(a)	15,972	25,529	14,403	2,506
Kerosine ..	276,101	347,293	401,647	529,975	537,852	589,541
Diesol oil ..	669,822	856,493	1,026,709	1,209,787	1,047,417	1,204,269
Fuel oil ..	2,037,006	2,274,067	1,412,125	2,000,715	2,156,839	1,753,857
Lubricating oil ..	180,534	146,201	159,634	205,164	195,931	190,266
Transformer oil ..	5,684	1,772	873	2,664	771	1,077
Petroleum jelly ..	2,606	510	225	2,863	1,043	1,329
Greases ..	813	594	149	379	177	39
Paraffin wax ..	10,468	6,468	4,120	15,117	7,029	10,242
Asphalt and bitumen ..	81,348	26,295	24,491	34,947	3,761	1,750
Chile—						
Aviation spirit ..	5,377	3,143	15,573	14,875	37,200	(a)
Motor spirit ..	241,756	263,747	265,682	312,830	252,800	(a)
Kerosine ..	55,070	64,251	73,268	136,500	152,300	(a)
Diesol oil ..	130,335	101,333	116,571	206,700	171,300	(a)
Fuel oil ..	781,000	(a)	(a)	(a)	(a)	(a)
Residual fuel oil ..	890,566	666,037	788,010	902,500	1,032,500	(a)
Lubricating oil ..	32,174	26,477	22,657	25,340	31,977	(a)
Petroleum jelly ..	304	270	874	45	105	(a)
Greases ..	1,639	1,432	927	878	1,082	(a)
Paraffin wax ..	7,947	8,726	6,033	6,360	5,024	(a)
Asphalt, natural ..	3,337	777	1,141	355	606	(a)
Colombia (total imports)—						
Aviation spirit ..	38,746	43,044	49,015	55,840	38,472	31,064
Motor spirit ..	161,164	193,414	303,121	371,160	267,813	256,019
Kerosine ..	25,097	34,928	58,963	95,281	62,395	54,796
Gas oil and diesol oil ..	15,882	10,469	15,038	74,286	65,324	47,663
Fuel oils ..	37,227	44,707	56,847	11,093	12,089	11,633
Lubricating oil ..	11,656	16,518	15,100	25,430	28,911	28,916
Petroleum jelly ..	241	289	297	407	432	343
Paraffin wax ..	11,319	16,051	21,986	23,387	23,733	22,050
Asphalt, natural ..	145	3,276	8,802	11,288	5,069	3,723
Dutch Guiana—						
Motor spirit ..	6,356	7,229	7,775	8,117	9,097	10,669
Kerosine ..	2,442	2,613	3,205	3,162	3,605	4,126
Gas oil ..	3,778	5,102	3,908	7,948	5,857	7,938
Diesol oil ..	13,279	14,946	17,569	17,111	18,694	19,834
Fuel oil ..	54,597	53,899	68,219	68,767	61,342	66,757
Lubricating oil ..	1,139	1,341	1,102	1,480	1,241	1,606
Greases ..	51	197	205	165	269	307
Paraffin wax ..	6	7	6	5	6	5
Asphalt ..	674	1,058	1,417	929	970	2,657
Ecuador—						
Aviation spirit ..	(a)	(a)	(a)	7,863	(a)	(a)
Motor spirit ..	10,100	19,461	16,109	20,323	1,382	74,098
Lubricating oil and greases ..	2,057	2,722	2,013	4,760	3,938	4,118
Petroleum jelly ..	34	63	58	80	73	57
Paraffin wax ..	1,944	1,820	2,371	2,726	2,359	2,686
Natural asphalt ..	2,050	2,138	1,108	4,316	4,945	9,227
French Guiana—						
Motor spirit ..	3,799	5,205	4,162	6,204	6,131	2,149
Kerosine ..		—	—			733
Fuel oil, etc. ..		—	—			2,299

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Paraguay—						
Motor spirit	9,500	18,800	(a)	(a)	(a)	29,000
Kerosine	3,200	6,000	(a)	(a)	(a)	10,000
Fuel oil, etc.	2,300	5,500	(a)	(a)	(a)	11,000
Lubricating oil	600	1,800	(a)	(a)	(a)	1,700
Peru—						
Aviation spirit	50,784	29,493	29,901	44,859	52,080	63,386
Kerosine	—	16	7	—	407	—
Lubricating oil	8,456	10,315	10,768	13,018	12,352	16,274
Petroleum jelly	109	74	91	86	105	75
Paraffin wax	1,917	4,193	4,099	4,460	5,320	5,252
Asphalt and bitumen	21	16	11	23	200	207
Greases	635	704	727	813	960	1,109
Ozokerite	10	1	1	6	2	4
Uruguay—						
Crude petroleum	878,104	1,040,000	1,185,000	1,274,981	878,372	1,020,240
Motor spirit, etc.	18,800	21,100	6,600	3,700	30,000	8,000
Kerosine	—	1,500	—	(a)	56,000	17,000
Gas oil	—	16	3,341	9,200	5,000	60,000
Diesel oil	3,440	32,400	11,900	19,600	14,000	27,000
Fuel oil	38,717	132,200	21,000	29,300	74,000	227,000
Lubricating oil and greases	15,452	11,581	10,306	16,689	10,726	7,926
Paraffin wax	—	83	470	(a)	(a)	(a)
Venezuela (total imports)						
Motor spirit	40,607	36,550	55,003	58,483	62,862	38,006
White spirit	7	72	25	5,235	27	17
Gas oil	—	1	—	16,619	—	1
Fuel oil	1	2	6	6,002	26	57
Lubricating oil and grease	44,601	42,457	39,554	47,757	48,230	57,895
Paraffin wax	4,558	5,146	4,045	3,630	2,835	3,835
Petroleum jelly	157	114	2,925	170	121	148
Asphalt, bitumen, etc.	(a)	15,523	694	1,845	2,398	786
Burma (total imports)—						
Motor spirit	(a)	(a)	49,450	7,605	75,270	82,258
Kerosine	(a)	(a)	12,475	5,202	17,737	23,817
Gas and diesel oils	(a)	(a)	49,452	6,313	44,731	57,575
Lubricating oil	(a)	(a)	8,331	8,681	10,148	17,477
Greases	(a)	(a)	245	414	(a)	(a)
Paraffin wax	(a)	(a)	4,445	864	200	(a)
Asphalt	(a)	(a)	8,695	8,311	5,170	9,881
Formosa—						
Motor spirit	14,417	6,870	46,312	25,768	1,346	3,101
Fuel oil (incl. crude)	80,938	(a)	281,798	148,607	750,029	481,599
Lubricating oil	5,528	9,398	5,921	8,456	12,985	10,699
Grease	348	587	199	467	276	510
Petroleum jelly	(a)	161	50	58	34	141
Paraffin wax	451	1,497	636	1,685	660	1,371
Asphalt	111	568	650	377	585	158
Indo-China—						
Aviation spirit	11,900	20,304	27,487	46,752	(a)	(a)
Motor spirit	74,174	105,193	124,764	115,646	(a)	(a)
White spirit	1,676	1,627	387	192	(a)	(a)
Kerosine	26,549	37,311	41,453	48,077	(a)	(a)
Gas oil	9,982	13,771	17,795	22,198	(a)	(a)
Fuel oil	45,541	75,873	122,909	145,768	(a)	(a)
Lubricating oil	4,496	9,674	9,440	9,890	(a)	(a)
Grease	288	568	491	448	(a)	(a)
Petroleum jelly	116	108	209	119	(a)	(a)
Asphalt and bitumen	12,015	20,792	16,731	15,565	(a)	(a)

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Indonesia—						
Crude petroleum ..	1,471,762	2,175,907	2,242,607	2,097,393	1,247,019	2,523,967
Motor spirit ..	31,520	1,462	12,234	7,337	104,616	116,351
Kerosine ..	775	6,405	8,175	1,052	145	4,876
Fuel and gas oils ..	1,513	17,850	13,105	2,756	9,735	24,960
Lubricating oil ..	28,724	40,419	35,970	33,832	48,021	43,865
Paraffin wax ..	84	135	127	426	618	555
Petroleum jelly ..	697	923	1,255	981	1,794	1,212
Asphalt ..	1,033	26,834	24,306	11,942	16,269	29,413
Iran (b)—						
Motor spirit ..	149	—	—	—	(a)	(a)
Kerosine ..	3,181	15	—	—	(a)	(a)
Fuel oil ..	405	46	157	453	(a)	(a)
Lubricating oil ..	5,579	4,037	7,086	4,348	(a)	(a)
Paraffin wax ..	467	433	707	650	(a)	(a)
Petroleum jelly ..	276	123	195	261	(a)	(a)
Iraq—						
Crude petroleum (c) ..	106,917	11,607	—	1,245	(a)	(a)
Motor spirit ..	28,087	4,228	703	901	313	(a)
Kerosine ..	27,150	219	465	783	338	(a)
Lubricating oil ..	12,743	19,190	13,122	11,929	16,977	(a)
Greases ..	207	629	175	129	331	(a)
Asphalt and bitumen ..	190	4,509	16,022	2,448	55	(a)
Israel—						
Aviation spirit ..	16,198	10,777	3,038	3,389	(a)	(a)
Motor spirit ..	50,000	25,770	162,575	168,401	193,692	216,796
Kerosine ..	14,200	30,637	132,433	130,967	134,246	161,651
Gas, diesel and fuel oils						
(d) ..	781,508	1,027,398	673,030	755,139	861,524	896,327
Lubricating oils ..	12,049	8,647	6,361	5,913	7,345	8,132
Paraffin wax ..	777	430	522	1,355	508	982
Petroleum jelly ..	167	228	—	—	16	30
Asphalt ..	4,702	1,236	730	514	615	396
Turpentine substitute ..	459	90	252	161	314	141
Japan—						
Crude petroleum ..	2,442,003	3,581,861	4,995,017	6,250,190	7,164,330	9,799,426
Aviation spirit ..	3,400	—	58,289	29,020	65,866	73,295
Motor spirit ..	31,183	101,809	212,141	281,613	180,656	32,920
Kerosine ..	41	59	3,273	21,937	31,125	2,803
Gas oil ..	129,576	19,904	79,971	68,688	186,427	90,328
Fuel oil ..	890,594	1,017,985	2,547,581	2,265,661	2,840,658	2,578,778
Lubricating oil ..	7,214	28,201	31,549	38,469	62,321	42,460
Grease ..	591	1,318	1,396	1,315	973	1,372
Petroleum jelly ..	2,451	569	1,528	1,725	1,354	3,068
Paraffin wax ..	5,573	4,073	2,165	656	820	1,730
Gilsonite ..	1,345	545	1,304	1,651	1,260	1,666
Asphalt and pitch ..	199	1,020	1,467	505	886	1,277
Petroleum coke ..	238,976	284,225	191,613	112,153	123,970	217,012
Jordan—						
Motor spirit ..	(a)	(a)	21,357	24,539	29,533	35,156
Kerosine ..			23,299	25,037	32,006	39,732
Fuel oil, etc. ..			22,709	23,851	34,562	45,021
Lubricating oil ..			1,529	1,465	2,541	2,471
Lebanon—						
Crude petroleum ..	568,510	549,031	535,872	537,048	899,703	985,937
Motor spirit ..	82,570	94,780	104,439	116,309	118,428	114,334
Kerosine ..	25,190	34,05C	36,487	35,546	37,133	41,725
Fuel oil ..	128,140	134,280	(a)	177,815	239,692	279,765
Lubricating oil ..	(a)	(a)	(a)	4,521	5,223	4,893

(a) Information not available.

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

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

(d) As recorded in official trade returns. Probably includes crude petroleum.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Philippine Republic—						
Aviation spirit	20,442	20,921	19,353	19,614	21,453	29,388
Motor spirit	377,080	457,081	438,968	439,946	348,980	364,423
Kerosine	127,580	135,726	142,560	147,710	131,717	158,155
Diesel oils	309,103	319,762	311,049	378,589	610,230	294,281
Fuel oil	276,222	346,728	354,522	495,962	329,311	353,689
Lubricating oils	54,011	39,261	30,957	40,558	43,518	40,023
Grease	3,791	2,320	2,119	2,625	2,143	9,524
Petroleum jelly	2,884	423	707	2,004	6,400	1,120
Paraffin wax	5,013	3,402	4,752	4,957	5,883	3,190
Asphalt	5,586	10,282	32,337	3,418	24,818	12,392
Portuguese India—						
Motor spirit	3,733	4,756	9,000	6,613	(a)	(a)
Kerosine	2,919	3,811	4,000	5,093	(a)	(a)
Lubricating oils	259	545	1,000	489	(a)	(a)
Other oils	1,825	4,622		5,350	(a)	(a)
Siam (total imports)—						
Motor spirit	111,992	(a)	147,859	58,195	172,902	273,746
Kerosine	52,801	(a)	75,031	4,707	79,293	95,095
Gas, diesel, fuel oils	(a)	(a)	243,622	39,705	177,914	416,854
Lubricating oil	(a)	(a)	(a)	18,963	25,001	26,472
Syria—						
Motor spirit	68,108	78,284	81,716	91,131	81,941	97,304
Kerosine	46,998	47,131	50,015	56,124	55,480	64,177
Fuel oil and diesel oil	121,219	217,963	255,562	322,999	354,396	429,586
Lubricating oil	6,573	5,445	7,088	7,221	10,707	9,716
Natural asphalt	3,997	1,870	849	984	(a)	(a)
Turkey—						
Motor spirit	241,227	276,246	324,189	298,603	288,105	222,107
Kerosine	168,315	199,326	224,504	235,688	229,605	201,605
Gas and diesel oils	148,846	215,474	297,707	315,030	348,698	295,992
Fuel oil	48,781	58,731	33,228	27,793	24,359	27,036
Lubricating oils	34,906	44,472	57,453	52,440	50,790	43,288
Paraffin wax and petroleum jelly	1,724	762	825	1,518	1,438	559
Asphalt	7,717	9,674	5,886	16,387	9,766	136
French Oceania—						
Motor spirit	7,156	3,139	2,597	9,006	3,453	2,948
Kerosine		1,578	1,169		1,280	1,630
Other oils		4,662	4,582		5,806	5,948
New Caledonia—						
Motor spirit	6,795	8,266	9,685	8,544	10,331	11,850
Kerosine	2,040	2,291	2,185	2,496	2,684	3,095
Gas and fuel oils	6,364	5,615	6,094	7,735	14,347	21,829
Lubricating oil, etc.	46	827	628	893	857	1,160

(a) Information not available.

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

Producing Country	Estimated Tribasic Phosphate of Lime Content or equivalent.											
	1951	1952	1953	1954	1955	1956	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES												
Seychelles (b) (c) ..	4,404	10,944	8,719	11,676	785	4,123	(a)	(a)	(a)	(a)	(a)	(a)
Somaliland Protectorate							260	210	140	—	90	74
(b) (c) ..	680	521	358	—	239	196	(a)	(a)	(a)	(a)	(a)	(a)
South West Africa (b)	772	1,648	1,579	811	1,736	—	240	90	50	30	50	2
Tanganyika (e)	452	166	98	60	103	3	(a)	(a)	2,700	1,500	1,600	1,500
Uganda (apatite) ..	2,207	4,931	5,363	2,867	3,160	2,914	28,200	33,300	27,600	32,600	59,000	71,000
Union of South Africa	80,548	95,044	78,860	93,008	133,721	154,316	(a)	(a)	—	(a)	(a)	(a)
Canada ..	5	(a)	707	714	477	—	283,000	297,000	238,000	298,000	332,000	290,000
Jamaica (e)	333,343	349,158	280,192	350,960	390,226	340,611	(a)	(a)	(a)	(a)	(a)	(a)
Christmas Island (c)	416	445	4,359	2,292	5,562	8,785	(a)	(a)	(a)	(a)	(a)	(a)
India (apatite) ..	649	696	632	620	402	385	(a)	(a)	(a)	(a)	(a)	(a)
Sarawak (guano) ..	7,929	5,544	3,368	6,120	6,371	6,788	(a)	(a)	(a)	(a)	(a)	(a)
Australia ..	928,050	1,145,650	1,159,750	1,178,150	1,401,250	1,332,600	798,000	986,000	998,000	1,013,000	1,205,000	1,146,000
Nauru Island (c) ..	252,400	275,600	282,362	292,200	308,850	297,150	217,000	238,000	243,000	251,000	266,000	255,000
Ocean Island (c) ..												
TOTAL	1,611,000	1,890,000	1,830,000	1,939,000	2,253,000	2,148,000						
FOREIGN COUNTRIES												
Belgium (f)	119,872	85,885	54,958	34,716	19,290	13,414	(a)	(a)	(a)	(a)	(a)	(a)
France (f) ..	110,502	100,136	86,000	116,510	100,872	(a)	47,700	(a)	20,500	14,000	12,000	(a)
Spain ..	22,469	23,103	21,516	21,873	23,060	11,185	14,600	15,000	14,000	14,000	15,000	7,300
Sweden (apatite) ..	8,871	21,084	8,634	—	—	—	2,856	10,497	3,804	—	—	—
U.S.S.R. (d)	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	2,750,000	1,760,000	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.					
	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
Algeria (cont.)	764,300	691,491	608,950	746,000	740,000	596,000
Egypt	492,956	518,878	476,480	526,235	636,466	605,000
French West Africa (c)	797	21,060	45,096	5,400	5,400	5,200
Madagascar	(a)	1,284	1,531	1,321	1,827	3,207
Morocco	4,612,300	3,890,700	4,090,366	4,940,200	5,244,693	5,434,608
Tunis	1,652,400	2,228,890	1,691,388	1,794,503	2,165,987	2,014,021
Netherlands West Indies	105,214	99,547	88,644	b 123,939	b 92,725	b 101,200
United States	10,775,032	11,400,000	12,503,830	13,821,100	12,265,248	c 15,000,000
Brazil (d)	12,500	12,500	12,500	15,000	15,000	123,000
Chile (apatite)	36,595	45,044	58,241	41,177	51,504	58,125
China (d)	20,000	20,000	26,000	36,980	40,000	24,300
Israel	(a)	(a)	22,735	56,572	70,705	115,295
Japan	141	(c) 25,000	40,000	73,666	161,014	(a)
Jordan	(c) 10,000	82,580	96,845	93,846	76,882	205,263
Angaur Island	b 142,161	263,000	271,500	290,000	221,000	280,000
French Oceania (Makatea)	248,000					
TOTAL	21,910,000	22,240,000	22,900,000	25,490,000	24,680,000	27,470,000
World's TOTAL	23,520,000	24,130,000	24,730,000	27,430,000	26,930,000	29,620,000

(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):—1951—24,113; 1952—42,469; 1953—51,598; 1954—72,000; 1955—102,802; 1956—67,100.

PRODUCTION OF SUPERPHOSPHATES†

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom	782,058	770,547	1,007,762	873,068	870,541	940,872
Union of South Africa* ..	399,302	424,859	511,246	496,118	545,811	557,126
Canada	(e) 210,000	(e) 205,000	179,962	194,858	184,286	179,358
India	61,018	46,650	47,674	102,631	71,916	81,168
Australia (c)	1,547,823	1,597,080	1,581,001	1,771,277	1,956,735	1,916,237
New Zealand (d)	565,803	598,899	680,497	878,700	947,002	871,800
Irish Republic	160,199	121,121	169,210	170,144	166,535	137,500
FOREIGN COUNTRIES						
Belgium	394,946	218,768	157,572	276,012	222,986	263,823
Czechoslovakia*	(e) 230,000	(a)	(a)	(a)	(a)	(a)
Denmark	431,550	400,910	433,393	422,470	350,971	344,192
Finland (b)	235,914	278,776	304,300	289,717	256,010	325,043
France	1,243,360	846,262	916,800	1,053,700	1,055,900	1,068,800
Germany	650,000	(g) 564,732	(g) 501,222	(g) 434,851	(g) 349,145	(g) 413,506
Greece*	152,308	128,025	117,033	197,309	222,007	169,280
Hungary	137,061	121,151	161,225	166,091	155,745	147,418
Italy	1,579,029	1,614,060	1,781,166	1,988,750	1,944,556	1,871,610
Netherlands	863,544	394,607	574,900	689,314	689,911	652,802
Norway	74,256	76,481	90,640	121,595	91,489	107,775
Poland	(e) 270,000	(e) 250,000	418,600	487,700	530,800	(a)
Portugal	390,998	349,032	372,533	363,525	392,469	404,871
Roumania	9,100	17,800	18,300	(a)	(a)	(a)
Spain	1,094,646	1,245,316	1,271,472	1,433,428	1,440,899	1,476,782
Sweden	494,281	490,062	517,398	574,865	595,093	565,958
Switzerland	15,800	12,900	9,400	9,488	15,600	16,239
U.S.S.R. (e)	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Yugoslavia (e)	30,000	30,000	30,000	30,000	30,000	30,000
Canary Islands	15,956	22,000	22,404	20,786	21,942	(a)
Egypt	87,088	104,160	95,393	148,067	134,886	(a)
Algeria	108,072	100,033	92,797	129,029	116,473	78,280
Morocco (Southern)	82,700	77,400	75,800	94,428	89,000	(a)
Tunis	53,199	51,890	29,674	96,321	116,695	78,149
Cuba*	30,000	27,000	26,000	30,000	30,000	30,000
Mexico*	21,000	57,600	75,000	64,993	64,600	76,031
United States*	9,497,770	10,869,735	10,652,093	10,573,051	11,460,810	11,118,025
Argentina*	5,000	5,000	5,000	5,000	5,000	5,000
Brazil*	71,000	(e) 72,000	(e) 72,000	(e) 72,000	(e) 75,000	(e) 75,000
Colombia*	2,000	2,000	2,000	2,000	2,000	2,000
Uruguay*	4,000	4,000	4,000	17,000	25,600	29,500
Formosa	53,296	61,084	68,053	76,816	78,922	99,123
Israel*	11,283	24,051	34,411	75,353	99,694	115,000
Japan	1,481,813	1,333,899	1,490,541	1,824,234	1,921,187	2,213,319
Turkey	18,518	20,899	21,653	20,252	17,901	10,028
WORLD'S TOTAL	26,485,000	26,800,000	27,300,000	29,400,000	30,600,000	31,000,000

†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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain (b) ..	622,195	466,805	600,782	540,833	483,300	615,392
FOREIGN COUNTRIES						
France	1,287,372	1,435,397	1,297,230	1,376,912	1,679,445	1,553,000
Germany (Federal) ..	1,442,000	1,780,000	1,613,000	1,796,000	2,324,000	2,463,000
Italy	(a)	32,398	42,693	56,365	63,200	54,895
Luxemburg	597,000	565,581	507,400	551,933	673,136	732,690
Saar	401,081	425,668	399,492	440,627	503,933	532,162
Sweden	14,275	11,364	14,048	14,103	18,249	(a)

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

(a) Information not available.

(b) Years ended June 30 of that stated.

EXPORTS OF PHOSPHATES, Etc.
(Domestic Produce)
(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Phosphatic fertilizers ..	2,284	1,663	3,604	2,769	2,612	1,111
Seychelles—						
Phosphatic guano ..	4,404	10,944	8,719	11,676	785	4,123
Somaliland Protectorate—						
Phosphatic guano ..	680	521	358	—	239	196
South West Africa—						
Phosphatic guano ..	772	1,633	1,579	582	1,471	—
Uganda—						
Phosphates ..	2,207	4,931	5,363	2,867	3,105	2,399
Union of South Africa—						
Superphosphates ..	21,729	32,172	36,770	36,058	(a)	(a)
Canada—						
Phosphatic fertilizer ..	127,276	134,148	157,986	171,503	(£6,330,387)	(£5,639,337)
Christmas Island (b)—						
Phosphate-rock ..	333,343	349,158	280,192	350,960	390,226	340,611
Hong Kong (c)—						
Superphosphates, basic slag, etc. ..	(a)	(a)	2,044	—	—	—
Malaya (c)—						
Phosphatic fertilizers ..	94	249	114	116	32	12
Australia (d)—						
Superphosphates ..	1,060	990	1,298	1,605	2,137	1,727
New Zealand—						
Superphosphates ..	2	5	5	18	37	48
Nauru Island—						
Phosphate-rock ..	928,050	1,145,650	1,159,750	1,178,150	1,401,250	1,332,600
Ocean Island—						
Phosphate-rock ..	252,400	275,600	282,362	292,200	308,850	297,150
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Phosphate-rock ..	6,579	35,279	2,546	7,003	71	880
Superphosphates ..	323,484	183,851	137,343	136,759	97,205	121,871
Di-calcium phosphate ..	80,210	67,729	101,336	107,143	133,560	135,894
Basic slag ..	1,094,598	938,073	961,838	1,081,764	1,184,450	1,331,408
Denmark—						
Superphosphates ..	7,928	46	81	—	—	—
France—						
Phosphate-rock ..	2,816	2,744	849	314	1,353	36
Superphosphates ..	122,842	61,151	25,331	21,705	22,019	15,603
Basic slag ..	235,241	297,527	295,457	281,485	301,841	283,239
Di-calcium phosphates ..	833	262	4,211	4,093	824	932
Germany (Federal)—						
Phosphate-rock ..	3,445	—	—	—	1	—
Superphosphates ..	16,491	18,375	28,967	21,005	11,142	16,308
Basic slag ..	—	103	45,308	44,612	121,009	92,497
Italy—						
Superphosphates ..	15,840	105,238	75,717	108,352	70,507	92,463
Netherlands—						
Superphosphates ..	464,120	377,725	267,471	278,419	305,535	319,782
Basic slag ..	—	—	—	63	3	—
Portugal—						
Superphosphates ..	52,236	17,627	16,189	21,428	12,958	21,676
Spain—						
Superphosphates, etc.	88,439	24,917	23,982	241	234	145

(a) Information not available.

(b) Including exports to Federation of Malaya.

(c) Including re-exports.

(d) Years ended June 30 of that stated.

EXPORTS OF PHOSPHATES, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Sweden—						
Basic slag	—	2,461	—	10,296	9,767	21,404
U.S.S.R.—						
Apatite	(c)	(c)	(c)	(c)	(c)	(c)
Other phosphate-rock						
Algeria—						
Phosphate-rock ..	684,414	592,279	530,277	676,673	711,706	569,477
Superphosphates ..	18,423	7,781	16,743	9,367	4,742	6,096
Egypt—						
Phosphate-rock ..	369,260	416,128	373,128	388,839	414,304	(a)
French West Africa—						
Phosphate rock ..	—	5,383	17,745	14,980	12,942	9,350
Aluminium phosphates	30,215	38,266	45,618	57,736	74,111	63,481
Morocco (Southern)—						
Phosphate-rock ..	4,379,922	3,816,654	4,047,968	4,867,312	5,167,722	5,472,338
Tunis—						
Phosphate-rock ..	2,065,586	1,725,117	1,480,051	1,895,133	1,888,283	1,747,733
Hyperphosphates ..	127,904	108,587	82,245	22,558	42,897	100,887
Superphosphates ..	7,516	(a)	11,268	53,418	61,236	71,650
Netherlands West Indies—						
Phosphate-rock ..	106,895	107,140	94,518	118,923	92,725	101,206
United States—						
Phosphate-rock ..	1,726,979	1,429,284	2,100,798	2,385,013	2,267,741	2,880,485
Superphosphates (b)	266,689	259,091	250,738	390,834	372,706	494,025
Angaur Island—						
Phosphate-rock ..	142,161	82,580	96,845	93,846	76,882	(a)
French Oceania (Makatea)—						
Phosphate-rock ..	224,259	210,182	246,555	225,280	222,608	260,742
Japan—						
Superphosphates ..	535	39,368	83,668	143,887	206,001	320,263
Jordan—						
Phosphate-rock ..	6,150	24,547	38,384	42,808	148,242	154,529

(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):

	1951	1952	1953	1954	1955	1956
Belgium	—	17,784	53,224	43,041	41,886	49,793
Germany (Federal) ..	—	—	—	—	76,250	70,569
Netherlands	—	17,518	58,149	44,288	80,537	68,063
Norway	19,723	19,924	15,228	15,175	26,813	(a)
Sweden	48,202	27,684	27,988	21,769	5,418	32,184
Denmark	—	5,005	5,816	19,708	9,812	(a)

IMPORTS OF PHOSPHATES, Etc.
(Less Re-exports)
(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Phosphate-rock	1,030,083	962,688	1,078,635	1,110,294	1,132,274	1,181,894
Guano, raw	3,095	1,262	780	1	613	—
Superphosphates	294,457	34,995	17,651	1,565	1,901	2,905
Basic slag	171,190	68,321	137,324	45,588	79,057	91,673
Kenya—						
Superphosphates, basic slag, etc.	7,202	8,805	10,841	7,776	20,954	10,316
Mauritius—						
Phosphatic guano	2,921	2,331	2,326	4,744	2,425	5,271
Superphosphates, basic slag, etc.	256	472	192	258	167	767
Nigeria—						
Phosphate-rock	(a)	(a)	(a)	1,362	238	487
Superphosphates	(a)	(a)	(a)	118	112	117
Other phosphatic fertilizers	(a)	(a)	(a)	80	1,401	897
Southern Rhodesia—						
Superphosphates	46,404	33,781	42,306	(b) 49,980	(b) 52,729	(b) 41,178
South West Africa—						
Superphosphates	831	929	658	564	(c)	(c)
Tanganyika—						
Superphosphates, basic slag, etc.	1,383	663	269	1,116	545	1,433
Uganda—						
Superphosphates, basic slag, etc.	39	22	25	8	446	648
Union of South Africa—						
Phosphate-rock	366,831	375,477	253,570	344,852	(d) 352,935	(d) 471,712
Phosphatic guano	1,492	1,436	1,954	1,776	(a)	(a)
Superphosphates	—	3	13	318	(d) 40,792	(d) 34,947
Basic slag	—	—	15,461	24,440	(d) 30,536	(d) 20,862
Canada—						
Phosphate-rock	446,170	420,458	514,732	575,768	525,186	560,400
Superphosphates, triple do., other	167,779	192,219	182,668	{ 17,769	31,539	34,364
Basic slag	1,893	—	893	{ 160,942	157,092	164,278
Other phosphatic fertilizers	(a)	(a)	(a)	{ 1,410	—	1,000
British West Indies—						
Jamaica—						
Phosphatic fertilizers	1,219	431	188	444	1,043	714
St. Vincent—						
Superphosphates	116	161	156	12	120	67
Trinidad and Tobago—						
Superphosphates	1,315	809	598	588	1,610	1,734
Basic slag	—	25	—	24	19	20
British Guiana—						
Superphosphates, basic slag, etc.	1,070	668	859	3,042	3,971	4,732
Ceylon—						
Phosphate-rock	38,346	26,171	31,271	43,626	28,290	37,973
Superphosphates	474	892	1,749	2,344	2,961	3,443
Basic slag	124	183	188	129	45	168
Other phosphatic fertilizers	(a)	(a)	(a)	(a)	14,483	15,929
Cyprus—						
Superphosphates, basic slag, etc.	24,805	20,853	26,006	31,007	19,820	38,567

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) Included with Union of South Africa.

(d) Includes South West Africa.

IMPORTS OF PHOSPHATES, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Hong Kong (total imports)—						
Superphosphates, basic slag, etc.	30	29	2,067	161	177	357
India—						
Phosphate-rock	45,070	23,325	21,967	71,380	{ (c)30,326 (d)33,657	45,874
Other phosphates . . . . .							9,800
Superphosphates	2,965	1,034	7,873	1	574	260
Ammonium phosphate	—	1,350	300	—	300	—
Malaya (total imports)—						
Phosphate-rock	6,689	—	—	50	—	1,000
Phosphatic fertilizers	1,371	1,376	1,296	3,074	3,790	6,437
North Borneo—						
Phosphate-rock	(a)	(a)	(a)	104	84	284
Superphosphates	(a)	(a)	(a)	11	23	5
Pakistan—						
Superphosphates	(b) 155	(b) 62	(b) —	(b) —	(b) —	38
Sarawak—						
Natural phosphates	(a)	(a)	(a)	175	41	5
Phosphatic fertilizers	(a)	(a)	(a)	2,600	1,592	787
Australia—						
Phosphate-rock	1,050,462	1,094,977	1,181,709	1,160,397	1,250,929	1,331,636
Superphosphates	2,017	17	—	—	—	—
New Zealand—						
Phosphate-rock	397,190	653,933	442,122	518,306	573,568	587,778
Phosphatic guano	—	13,236	—	9,897	—	—
Superphosphates	1	477	176	3,382	7,517	3,317
Basic slag	69,190	47,101	36,998	87,555	65,743	60,193
Other phosphates	55,938	21,762	15,169	11,984	114	19
Irish Republic—						
Phosphate-rock	136,394	98,985	118,959	121,281	107,300	114,173
Superphosphates	93,078	31,453	12,236	29,979	63,631	56,744
Basic slag	33,279	28,297	35,718	32,096	48,924	48,348
Other phosphatic fertilizers	(a)	173	3,581	4,180	6,392	563
FOREIGN COUNTRIES						
Austria—						
Phosphate-rock	315	79	438	24,218	57,217	20,507
Superphosphates	79,939	91,597	70,912	113,558	73,945	109,488
Basic slag	142,749	112,886	98,927	153,840	131,836	154,274
Belgium-Luxemburg						
E. U.—						
Phosphate-rock	450,827	349,089	325,270	426,733	387,523	444,246
Superphosphates	5	—	12	46	—	46
Di-calcium phosphates	220	165	69	146	29	3
Basic slag	1,287	9,260	10,040	213	154	68
Denmark—						
Phosphate-rock	244,376	243,333	241,555	271,494	237,303	279,086
Superphosphates	49,432	66,831	96,662	67,234	38,195	109,734
Basic slag	—	—	—	1,274	4,228	5,563
Finland—						
Phosphate-rock	302,360	253,218	141,870	187,880	152,310	180,878
Superphosphates	42,527	19,684	1,322	38,082	53,059	19,643
Basic slag	—	—	—	—	4,194	18,702
Di-calcium phosphates	6,965	5,147	5,855	9,337	10,261	11,723

(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
France—						
Phosphate-rock ..	1,321,058	906,716	1,033,856	1,342,223	1,450,048	1,437,004
Superphosphates ..	196	146	5,110	18,256	29,626	46,831
Basic slag ..	59	—	15	1,185	83,624	275,208
Di-calcium phosphates ..	7,979	8,012	6,073	10,847	7,649	12,249
Germany (Federal)—						
Phosphate-rock, etc. ..	642,381	783,297	580,401	857,772	941,486	889,700
Superphosphates ..	—	391	748	1,225	1,142	1,978
Basic slag ..	248,235	316,183	193,808	325,391	322,013	230,250
Greece—						
Phosphate-rock ..	75,000	(a)	(a)	138,432	153,135	136,473
Hungary—						
Phosphate-rock ..	47,000	(a)	(a)	(a)	79,000	112,000
Iceland—						
Superphosphates ..	2,925	1,821	3,448	3,888	3,908	5,906
Italy—						
Phosphate-rock ..	1,104,346	953,444	1,164,201	1,260,768	1,287,086	1,445,912
Superphosphates ..	—	—	—	1	685	2
Basic slag ..	46,509	23,942	60,983	65,007	82,519	94,199
Netherlands—						
Phosphate-rock ..	589,560	425,661	438,618	553,353	520,127	508,319
Superphosphates ..	249	338	1,000	525	1,178	125
Basic slag ..	297,658	353,670	354,418	382,976	294,666	292,415
Di-calcium phosphates ..	14,799	6,948	15,364	7,668	16,340	27,697
Norway—						
Phosphate-rock ..	66,705	69,011	70,348	86,973	92,501	123,182
Superphosphates ..	65,610	39,875	45,786	15,476	14,490	—
Basic slag ..	7,745	6,409	6,239	7,343	4,881	6,182
Poland—						
Phosphate-rock ..	284,000	(a)	(a)	(a)	(a)	(a)
Portugal—						
Phosphate-rock ..	198,917	241,351	243,582	235,900	228,330	252,625
Superphosphates ..	(a)	(a)	(a)	472	6,525	—
Basic slag ..	4,671	5,788	8,266	10,296	18,862	12,379
Spain—						
Phosphate-rock ..	570,166	707,237	658,966	712,610	693,574	824,966
Superphosphates, etc. ..	—	—	—	—	10	2,921
Basic slag ..	—	—	9,627	6,923	46,901	55,397
Sweden—						
Phosphate-rock ..	424,155	308,011	303,995	354,281	307,461	344,657
Superphosphates ..	33,353	8,423	—	—	—	706
Basic slag ..	7,483	1	2	—	—	1
Switzerland—						
Phosphate-rock (b) ..	61,000	18,000	24,000	25,000	24,000	24,000
Superphosphates, etc. ..	11,768	14,111	12,694	15,949	12,835	12,112
Basic slag ..	111,563	110,045	141,259	154,908	160,315	150,643
Yugoslavia—						
Phosphate-rock ..	35,720	16,092	65,148	39,276	74,821	91,337
Superphosphates ..	(a)	(a)	—	1,411	2,140	6,855
Basic slag ..	(a)	(a)	1,290	23,033	74,091	42,620
Algeria—						
Superphosphates ..	1,202	391	2,515	4,971	8,135	5,828
Basic slag ..	3,189	3,689	2,454	3,283	3,080	1,513
Egypt—						
Superphosphates ..	33,049	66,577	1,008	—	—	(a)
Morocco (Northern)—						
Superphosphates (incl. bone meal) ..	470	859	6,025	6,946	5,281	(a)
Tunis—						
Superphosphates ..	—	(a)	9,198	4,155	49	374

(a) Information not available.

(b) Estimated on imports from producing countries.

IMPORTS OF PHOSPHATES, ETC (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba (total imports)—						
Superphosphates ..	74,437	47,521	10,121	18,095	29,272	(a)
Calcium phosphates ..	12,761	5,658	4,048	4,201	25,931	(a)
Mexico (total imports)—						
Superphosphates ..	1,237	1,060	5,013	15,965	13,348	10,408
United States—						
Phosphate-rock ..	89,823	110,371	101,171	122,016	117,256	109,891
Superphosphates ..	2,615	8,258	5,240	3,969	1,684	954
Basic slag ..	96	—	79	34	2,281	5,049
Ammonium phosphates	120,575	119,032	148,658	146,547	209,396	170,169
Brazil (total imports)—						
Phosphate-rock ..	102,190	55,429	115,426	120,649	110,533	116,894
Superphosphates ..	119,804	71,616	69,840	90,415	95,965	104,175
Basic slag ..	(a)	(a)	98	1,912	8,640	9,156
Di-calcium phosphates	(a)	(a)	1,865	4,600	3,793	5,236
Chile—						
Superphosphates ..	23	30	2,021	252	—	(a)
Di-calcium phosphates	8	324	24,968	18,249	5,883	(a)
Colombia (total imports)—						
Phosphate-rock ..	696	1,735	1,343	1,003	1,098	499
Superphosphates ..	1,422	2,823	63	2,218	7,683	15,302
Di-calcium phosphates	7,834	2,824	9,405	21,945	26,103	26,321
Peru—						
Phosphate-rock ..	—	—	—	687	2,247	—
Phosphatic fertilizers ..	69	258	449	3,238	5,930	8,662
Formosa—						
Apatite ..	(a)	—	41,524	55,252	28,981	51,835
Phosphatic fertilizers ..	(a)	351	30,018	12,696	51,190	35,235
Indo-China—						
Phosphate-rock ..	10,039	25,046	26,003	22,995	(a)	(a)
Indonesia—						
Superphosphates ..	11,901	18,773	7,439	5,958	11,059	16,250
Israel—						
Phosphate-rock ..	7,100	—	—	—	—	—
Japan—						
Phosphate-rock ..	1,037,350	962,330	1,042,770	1,361,810	1,620,459	1,659,848
Korea (b)—						
Superphosphates ..	(a)	106,068	14,951	27,363	—	—
Lebanon—						
Phosphatic fertilizers ..	5,374	5,652	4,294	8,519	7,233	19,351
Philippine Republic—						
Superphosphates ..	3,293	2,988	7,591	6,436	2,556	2,899
Ammonium phosphate	33,789	44,826	46,778	23,706	13,487	11,247
Turkey—						
Phosphate-rock ..	18,873	15,312	10,684	17,430	35,846	29,691

(a) Information not available.

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

PLATINUM
PRODUCTION OF PLATINUM METALS
(Troy ounces)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Union of South Africa—						
Crude (<i>Pt</i> metals content)	58,323	72,701	90,292	101,921	109,267	124,078
Matte (<i>Pt</i> metals content)	132,575	159,820	208,885	236,241	272,465	360,496
Osmiridium (crude) (b)	6,359	6,141	6,966	6,266	7,095	6,696
Canada—						
Recovered from Ontario nickel-copper ores (c)—						
Platinum	153,483	122,317	137,545	154,356	170,494	151,357
Other platinum metals	164,905	157,407	166,018	189,350	214,252	163,451
Australia—						
New South Wales—						
Concentrates (<i>Pt</i> content)	8	—	—	23	7	8
Tasmania—						
Osmiridium	33	51	59	16	21	25
New Zealand—						
Crude platinum	8	4	2	1	—	—
New Guinea—						
Platinum	6	7	6	19	10	8
FOREIGN COUNTRIES						
U.S.S.R.—						
Crude platinum (d)	100,000	100,000	100,000	100,000	100,000	100,000
Belgian Congo—						
Platinum	—	—	—	—	—	25
Palladium	—	—	—	—	—	135
Ethiopia—						
Crude platinum	266	100	566	230	(a)	300
United States (e)—						
Crude platinum	27,799	28,220	20,868	18,952	15,377	21,398
New platinum metals recovered by refineries from gold and copper ores of domestic origin—						
Platinum	5,017	1,969	1,199	1,375	1,810	1,466
Palladium	3,999	4,196	3,989	3,908	5,879	4,163
Iridium, osmiridium, etc.	136	24	16	—	—	—

(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):

	1951	1952	1953	1954	1955	1956
Osmium	1,774	1,639	1,823	1,978	2,003	2,189
Iridium	1,692	1,542	1,700	1,787	1,797	1,979
Ruthenium	864	774	837	896	881	956
Platinum	802	679	726	733	751	863
Rhodium	57	48	56	57	62	64

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

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

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

	1951	1952	1953	1954	1955	1956
Platinum	22,470	28,628	29,547	31,330	32,901	60,916
Palladium	27,999	25,540	30,494	31,190	26,124	37,774
Iridium	1,014	1,030	853	734	1,499	1,751
Other platinum metals	1,875	3,403	3,963	2,445	3,812	5,828

PRODUCTION OF PLATINUM METALS (cont.)

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Colombia (b)—						
Crude platinum ..	(c) 32,000	(c) 33,700	28,977	24,753	27,256	26,215
Japan—						
Platinum	245	484	987	1,347	628	483
Palladium	23	85	71	248	221	218
WORLD'S TOTAL (c)	685,000	687,000	766,000	840,000	925,000	960,000

(a) Information not available.

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

(c) Estimated.

EXPORTS OF PLATINUM*
(Domestic Produce)
(Troy ounces)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Platinum—						
Ingots, grain and powder ..	129,871	135,064	61,465	25,221	139,710	156,317
Other kinds, including alloys ..	26,156	49,968	186,217	182,562	211,728	204,900
Other platinum metals and alloys ..	202,012	184,687	203,973	183,449	271,879	285,408
Union of South Africa—						
Osmiridium ..	5,960	5,210	6,219	5,586	6,320	37,835
Crude platinum metals ..	135,784	176,362	256,208	267,645	363,025	286,770
Canada—						
Concentrates etc. (b) ..	£10,284,817	£11,182,825	(£9,486,988)	£10,120,789	(£9,564,873)	£12,867,677
Scrap ..	185	1,027	115	101	189	3,545
Hong Kong (including re-exports)—						
Platinum and platinum group metals ..	(£114,543)	(£28,511)	(£5,125)	(£161,320)	(£131,664)	(£24,095)
Australia (c)—						
Platinum and platinum group metals ..	218	655	581	529	410	765
New Zealand—						
Platinum, etc. (jewellers' sweepings) ..	66	31	—	—	—	—
Palladium ..	40	21	—	—	—	—
FOREIGN COUNTRIES						
Austria—						
Unwrought platinum and platinum metals ..	2,251	(a)	4,951	4,790	5,884	4,437
Denmark—						
Rods, sheets, wire, scrap, etc. ..	3,472	707	1,093	482	354	225
France—						
Unwrought platinum, alloys and scrap (d) ..	1,158	32	18,422	14,918	24,274	23,374
Palladium, alloys and scrap ..	1,865	—	5,048	21,123	52,213	75,136
Drawn or rolled platinum ..	836	1,029	4,630	16,397	39,385	11,896
Germany (Federal)—						
Platinum metals and alloys ..	2,986	3,153	5,858	12,884	29,518	32,350
Italy—						
Sheets, bars, dust, scrap, etc. ..	—	129	547	322	—	1,447
Netherlands—						
Unwrought platinum ..	17,458	13,150	126,063	75,908	154,645	327,359
Norway—						
Platinum incl. scrap ..	—	16	5,659	15,915	10,385	15,238
Sweden—						
Unwrought platinum ..	1,447	1,543	1,768	2,958	10,192	8,327
Switzerland—						
Unwrought platinum ..	739	1,222	1,382	3,665	1,190	4,951

*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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
U.S.S.R.	(b)	(b)	(b)	(b)	(b)	(b)
Ethiopia (c)	60	1,303	(a)	(a)	(a)	(a)
United States—						
Ores, etc. (Pt. content) ..	732	—	30	29	—	—
Ingots, sheets, wire, etc.	8,760	6,026	2,522	13,470	17,073	23,823
Palladium, rhodium, etc. and alloys	52,088	17,697	23,206	11,443	11,895	18,249
Colombia—						
Platinum	17,157	19,801	29,201	28,465	27,526	26,215

(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):

	1951	1952	1953	1954	1955	1956
United Kingdom ..	—	—	94,917	18,279	30,012	14,452
Germany (Federal) ..	—	—	—	—	12,829	13,655
Netherlands	—	—	—	10,320	160,947	157,796
United States	16,075	—	31,256	2,942	16,802	42,381

(c) Years ended September 10 of that stated.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (b)—						
Platinum—						
Ingots, grain and powder	6,963	2,006	92,407	23,507	66,517	43,916
Other kinds, including alloys	62	33	78	(c) 466	(c) 3,819	806
Other platinum metals and alloys	332	168	9,587	19,287	23,823	55,019
Union of South Africa—						
Platinum	575	734	443	366	(a)	(a)
Canada—						
Platinum, palladium and iridium	(£5,789,129)	(£6,363,745)	(£5,962,957)	(£6,509,440)	(£5,717,211)	(£7,119,845)
Hong Kong (total imports)—						
Platinum and platinum group metals	(£8,968)	(£19,362)	(£134,639)	(£137,088)	(£95,579)	(£101,784)
Malaya (total imports)—						
Unwrought platinum	(a)	(a)	74	124	315	188
Australia (d)—						
Platinum bars, rods, sheets, etc.	493	573	256	} 4,331	} 4,378	} 881
Bars, rods, sheets, etc. of other platinum metals	582	417	4,853			
Platinum metal powder	726	1,293	884			
New Zealand—						
Bars, sheets, wire, etc.	876	787	806	1,131	} 1,378	} 1,826
Palladium	315	130	246	95		
FOREIGN COUNTRIES						
Austria—						
Unwrought platinum and platinum metals	5,176	7,780	2,283	2,411	6,044	4,501
Denmark—						
Rods, sheets, wire and scrap	1,190	514	868	1,478	1,061	1,350
Finland—						
Unwrought platinum etc.	6	—	257	482	691	948
France—						
Unwrought platinum, alloys and scrap (e)	17,072	12,571	32,408	60,283	106,580	70,860
Unwrought palladium, alloys and scrap	10,931	5,691	15,497	48,419	101,146	106,580
Drawn or rolled platinum	514	419	96	225	675	450
Germany (Federal)—						
Platinum metals and alloys	57,539	45,037	54,336	76,783	147,000	103,222

*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: 1951—£5,193,010; 1952—£6,370,394; 1953—£5,331,324; 1954—£5,924,237; 1955—£5,284,797; 1956—£7,346,377.

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):

	1951	1952	1953	1954	1955	1956
Crude platinum metals	135,784	176,362	256,208	267,645	363,843	330,316
Osmiridium	5,960	5,210	6,219	5,586	6,320	37,835

(c) Excess of re-exports.

(d) Years ended June 30 of that stated.

(e) Revised.

IMPORTS OF PLATINUM (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Italy—						
Bars, dust and scrap ..	4,565	3,408	2,797	3,762	6,044	6,334
Sheets, foil and wire ..	707	1,157	193	225	1,575	3,183
Netherlands—						
Unwrought platinum ..	4,501	17,072	39,867	71,793	306,461	359,477
Norway—						
Unwrought platinum ..	1,689	1,255	813	1,853	2,817	1,640
Sheets, rolled and wire	44	569	177	665	243	322
Portugal—						
Sheets, wire, etc. ..	260	266	406	52	22	187
Palladium	—	—	—	—	—	—
Spain—						
Bars, sheets, wire, etc.	—	35	—	215	1	51
Sweden—						
Unwrought platinum ..	611	96	96	1,061	675	96
Switzerland—						
Unwrought platinum ..	2,251	11,864	9,195	13,728	10,610	27,875
Yugoslavia—						
Unwrought platinum ..	32	(a)	482	707	354	4,276
Egypt—						
Ingots, bars, sheets, etc.	7	346	312	281	305	(a)
Cuba (total imports)—						
Ingots and bars ..	1,130	187	675	289	(a)	(a)
Palladium	125	1,337	—	—	(a)	(a)
Mexico (total imports)—						
Ingots and bars ..	167	515	782	769	409	80
United States—						
Ore (b) (c)	197	1,261	1,512	2,714	407	—
Grains and nuggets (b)	34,425	27,355	45,047	43,355	40,713	34,016
Sponge and scrap (b) (c)	135,177	118,568	108,944	143,503	177,832	152,413
Ingots, bars, sheets (b) (c)	158,876	88,289	232,483	195,187	276,755	289,516
Iridium	3,144	4,718	1,643	432	271	2,323
Osmium and osmiridium	3,603	3,386	2,397	3,187	1,999	1,311
Palladium	239,151	200,502	227,080	188,839	487,174	530,686
Rhodium and ruthenium	26,724	8,739	15,625	19,365	20,744	22,543
Brazil (total imports)—						
Unwrought platinum ..	15	8,445	1,439	13,285	193	611
Palladium	(a)	1,344	—	1,688	—	32
Colombia (total imports)						
Unwrought platinum ..	81	256	227	261	752	1,897
Uruguay—						
Platinum metals ..	489	184	312	(a)	(a)	(a)
Venezuela (total imports)						
Unwrought platinum ..	(a)	5,466	(a)	—	(a)	(a)
Iraq—						
Unwrought platinum ..	(a)	3,054	1,286	547	(a)	(a)
Japan—						
Platinum and alloys ..	(a)	3,314	9,612	12,761	19,337	27,776
Palladium and alloys ..	(a)	98	2,494	7,066	10,715	15,740
Rhodium and alloys ..	(a)	31	171	227	518	760
Iridium, etc. and alloys	(a)	1	349	903	503	762
Lebanon—						
Unwrought platinum ..	220	654	1,222	1,415	2,797	2,411
Turkey—						
Sheets	193	161	64	—	—	—

(a) Information not available.

(b) Platinum content.

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

	1951	1952	1953	1954	1955	1956
Ore	498	689	840	2,714	(a)	(a)
Sponge and scrap ..	36,165	4,305	824	4,230		
Platinum metal ..	267,473	202,912	340,632	339,490		

POTASH MINERALS
PRODUCTION OF POTASH
 (Long tons)

Producing Country and Description	K ₂ O Content or Equivalent					
	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
India—Nitrate	5,212	8,384	(c) 2,777	(d) 3,000	(a)	(a)
Australia—Alumite	449	314	—	—	—	—
TOTAL (estimated) ..	2,634	4,224	1,400	1,500	—	(a)
FOREIGN COUNTRIES						
France (b)—Sylvinite, 12-22% K ₂ O } Fertilizer salts } 30-40% K ₂ O .. } Chloride } 50% K ₂ O and over }	54,553	70,748	55,422	30,773	30,691	41,000
Germany—Federal Republic—Kainite, sylvinite, etc. Eastern—Potash salts	303,583	343,869	292,216	320,441	336,546	379,000
	499,660	498,366	542,163	713,147	803,264	886,000
	1,303,000	1,529,000	1,554,000	1,905,000	1,988,000	1,934,000
	1,614,000	1,775,000	1,880,000	2,000,000	2,000,000	2,000,000

(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											
	1951	1952	1953	1954	1955	1956	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)												
Spain—												
Carnallite, sylvinite, etc.	1,042,259	1,196,437	1,228,468	1,203,155	1,262,425	1,421,426	166,490	167,371	171,037	205,186	205,705	229,041
Alumite	887	894	553	—	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
United States—												
Muriate (chloride)—												
60-62% K ₂ O (c)	1,828,387	2,203,961	2,612,855	2,708,201	2,851,728	(a)	1,268,146	1,486,708	1,707,046	1,739,929	1,843,579	1,938,914
48-50% K ₂ O	139,104	134,785	73,037	—	—	—	—	—	—	—	—	—
Fertilizer salts	17,656	7,508	4,132	—	—	—	—	—	—	—	—	—
Sulphate, etc. (b)	224,558	213,087	226,430	258,223	276,402	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Chile—												
Chloride	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Israel—												
Chloride	—	—	5,165	(a)	(a)	44,981	—	—	3,100	(a)	(a)	27,000
Japan—												
Alumite	3,827	2,573	4,202	5,775	6,066	6,245	(a)	(a)	(a)	(a)	(a)	(a)
TOTAL (d)							5,500,000	6,200,000	6,600,000	7,000,000	7,400,000	7,600,000
WORLD'S TOTAL (d)							5,500,000	6,200,000	6,600,000	7,000,000	7,400,000	7,600,000

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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Chromate and bichromate	200	454	361	490	931	(e)
Nitrate	2,364	1,314	1,309	1,198	1,007	} 558
Sulphate	68	72	75	43	81	
Other compounds	2,251	1,568	2,045	1,888	2,048	
Hong Kong (re-exports)—						
Nitrate	(a)	—	134	84	142	213
Chlorate	2,065	—	236	266	401	292
India—						
Nitrate	227	59	40	110	111	148
Malaya (including re-exports)—						
Fertilizer salts	157	575	10	7	11	28
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Fertilizer salts	42,768	31,320	80,843	6,969	8,186	1,960
Carbonate	1,657	1,534	1,786	912	1,784	2,532
Caustic potash	3,748	2,149	2,162	3,423	4,170	3,012
Chloride	380,217	302,756	488,680	474,347	530,625	662,015
Chlorates	238	297	—	—	3	—
Nitrate	1,328	379	91	119	49	21
Sulphate	123,994	125,211	162,155	169,165	192,745	189,289
Finland—						
Chlorate	1,475	531	226	417	843	378
France—						
Sylvinite, etc.	366,387	424,907	443,063	351,602	296,803	339,076
Fertilizer salts	486,276	445,468	577,628	674,029	706,907	934,004
Carbonate	7,676	4,661	5,347	6,593	7,514	7,357
Caustic potash	10,170	6,368	6,060	8,134	9,180	6,120
Chlorate	3,219	1,561	912	834	1,403	549
Nitrate	3,705	1,328	669	980	1,225	3,418
Germany (Federal)—						
Fertilizer salts	331,546	817,055	1,256,178	1,360,789	1,260,171	1,577,232
Carbonate	(d) 4,124	2,210	1,957	3,265	5,497	4,289
Caustic potash	3,165	2,712	2,131	3,911	4,130	3,227
Chlorate	(c) 207	(a)	209	150	91	159
Nitrate	1,784	2,662	5,399	5,372	7,090	6,801
Chloride	389,762	(b)	(b)	(b)	(b)	(b)
Sulphates	175,732	(b)	(b)	(b)	(b)	(b)
Germany (East)—						
Fertilizer salts (K ₂ O content)	1,210,000	1,207,100	1,300,000	(a)	(a)	(a)
Netherlands—						
Carbonate	(a)	(a)	1,350	832	227	344
Caustic potash	723	765	265	20	4	17
Chloride	920	871	470	442	983	670
Nitrate	25	14	14	12	18	51
Sulphate	539	317	300	66	67	54
Spain—						
Fertilizer salts	246,093	213,006	247,073	240,671	237,775	351,375
Chlorate	116	65	—	—	31	13

(a) Information not available.

(d) Including 'wool grease ash'.

(b) Included with fertilizer salts.

(e) Included with other compounds.

(c) January to September only.

EXPORTS OF POTASH SALTS (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Carbonate	34	—	4	8	41	47
Caustic potash	2,316	1,451	1,375	1,907	2,118	2,238
Switzerland—						
Nitrate (crude).. ..	8,686	10,658	6,801	—	5	18
United States—						
Chloride	84,245	73,310	63,467	82,802	175,884	300,721
Other fertilizer salts	13,200	11,224	11,008	16,469	22,776	48,133
Chromates	1,611	706	172	565	356	273
Caustic potash	3,578	1,767	2,089	2,150	2,396	2,853
Other compounds	8,305	3,350	2,021	2,822	3,323	2,980
Chile—						
Nitrate	52,393	47,832	41,124	63,038	66,975	(a)
Israel—						
Chloride	—	—	1,750	12,799	7,923	15,683

(a) Information not available.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Fertilizer salts	9,321	25,514	30,760	37,784	35,440	36,962
Carbonate	6,660	2,348	3,767	4,428	5,341	4,269
Caustic potash and lyes	2,553	1,781	1,793	2,421	2,499	1,340
Chlorate	794	727	741	621	1,227	1,158
Chloride	445,047	338,924	504,880	473,641	509,927	(c) 1
Nitrate	489	343	710	927	1,281	(c) 82
Sulphate	13,681	11,348	9,881	7,008	13,927	—
Other compounds	1,123	467	435	817	825	1,120
Ghana—						
Fertilizer salts	(a)	(a)	(a)	71	49	205
Kenya—						
Fertilizer salts	109	456	—	229	425	376
Mauritius—						
Fertilizer salts	1,482	5,181	3,898	5,484	5,102	5,054
Nigeria—						
Fertilizer salts	(a)	(a)	(a)	976	711	1,647
Northern Rhodesia—						
Compounds	68	33	92	(d)	(d)	(d)
Southern Rhodesia—						
Fertilizer salts	(a)	(a)	(a)	(e) 13,952	(e) 19,333	(e) 16,158
Compounds	95	56	25	(e) 172	(e) 285	(e) 201
Tanganyika—						
Fertilizer salts	146	376	350	183	247	544
Uganda—						
Fertilizer salts	46	10	13	67	138	379
Union of South Africa—						
Fertilizer salts	(c) 4	228	27	695	(a)	(a)
Nitrate	92	77	138	128	168	182
Caustic potash	410	217	150	150	301	284
Chloride	10,042	13,953	13,319	20,303	31,769	36,179
Other compounds	995	1,149	502	855	(a)	(a)
Canada—						
Fertilizer salts	1,545	1,515	1,227	17	—	18
Caustic potash	2,168	1,696	1,940	2,431	2,206	2,627
Chlorate	71	31	44	53	59	56
Crude chloride	92,650	104,925	107,833	102,936	123,654	117,226
Nitrate	634	350	539	442	554	487
Crude sulphate	10,012	7,225	11,427	11,415	12,461	14,422
Other compounds	1,436	1,473	1,421	1,473	2,059	2,475
British West Indies—						
Barbados—						
Fertilizer salts	4,396	3,714	2,040	5,539	3,160	4,375
Jamaica—						
Fertilizer salts	3,534	2,363	1,934	2,349	1,477	3,421
St. Vincent—						
Chloride	124	135	153	78	118	85
Trinidad and Tobago—						
Chloride and sulphate	1,467	1,019	1,307	2,012	2,058	1,790
British Guiana—						
Fertilizer salts	(a)	(a)	(a)	663	(a)	1,898
Ceylon—						
Kainite and sylvinite	518	100	549	640	699	500
Chloride	24,081	12,117	22,021	29,412	26,751	45,916
Nitrate of potash refuse	—	—	1	—	6	19
Sulphate	50	223	440	325	275	1,060
Hong Kong (b)—						
Nitrate	(a)	(a)	251	362	564	664
Chlorate	2,681	(a)	68	178	334	223

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
India—						
Chlorate	860	1,301	1,081	925	1,050	808
Chloride	13,654	4,162	7,308	27,807	14,026	15,927
Other compounds	2,825	2,336	1,266	10,411	7,107	7,674
Malaya (total imports)—						
Fertilizer salts	4,808	3,365	1,745	5,416	7,865	5,553
Pakistan (c)—						
Bichromate	23	7	27	46	10	22
Chlorate	213	252	313	678	1,562	203
Chloride	70	92	—	—	—	—
Other compounds	224	122	54	94	261	64
Australia (b)—						
Carbonate (d)	546	1,399	140	304	628	1,008
Caustic potash (d)	377	959	393	471	765	1,021
Chloride (d)	13,371	14,836	12,858	19,041	23,933	35,588
Nitrate (d)	713	332	174	272	297	368
Sulphate	1,241	1,140	1,610	3,198	3,481	3,487
Other compounds	366	516	123	201	429	407
New Zealand—						
Caustic potash and pearl ash	81	106	23	71	(a)	(a)
Chlorate	47	51	49	46	(a)	(a)
Chloride	13,217	21,888	26,518	33,566	30,622	32,892
Nitrate	64	50	79	29	98	87
Sulphate	1,408	2,072	2,258	2,592	2,017	2,209
Other fertilizer salts	190	226	75	278	412	414
Compounds other than fertilizer	100	106	86	88	160	249
Irish Republic—						
Fertilizer salts	—	—	—	604	613	794
Chloride	29,892	36,100	59,704	73,143	82,178	68,736
Chlorate	80	81	41	} 376	} 429	} 474
Nitrate	95	90	147			
Sulphate	538	241	461			
Other compounds	126	39	101			
FOREIGN COUNTRIES						
Austria—						
Fertilizer salts	88,257	79,443	86,627	126,503	128,571	141,112
Caustic potash	458	107	157	255	356	305
Carbonate	959	707	365	548	491	396
Chromates	66	138	105	127	117	151
Nitrate	206	160	221	341	381	274
Belgium-Luxemburg						
E.U.—						
Fertilizer salts	161,523	253,341	303,719	182,974	162,273	182,799
Carbonate	1,025	1,616	1,051	742	613	825
Caustic potash	1,142	1,038	588	209	143	605
Chlorates	4,718	297	293	672	556	641
Chloride	773,902	718,023	788,533	849,363	931,565	1,082,758
Chromates	310	133	280	287	503	342
Nitrate	124	2	1,176	1,102	1,741	1,651
Sulphate	7,249	7,449	9,110	24,348	15,639	20,315

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Years ended March 31 following that stated, up to 1955 inclusive. Excluding F.O.A. supplies.

(d) Total imports.

IMPORTS OF POTASH SALTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Fertilizer salts	228,889	356,575	329,337	282,317	277,511	343,792
Carbonate	602	376	448	501	376	398
Caustic potash	825	907	1,091	1,079	1,046	1,036
Chlorate	154	125	106	132	168	133
Chloride	523	199	224	136	109	135
Chromates	54	31	48	25	67	58
Nitrate	939	567	692	972	742	949
Sulphate	10	189	115	9	12	9
Finland—						
Fertilizer salts	72,166	98,854	89,873	87,191	94,986	109,857
Carbonate	218	165	101	245	295	289
Caustic potash	134	60	143	203	118	157
Chloride	1,973	893	1,189	1,851	3,794	1,476
Nitrate	100	100	67	99	132	43
Sulphate	2,461	1,478	3,938	4,555	8,395	6,547
France—						
Fertilizer salts	10,969	97,140	2,357	1,692	14,172	793
Caustic potash	12	15	21	18	33	43
Germany (Federal)—						
Fertilizer salts	—	20	308	291	—	3
Carbonate	26	—	118	57	5	6
Caustic potash	199	117	267	286	205	90
Chlorate	(b) 1,022	356	111	75	58	159
Nitrate	10	—	49	157	207	304
Greece—						
Carbonate	481	354	637	851	1,092	748
Caustic potash	11	61	23	26	(a)	(a)
Nitrate	123	96	43	179	(a)	(a)
Iceland—						
Fertilizer salts	1,783	1,582	2,319	2,731	3,279	2,956
Carbonate	17	13	206	8	15	11
Caustic potash	54	17	38	24	53	28
Italy—						
Fertilizer salts	34,689	46,620	54,155	66,842	79,636	65,305
Carbonate	2,986	1,907	2,151	2,674	3,183	3,227
Caustic potash	4,082	3,283	3,045	4,021	6,603	3,439
Chloride	19,236	11,250	15,218	14,319	26,229	31,878
Nitrate	1,320	928	1,038	1,034	808	874
Sulphate	12,449	8,942	14,645	13,441	26,353	34,739
Netherlands—						
Kainite	48,657	75,324	94,717	76,187	45,779	52,842
Fertiliser salts						
do. (20% K ₂ O)	36,458	40,220	35,826	44,626	34,949	37,752
do. (40% K ₂ O)	282,331	322,364	298,096	284,596	225,549	262,475
Carbonate	3,119	2,651	3,624	3,077	4,177	4,614
Caustic potash	4,992	3,283	3,140	4,811	5,032	4,016
Chloride	5,484	10,096	17,580	29,512	24,961	33,194
Nitrate	1,647	1,537	1,075	1,461	1,718	2,400
Sulphate	10,420	15,803	13,563	16,581	29,579	26,966
Patent potash	41,724	44,899	61,488	66,981	56,032	52,337
Norway—						
Fertilizer salts	109,794	124,857	94,324	91,171	45,073	44,462
Carbonate	417	330	418	340	413	389
Caustic potash and lyes	1,554	1,489	1,362	1,524	1,413	1,337
Chloride	7,480	13,258	7,238	17,959	22,635	38,393
Nitrate	203	80	129	199	104	194
Sulphate	(c)	(c)	(c)	(c)	16,097	18,905

(a) Information not available.

(b) January to September only.

(c) Included with fertilizer salts.

IMPORTS OF POTASH SALTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Portugal—						
Carbonate	86	58	73	90	79	120
Caustic potash	97	33	47	95	22	65
Chlorate	305	69	155	191	182	180
Chloride	9,803	7,800	5,311	12,727	8,776	16,264
Nitrate	1	153	280	353	316	291
Sulphate	1,821	1,968	—	246	1,739	1,642
Sweden—						
Fertilizer salts						
(40% K ₂ O)	159,455	152,942	176,658	109,430	13,994	—
(other)	34	689	562	58,738	143,734	176,492
Carbonate	1,366	1,298	1,115	1,568	1,666	1,519
Caustic potash	143	187	202	364	313	361
Chloride	14,933	12,032	5,294	10,560	10,364	15,423
Nitrate	675	382	636	700	776	924
Sulphate	3,085	3,127	5,663	3,892	8,201	10,319
Switzerland—						
Fertilizer salts	64,886	63,050	62,264	69,081	74,470	69,104
Carbonate	1,231	642	581	1,268	1,153	1,694
Caustic potash	2,389	1,890	2,079	2,324	2,483	2,164
Chloride	3,181	2,617	2,138	4,350	6,965	9,785
Nitrate, crude	—	98	99	1	295	16
Nitrate, purified, including sodium nitrate	547	513	661	475	607	811
Yugoslavia—						
Fertilizer salts	10,739	4,607	22,219	33,038	55,701	55,108
Carbonate	122	251	(a)	(a)	(a)	(a)
Caustic potash	192	186	57	99	187	70
Chlorate and chloride	192	246	(a)	(a)	(a)	2,298
Nitrate	222	219	1	1,080	—	39
Sulphate	66	133	50	87	39	492
Algeria—						
Fertilizer salts	24,282	18,281	15,159	20,729	17,687	10,070
Carbonate	29	3	2	11	6	2
Caustic potash	27	24	40	28	29	20
Nitrate	22	20	13	21	11	377
Egypt—						
Fertilizer salts	752	2,559	464	640	—	(a)
Carbonate	269	267	31	102	184	(a)
Caustic potash	15	15	45	33	32	(a)
Chlorate	175	172	172	143	184	(a)
Chromates, including those of sodium	(a)	416	365	323	509	(a)
Morocco (Southern)—						
Chloride	9,723	8,198	6,021	6,848	6,460	1,899
Sulphate			2,284	4,345	4,630	1,569
Tunis—						
Fertilizer salts	655	(a)	1,061	1,526	2,293	22
Caustic potash	8	(a)	9	7	9	5
Cuba (total imports)—						
Nitrate	22,066	22,708	8,262	3,883	5,357	(a)
Chlorate	390	256	129	235	(a)	(a)
Chloride	7,956	14,507	3,959	11,767	9,472	(a)
Sulphate	3,169	8,232	4,157	4,278	11,810	(a)
Mexico (total imports)—						
Chloride	—	—	—	2,501	5,845	7,261
Caustic potash	213	123	180	161	235	280
United States—						
Fertilizer salts	3,370	1,960	3,014	6,081	14,105	28,586
Carbonate	1,987	152	1,379	16	—	—
Caustic potash	1,469	66	160	171	193	239
Chlorates	330	662	90	108	306	310

(a) Information not available.

IMPORTS OF POTASH SALTS (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States—(cont.)						
Chloride	439,850	251,052	155,396	131,557	215,590	217,829
Cyanide	835	812	1,254	748	710	826
Nitrate	3,111	11,837	15,131	1,428	2,089	2,114
Potassium-sodium						
nitrate mixtures	7,365	14,696	11,175	11,811	17,232	17,367
Sulphate	46,746	35,948	31,462	47,878	48,685	47,448
Argentina—						
Lichromate	(a)	351	46	1,029	1,096	294
Carbonate	(a)	120	28	63	521	87
Caustic potash	(a)	417	185	727	1,491	243
Chlorate	(a)	586	111	657	979	41
Nitrate	(a)	142	370	504	826	—
Sulphate	(c)	50	2	—	249	584
Brazil (total imports)—						
Caustic potash	755	104	83	64	403	1,346
Nitrate	1,988	1,354	177	2,055	869	1,345
Chloride	43,287	21,885	48,292	42,016	73,818	61,088
Sulphate	2,689	2,010	3,573	4,451	4,446	3,658
Carbonate	366	266	269	819	164	(a)
Chlorate	2,125	860	877	766	335	36
Chile—						
Caustic potash	54	64	111	151	221	(a)
Chlorate	225	72	63	79	130	(a)
Chloride	—	680	5,031	4,283	1	(a)
Sulphate	285	394	512	9,005	2	(a)
Colombia (total imports)—						
Chlorate	121	136	248	211	280	326
Chloride	4,776	3,458	2,545	14,849	17,662	10,682
Nitrate	137	106	263	273	326	304
Sulphate	1,927	(a)	1,376	3,372	2,923	2,746
Other fertilizer salts	221	—	700	320	35	390
Peru—						
Fertilizer salts	225	228	223	348	540	2,308
Caustic potash	40	16	9	29	54	96
Other salts	110	74	101	158	170	129
Uruguay—						
Nitrate	9	984	571	(a)	(a)	(a)
Caustic potash	371	102	372	(a)	(a)	(a)
Venezuela (total imports)						
Carbonate	(a)	18	37	35	(a)	12
Chlorate	517	74	152	118	(a)	98
Chloride	562	298	353	662	1,710	1,399
Nitrate	88	59	213	289	557	330
Sulphate	47	5	261	(a)	866	1,537
Japan—						
Fertilizer salts	9,882	—	—	—	—	(a)
Kainite, etc.	470	—	—	—	—	(a)
Chloride	218,371	72,607	309,808	454,252	551,534	(a)
Sulphate	118,917	103,217	201,127	188,874	151,440	(a)
Philippine Republic—						
Caustic potash	4	27	15	11	165	114
Chlorate	339	393	206	430	264	608
Nitrate	435	16	37	78	1,803	59
Sulphate	160	—	1	150	314	592
Turkey—						
Carbonate	871	858	709	388	794	763
Caustic potash	106	125	217	200	173	235
Chlorates	129	133	150	12	94	237
Chromates	59	90	110	95	60	48
Nitrate	16	1	253	—	134	—

(a) Information not available.

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

Producing Country	Estimated Sulphur Content											
	1951	1952	1953	1954	1955	1956	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES												
Great Britain ..	15,586	9,691	10,244	7,010	5,514	4,207	(a)	(a)	(a)	(a)	(a)	(a)
Southern Rhodesia ..	27,822	18,752	36,087	36,387	21,268	18,674	12,200	8,300	15,900	16,000	9,400	8,200
Union of South Africa ..	32,851	30,649	92,362	225,534	351,651	429,964	14,245	13,198	36,260	86,809	137,882	163,060
Canada (sales) (c) ..	397,275	494,631	364,515	614,221	784,332	690,271	192,288	235,037	166,652	277,821	360,702	341,289
Cyprus (saleable) ..	689,549	821,716	754,399	795,350	961,390	1,080,822	337,000	401,000	364,000	383,000	471,000	528,000
India ..	530	2,168	277	—	800	—	230	930	120	348	—	—
Australia ..	151,388	198,713	167,007	206,778	228,764	184,488	66,000	84,150	70,500	97,600	107,700	88,100
TOTAL ..	1,314,000	1,582,000	1,425,000	1,885,000	2,354,000	2,408,000	—	—	—	—	—	—
FOREIGN COUNTRIES												
Austria ..	10,075	8,988	69	—	—	—	2,703	2,261	—	—	—	—
Finland (b) ..	228,873	242,042	255,094	248,527	298,063	289,440	97,000	103,000	108,000	105,000	126,000	123,000
France (e) ..	276,127	295,669	293,292	294,611	300,531	299,000	115,462	117,700	132,400	135,263	133,240	133,000
Germany (Federal) ..	525,104	519,594	521,613	557,334	621,518	634,238	191,542	188,739	189,044	212,545	251,311	253,404
Greece ..	178,400	191,578	233,575	206,502	229,126	237,014	87,400	93,900	102,000	90,000	100,000	110,000
Italy ..	884,000	1,122,773	1,215,068	1,231,188	1,296,208	1,349,379	398,000	505,000	547,000	554,000	583,000	597,000
Norway ..	685,056	701,361	733,092	782,359	830,450	827,327	284,602	295,312	332,104	343,696	361,775	364,158
Portugal ..	718,103	743,959	640,852	575,157	660,154	659,198	323,145	334,781	288,384	258,821	297,070	296,639

* See also Sulphur (page 315).

(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): 1951—12,650; 1952—12,753; 1953—9,392; 1954—1,296; 1955—6,577; 1956—6,780.

PRODUCTION OF PYRITES (cont.)

Producing Country	Estimated Sulphur Content					
	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Spain ..	1,767,824	2,119,566	1,773,363	1,864,227	2,289,598	2,247,250
Sweden ..	400,507	407,054	382,846	392,894	387,850	485,670
Yugoslavia (c) ..	111,748	164,753	163,214	157,580	223,102	251,905
Algeria ..	30,950	23,631	29,352	33,000	21,330	5,968
Morocco (Southern) ..	1,918	1,993	2,005	1,535	4,007	1,524
Cuba ..	(a)	(a)	(a)	92,881	98,840	(a)
United States (b) ..	1,017,769	994,342	922,647	908,715	994,443	1,069,904
Formosa ..	6,622	32,707	24,892	23,857	28,559	20,194
Japan ..	2,313,696	2,586,846	2,306,251	2,635,554	2,692,929	3,048,576
Korea (South) ..	743	743	765	765	765	765
Philippine Republic ..	(a)	(a)	1,945	5,202	30,296	—
TOTAL* ..	9,200,000	10,160,000	9,560,000	9,990,000	11,010,000	11,530,000
WORLD'S TOTAL*	10,514,000	11,742,000	10,985,000	11,875,000	13,364,000	13,940,000
					4,640,000	4,640,000
					5,190,000	5,190,000
					4,810,000	4,810,000
					5,230,000	5,230,000
					6,190,000	6,190,000
					1,110,000	1,110,000
					191,008	191,008
					100,000	100,000
					9,380	9,380
					600	600
					(a)	(a)
					405,310	405,310
					9,100	9,100
					10,700	10,700
					1,149,647	1,149,647
					(a)	(a)
					680	680
					2,080	2,080
					13,600	13,600
					5,930,000	5,930,000
					6,190,000	6,190,000

*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.

EXPORTS OF PYRITES
(Domestic Produce)
(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Southern Rhodesia—						
Iron pyrites	24,728	15,281	33,586	26,774	3,706	12,844
Canada—						
Pyrites (<i>S content</i>) ..	158,963	176,694	115,721	168,400	(a)	(a)
Cyprus—						
Iron pyrites	614,864	633,270	565,183	687,954	753,640	821,727
Cupreous pyrites ..	99,060	146,672	129,915	125,370	139,230	171,032
Australia (<i>b</i>) (<i>c</i>)	157	3,398	—	—	—	20
FOREIGN COUNTRIES						
Austria	95,648	88,461	8,562	71,833	35,190	27,824
Belgium-Luxemburg						
E.U.	3,531	—	—	—	—	—
Finland—						
Concentrate	—	3,149	9,174	72,069	75,182	41,538
France	6	—	1,799	147	108	—
Germany (Federal)—	19,686	14,599	12,578	16,509	30,747	6,377
Greece	149,878	174,409	160,447	137,827	121,343	203,114
Italy—						
Iron pyrites	146,091	107,920	59,290	113,192	93,906	100,293
Cupreous pyrites ..	563	19	—	1,947	3,664	1,654
Norway—						
Iron pyrites	159,871	191,731	129,834	162,142	145,118	} 460,362
Cupreous pyrites ..	129,154	138,836	193,066	252,856	320,071	
Portugal—						
Iron pyrites	} 561,922	406,312	298,198	375,676	441,928	401,042
Cupreous pyrites ..			1,791	2,255	2,297		1,716
Spain—						
Iron pyrites	1,516,428	1,737,348	1,187,297	1,539,996	1,504,992	1,484,769
Cupreous pyrites ..	36,463	56,281	40,836	18,551	21,510	30,466
Sweden	4,036	10,236	11,810	10,283	15,532	54,454
Yugoslavia	158,583	157,289	69,559	128,495	212,044	178,876
Algeria	610	—	236	—	—	591

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Revised.

IMPORTS OF PYRITES

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom	347,688	505,101	385,133	599,593	499,197	384,652
Northern Rhodesia— Iron pyrites	18,754	9,456	5,362	(b) —	(b) —	(b) —
Irish Republic	42,303	34,288	40,137	47,474	37,977	44,371
FOREIGN COUNTRIES						
Austria	138,835	131,661	49,626	131,928	94,941	88,548
Belgium-Luxemburg E.U.	404,554	319,561	252,763	352,606	411,289	430,990
Denmark	148,007	106,632	129,551	119,967	129,562	131,686
France	693,604	629,146	324,432	553,870	545,908	488,537
Germany (Federal)— Italy—	785,468	996,450	854,832	1,038,417	1,126,257	1,307,094
Iron pyrites	183,199	79,578	113,188	135,121	206,926	285,435
Cupreous pyrites	12,359	7,190	1,383	—	—	—
Netherlands	375,944	428,941	331,495	482,263	474,002	598,434
Sweden	71,632	69,107	65,619	78,593	121,113	115,895
Algeria	11,261	1,857	8,777	6,671	16,595	19,436
Morocco (Southern)	9,560	16,782	930	23,793	11,332	3,328
Tunis	12,945	(a)	7,809	15,119	9,730	3,740
United States	221,512	296,047	190,474	46,649	80,305	73,296
Japan	29,796	68,201	566	—	—	—

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

RARE EARTH AND THORIUM MINERALS
PRODUCTION OF RARE EARTH AND THORIUM MINERALS
(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Nigeria—						
Monazite	(a)	(a)	(a)	(a)	(a)	77
Thorite (d)	(a)	(a)	(a)	(a)	(a)	727
Ceylon—						
Monazite	(a)	14	50	46	60	52
Malaya (exports)—						
Monazite	75	56	186	349	249	631
Australia (b)—						
High-grade concentrates	38	106	184	71	(c) 149	93
Low-grade concentrates	293	148	69	106	44	146
FOREIGN COUNTRIES						
Belgian Congo—						
Monazite	36	14	11	4	4	1
Bastnaesite	122	211	361	369	319	350
Egypt—						
Monazite	1	6	6	8	1	(a)
Madagascar—						
Monazite	—	—	—	—	64	189
Bastnaesite	2	3	9	6	10	1
Korea (South)—						
Monazite	(a)	(a)	(a)	(a)	490	181

Monazite is also produced in 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.

(c) Revised.

(d) Between 5% and 6% Tho₂.

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Nigeria—						
Monazite	(a)	(a)	(a)	(a)	(a)	77
Thorite (b)	(a)	(a)	(a)	(a)	(a)	727
Ceylon—						
Monazite	(a)	(a)	(a)	(a)	30	(a)
India—						
Monazite sand	114	(a)	(a)	—	—	—
Malaya—						
Monazite	75	56	186	349	249	631
Australia—						
Concentrates	44	91	180	76	107	56
FOREIGN COUNTRIES						
France—						
Monazite	—	—	—	1	—	—
Salts of rare earth minerals	116	119	39	55	464	284
Germany (Federal)—						
Rare earth minerals	(a)	54	39	—	—	—
Belgian Congo—						
Monazite	(a)	(a)	(a)	(a)	(a)	3
Bastnaesite	(a)	(a)	(a)	(a)	(a)	80
Madagascar—						
Monazite	—	—	—	—	49	146
Bastnaesite	2	1	9	6	12	2
United States—						
Cerium ores etc.	38	22	37	13	9	11

(a) Information not available.

(b) Between 5% and 6% Tho₂.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Canada—						
Thorium and cerium salts	(£23,038)	(£20,382)	(£11,455)	(£7,846)	(£10,053)	(£12,993)
FOREIGN COUNTRIES						
France—						
Monazite	448	248	24	53	171	205
Salts of rare earth minerals	77	735	52	106	1,706	546
Germany (Federal)—						
Rare earth minerals	(a)	127	311	272	475	336
Salts of rare earth minerals	(a)	123	128	240	301	315
United States—						
Cerium ores	(a)	(a)	(a)	1	9	—

(a) Information not available.

SALT
PRODUCTION OF SALT
(Long tons)

Producing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain—						
Rock-salt	54,200	44,521	42,846	43,184	69,770	99,236
Brine-salt	1,040,796	944,357	940,260	1,008,400	1,061,030	1,048,731
Salt in brine (b)	3,577,798	2,952,408	3,074,156	3,414,005	3,655,377	3,835,363
Northern Ireland—						
Brine-salt	13,042	10,637	—	10,842	12,392	8,987
Malta—						
Sea-salt	3,240	1,290	3,140	2,770	970	1,320
Ghana (d)	22,000	22,000	22,000	22,000	22,000	22,000
Mauritius—						
Sea-salt	3,350	2,165	2,362	3,050	3,400	3,400
Nigeria (d)	200	250	190	220	250	300
South West Africa—						
Rock-salt	4,632	6,779	4,621	4,825	6,254	4,474
Other salt	39,250	32,733	35,948	41,779	52,257	73,441
Kenya	19,084	16,750	20,886	18,795	25,376	21,885
Tanganyika	15,608	18,951	19,785	21,394	23,521	27,870
Uganda	7,745	4,043	7,517	7,190	9,013	8,853
Union of South Africa	147,430	138,354	125,545	153,737	137,784	168,972
Canada—						
Rock-salt	64,996	73,679	63,423	72,011	245,629	570,224
Other salt (c)	795,323	795,256	793,629	788,129	873,898	857,052
British West Indies—						
Sea-salt—						
Bahamas (exports)	48,321	54,107	121,071	116,500	40,786	27,893
Leeward Islands (exports)	6,884	5,851	5,298	4,164	4,557	991
Turks and Caicos Islands	21,000	16,400	9,863	9,589	6,279	13,742
Aden	304,302	376,079	240,423	210,000	264,340	248,000
Ceylon	25,835	45,330	57,199	49,960	36,325	107,843
Cyprus	10,752	—	1,960	4,688	—	4,487
India—						
Rock-salt	5,443	5,992	5,772	4,007	} 2,978,000	{ 3,428
Other salt	2,729,437	2,820,166	3,159,265	2,713,269		
Pakistan—						
Rock-salt	(e) 103,000	(e) 101,000	(e) 125,000	147,010	139,827	162,024
Sea-salt	(e) 166,000	(e) 145,000	(e) 176,000	250,538	258,876	227,486
Australia (d)	300,000	277,000	310,000	380,000	370,000	409,000
New Zealand	—	700	—	1,500	3,000	11,400
Total	9,550,000	8,940,000	9,390,000	9,540,000	10,300,000	11,100,000
FOREIGN COUNTRIES						
Austria—						
Rock-salt	681	1,122	1,106	1,258	797	618
Evaporated salt	93,815	80,760	86,961	95,845	105,155	106,849
France—						
Rock-salt (incl. refined)	416,968	410,187	424,911	452,592	465,200	481,900
Salt in brine	2,125,989	1,740,327	1,959,901	1,972,263	1,650,000	1,872,000
Sea-salt	407,463	648,601	538,452	488,268	702,835	540,000

- (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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Rock-salt, etc.	2,438,239	2,263,342	2,535,912	2,804,744	3,001,283	3,207,000
Brine-salt	275,990	271,981	291,881	305,657	329,485	318,000
Greece—						
Sea-salt	81,132	94,000	84,000	(a)	(a)	(a)
Italy—						
Rock salt and brine salt	1,095,275	745,541	878,229	1,012,470	984,820	966,758
Sea-salt	888,111	886,367	713,121	699,979	(a)	} 585,363
Spring-salt	15,089	15,183	17,769	17,823	17,935	
Netherlands (brine-salt)	477,714	408,260	452,398	504,950	576,000	616,048
Poland	(a)	504,000	550,700	557,800	583,800	(a)
Portugal—						
Rock-salt	38	44	48	52	47	17
Sea-salt (exports) . . .	28,911	22,590	2,978	2,244	1,236	3,533
Spain—						
Rock-salt	361,999	369,330	387,588	399,295	443,882	477,261
Sea-salt	879,189	644,656	976,625	873,205	626,956	601,165
Other salt	21,590	21,318	26,266	26,089	24,341	36,660
Switzerland	125,036	107,616	108,522	114,647	120,515	117,326
Yugoslavia	94,000	146,035	121,469	135,821	133,233	(a)
Algeria—						
Brine-salt and sea-salt . .	95,593	80,058	58,900	97,100	100,618	95,012
Angola	48,451	56,602	56,896	54,295	56,934	80,173
Belgian Congo (rock-salt)	540	610	797	829	451	502
Canary Islands (sea-salt)	15,481	15,000	16,850	17,784	19,895	(b) 20,000
Cape Verde Islands	23,725	17,805	10,460	20,827	21,479	21,626
Egypt	597,452	490,522	381,449	443,351	395,355	522,000
Ethiopia—						
Rock-salt	(b) 10,000	(b) 10,000	(b) 10,000	(a)	(a)	13,000
Sea-salt	(a)	149,948	158,367	177,386	178,212	130,203
French Somaliland	54,300	63,400	60,000	58,200	17,930	6,568
Libya (sea-salt)	12,000	12,000	12,000	15,000	14,602	13,000
Morocco (Southern)	64,929	39,368	40,150	31,580	39,511	27,531
Morocco (Northern)—						
Sea-salt (b)	250	250	213	250	250	300
Mozambique—						
Rock-salt	87	101	108	98	137	71
Sea-salt	8,491	10,238	10,617	13,168	11,090	(b) 12,000
Sudan	45,485	52,469	53,993	54,759	23,059	(a)
Tunis (sea-salt)	144,193	84,163	137,210	162,400	130,000	(b) 128,000
Costa Rica	5,359	2,232	3,830	4,035	2,009	(a)
Cuba (sea-salt)	49,473	55,119	50,208	53,094	62,201	63,383
Dominican Republic—						
Rock-salt	2,238	2,561	3,735	42,178	17,646	32,618
Sea-salt	7,964	16,482	13,450	14,239	316	499
Guatemala (sea-salt) . . .	11,800	11,785	11,433	(a)	(a)	16,253
Haiti (b)	(a)	29,900	34,400	29,900	29,900	5,000
Honduras	4,577	(b) 4,500	(b) 10,200	(b) 10,000	(b) 10,000	13,409
Mexico (b)	162,500	169,800	220,300	220,500	221,000	237,000
Netherlands West Indies	(a)	2,607	(a)	(a)	(a)	1,130
Nicaragua (sea-salt)	12,044	13,007	13,751	14,318	9,445	10,232
Panama (sea-salt)	5,302	5,808	3,867	6,243	9,235	6,862
Porto Rico (sea-salt) . . .	10,080	8,610	(b) 10,000	(b) 10,000	(b) 10,000	(b) 10,000
Salvador	(a)	18,000	34,200	36,700	37,000	49,108
United States (sales)—						
Rock-salt	4,162,673	4,100,000	3,998,799	4,307,775	4,726,000	5,020,444
Salt in brine	10,616,187	9,800,000	11,257,181	10,815,721	11,986,000	13,004,262
Evaporated salt	3,263,221	3,125,000	3,305,629	3,331,328	3,559,700	3,596,387
Argentina (b)	410,000	480,000	446,000	490,000	500,000	500,000
Bolivia	(a)	(a)	2,000	2,000	2,000	2,000
Brazil (sea-salt)	1,224,700	768,289	749,279	664,658	571,645	734,472
Chile	48,145	51,194	36,137	44,398	50,777	27,301

(a) Information not available.

(b) Estimated.

(c) Exports.

PRODUCTION OF SALT (cont.)

Producing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Colombia—						
Rock-salt	108,346	164,981	114,863	145,990	172,368	191,424
Sea-salt	27,623	37,597	42,147	35,664	39,994	36,591
Brine-salt	(a)	(a)	(a)	105,574	108,585	114,026
Ecuador (sea-salt) ..	32,200	26,580	27,560	157,000	34,346	19,010
Peru—						
Rock-salt	10,123	9,809	9,053	9,360	9,416	(a)
Sea-salt	52,299	62,526	64,927	70,120	75,738	(a)
Brine-salt	4,991	6,001	4,682	3,104	2,992	(a)
Venezuela (sea-salt) ..	38,305	114,217	71,440	82,097	61,165	36,995
Afghanistan	24,346	23,300	26,800	(b) 30,000	18,700	(b) 20,000
Burma—						
Sea-salt	60,675	56,701	60,934	94,626	103,549	85,198
Brine-salt	2,496	1,678	1,484	1,317	1,180	898
China (c)	3,000,000	3,500,000	4,000,000	5,400,000	5,900,000	5,900,000
Formosa (sea-salt) ..	279,763	324,542	168,742	387,899	453,120	(b) 300,000
Cambodia						(b) 125,000
Laos	92,425	130,830	72,910	143,833	(a)	(b) 2,000
Vietnam						(b) 50,000
Indonesia (d)	473,000	196,141	(b) 222,000	214,597	267,944	(b) 200,000
Iran	75,048	(b) 200,000	(b) 220,000	(b) 200,000	(b) 200,000	(b) 150,000
Iraq (e)	15,413	18,993	18,404	20,007	30,300	19,157
Israel (b)	12,000	15,000	21,300	20,000	10,000	25,000
Japan—						
Government-licensed plants (f)	431,000	426,700	453,800	422,800	552,700	616,500
Jordan (brine-salt) ..	(b) 10,000	7,145	6,945	10,341	7,583	9,981
Korea (South)	83,221	200,645	189,643	177,284	348,329	193,598
Lebanon (sea-salt) (b) ..	7,000	12,000	20,000	8,000	10,000	15,000
Philippine Republic—						
Sea-salt	51,454	16,506	46,984	47,313	78,733	62,595
Portuguese India	31,078	19,642	15,720	13,266	(a)	5,507
Siam (b)	400,000	280,000	280,000	230,000	250,000	250,000
Syria	5,306	19,368	13,632	14,511	(a)	(a)
Turkey—						
Rock-salt	22,474	24,605	26,752	29,611	27,996	28,095
Lake and spring salt ..	84,531	134,802	150,742	197,590	146,724	112,995
Sea-salt	159,518	150,767	165,347	246,102	192,277	232,748
TOTAL*	42,000,000	40,000,000	42,000,000	45,000,000	47,000,000	49,000,000
WORLD'S TOTAL* ..	51,500,000	48,900,000	51,400,000	54,500,000	57,300,000	60,000,000

*Salt is known to have been produced in many countries for which statistics are not available, e.g. 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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Rock-salt	5,451	6,039	8,625	5,507	5,017	} 265,155
Other salt	274,906	270,177	239,783	248,823	271,329	
Ghana	1,099	803	261	(a)	(a)		(a)
Kenya	365	186	3	1	1,332	1,230
Southern Rhodesia	454	455	495	(a)	(a)	(a)
South West Africa—						
Rock salt	1,167	1,809	1,567	1,786	1,679	1,709
Coarse salt	22,847	12,733	9,778	19,054	30,820	38,678
Other salt	927	404	171	138	263	555
Tanganyika	3,811	4,254	5,633	6,846	8,184	9,280
Uganda	2,295	2,000	2,092	2,174	2,077	2,241
Union of South Africa	15,031	19,923	17,279	14,000	8,222	7,738
Canada	4,073	2,539	2,101	1,070	130,778	298,156
British West Indies—						
Bahamas (b)	48,321	54,107	121,071	116,500	40,786	27,893
Leeward Islands	6,884	5,851	5,298	4,164	4,557	991
Turks and Caicos Islands	22,500	10,300	9,155	11,687	13,817	15,781
Aden	338,757	342,196	165,638	193,759	243,766	217,000
Ceylon	1	—	—	60	—	48
Hong Kong (including re-exports)	2,461	1,896	2,345	1,731	1,898	717
India—						
Trade by sea	17,659	228,893	262,584	194,596	199,589	256,213
Trade by land	(c) 23,792	(c) 9,277	(c) 13,405	(c) 5,761	(c) 2,965	1,312
Malaya (including re-exports)	7,943	8,975	8,214	8,882	7,209	5,384
Pakistan	(c) —	(c) (a)	(c) 404	(c) —	(c) —	93,380
Australia (d)—						
Rock-salt	12	1,568	2	—	—	—
Refined salt	1,507	3,375	6,360	13,347	765	132
Other salt	13,692	18,062	12,184	5,092	20,477	23,581
FOREIGN COUNTRIES						
Austria	6,048	1,889	68	149	44	—
Belgium-Luxemburg E.U.—						
Common salt	132	56	5	44	61	637
Refined salt	21	40	85	20	35	17
Denmark—						
Refined salt, etc.	81	84	70	391	620	147
France	122,452	75,106	50,947	59,359	92,184	83,579
Germany (Federal)—						
Rock-salt, sea-salt, etc.	691,434	609,738	626,607	711,548	749,540	846,951
Italy—						
Rock-salt and sea-salt	260,205	151,312	115,411	106,458	130,691	119,226
Netherlands—						
Rock-salt	—	79	620	305	69	475
Refined salt	293,483	249,023	259,545	280,812	324,933	365,598
Norway—						
Common salt	3,970	474	3,642	4,613	3,646	9,476
Refined salt	22	35	550	290	144	558

(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.

(d) Revised to years ended June 30 of that stated.

EXPORTS OF SALT (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portugal	28,911	22,590	2,978	2,248	1,243	3,533
Spain	359,095	299,539	326,992	328,258	398,892	318,157
Sweden	2,342	1,378	776	1,518	1,709	826
Algeria	14,213	20,918	28,755	42,001	47,788	47,024
Angola	21,796	20,360	14,161	19,613	19,991	23,723
Cape Verde Islands ..	23,212	23,913	22,188	18,316	16,825	17,858
Egypt—						
Common salt	341,424	79,200	272,094	325,546	223,473	(a)
Ethiopia (Eritrea) (c) ..	85,896	62,096	59,938	93,847	49,772	68,215
French Somaliland	60,502	11,041	16,209	19,661	28,034	(a)
Madagascar	1,005	919	1,562	1,642	1,625	2,339
Mozambique	1,047	1,575	1,098	754	1,303	2,337
Morocco (Southern)	(a)	16	20	84	204	5
Morocco (Northern)	—	902	870	796	1,347	(a)
Sudan	12,321	28,939	12,829	3,726	24,651	21,272
Tunis—						
Rock-salt and sea-salt ..	88,745	99,804	50,200	73,124	125,672	74,319
Cuba	362	362	272	109	258	(a)
Dominican Republic	(a)	(a)	1,649	18,135	14,833	32,054
Mexico	19,738	28,117	10,804	1,025	763	1,554
Netherlands West Indies ..	2,632	2,359	341	(a)	(a)	(a)
Salvador	2,359	2,451	1,762	1,036	1,084	1,010
United States	392,068	312,474	222,786	339,829	363,509	300,286
Argentina	(a)	18,970	9,636	23,443	23,624	26,648
Brazil	12	9	9	—	2,953	—
China	98,000	(a)	(a)	(a)	(a)	(a)
Formosa	235,275	178,546	171,350	214,004	239,932	193,924
Indo-China	(a)	35,723	55,726	51,080	(a)	(a)
Iran (b)	1,750	1,453	10,556	17,876	(a)	(a)
Japan	304	558	781	14	—	—
Portuguese India	6,004	7,656	8,555	6,147	(a)	(a)
Siam	138,921	(a)	165,579	188,495	171,096	260,910
Turkey	76,576	81,392	—	—	16,150	54,920

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Salt for use of fisheries ..	25,996	35,258	28,431	31,453	45,103	47,750
Other salt	351	290	1,597	669	2,912	3,721
Channel Islands	615	570	591	605	661	643
Malta—						
Refined salt	(£1,925)	(£1,823)	£1,921	(£3,355)	(£2,777)	(£3,160)
Other salt	1	304	237	920	848	836
Gambia	270	563	704	811	451	385
Ghana—						
Refined salt	75	25	152	} 6,342	9,138	10,099
Other salt	3,823	1,718	4,842		2,173	5,407
Kenya	694	4,847	2,360	2,043	56	4
Mauritius	804	1	1,743	614	98,173	102,285
Nigeria	94,801	82,328	85,917	91,423	(b)	(b)
Northern Rhodesia ..	6,468	7,228	6,506	(b)	(b)	(b)
Nyasaland	3,608	4,993	4,224	(b)	(b)	(b)
Seychelles	84	54	128	262	579	410
Sierra Leone	5,047	4,109	5,433	5,014	6,792	6,432
Somaliland Protectorate	5	14	45	63	20	34
South West Africa ..	304	316	334	266	(d)	(d)
Southern Rhodesia ..	19,272	17,406	15,453	(c) 30,710	(c) 28,662	(c) 29,547
Tanganyika	1,614	7,933	3,396	2,484	2,140	342
Uganda	6,158	13,395	10,567	7,758	4,366	10,241
Union of South Africa—						
Rock-salt	27	140	414	744	(e) —	(e) —
Common salt and refined salt	8,235	4,313	6,619	17,544	(e) 6,639	(e) 2,261
Zanzibar	1,717	939	2,236	881	1,074	1,288
Canada (total imports)—						
Salt for use of fisheries	52,750	62,097	53,680	52,451	44,305	52,666
Refined salt	17	29	21	21	35	40
Other salt	178,324	195,127	220,703	278,253	281,759	232,227
British Honduras ..	411	257	427	432	442	441
British West Indies—						
Barbados	2,348	2,596	1,963	2,141	2,677	2,096
Bermuda	(a)	152	127	150	144	160
Dominica	144	360	373	341	38	(a)
Grenada	781	546	735	583	512	747
Jamaica—						
Rock-salt	27	79	10	247	133	41
Other salt	9,414	9,774	9,754	9,683	11,293	12,203
Leeward Islands ..	469	168	207	224	248	322
St. Lucia—						
Common salt	1,040	594	563	448	481	495
Refined salt	32	31	36	41	28	49
St. Vincent—						
Unrefined salt ..	387	220	288	364	221	205
Refined salt	84	221	168	50	149	324
Trinidad and Tobago—						
Rock and coarse salt ..	581	462	1,594	600	775	519
Refined salt	4,690	4,043	4,373	4,150	5,231	3,891
British Guiana—						
Rock and coarse salt ..	688	341	143	379	51	250
Refined salt, etc. ..	1,793	2,016	2,073	1,905	2,136	2,027

(a) Information not available.

(b) See under Southern Rhodesia.

(c) Federation of Rhodesia and Nyasaland.

(d) Included with Union of South Africa.

(e) Includes South West Africa.

IMPORTS OF SALT (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
Aden	13	21	26	33	95	40
Brunei	147	182	176	198	246	230
Ceylon—						
Refined salt	18	9	6	4	5	3
Other salt	22	30	18	41	40	30
Cyprus	56	43	77	64	117	206
Hong Kong (total imports)	29,174	27,738	31,842	30,022	32,599	26,586
India	2,351	2,070	11	431	28	20
Malaya (total imports)—						
Refined salt	135	127	152	161	240	195
Other salt	66,399	71,740	67,831	73,824	78,585	59,368
North Borneo	2,242	2,184	2,329	2,312	2,687	2,507
Pakistan (d)	(c) 23,792	(c) 9,276	(c) 13,405	(c) 5,761	(c) 2,965	1,312
Sarawak	3,491	3,786	3,695	4,152	3,880	3,966
Australia (b) (e)—						
Rock-salt	5,948	2,554	3,705	3,433	2,755	2,261
Refined salt	2,423	5,400	402	3,087	2,440	2,250
Other salt	5,760	5,800	1,940	1,811	3,320	2,915
Fiji	1,179	2,692	571	1,417	1,330	2,277
New Guinea (b)	(£307)	617	341	357	711	649
New Hebrides	16	117	158	119	157	91
New Zealand	39,236	71,887	36,276	51,267	54,905	58,197
Papua (b)	122	182	112	180	239	(a)
Solomon Islands (c)	9	14	14	28	24	22
Western Samoa	102	322	101	159	179	276
Irish Republic—						
Refined salt	2,558	3,805	1,786	1,205	1,939	2,034
Other salt	26,857	24,685	28,695	30,922	27,306	26,462
FOREIGN COUNTRIES						
Austria—						
Common salt	—	81	59	46	17	55
Belgium-Luxemburg						
E.U.—						
Common salt	428,049	323,689	377,874	420,751	448,150	456,207
Refined salt	68,113	72,133	77,264	76,731	78,576	91,246
Denmark—						
Rock-salt	1,050	1,955	1,237	1,208	1,169	1,018
Refined salt	102,387	102,359	112,730	111,838	121,124	124,996
Faroe Islands	5,124	6,726	23,872	20,311	11,218	(a)
Finland—						
Common salt	104,594	89,591	92,201	124,539	139,808	135,828
France	14,677	14,793	20,257	35,402	50,057	60,038
Germany (Federal)—						
Rock-salt, sea-salt, etc.	—	—	45	127	196	384
Iceland—						
Common salt	27,068	34,929	51,350	54,993	55,108	69,058
Refined salt	129	73	148	131	184	110
Italy—						
Rock and sea-salt	12	1,870	2,219	2,020	1,843	35
Netherlands—						
Rock-salt	59,037	65,486	53,887	60,355	58,552	69,820
Sea-salt, etc.	4,447	3,185	5,636	6,746	5,390	4,548
Refined salt	41	11	13	19	21	29
Norway—						
Common salt	219,295	242,205	188,704	189,549	229,687	265,670
Refined salt	34,992	25,928	26,780	32,950	33,345	34,896
Portugal	29	5	4	91	100	901

(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.

(e) Revised.

IMPORTS OF SALT (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden—						
Common salt	340,218	313,813	283,057	311,223	330,192	406,307
Switzerland	295	583	306	452	492	443
Yugoslavia	41,320	27,887	—	—	29,513	83,379
Algeria	133	132	154	153	171	155
Belgian Congo	31,452	39,058	34,763	38,376	39,555	49,686
Cameroon (French) ..	5,625	14,505	6,118	11,134	10,334	10,813
Canary Islands	(a)	(a)	2,176	4,317	3,140	(a)
Ceuta	(a)	(a)	3,416	4,310	5,073	(a)
Egypt—						
Common salt	285	181	44	178	130	(a)
Ethiopia (b)	50,196	50,872	35,265	5,466	1,762	2,524
French Equatorial Africa	5,734	8,073	8,220	6,127	7,647	8,112
French Togoland	9,747	3,100	3,439	5,406	4,300	6,414
French West Africa ..	6,654	6,042	9,773	13,779	18,700	15,747
Liberia	(a)	(a)	1,832	1,881	1,839	1,488
Madagascar	182	103	9	1,826	804	239
Morocco (Southern) ..	2,146	3,625	5,569	4,172	4,775	6,723
Morocco (Northern) ..	5,529	6,180	5,459	5,931	2,267	(a)
Mozambique	2,636	3,325	4,150	2,301	4,040	4,190
Portuguese Guinea ..	1,413	(a)	(a)	(a)	(a)	(a)
Reunion	1,149	1,137	1,029	1,738	1,447	1,670
S. Tome and Principe ..	385	463	407	431	(a)	(a)
Sudan	57	93	3,546	351	88	66
Costa Rica	(a)	(a)	1,139	313	138	176
Cuba (total imports) ..	13,392	8,179	9,049	9,472	9,397	(a)
French West Indies—						
Guadeloupe	1,822	1,928	1,780	1,630	1,783	1,686
Martinique	1,775	1,926	2,358	1,773	1,265	3,174
Greenland	(a)	(a)	(a)	7,045	13,990	(a)
Guatemala (total imports)	230	608	69	63	78	69
Honduras (d)	951	2,086	2,028	1,251	(a)	(a)
Mexico (total imports) ..	471	638	585	1,085	1,013	1,431
Netherlands West Indies	470	518	474	396	464	604
Nicaragua (total imports)	451	514	834	535	937	648
St. Pierre and Miquelon	—	4	5	2,447	1,090	850
Salvador	127	31	70	218	200	64
United States	3,865	6,300	122,597	143,545	195,761	328,760
Bolivia	(a)	687	480	212	218	(a)
Brazil (total imports)—	711	146	11	34	17	24
Columbia	36	6	14	39	107	3
Dutch Guiana	880	954	1,003	950	905	1,037
French Guiana	186	274	176	291	243	266
Peru	2	15	15	38	1	54
Uruguay—						
Rock-salt	130	250	100	(a)	(a)	(a)
Coarse salt	34,964	61,412	50,940	30,364	55,953	31,013
Burma (total imports) ..	(a)	(a)	366	347	381	303
Indo-China	712	1,565	690	866	(a)	(a)
Indonesia	157	76	104	28	23	122,121
Iran (c)—						
Common salt	293	—	5	141	(a)	(a)
Refined salt	8	—	2	—	(a)	(a)
Iraq	21	—	—	55	102	(a)
Japan	1,779,503	1,447,293	1,362,278	1,715,993	1,993,037	2,267,414
Korea (e)	14,266	40,193	9,161	—	—	—
Lebanon	9,726	5,672	2,158	6,246	10,157	6,079
Syria	—	(a)	8	15	(a)	(a)
Philippine Republic—						
Crude	44	38	19	428	(a)	5,113
Refined	1,926	1,689	662	1,236	(a)	1,973
New Caledonia	592	417	423	455	434	306

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Northern Rhodesia (b) ..	9,772	31,758	(f) 29,410	14,354	(f) 17,160	32,753
Canada	382,603	242,030	262,346	323,529	427,109	330,389
Australia	1,924	2,000	3,791	3,442	2,455	2,581
FOREIGN COUNTRIES						
Belgium (exports) ..	24,251	37,479	61,729	65,036	61,068	81,571
Finland	3,146	5,758	7,225	5,567	(a)	(a)
Sweden (f)	115,513	107,570	115,884	166,235	139,841	168,532
Mexico	—	—	2,798	14,703	132,758	198,400
United States (c) (d) ..	494,912	687,384	923,887	713,244	699,296	928,400
Peru	—	—	—	4,057	7,425	(e) 4,839
Japan	43,998	58,694	65,572	92,345	127,055	162,917
WORLD'S TOTAL (f)	1,076,100	1,172,700	1,472,600	1,402,500	1,614,200	1,910,400

(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.; 1956—188,700 lb.

(e) Exports.

(f) Revised.

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

Exporting Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Northern Rhodesia (b) ..	9,772	31,758	(d) 29,410	14,354	(d) 17,160	32,753
Canada (c)	370,473	244,121	253,620	344,292	334,215	409,729
FOREIGN COUNTRIES						
Belgium-Luxembourg						
E.U.	24,251	37,479	61,729	65,036	61,068	81,571
Germany (Federal) ..	(a)	5,732	19,621	23,149	14,771	32,628
Sweden	90,390	98,291	110,231	154,324	134,482	138,891
Mexico	—	—	2,798	14,614	132,758	201,866
Peru	—	—	—	3,677	6,726	4,839
Japan	48,061	45,237	(a)	84,700	(a)	(a)

(a) Information not available.

(b) Contained in copper slimes exported for treatment.

(c) Including salts.

(d) Revised.

IMPORTS OF SELENIUM

(Less Re-exports)

(lb. avdp.)

Importing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom ..	191,656	178,520	213,128	190,612	179,088	193,150
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	—	33,069	2,205	220	2,205	7,496
France (b)	39,904	50,045	44,754	36,156	45,415	68,784
Germany (Federal) ..	(a)	70,989	88,185	155,646	137,789	120,152
Italy	(a)	(a)	(a)	7,994	7,496	12,787
Sweden	—	534	—	—	2,205	41,881
United States (c) ..	246,552	123,135	102,200	209,596	191,928	234,969
Brazil (total imports) ..	(a)	2,575	5,739	3,071	7,198	4,273
Peru (c)	2	—	117	88	90	27

(a) Information not available.

(b) Including tellurium.

(c) Including salts.

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

Producing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Bechuanaland Protectorate—						
Kyanite	1,984	2,130	1,750	1,834	750	876
Kenya—						
Kyanite	2,640	961	67	} 4,018	2,706	—
Mullite	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	1,961
Tanganyika (exports)—						
Kyanite	—	—	20	—	—	—
Union of South Africa—						
Andalusite and sillimanite	11,306	19,176	10,511	16,227	17,285	27,004
India—						
Kyanite	42,501	26,882	15,374	42,330	11,741	20,135
Sillimanite	4,048	5,076	5,491	3,066	2,423	4,637
Australia—						
Sillimanite (b)	871	1,333	3,557	2,337	(d) 2,679	2,181
FOREIGN COUNTRIES						
United States—						
Kyanite (c)	15,000	30,000	35,000	33,000	43,000	51,000

(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; 1956—2,169.

(c) Estimated.

(d) Including kyanite.

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Bechuanaland Protectorate—						
Kyanite	2,056	2,385	1,960	2,054	840	(a)
Kenya—						
Kyanite (incl. mullite)	9,894	8,578	4,401	3,634	2,855	293
Nyasaland—						
Kyanite	—	—	1,234	1,335	—	—
South West Africa—						
Kyanite	—	1,719	1,246	22	67	808
Sillimanite	49	390				
Tanganyika—						
Kyanite	—	—	20	—	—	—
Union of South Africa—						
Andalusite and sillimanite	1,530	4,530	2,709	6,417	10,663	17,571
India—						
Kyanite	25,176	26,772	15,748	22,216	27,189	26,564
Sillimanite	2,504	4,214	3,232	2,414	3,745	5,251
Australia (b)—						
Kaolinised sillimanite .. ("dickite")	271	101	—	10	(a)	(a)
FOREIGN COUNTRIES						
Italy—						
Mullite	—	20	—	—	125	343
United States—						
Kyanite, etc.	884	1,008	921	1,024	1,532	1,188

(a) Information not available.

(b) Years ended June 30 of that stated.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (b)—						
Kyanite, sillimanite, etc.	7,400	14,200	8,800	13,700	13,300	19,400
Canada—						
Kyanite, etc.	724	1,156	774	691	1,181	1,419
Australia (c)—						
Kyanite	449	—	303	66	402	118
Sillimanite	28	15	55	—	36	98
FOREIGN COUNTRIES						
France—						
Kyanite	1,399	1,249	906	1,708	1,770	(d) 2,592
Mullite	775	1,204	1,375	870	1,170	345
Germany (Federal)—						
Kyanite and sillimanite	(a)	6,327	3,752	5,318	8,997	8,381
Mullite	(a)	1,479	679	364	495	208
Italy—						
Kyanite (incl. mullite) ..	583	1,089	1,655	1,862	2,251	4,478
United States—						
Kyanite, sillimanite, etc.*	17,473	8,087	5,910	4,309	6,769	6,206

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

(a) Information not available.

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

(c) Years ended June 30 of that stated.

(d) Sillimanite minerals.

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

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain	26,777	30,734	28,914	26,497	29,706	27,878
Bechuanaland						
Protectorate	70	282	464	292	189	215
Ghana (b)	52,542	44,116	44,949	48,214	39,284	32,966
Kenya	2,150	17,315	21,758	1,325	1,770	54,689
Nigeria	213	183	173	182	172	111
Northern Rhodesia (c) ..	100,702	348,954	514,699	403,069	402,466	613,115
Southern Rhodesia	79,731	81,356	84,566	81,657	76,837	76,870
South West Africa (f) ..	810,934	925,374	835,241	855,290	1,279,213	1,880,055
Swaziland	18	—	—	—	—	14
Tanganyika (e)	111,348	172,083	264,852	211,478	343,468	561,848
Uganda (b)	14	14	55	85	70	52
Union of South Africa ..	1,162,588	1,176,433	1,193,152	1,235,418	1,461,336	1,598,279
Canada	23,125,825	25,222,227	28,299,335	31,117,949	27,984,204	28,794,573
India	14,612	17,675	14,624	161,185	153,935	105,000
Australia	10,792,032	11,425,872	12,402,963	13,827,038	14,555,412	14,586,197
Fiji	24,869	25,838	19,328	21,277	20,421	18,677
New Guinea	(h) 38,556	63,011	58,794	49,062	44,713	42,549
New Zealand	133,291	51,016	75,888	33,049	27,930	950
Total	36,476,300	39,603,000	43,860,000	48,073,000	46,421,000	48,394,000
FOREIGN COUNTRIES						
Austria	6,108	4,501	5,144	5,594	3,665	1,286
Czechoslovakia (g) ..	1,608,000	1,608,000	1,608,000	1,608,000	(a)	(a)
Finland	157,281	150,080	235,794	239,459	224,573	318,453
France	705,902	712,171	675,519	555,951	628,065	579,000
Germany (Federal) ..	1,819,957	1,877,700	2,314,436	2,400,246	2,226,117	2,197,375
Greece	65,845	71,760	73,272	85,360	77,869	78,091
Italy	702,500	693,900	902,500	757,500	830,553	826,634
Norway	165,015	147,006	113,138	131,271	70,700	(a)
Portugal	65,427	77,740	59,447	55,299	58,900	57,550
Spain	613,436	828,075	1,209,125	1,312,522	1,473,629	1,400,000
Sweden	1,145,917	2,196,282	1,571,464	2,215,604	2,397,738	2,562,414
Yugoslavia (refined) ..	3,032,008	2,577,043	3,048,019	2,829,394	2,983,589	2,760,013
Algeria	8,681	(a)	48,200	57,900	61,100	(a)
Belgian Congo	3,795,070	4,727,252	4,951,000	4,533,000	4,083,000	3,794,000
Morocco (Southern) ..	1,865,000	2,283,000	2,251,000	1,929,000	2,315,000	2,250,000
Mozambique	83	102	209	43	(a)	42
Tunis	61,119	167,409	125,034	106,100	91,726	86,485
Costa Rica	582	—	—	—	—	—

(a) Information not available.

(b) Exports.

(c) Recovered from copper-refinery slimes.

(d) Estimated.

(e) Including silver in lead concentrates exported amounting to 77,273; 135,212; 223,434; 169,589; 300,322 and 527,860 fine troy ounces in 1951; 1952; 1953; 1954; 1955 and 1956 respectively.

(f) Accounted for by smelters.

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

(h) Year ended June 30 of that stated.

PRODUCTION OF SILVER (cont.)

Producing Country	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Cuba (b)	172,318	163,211	167,895	179,479	366,673	216,489
Guatemala	(e) 309,857	(e) 371,679	458,481	(e) 284,000	(a)	(a)
Honduras	3,182,502	3,650,599	4,783,969	d 5,454,791	(a)	(a)
Mexico	43,797,735	50,353,561	47,886,441	39,896,467	47,957,655	43,077,046
Nicaragua	206,882	238,389	252,697	218,148	268,316	258,521
Panama	5,026	—	—	—	—	—
Salvador	323,793	349,182	348,328	256,772	230,054	161,475
United States	39,764,932	39,452,330	37,570,838	36,941,384	37,197,742	37,127,149
Argentina	1,253,879	962,948	895,474	1,639,688	1,490,000	1,547,445
Bolivia (c)	7,164,118	7,065,608	6,787,440	(g)5,043,680	5,851,242	7,543,304
Brazil	20,319	192,229	211,938	126,449	140,113	124,005
Chile	1,191,091	1,415,535	1,497,839	1,644,961	1,772,503	1,921,489
Colombia	130,028	123,165	117,383	112,534	112,036	110,724
Ecuador	33,600	82,200	86,600	35,100	47,500	294,000
Peru (f)	17,379,137	19,179,525	19,650,695	20,405,883	22,947,625	22,328,755
Burma	280,720	154,783	718,333	1,278,289	1,537,895	1,365,154
Formosa	32,762	6,720	40,671	40,156	63,948	53,960
Japan	4,610,031	5,177,909	6,028,489	6,162,815	5,948,627	6,166,963
Korea (South)	5,401	6,141	52,149	50,252	79,637	196,409
Philippine Republic	274,602	693,751	572,046	527,160	502,069	541,168
Saudi Arabia	109,912	111,946	150,626	61,530	—	—
Total*	136,000,000	148,000,000	147,000,000	141,000,000	151,000,000	147,000,000
WORLD'S TOTAL* ..	173,000,000	188,000,000	191,000,000	189,000,000	197,000,000	195,000,000

*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 1951 and 1952 include silver recovered from anode residues.

(g) Revised.

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom (b)—						
Refined bullion	18,111,753	13,746,387	12,892,517	12,049,160	11,392,486	} 75,836,726
Unrefined bullion	—	—	22,881	—	—	
Malta (b)—						
Bullion and scrap	1,400	2,000	700	—	—	(a)
Ghana—						
Bullion	52,542	44,116	44,949	48,214	39,284	32,966
South West Africa—						
Concentrates (d)	(a)	(a)	(a)	(a)	1,279,214	1,264,279
Southern Rhodesia—						
Bullion	78,935	83,898	85,506	79,442	80,128	73,477
Tanganyika—						
Concentrates	77,273	135,212	223,780	169,638	300,322	(a)
Refined bullion	36,271	35,900	41,234	42,156	43,292	35,020
Uganda—						
Bullion	14	14	55	85	70	52
Union of South Africa—						
Bullion	20	—	—	66	643	634,266
British West Indies (b)—						
Trinidad and Tobago—						
Bullion	—	—	60	—	—	—
Canada—						
Ore, concentrates, etc.	2,413,288	3,546,448	5,686,518	8,672,340	5,873,873	6,924,414
Bullion	16,183,364	14,928,515	14,632,914	14,467,015	16,598,577	14,341,753
Hong Kong (b)—						
Bullion	2,139,000	1,980,000	1,280,000	585,000	1,033,000	1,322,000
Malaya (b)—						
Bullion	215,600	1,204,400	1,600,200	1,151,500	502,000	531,500
Australia—						
Ores and concentrates	1,400,000	1,324,843	2,204,790	1,943,150	1,907,303	2,172,482
Silver-lead bullion	2,446,983	2,264,284	3,382,302	2,908,945	3,318,541	3,518,763
Bullion, refined	} 7,180,541	5,954,090	5,162,656	} 7,417,670	5,941,917	16,443,473
do. unrefined							13,500	72,182	148,050
Fiji—						
Bullion	31,408	22,035	14,677	17,794	12,300	4,842
New Guinea (c)—						
Bullion	38,639	53,429	64,420	50,919	46,922	42,950
New Zealand						
Concentrates	—	843	3,016	22,153	8,584	(a)
Scrap, sweepings, etc.	2,106	84	—	(a)	(a)	600
Beaten, rolled or drawn	2,000	750	31,000	20,000	3,000	300
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U. (b)—						
Bullion and scrap	(a)	(a)	4,372,000	3,495,000	2,432,000	3,778,000
Denmark (b)—						
Bullion	47,000	57,000	39,000	43,500	40,000	35,000
Beaten, rolled or drawn	2,400	1,400	2,000	—	600	300
France (b)—						
Bullion and scrap (e)	689,000	938,000	1,762,000	2,036,000	2,325,000	4,261,000
Beaten, rolled or drawn	193,000	169,000	191,000	299,000	390,000	258,000

*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) Revised.

EXPORTS OF SILVER (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal) (b)—						
Bullion	(a)	(f)2,820,000	6,522,000	8,413,000	9,017,000	13,447,000
Italy—						
Bullion, and scrap (c) ..	2,000	7,000	—	—	1,000	—
Netherlands (b)—						
Bullion and scrap	6,912,000	789,000	1,081,000	10,023,000	18,768,000	19,798,000
Sweden—						
Bullion	233,000	174,000	495,000	560,000	565,000	589,000
Switzerland (b)—						
Bullion	112,000	13,700	421,200	303,000	169,000	16,000
Yugoslavia—						
Bullion	(a)	(a)	(a)	2,428,000	1,756,000	2,181,000
Belgian Congo—						
Bullion	31,000	172,000	36,000	41,000	34,000	31,000
Morocco (Southern)—						
Bullion	(a)	299,000	670,000	617,000	525,000	587,000
Honduras (d)—						
Bullion	2,812,578	2,702,424	3,622,906	5,216,283	(a)	(a)
Cuba (e)—						
Bullion, etc.	172,318	163,211	167,895	179,479	366,673	216,489
Mexico—						
Bullion, etc.	29,000,000	24,000,000	36,930,000	42,356,000	38,831,000	33,753,000
Nicaragua—						
Bullion	188,000	246,000	230,000	207,000	235,000	221,000
Salvador—						
Bullion	354,000	354,000	328,000	238,000	212,000	134,000
United States—						
Ore and base bullion ..	65	—	—	29,917	71,074	2,058,401
Refined bullion	6,393,925	2,004,933	1,022,773	1,672,618	4,821,635	3,442,479
Bolivia—						
Ores, etc.	7,164,118	7,065,608	6,787,440	(c)5,043,680	5,851,274	7,543,304
Chile—						
Ores	473,195	820,176	1,197,740	1,220,521	1,533,437	(a)
Peru—						
Ores and concentrates	6,807,015	7,141,286	7,184,701	8,918,409	8,961,158	10,640,940
Bullion (c)	6,633,826	8,748,541	8,203,123	10,002,418	11,004,196	10,083,953
Matte, slag, etc.	120,369	335,605	309,259	270,549	342,634	536,024
Japan—						
Bullion, beaten, rolled or drawn	(a)	(a)	6,356,000	4,013,000	963,000	644,000
Philippine Republic—						
Concentrates	—	24,700	69,134	39,268	10,181	—
Bullion	7,000	74,000	—	—	2,785	8,370

(a) Information not available.

(b) Including foreign produce.

(c) Revised.

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ores	2,805,000	3,668,000	3,603,000	3,467,000	4,472,000	4,326,000
Unrefined bullion	1,590,915	1,840,268	2,068,943	951,933	2,155,316	4,004,141
Refined bullion	10,191,575	8,381,916	31,656,236	22,167,632	27,296,133	16,286,379
Malta—						
Bullion	3,700	3,200	5,800	3,400	4,400	9,500
Ghana—						
Bullion	59,954	148,277	115,465	104,123	105,440	65,907
Kenya and Uganda—						
Bullion	300	200	300	—	—	—
Nigeria—						
Bullion	47,575	4,574	—	3,345	24,030	16,730
Sierra Leone—						
Bullion	1,251	2,633	3,443	3,295	1,428	1,380
Union of South Africa—						
Bullion	782,076	1,048,983	502,950	—	6,242	4,225
Zanzibar—						
Bullion	50	—	—	—	—	600
Canada—						
Bullion	1,050,299	145,898	287,497	60,165	87,128	1,010,180
British Guiana—						
Bullion	90	40	—	800	—	1,300
British West Indies—						
Jamaica—						
Bullion	600	600	—	1,200	2,200	1,100
Trinidad and Tobago—						
Bullion	40	6,800	—	—	1,700	(a)
Ceylon—						
Bullion	37,000	40,000	50,000	1,200	5,000	2,000
Cyprus—						
Bullion	4,800	3,300	4,600	1,300	6,300	4,800
Hong Kong—						
Bullion	893,000	1,027,000	336,000	110,000	134,000	162,000
India—						
Bullion	135,395	107,762	201,083	—	399	10,822
Malaya—						
Bullion	5,400	200	800	300	600	400
Sarawak—						
Bullion	2,900	900	40	17,000	2,400	60
Australia—						
Bullion and matte	79,186	124,440	63,123	103,818	75,871	102,252
Fiji—						
Bullion	233	—	130	280	—	—
New Zealand—						
Bullion	674	315	21,677	59,123	30,556	41,038
Beaten, rolled drawn	5,800	600	800	1,400	4,000	5,600
Irish Republic—						
Bullion	—	—	—	—	2,100	1,100
FOREIGN COUNTRIES						
Austria—						
Bullion	(a)	(a)	127,000	174,000	1,174,000	1,564,000
Belgium-Luxemburg						
E.U.—						
Bullion and scrap	4,557,000	(a)	1,511,000	3,000,000	704,000	1,952,000

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

(a) Information not available.

IMPORTS OF SILVER (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Denmark—						
Bullion	836,000	1,065,000	1,318,000	1,160,000	1,060,000	1,110,000
Beaten, rolled or drawn	1,032,000	849,000	977,000	1,009,000	1,141,000	1,168,000
Finland—						
Bullion, etc.	1,360,000	202,000	3,100	430,000	335,000	1,201,000
France—						
Bullion and scrap (d) ..	3,896,000	4,221,000	8,627,000	9,379,000	9,116,000	12,492,000
Beaten, rolled or drawn	60,000	57,000	43,500	91,000	173,000	672,000
Germany (Federal)—						
Bullion	(a)	(c)7,334,000	2,506,000	15,039,000	24,218,000	27,367,000
Italy—						
Bullion and scrap (d) ..	1,093,000	2,424,000	4,556,000	7,712,000	7,020,000	5,438,000
Netherlands—						
Bullion and scrap ..	(b)1,247,000	1,211,000	1,732,000	1,704,000	1,608,000	1,622,000
Norway—						
Bullion	(a)	(a)	957,000	992,000	974,000	829,000
Beaten, rolled or drawn	577,000	906,000	785,000	1,015,000	992,000	1,153,000
Portugal—						
Bullion and scrap ..	(a)	1,564,000	1,389,000	1,147,000	2,010,000	2,853,000
Beaten, rolled and drawn	(a)	9,000	2,000	9,000	18,000	11,000
Sweden—						
Bullion	1,800,000	1,124,000	2,499,000	4,527,000	901,000	1,287,000
Switzerland—						
Bullion	3,110,000	1,950,000	2,938,000	5,800,000	5,400,000	4,331,000
Algeria—						
Bullion and scrap (d) ..	41,000	99,000	93,000	74,000	121,000	124,000
Beaten, rolled or drawn	76,000	130,000	114,000	136,000	196,000	140,000
Egypt—						
Bullion and scrap ..	(a)	13,500	5,600	7,000	16,500	(a)
Sudan—						
Bullion	30	20,600	6,600	—	—	(a)
Guatemala—						
Bullion	—	82,000	—	—	54,000	200
United States—						
Ore and base bullion ..	29,020,568	30,779,137	37,685,219	49,008,443	55,658,175	63,125,065
Refined bullion ..	51,990,826	44,737,809	43,824,916	41,888,631	28,861,015	99,706,716
Brazil—						
Bullion	1,215,000	320,000	341,000	1,106,000	284,000	434,000
Colombia—						
Bullion and scrap ..	40,000	211,000	186,000	487,000	1,041,000	812,000
Turkey—						
Bullion, etc.	7,600	112,000	72,000	24,000	25,000	500

(a) Information not available.

(b) Gross weight.

(c) April to December only.

(d) Revised.

STRONTIUM MINERALS
PRODUCTION OF STRONTIUM MINERALS
(Long tons)

Producing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Celestite	16,350	8,100	2,965	2,100	4,750	9,200
Pakistan—						
Celestite	136	431	820	349	434	220
FOREIGN COUNTRIES						
Italy—						
Celestite	—	25	—	(a)	(a)	(a)
Tunis—						
Celestite	171	—	—	—	—	—
Strontianite	399	30	—	—	—	—
Mexico (b)—						
Celestite	1,932	1,178	2,209	1,723	1,786	2,130
Argentina—						
Celestite	(a)	(a)	(a)	(a)	(a)	358

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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Celestite (b)	10,689	7,286	3,940	1,236	3,619	6,357
FOREIGN COUNTRIES						
France—						
Strontianite	10	—	—	2	5	(a)
Oxide	6	6	1	—	—	—
Germany (Federal)—						
Strontianite and celestite	(c) (d) 49	—	—	—	12	27
Strontium compounds	15	—	—	—	(a)	(a)
Italy—						
Strontianite and celestite	962	1	42	—	—	—
Tunis—						
Strontianite	428	(a)	—	—	689	—
Celestite	70	(a)	—	—	—	—
Mexico—						
Celestite	1,932	1,178	2,209	1,723	1,786	2,130

(a) Information not available.

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

(c) January to September only.

(d) Including witherite.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
New Zealand— Strontium compounds	(£NZ54)	(£NZ398)	(£NZ138)	(£NZ265)	(a)	(a)
FOREIGN COUNTRIES						
France—						
Celestite	111	483	60	60	120	(a)
Strontianite	354	129	—	—	579	(a)
Germany (Federal)—						
Strontianite and celestite	(a)	—	290	321	438	637
United States—						
Strontianite and celestite	12,539	8,497	6,158	2,938	5,468	8,428
Strontium compounds	—	(a)	7	3	3	2
Turkey—						
Strontium compounds	1	1	1	1	2	(a)

(a) Information not available.

SULPHUR
PRODUCTION OF SULPHUR*
(Long tons)

Producing Country and Description	1951	1952	1953	1954	1955	1956	Estimated Sulphur Content					
	1951	1952	1953	1954	1955	1956	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES												
United Kingdom—												
Spent oxide	(a)	(a)	(a)	(a)	(a)	(a)	141,300	104,800	136,300	145,400	129,821	130,248
Anhydrite	(a)	(a)	(a)	(a)	(a)	(a)	216,300	232,400	242,000	233,500	280,912	(g) 146,909
Other (b)	(a)	(a)	(a)	(a)	(a)	(a)	5,400	14,900	25,700	40,800	45,891	52,973
Canada—												
Smelter gas	(a)	(a)	(a)	(a)	(a)	(a)	139,667	143,346	153,750	197,542	200,408	233,120
Hydrogen sulphide (d) ..	—	(a)	(a)	(a)	(a)	(a)	—	7,974	16,337	20,821	23,193	31,057
Australia—												
Sulphur recoverable from:												
zinc concentrates	(a)	(a)	(a)	(a)	(a)	(a)	99,900	105,800	120,700	130,500	122,600	143,407
lead concentrates	(a)	(a)	(a)	(a)	(a)	(a)	(a)	13,000	15,500	16,500	22,000	41,756
Spent oxide	12,000	12,000	13,579	11,702	13,778	14,692	4,717	4,211	5,432	4,680	5,511	5,877
New Zealand	—	486	—	—	—	—	—	(a)	—	—	—	—
FOREIGN COUNTRIES												
France—												
Sulphur rock	265,636	378,664	301,375	—	—	—	10,905	17,692	10,710	—	—	—
Greece—												
Sulphur rock	—	—	10,152	20,596	28,575	9,930	(a)	—	1,200	2,500	3,400	1,200
Italy—												
Sulphur rock	1,707,806	1,846,692	1,892,142	1,712,990	1,734,754	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Fused (e)	197,382	232,705	224,160	200,214	176,916	170,093	197,382	232,705	224,160	200,214	176,916	170,093
Ground sulphur rock (e)	22,120	21,489	16,940	22,803	21,560	22,218	6,600	6,400	5,100	6,800	6,500	6,700
Norway (c)	96,854	103,133	101,703	99,086	98,863	95,408	96,563	102,824	101,672	99,056	98,833	95,378
Portugal (c)	13,903	15,510	16,697	16,099	15,465	16,922	13,722	15,308	16,480	15,890	15,264	16,702
Spain—												
Sulphur rock	49,846	35,795	37,849	39,736	45,819	43,569	13,500	9,600	10,600	12,300	12,800	12,200
Refined sulphur (f) .. .	42,243	51,859	40,224	43,327	57,079	50,808	42,243	51,859	40,224	43,327	57,079	50,808
Sweden—												
Sulphur	14,796	17,781	23,702	27,425	28,419	30,338	14,796	17,781	23,702	27,425	28,419	30,338

* See also Pyrites (page 289).

(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.

(g) For sulphuric acid manufacture only.

PRODUCTION OF SULPHUR (cont.)

Producing Country and Description	Estimated Sulphur Content					
	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Egypt (h)	(a)	3,073	3,266	3,736	3,755	(a)
Mexico—						
Refined sulphur (e)	10,904	11,784	6,000	62,000	510,181	734,569
United States—	19,444	36,504	27,591	32,000	28,000	30,000
Crude sulphur (f)	5,278,249	5,293,145	5,155,342	5,514,640	5,738,978	6,423,883
Sulphur ore (g)	3,945	8,536	151,819	214,157	199,299	60,402
Smelter gas (b)	736,672	774,177	775,969	791,049	992,903	(a)
By-product sulphur (c)	187,109	254,287	344,020	361,391	401,134	(a)
Hydrogen sulphide (c)	70,257	77,307	92,787	85,255	106,129	(a)
Argentina—						
Refined sulphur	7,560	15,000	16,000	17,000	(a)	(a)
Bolivia (exports)—						
Refined sulphur	7,638	5,497	2,458	2,566	3,976	3,418
Chile—						
Refined sulphur	29,820	48,054	32,275	45,526	50,782	37,372
Colombia—						
Refined sulphur	2,274	2,566	2,660	5,100	5,400	5,000
Ecuador—						
Sulphur	1	2,600	1,000	(a)	(a)	(a)
Peru—						
Crude	2,018	—	(a)	—	—	(a)
Refined sulphur	1,040	5,066	4,516	—	—	(a)
Formosa—						
Refined sulphur	2,732	5,001	3,423	5,873	4,854	7,864
Iran—						
Sulphur (d)	1,500	1,500	(a)	(a)	250	(a)
Japan—						
Refined sulphur	140,181	176,651	186,555	184,744	199,675	243,312
Philippine Republic (i)	(a)	(a)	(a)	(a)	(a)	(a)
Turkey—						
Refined sulphur	7,273	8,248	9,693	9,837	11,318	13,680

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

(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.

(b) Produced in treatment of industrial gases.

(c) Estimated.

(d) Recovered from natural gas.

EXPORTS OF SULPHUR
(Domestic Produce)
(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom ..	430	1,162	1,181	2,109	2,102	1,293
Union of South Africa ..	25	98	62	75	109	237
Canada	39	—	4,136	2,981	2,274	3,867
Trinidad	(a)	—	831	1,013	2,208	—
Hong Kong (re-exports)	638	92	—	—	—	—
Malaya (including re-exports)	16	13	4	7	3	21
Australia— Zinc concentrates (S content) (b) ..	42,100	61,600	63,500	71,900	62,500	132,800
FOREIGN COUNTRIES						
Belgium-Luxemburg E.U... .. .	4,741	2,761	3,356	3,436	4,595	4,116
France— Rock	308	470	28	25	—	(a)
Crude	2,618	3,632	1,774	5,910	12,727	8,490
Unrefined ground ..	3,277	1,512	644	600	1,126	1,946
Refined lump	10,796	3,446	2,423	5,680	5,379	1,553
Flowers of sulphur ..	313	248	85	12	18	1,903
Precipitated sulphur ..	8	20	2	2	1	542
Germany (Federal)	1,323	8,580	18,315	15,707	19,700	24,178
Italy— Crude	78,957	50,747	6,832	518	44,306	122,500
Refined	26,585	27,011	5,397	7,694	5,658	6,600
Flowers of sulphur ..	374	345	262	345	413	555
Precipitated sulphur ..	6	20	10	—	17	—
Netherlands— Crude	—	2,684	8,667	8,031	4,625	3,891
Refined	4	225	340	697	24	102
Norway	69,062	60,655	64,836	97,692	77,802	70,452
Portugal	6,685	2,660	480	651	573	469
Spain— Crude	1,364	1,025	—	—	—	—
Refined	4,340	991	3	—	—	—
Sweden	157	375	4,488	4,296	1,295	1,065
Mexico	6,844	8,940	4,462	49	177,500	493,990
United States— Crude	1,283,073	1,304,154	1,251,951	1,661,258	1,609,944	1,655,982
Refined and flowers of sulphur	24,044	34,213	29,475	30,130	34,487	24,006
Bolivia	7,638	5,497	2,458	2,566	3,976	3,418
Chile	12,748	29,107	16,105	19,200	47,700	(a)
Colombia	1,585	591	—	—	98	—
Ecuador	(a)	(a)	2,472	52	2,211	(a)
Peru	2,875	4,635	603	997	98	49
Iran (c)— Crude	711	2,862	171	122	(a)	(a)
Refined	294	47	38	—	(a)	(a)
Japan	3	43,290	14,921	14,874	5,387	595
Turkey	1,104	—	—	—	837	5,413

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom ..	377,220	407,139	196,736	374,618	358,654	352,480
Malta—						
Crude	(a) 215	(a) 36	(a) 159	69	32	2
Flowers of sulphur ..				(£4,718)	(£8,060)	(£4,460)
Kenya	(b) 204	310	59	40	111	131
Mauritius	—	5	—	25	1	93
Northern Rhodesia ..	2	1	1	(c)	(c)	(c)
South West Africa ..	11	76	32	49	(g)	(g)
Southern Rhodesia ..	17	14	28	(d) 65	(d) 19	(d) 32
Tanganyika	—	76	36	18	149	236
Uganda	208	198	326	117	602	261
Union of South Africa ..	59,503	72,558	71,479	66,123	(h) 93,910	(h) 111,295
British Guiana	8	3	(b) 1	—	—	—
Canada	353,404	370,668	320,629	276,899	333,352	421,557
Trinidad and Tobago ..	1,387	416	13	19	15	22
Ceylon	382	4,077	2,454	3,593	3,532	2,438
Cyprus	1,188	1,051	2,038	518	383	948
Hong Kong (total imports) ..	33	10	—	1,098	1,421	776
India (total imports) ..	38,507	65,776	51,884	65,664	83,589	83,427
Malaya (total imports) ..	180	150	120	255	223	277
Pakistan	(e) 318	(e) 500	(e) 569	(e) 1,186	(e) 773	1,036
Australia (f)	165,933	84,129	132,203	191,812	192,584	205,880
New Zealand	73,759	79,245	87,399	133,219	127,985	89,393
Irish Republic	238	284	183	192	286	1,628
FOREIGN COUNTRIES						
Austria	18,911	20,845	18,894	30,848	16,629	26,763
Belgium-Luxemburg ..						
E.U.	59,211	40,158	30,246	50,227	79,218	67,192
Denmark	785	573	533	954	1,061	1,371
Finland—	35,936	27,215	20,417	42,119	52,811	59,770
France—						
Rock	2,382	—	—	—	—	(a)
Crude	119,814	116,440	101,799	212,719	223,616	271,948
Unrefined ground ..	32	—	43	1,093	55	80
Refined lump	—	1,969	4,728	1	24	158
Flowers of sulphur ..	—	20	20	3,190	318	19
Precipitated	7	25	10	6	12	62
Germany (Federal) ..	20,231	32,934	14,556	36,287	55,902	62,415
Greece	11,808	7,875	10,769	9,392	12,499	9,290
Netherlands	3,274	1,776	836	855	2,287	7,293
Norway	69	74	146	197	187	1,868
Portugal—						
Crude	195	—	4,429	—	2,302	1,145
Flowers of sulphur ..	2	10	40	130	304	394
Other sulphur	6	8	20	41	51	63

(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.

(f) Revised to years ended June 30 of that stated.

(g) Included with the Union of South Africa.

(h) Includes South West Africa.

IMPORTS OF SULPHUR (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Spain—						
Crude	2,801	14	3,937	2,867	6,193	14,065
Refined, etc.	50	44	12	12	20	46
Sweden	60,263	40,220	33,511	42,187	70,495	78,650
Switzerland—						
Crude and ground	16,280	19,647	22,593	66,775	75,582	45,551
Flowers of sulphur	329	244	122	219	257	267
Yugoslavia	2,397	5,353	(a)	5,799	5,737	69
Algeria—						
Rock	42	229	20	—	—	—
Crude	16,073	18,694	14,160	15,826	25,354	17,352
Unrefined, ground	2,409	1,207	486	275	649	1,362
Refined	5,109	915	489	754	683	444
Flowers of sulphur	182	177	28	3	9	20
Precipitated	5	15	—	—	—	331
Angola	48	123	40	44	154	69
Belgian Congo	109	254	220	107	120	294
Egypt	5,034	4,768	5,721	4,563	6,892	(a)
Madagascar	63	51	44	33	34	61
Morocco (Southern)—						
Crude	3,105	3,842	8,146	7,141	6,987	3,450
Refined	2,018	1,031	1,641	2,308	2,445	434
Mozambique	1,025	159	472	559	641	882
Tunis—						
Crude and unrefined	11,434	(a)	10,577	18,257	23,613	38,125
Refined and flowers of sulphur	216	(a)	83	381	410	268
Costa Rica (total imports)	(a)	(a)	49	71	39	10
Cuba (total imports)	8,352	11,302	11,500	11,334	11,863	(a)
Guatemala (total imports)	113	92	173	173	80	125
Mexico (total imports)	10,478	5,978	7,384	5,632	8,587	105
Netherlands West Indies	6,025	21,001	2,851	15,201	4,004	(a)
Nicaragua (total imports)	63	135	161	121	129	21
Salvador	44	191	100	88	81	95
United States	2,376	4,863	1,229	1,214	24,524	203,300
Argentina—						
Crude	10,999	23,017	31,331	1,202	—	21,291
Refined and flowers of sulphur	(a)	75	52	98	66	25
Brazil (total imports)						
Crude	58,597	79,709	52,839	83,637	64,269	91,787
Refined	(a)	(a)	9,438	6,547	1,671	1,281
Colombia (total imports)	1,375	279	660	431	448	384
Ecuador	112	79	74	58	39	20
Peru	636	2,671	2,836	5,918	3,207	2,502
Uruguay	1,393	3,771	2,567	5,005	6,658	1,215
Venezuela (total imports)	(a)	295	1,245	1,242	1,672	2,130
Burma (total imports)	(a)	(a)	351	152	278	210
Indonesia	7,120	10,098	5,830	6,013	10,682	9,941
Israel	2,521	7,033	4,047	3,384	(a)	(a)
Lebanon	540	606	722	761	982	1,159
Philippine Republic	68	122	12,443	3,715	1,106	1,814
Syria	299	(a)	618	461	(a)	(a)
Siam (total imports)	(a)	(a)	335	240	507	143
Turkey—						
Refined and flowers of sulphur	—	109	74	1,003	468	28

(a) Information not available.

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

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain	2,500	2,586	3,940	3,970	5,036	3,813
Kenya (b)	332	231	155	99	—	—
Southern Rhodesia ..	—	—	5	2	—	—
Union of South Africa (c)	5,573	8,537	7,120	7,120	1,412	1,757
Canada (shipments) ..	22,184	22,350	24,471	25,128	24,250	25,900
India	33,647	20,772	29,135	42,326	42,390	46,855
Australia—						
Talc	12,596	7,320	9,806	12,940	12,567	13,025
Pyrophyllite	552	285	129	184	266	328
FOREIGN COUNTRIES						
Austria	71,634	50,096	50,426	60,991	69,558	65,012
France	101,615	107,914	107,762	117,995	118,467	128,000
Germany (Federal) ..	52,371	37,861	40,145	48,051	49,617	50,425
Greece	2,584	1,200	—	1,139	2,070	(a)
Italy	74,796	80,255	81,293	84,322	98,475	91,401
Norway	75,271	63,062	60,579	70,357	66,150	(a)
Portugal	1	6	16	5	10	85
Spain	22,271	18,121	18,500	20,443	22,471	27,152
Sweden	11,454	7,607	8,048	12,273	11,244	11,974
Egypt	3,698	4,527	2,240	2,520	6,102	(a)
United States—						
Talc	464,665	424,475	453,644	439,546	506,472	510,074
Pyrophyllite	107,171	112,050	110,229	113,127	141,482	149,782
Argentina	(d) 15,000	(d) 16,000	(a)	(a)	23,000	25,000
Brazil	11,125	19,164	20,952	19,613	24,276	27,396
Chile	25	(a)	(a)	(a)	(a)	(a)
Peru—						
Talc	129	122	—	—	595	(a)
Pyrophyllite	—	—	—	—	2,715	(a)
Uruguay	944	668	605	1,042	1,115	1,410
Afghanistan	830	790	600	640	(d) 710	(d) 800
Formosa	2,025	1,076	1,736	6,956	5,185	6,034
Japan—						
Talc	12,011	10,401	14,198	17,624	20,160	30,546
Pyrophyllite	382,288	302,956	309,188	202,194	204,374	278,246
Korea (South)—						
Talc	3,157	3,901	8,463	8,195	6,103	6,107
Pyrophyllite	1,053	9,675	15,629	10,524	4,694	7,837
TOTAL*	1,490,000	1,330,000	1,390,000	1,340,000	1,470,000	1,580,000

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

(a) Information not available.

(b) Kisii stone.

(c) In addition the following amounts of Wonderstone were produced (long tons): 1951—306; 1952—3,735; 1953—364; 1954—337; 1955—213; 1956—237.

(d) Estimated.

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

Exporting Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Canada	3,342	3,067	2,623	3,222	3,954	2,333
India	5,344	4,060	7,384	6,361	7,869	7,672
Malaya (re-exports) ..	651	539	(a)	244	211	280
Australia (b)	(a)	(a)	(a)	1,942	2,365	2,507
FOREIGN COUNTRIES						
Austria	34,984	30,442	32,589	44,109	49,010	49,151
Belgium-Luxemburg ..						
E.U.	120	83	48	62	57	75
France	35,081	23,115	24,278	28,644	36,064	29,054
Germany (Federal) ..	424	938	306	746	926	1,115
Italy	32,021	26,117	32,623	30,216	40,939	38,807
Norway	50,562	39,680	39,895	50,182	55,390	51,756
Egypt	2,739	2,005	934	(a)	(a)	(a)
United States	20,449	20,498	20,599	20,846	31,455	37,797
Korea (South)	2,018	4,570	5,947	6,899	10,374	6,094

(a) Information not available.

(b) Years ended June 30 of that stated.

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

Importing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Unground	1,135	1,200	956	599	1,189	1,618
Ground	34,944	26,308	28,767	33,266	37,661	36,574
Canada	8,289	7,810	10,580	11,064	10,163	14,517
Ceylon	(a)	(a)	296	444	523	961
Cyprus	21	15	(a)	(a)	(a)	(a)
Malaya (total imports) ..	558	504	(a)	1,901	3,066	2,952
Australia (b)	377	239	52	281	—	233
FOREIGN COUNTRIES						
Austria	—	49	379	461	412	644
Belgium-Luxemburg						
E.U.	8,234	8,025	7,598	7,556	10,770	10,119
Denmark	7,979	6,297	6,962	8,393	9,208	8,259
Finland	5,048	3,019	1,221	2,568	2,749	1,736
France	1,938	924	1,819	2,202	2,273	2,076
Germany (Federal) .. .	18,583	21,099	23,673	29,776	36,720	37,973
Italy	5	125	291	693	1,238	2,438
Netherlands	11,582	9,581	10,586	10,906	12,200	12,325
Portugal	553	381	554	627	606	595
Sweden	1,845	2,572	1,511	1,821	2,087	1,546
Yugoslavia	93	73	101	166	165	82
Algeria	1,546	1,689	1,718	1,716	3,172	1,776
Belgian Congo	152	179	148	268	190	293
Egypt	2,499	329	294	202	427	(a)
Morocco (Southern) .. .	(a)	374	993	930	2,046	847
Tunis	264	(a)	310	480	452	243
Guatemala (total imports) ..	(a)	6	11	21	16	14
Mexico (total imports) .. .	1,230	1,719	942	1,165	2,497	5,698
Panama Republic (total imports)	35	21	95	(a)	(a)	(a)
United States	18,430	18,127	20,360	19,784	25,964	20,849
Argentina	(a)	36	—	—	—	—
Brazil (total imports) .. .	15	—	—	14	18	—
Chile	56	34	28	47	105	(a)
Colombia (total imports) ..	646	293	480	610	1,101	1,393
Ecuador	209	110	112	173	188	79
Peru	376	386	406	304	484	300
Venezuela (total imports) ..	(a)	494	499	887	(a)	882
Japan	4,509	6,641	13,082	10,777	20,204	19,414
Lebanon	104	116	144	112	47	56
Philippine Republic .. .	1,297	775	714	1,365	982	890
Syria	33	(a)	133	209	(a)	(a)
Turkey	117	99	160	224	118	100

(a) Information not available.

(b) Years ended June 30 of that stated.

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

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Nigeria—						
Tantalite	3	1	—	10	15	14
Columbite	1,078	1,293	1,959	2,914	3,146	2,604
Sierra Leone—						
Columbite	—	—	—	5	4	—
Southern Rhodesia—						
Tantalum concentrates	—	4	13	6	2	13
Columbite	—	1	3	8	5	2
South West Africa—						
Columbite	—	—	—	1	5	—
Tantalite and columbite	2	2	8	12	6	6
Uganda—						
Tantalite	—	5	13	10	15	2
Columbite	6					
Tin-columbite	(336lbs.)	(3,248lbs.)	2	3	(515lbs.)	—
Union of South Africa—						
Tantalite	3	4	17	21	11	1
British Guiana—						
Columbite	—	—	5	2	2	—
India—						
Columbite	(14 lbs.)	(1,525 lbs.)	(483 lbs.)	(b)	5	(a)
Malaya—						
Columbite	25	47	52	111	236	276
Australia—						
Tantalite and columbite	2	7	8	53	12	71
FOREIGN COUNTRIES						
Norway—						
Niobium concentrates	—	—	(c) 555	(c) 175	(c) 302	256
Portugal—						
Tantalite and columbite	—	—	137	82	50	27
Belgian Congo—						
Tantalite and columbite concentrates	94	103	279	432	432	330
Tin-tantalite-columbite	1,159	1,256	1,596	2,664	(d) 2,824	(d) 2,717
French Equatorial Africa—						
Tantalite and columbite	—	2	2	3	1	—
Madagascar—						
Columbite	4	3	4	16	17	9
Mozambique—						
Tantalite	—	—	—	—	2	3
Columbite	5	15	26	42	34	26
United States—						
Tantalite	(925lbs.)	—	7	15	6	95
Columbite						
Argentina—						
Tantalite and columbite	(a)	(a)	(a)	(a)	5	5
Bolivia (exports)—						
Columbite	—	—	3	(a)	1	—
Brazil—						
Tantalite	(e) 4	(e) 24	(e) 18	(e) 48	(e) 57	(e) 93
Columbite	(e) 5	(e) 2	(e) 29	(e) 193	(e) 76	(e) 176
French Guiana—						
Tantalite and columbite	(a)	(a)	6	14	10	7

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 and 281 tons of tantalite-columbite in 1955 and 1956 respectively.

(e) Exports.

EXPORTS OF TANTALUM AND NIOBIUM MINERALS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Nigeria—						
Tantalite	2	1	—	5	9	15
Columbite	1,092	1,228	1,855	2,524	3,047	2,406
Sierra Leone—						
Columbite	—	—	—	5	4	—
South West Africa—						
Tantalite	3	4	6	16	2	3
Southern Rhodesia—						
Columbite	—	—	4	6	8	2
Tantalum concentrates	—	5	17	5	4	19
Uganda—						
Tantalite and columbite	5	4	11	14	14	4
Union of South Africa—						
Tantalite	3	—	11	7	8	—
British Guiana—						
Columbite	—	—	5	—	3	—
Malaya (b)—						
Columbite	24	55	20	113	187	184
Australia (c)—						
Tantalite and columbite	4	5	15	69	47	41
FOREIGN COUNTRIES						
Portugal—						
Tantalite and columbite	2	(a)	108	83	79	31
Belgian Congo—						
Tantalite and columbite	234	212	360	565	651	606
Tantaliferous slag	6,699	824	626	2,811	1,427	733
French Equatorial Africa—						
Tantalite and columbite	2	1	(a)	1	3	—
Madagascar—						
Columbite	—	2	5	6	22	12
Mozambique—						
Columbite	(a)	(a)	23	42	32	18
United States—						
Tantalite	(41lbs.)	(1,058lbs.)	9	—	—	1
Columbite	—	—	—	(192lbs.)	3	5
Bolivia—						
Columbite	—	—	3	(a)	1	(a)
Brazil—						
Tantalite	4	24	18	48	57	93
Columbite	5	2	30	119	106	79

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; 1956—(a).

(c) Revised to years ended June 30 of that stated.

IMPORTS OF TANTALUM AND NIOBIUM MINERALS

(Less Re-exports)

(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Tantalite and columbite	538	577	344	272	268	744
Tantalum powder, sheet, etc.	(377lbs.)	(184lbs.)	(373lbs.)	(494lbs.)	(1,632lbs.)	(4,353lbs.)
FOREIGN COUNTRIES						
Germany (Federal)—						
Tantalite	(a)	33	6	98	2	1
Columbite	(a)	2	2	91	142	261
United States—						
Tantalite	106	147	339	437	856	586
Columbite	681	838	1,869	3,038	4,291	2,544

(a) Information not available.

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

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain	837	918	938	920	1,037	1,066
Nigeria	8,539	8,303	8,228	7,926	8,159	9,067
Northern Rhodesia	2	11	7	1	—	—
Southern Rhodesia	59	36	29	14	209	354
South West Africa	75	(b) 96	(b) 165	(b) 367	407	475
Swaziland	32	36	36	35	27	29
Tanganyika	61	44	48	37	40	15
Uganda	120	107	90	83	59	26
Union of South Africa	761	935	1,361	1,315	1,283	1,442
Canada	155	95	287	149	220	273
Malaya	57,167	56,838	56,254	60,690	61,244	62,296
Australia	1,577	1,643	1,553	2,075	2,017	2,078
TOTAL	69,385	69,062	68,996	73,612	74,702	77,121
FOREIGN COUNTRIES						
France	93	285	493	525	450	400
Germany (Eastern)	257	395	563	669	669	660
Portugal	1,211	1,462	1,367	1,283	1,445	1,276
Spain (d)	1,010	903	1,241	1,020	822	540
Belgian Congo	13,729	13,806	15,293	15,084	15,303	14,764
Cameroon (French)	72	86	86	82	85	85
Egypt	5	6	—	5	—	—
French West Africa	65	107	92	71	47	56
Morocco (French)	13	15	9	5	14	5
Mozambique	8	4	—	—	—	—
Mexico	366	413	476	349	605	501
United States	88	100	56	205	100	8
Argentina	237	261	153	94	85	69
Bolivia (c)	33,132	31,959	34,825	27,283	27,921	26,421
Brazil	197	229	209	167	146	180
Peru	3	31	—	—	—	—
Burma	1,624	1,103	1,361	800	1,114	(b) 930
China (smelter) (b)	4,800	5,400	6,300	7,500	8,400	8,400
Indonesia	30,986	35,002	33,750	35,861	33,366	29,579
Japan	433	639	737	716	896	926
Laos	92	157	280	110	253	240
Siam	9,503	9,479	10,126	9,776	11,022	12,481
Total	97,800	101,900	107,000	103,200	102,700	97,500
WORLD'S TOTAL (excl. U.S.S.R.)	167,200	171,000	176,000	176,800	177,400	174,600

(a) Information not available.

(b) Estimated.

(c) Content of ore plus metal exported.

(d) Revised.

SMELTER PRODUCTION OF TIN
(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom ..	27,650	29,521	28,860	27,475	27,241	26,434
Southern Rhodesia ..	63	37	27	19	22	17
Union of South Africa ..	829	694	828	752	779	756
Canada	155	95	—	—	—	—
Malaya	65,914	62,830	62,410	71,163	70,632	73,263
Australia	1,459	1,699	1,443	2,063	2,004	1,850
TOTAL	96,070	94,876	93,568	101,472	100,678	102,320
FOREIGN COUNTRIES						
Belgium	8,360	10,585	9,039	11,377	10,432	10,288
Germany—						
Federal Republic ..	581	758	694	—	280	660
Eastern	316	563	(b) 480	600	605	600
Netherlands	20,977	27,913	26,950	28,442	26,566	27,749
Portugal	313	340	472	664	1,018	1,127
Spain	884	753	823	676	608	576
Belgian Congo	3,011	2,765	2,715	2,459	3,034	2,772
Mexico (b)	350	300	240	300	240	240
United States	31,852	22,805	37,562	27,407	22,329	17,631
Argentina	206	185	130	60	99	61
Bolivia (exports) ..	39	257	174	196	107	404
Brazil	133	116	553	1,850	1,184	1,523
China (b)	4,800	5,400	6,300	7,500	8,400	8,400
Indonesia	217	224	644	1,351	1,770	1,500
Japan	575	637	807	828	981	1,104
Siam	—	17	—	—	—	—
TOTAL	72,500	73,600	87,600	83,700	77,700	74,700
WORLD'S TOTAL .. (excl. U.S.S.R.)	168,600	168,500	181,200	185,200	178,400	177,000

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

	Long tons		Long tons
1951	30,745	1954	26,190
1952	28,804	1955	28,342
1953	27,602	1956	29,440

(a) Information not available.

(b) Estimated.

EXPORTS OF TIN
(Domestic Produce)
(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Blocks, ingots, bars and slabs	4,912	12,565	13,759	8,118	8,456	7,267
Soft solder	2,618	1,828	1,768	1,971	2,402	2,016
Tin-foil	120	48	52	71	88	(a)
Nigeria—						
Ore	11,753	10,575	12,136	10,309	11,399	13,364
Southern Rhodesia—						
Ore and concentrates ..	—	—	22	2	33	177
Blocks, ingots and bars ..	5	2	4	—	10	120
South West Africa—						
Ore	57	127	(b) 183	406	332	524
Tanganyika—						
Ore and concentrates ..	93	58	68	44	53	26
Uganda—						
Ore	155	159	125	126	94	45
Union of South Africa—						
Concentrates	—	73	904	1,259	1,410	1,990
Middlings	(a)	(a)	—	551	964	—
Canada—						
Concentrates (Sn content)	—	—	288	146	177	(a)
Hong Kong (re-exports)—						
Slabs and ingots	101	28	56	15	16	15
India—						
Blocks, ingots, bars, slabs and scrap ..	—	2,244	744	607	5	479
Malaya—						
Ore	1	—	61	160	48	—
Ingots, blocks, bars, slabs	64,956	64,119	61,752	70,280	71,161	73,279
Australia (c)—						
Ore and concentrates .. (Sn content)	(a)	42	17	26	36	123
Ingots, etc.	—	155	586	49	296	50
FOREIGN COUNTRIES						
Belgium-Luxemburg E.U.—						
Crude	8,484	9,948	9,029	11,352	10,867	9,811
Scrap	68	52	49	20	37	146
Bars, sheets and wire ..	4	2	—	1	—	—
Denmark—						
Crude	11	113	64	11	21	28
Scrap	10	—	1	—	45	70
France—						
Ore	300	217	147	465	749	638
Crude	172	143	196	117	67	14
do. (alloys)	320	277	338	356	339	263
Scrap	12	4	—	9	—	—
Bars, sheets and wire, including alloyed ..	82	66	31	45	36	128
Germany (Federal)—						
Crude, scrap and alloys	302	1,111	1,789	2,292	2,040	2,015
Sheets and wire	23	2	3	2	2	1
Tin-foil	1	3	5	11	4	7

(a) Information not available.

(b) Includes tin-tungsten ore.

(c) Revised to years ended June 30 of that stated.

EXPORTS OF TIN (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Ingots, bars, scrap, sheets, alloys, etc. ..	5	4	25	18	19	9
Netherlands—						
Blocks	19,383	25,432	29,277	28,441	26,002	25,650
Sheets, wire, etc. ..	1	—	1	5	6	9
Norway—						
Bars, sheets and wire ..	151	189	202	196	169	244
Portugal—						
Ore	1,009	1,617	1,096	735	317	116
Bars	14	124	10	161	19	64
Spain—						
Ingots and bars ..	3	395	394	—	394	197
Sweden—						
Crude and scrap ..	12	15	33	87	36	76
Switzerland—						
Pigs, bars, slabs, sheets, etc.	9	26	14	14	23	22
Tin-foil	6	1	2	3	2	2
Scrap	288	171	106	167	151	227
Algeria—						
Ingots, scrap and alloys	44	7	33	20	24	20
Belgian Congo—						
Ore	13,477	15,777	20,099	14,995	17,026	11,920
Ingots	2,655	2,815	2,858	2,340	2,582	2,675
Cameroon (French)—						
Ore	102	128	59	118	177	221
French West Africa—						
Ore	93	150	151	90	70	77
Mexico—						
Ores and concentrates	2,173	621	163	20	25	4
<i>Sn content (c)</i> ..	(a)	243	262	192	302	226
United States						
Ingots, pigs, etc. ..	264	301	128	271	254	667
Scrap	5,519	6,304	5,074	8,119	6,048	4,092
Tubes, sheets, etc. ..	24	15	42	30	62	217
Bolivia—						
Ores, concentrates, etc. (<i>Sn content</i>)	33,093	31,702	34,651	27,283	27,814	26,421
Metal	39	257	174	196	107	404
Peru—						
Bars, impure (<i>Sn content</i>) ..	29	34	23	2	—	—
Burma—						
Ore and concentrates (<i>Sn content</i>)	1,477	1,393	983	614	932	837
China—						
Ingots and slabs (b) ..	3,900	3,900	4,380	5,100	4,800	4,800
Indonesia—						
Ore	43,796	49,731	46,218	46,996	44,198	43,239
<i>Sn content</i>	30,264	34,055	32,215	33,941	31,768	31,159
Metal	1	15	223	994	196	717
Laos—						
Ore (<i>Sn content</i>) ..	92	153	217	7	35	180
Ingots and scrap ..	182	(a)	(a)	(a)	(a)	(a)
Siam—						
Ore (<i>Sn content</i>) ..	8,809	9,488	10,191	9,518	11,039	12,424

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	50,610	55,084	62,363	58,209	61,159	56,911
Blocks, ingots, bars, slabs and soft solder	9,927	(e) 6,275	354	1,949	755	1,116
Ghana—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	(a)	47	32	10
Kenya—						
Unwrought, scrap and solder	101	58	91	91	170	120
Bars, plates and sheets ..	—	—	10	—	—	—
Mauritius—						
Ingots, sheets, etc. ..	11	—	26	(a)	(a)	(a)
Nigeria—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	(a)	90	448	436
Southern Rhodesia—						
Blocks, ingots and bars	33	61	59	(c) 33	(c) 11	(c) 13
Tanganyika—						
Unwrought, scrap and solder	64	90	27	64	85	93
Bars, plates and sheets ..	—	—	5	—	—	—
Uganda—						
Solder	11	16	20	(d) 15	(d) 28	(d) 20
Union of South Africa—						
Blocks, ingots, bars and rods	1,224	551	183	315	480	917
Tin-foil	10	5	10	5	4	1
Canada—						
Blocks, pigs and bars ..	6,135	3,949	3,702	3,836	4,318	3,774
Tin-foil	4	1	7	13	16	7
Aden—						
Blocks, ingots, etc. ..	(e) 3	37	(e) 5	—	564	58
Ceylon—						
Ingots, slabs, etc. ..	33	9	5	34	9	4
Tin solder	23	23	40	37	44	153
Cyprus—						
Ingots and bars ..	6	7	10	8	10	10
Hong Kong (total imports)—						
Slabs and ingots ..	205	114	176	124	134	142
India—						
Blocks, ingots, bars and slabs	2,905	2,177	2,938	3,775	3,640	4,181
Malaya (b)—						
Ore	10,539	7,948	8,648	13,312	15,011	14,968
Bars, sheets, wire, etc. ..	2	—	38	356	24	10
Pakistan—						
Blocks, ingots, bars and slabs	(f) 246	(f) 61	(f) 181	(f) 64	(f) 113	428
Australia (g)—						
Ingots	1,190	1,953	156	844	579	517
Leaf and foil (b) ..	90	35	4	19	17	16
New Zealand—						
Ingots, etc.	450	243	337	448	420	401

(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.

IMPORTS OF TIN (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
Irish Republic—						
Ingots, bars, slabs, etc. <i>c</i>	79	34	56	77	81	60
Soft solder	155	36	68	(a)	(a)	(a)
Tin-foil	19	(a)	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Crude and alloys ..	894	306	340	532	523	526
Belgium-Luxemburg						
E.U.—						
Ore	12,097	12,989	14,319	14,772	13,700	13,869
Crude	1,959	1,262	1,410	1,920	2,147	2,538
Scrap	—	—	—	—	18	2
Bars, sheets and wire ..	4	—	1	—	1	—
Denmark—						
Crude	1,010	1,183	2,750	3,968	5,031	4,831
Scrap	107	258	496	1,161	1,571	1,891
Sheets, wire, etc. ..	44	33	51	53	49	53
Tin-foil	18	6	7	37	39	38
Finland—						
Ingots, bars and scrap ..	719	236	275	511	500	493
France—						
Crude	9,650	6,521	6,976	8,654	9,455	10,364
do. alloyed	75	245	38	65	30	120
Scrap	54	68	38	74	52	93
Sheets, bars, wire ..	3	1	1	2	22	2
Germany (Federal)—						
Ore	1,862	2,208	794	—	2,022	3,454
Crude and scrap ..	8,164	6,410	5,893	7,567	8,596	8,786
Greece	166	209	161	217	222	208
Italy—						
Ingots	4,228	3,147	1,999	2,561	2,988	3,596
Scrap	4	6	6	3	5	—
Sheets, tubes and wire ..	—	—	1	1	—	—
Netherlands—						
Ore	26,966	36,717	35,937	38,658	33,197	40,236
Blocks	2,313	6,041	5,100	3,439	817	1,654
Norway—						
Crude	506	395	282	309	349	383
Bars, sheets, filings, etc.	46	50	47	98	91	144
Portugal—						
Sheets, wire, etc. ..	1	2	1	1	1	1
Spain—						
Ingots and bars ..	372	139	56	99	61	45
Sweden—						
Crude	1,171	857	491	900	929	947
Switzerland—						
Pigs, bars and slabs ..	1,220	513	525	712	698	884
Sheets, wire, foil, etc.	4	6	6	5	5	5
U.S.S.R.—						
Blocks, ingots, etc. (b) ..	100	250	—	—	—	(a)
Yugoslavia—						
Ingots	550	316	504	385	550	942
Algeria—						
Crude, sheets and alloys, etc.	158	180	209	205	176	155
Egypt—						
Crude and scrap ..	664	548	227	229	258	(a)
Madagascar—						
Bars, sheets, etc. ..	30	34	47	23	16	21
Morocco (Southern)—						
Ingots, etc.	256	184	198	305	198	211

(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	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mozambique—						
Bars, sheets, etc. ..	1	3	10	4	3	21
Sudan—						
Unwrought incl. scrap	30	7	15	18	14	16
Tunis—						
Pigs, bars and sheets ..	27	(a)	46	41	41	63
Cuba (total imports)—						
Ingots	52	53	27	44	(a)	(a)
Bars, sheets, etc. ..	31	38	25	26	(a)	(a)
Mexico (total imports)—						
Ingots	302	289	115	410	465	462
United States—						
Ore (<i>Sn content</i>) ..	29,628	26,491	35,973	22,140	20,122	16,688
Blocks, pigs, bars, etc. ..	28,255	80,543	74,570	60,599	64,718	62,600
Scrap	147	376	162	27	20	—
Argentina—						
Ingots and bars ..	4,669	69	314	2,532	2,263	74
Brazil (total imports)—						
Ore	(a)	(a)	60	84	2,046	1,674
Ingots and bars ..	3,313	1,221	448	337	68	419
Colombia (total imports)						
Ingots, bars, sheets, etc.	56	36	36	34	46	71
Chile—						
Ore	100	74	64	103	116	(a)
Ingots	320	234	412	406	400	(a)
Bars and sheets ..	—	3	1	—	—	—
Peru—						
Bars, sheets, etc. ..	32	48	39	51	70	94
Uruguay—						
Ingots, etc.	95	49	71	(a)	(a)	(a)
Venezuela (total imports)						
Crude	86	56	105	172	95	135
Formosa—						
Ingots and slabs ..	101	25	130	262	103	181
Iran (<i>b</i>)—						
Ingots, etc.	58	108	205	118	(a)	(a)
Iraq—						
Ingots	26	22	25	83	58	(a)
Israel—						
Ingots, blocks and slabs	44	17	54	155	111	91
Japan—						
Ingots and slabs ..	2,078	1,744	4,973	5,046	5,712	7,298
Lebanon—						
Crude	23	6	16	7	15	7
Philippine Republic—						
Ingots	143	38	93	111	140	128
Syria—						
Crude and scrap ..	(a)	(a)	90	24	161	86
Turkey—						
Ingots, bars and sheets ..	787	624	1,133	514	665	645

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Gambia (exports)—						
Ilmenite	—	—	—	1,086	—	—
Union of South Africa—						
Ilmenite	—	—	—	—	1,712	1,656
Rutile	—	—	9	—	—	—
Canada (shipments) (b)—						
Ilmenite	333,737	237,912	119,506	277,246	397,888	562,424
India—						
Ilmenite	224,084	224,895	215,259	240,513	250,774	336,000
Rutile	45	147	104	104	149	541
Malaya (exports)—						
Ilmenite ("Amang") ..	43,493	21,698	26,570	44,745	53,875	122,176
Australia—						
Ilmenite concentrates (c)	12,996	7,712	7,815	8,930	(a)	(a)
Rutile concentrates ..	35,189	38,014	38,039	44,659	59,613	96,327
FOREIGN COUNTRIES						
Finland—						
Ilmenite concentrates ..	—	—	3,099	49,790	83,632	101,290
Norway—						
Ilmenite	103,696	116,402	126,090	146,829	155,340	187,491
Rutile (d)	18	42	3	—	9	23
Portugal—						
Ilmenite	166	425	666	503	774	606
Tin-titanium ore	29	67	25	8	48	21
Spain—						
Ilmenite	688	1,259	1,412	1,247	6,596	5,900
Cameroon (French)—						
Rutile	106	289	52	—	99	150
Egypt—						
Ilmenite	321	1,966	1,715	221	2,406	492
French West Africa—						
Ilmenite	3,740	4,549	5,677	11,200	22,883	19,400
Rutile	3	25	—	—	—	580
Madagascar—						
Rutile	—	—	—	—	—	2
Mozambique—						
Rutile	—	—	2	—	—	(a)
United States (e)—						
Ilmenite	478,424	471,954	458,657	489,028	520,575	611,568
Rutile	(f) 6,000	(f) 6,000	6,094	6,617	7,601	10,712
Brazil—						
Rutile	(h) —	(h) 16	(h) —	130	156	302
Japan (g)—						
Ilmenite	(a)	3,564	3,050	4,415	9,246	16,902
WORLD'S TOTAL—						
Ilmenite	1,201,400	1,092,400	969,500	1,275,800	1,508,000	1,974,000
Rutile	41,400	44,500	44,300	51,400	67,500	108,600

(a) Information not available.

(b) Production of titanium dioxide slag (approx. 70% TiO₂) at Sorel was as follows (long tons): 1951—17,538; 1952—37,626; 1953—125,886; 1954—109,786; 1955—145,343; 1956—195,156.

(c) Owing to high chromium and low titanium oxide content sales were as follows (long tons): 1951—1,253; 1952—46; 1953—nil; 1954—469; 1955—535; 1956—4,274.

(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—6,605; 1956—13,031.

(f) Estimated.

(g) Production of metal (commercial titanium sponge) was as follows (long tons): 1952—14; 1953—69; 1954—601; 1955—1,230; 1956—2,472.

(h) Exports.

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

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ferro-titanium ..	535	519	366	304	308	662
Gambia—						
Ilmenite	—	—	—	1,086	—	—
Union of South Africa—						
Ilmenite	—	—	—	—	1,687	879
Canada—						
Ilmenite	1,446	46	4,224	1,073	1,307	2,050
Titanium dioxide slag (70% TiO ₂) ..	7,176	34,850	129,823	106,511	154,381	180,246
Hong Kong (re-exports)—						
Titanium oxide ..	(a)	150	234	456	61	108
India—						
Ilmenite	243,811	173,107	160,993	185,153	246,196	283,201
Rutile sand	45	147	104	104	(a)	(a)
Malaya—						
Ilmenite (“Amang”) ..	43,493	21,698	26,570	44,745	53,874	122,176
Australia—						
Rutile	35,040	37,654	36,076	44,417	59,687	89,887
Ilmenite	980	76	93	171	434	1,130
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Titanium white ..	31	20	108	196	125	675
Finland—						
Ilmenite	—	—	—	25,481	57,802	106,468
France—						
Titanium oxide, etc. ..	1,109	436	964	345	447	210
Italy—						
Titanium oxide	1,037	1,378	2,584	1,633	1,882	4,418
Norway—						
Ilmenite (b)	94,443	113,913	120,331	146,753	163,943	182,607
Rutile	14	21	7	19	9	19
Portugal—						
Ilmenite	(a)	100	—	541	1,838	615
Sweden—						
Titanium minerals ..	953	900	405	196	282	612
Cameroon (French)—						
Rutile	705	190	84	204	45	209
French West Africa—						
Ilmenite	3,921	3,344	3,804	11,556	19,290	19,573
Rutile	—	5	—	—	—	561
United States						
Ores and concentrates ..	577	777	1,221	592	1,021	1,641
Ferro-titanium	157	290	165	153	219	325
Titanium oxide and pigments	35,037	31,818	35,518	56,966	48,530	57,827
Brazil—						
Titanium minerals ..	—	16	—	—	—	5
Japan—						
Titanium sponge metal	—	7	44	422	(a)	(a)
Titanium oxide	567	451	350	3,367	7,747	9,433

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ilmenite	78,113	102,590	93,837	145,736	192,146	204,237
Rutile	9,102	8,152	7,463	7,596	12,539	10,502
Titanium sponge ..	(a)	(a)	(a)	(a)	132	—
Other titanium metal ..	(a)	(a)	(a)	(a)	34	9
Titanium oxide ..	(a)	163	922	5,863	4,374	3,455
Canada—						
Titanium oxide, etc.	26,471	21,612	28,482	28,666	31,963	33,815
Hong Kong (total imports)—						
Titanium oxide ..	(a)	329	329	1,231	1,009	2,019
Australia (c)—						
Ilmenite	(b) 5,200	(b) 5,000	(b) 7,500	7,054	16,146	10,346
Titanium white and oxide	2,072	2,466	1,591	6,844	6,811	6,628
New Zealand—						
Titanium white ..	731	1,302	1,390	2,414	2,639	2,412
FOREIGN COUNTRIES						
Austria—						
Titanium white ..	585	399	799	1,199	1,372	1,527
Belgium-Luxemburg E.U.—						
Titanium white ..	1,303	1,898	2,843	3,919	4,393	6,184
Denmark—						
Titanium white ..	(a)	(a)	(a)	2,014	2,514	592
Finland—						
Titanium white ..	1,791	3,135	1,654	3,436	4,108	4,092
France—						
Titanium minerals ..	(a)	(a)	(a)	(a)	(a)	23,524
Titanium oxide, etc. ..	1,650	2,002	1,976	3,089	3,468	6,030
Germany (Federal)—						
Ilmenite	(a)	} 71,157	{ 67,252	89,698	114,584	143,134
Rutile	(a)						2,938	5,833	9,595	10,173
Iceland—						
Titanium white ..	—	143	235	250	121	212
Italy—						
Titanium minerals ..	(a)	20,661	19,176	19,670	22,920	(a)
Ferro-titanium ..	52	155	79	36	101	165
Titanium oxide ..	259	735	1,093	1,151	1,215	2,421
Netherlands—						
Titanium white ..	(a)	3,527	4,572	6,629	8,540	9,384
Portugal—						
Ilmenite	1	20	11	1	30	—
Rutile	37	35	22	97	107	74
Titanium oxide ..	80	132	154	226	337	405
Sweden—						
Titanium minerals ..	2,804	2,664	2,906	1,745	3,370	5,121
Titanium white ..	3,274	2,977	3,723	5,549	5,867	6,822
Yugoslavia—						
Rutile	(a)	(a)	(a)	30	110	101
Titanium oxide ..	(a)	(a)	(a)	188	209	373
Belgian Congo—						
Titanium oxide ..	(a)	(a)	37	48	20	428
Mexico (total imports)—						
Titanium oxide ..	1,255	1,592	1,608	2,216	2,323	4,317

(a) Information not available.

(b) Calendar year. Estimated.

(c) Years ended June 30 of that stated.

IMPORTS OF TITANIUM MINERALS, ETC. (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
United States—						
Ilmenite (b)	168,821	164,297	255,932	245,540	315,492	320,786
Rutile	9,842	17,316	14,373	13,361	17,434	43,666
Titanium metal .. .	3	—	32	172	506	1,828
Ferro-titanium .. .	222	100	154	4	28	101
Titanium compounds ..	233	32	80	5	151	619
Argentina—						
Titanium oxide .. .	(a)	589	23	1,151	1,656	3,329
Brazil (total imports)—						
Titanium oxide .. .	2,067	2,385	700	2,842	1,732	2,527
Chile—						
Titanium white .. .	215	419	293	510	555	(a)
Colombia (total imports)—						
Titanium white .. .	479	292	473	652	972	1,296
Peru—						
Titanium oxide .. .	143	157	200	306	351	412
Venezuela (total imports)						
Titanium oxide .. .	(a)	358	547	1,286	(a)	1,383
Japan—						
Ilmenite	25,015	5,877	21,868	28,640	49,534	64,840
Titanium oxide .. .	280	644	891	638	465	878

(a) Information not available.

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

TUNGSTEN
PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES
(Long tons)

Producing Country	Estimated WO ₃ Content											
	1951	1952	1953	1954	1955	1956	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES												
Great Britain—												
Concentrates ..	51	39	53	80	62	52	36	27	38	54	43	36
Nigeria—												
Concentrates ..	20	21	17	1	1	5	13	14	11	1	1	3
South West Africa—												
Wolfram ..	18	99	135	89	109	132	12	63	78	53	71	86
Scheelite ..	11	8	1	4	1	2	8	6	1	3	1	1
Tin-wolfram concentrates	59	(c)	(c)	358	401	579	9	10	9	101	80	121
Southern Rhodesia—												
Concentrates ..	210	384	346	231	202	236	151	276	249	166	145	170
Tanganyika—												
Wolfram ..	34	37	34	9	22	18	20	22	19	5	14	11
Uganda—												
Wolfram ..	161	107	159	149	144	170	109	75	108	100	101	116
Union of South Africa—												
Concentrates ..	172	242	376	542	577	271	112	155	228	362	379	157
Canada (b)—												
Concentrates ..	2	1,639	2,816	1,445	1,453	1,519	1	640	1,092	969	867	985
Hong Kong—												
Wolfram ..	20	97	140	27	23	24	13	63	91	17	15	16
India—												
Concentrates ..	14	10	15	1	—	2	9	6	9	1	—	1
Malaya—												
Wolfram ..	28	44	99	54	56	47	18	32	70	37	39	32
Scheelite ..	18	24	30	45	50	44	12	15	20	33	38	33
Australia—												
Wolfram ..	796	1,035	1,008	722	788	877	467	672	672	511	522	592
Scheelite ..	1,031	989	1,185	1,331	1,449	1,495	632	602	729	861	960	990
New Zealand—												
Scheelite ..	32	57	39	28	30	28	21	37	25	18	20	18
TOTAL							1,643	2,715	3,449	3,292	3,296	3,368

(a) Information not available.

(b) Shipments (chiefly scheelite).

(c) Estimated.

PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES (cont.)

Producing Country	1951	1952	1953	1954	1955	1956	Estimated WO ₃ Content					
							1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES												
Finland— Concentrates	6	40	20	108	113	58	4	28	13	74	78	39
France— Concentrates	697	859	1,085	902	1,142	1,000	464	580	773	604	790	660
Italy— Ore	7	6	27	32	26	24	5	4	16	19	16	14
Norway— Wolfram	—	11	8	—	—	—	—	7	5	—	—	—
Portugal (b)— Scheelite	123	187	256	190	369	242	80	122	166	123	240	158
Wolfram	4,337	4,371	4,054	3,670	3,513	4,245	2,820	2,841	2,635	2,380	2,283	2,764
Tin-tungsten ores	564	614	770	866	884	135	141	154	193	217	220	33
Spain— Concentrates	1,835	2,148	2,681	2,394	1,425	1,305	1,193	1,396	1,743	1,556	898	822
Tin-tungsten ores	390	396	522	870	541	311	(a)	(a)	242	407	352	202
Sweden— Concentrates	553	511	530	487	462	454	226	251	260	270	274	270
Algeria	30	72	45	—	—	—	19	46	30	—	—	—
Belgian Congo— Concentrates	390	620	817	1,016	1,084	1,261	254	403	529	659	705	816
Tin-tungsten ore	540	904	1,018	1,119	1,072	1,017	35	196	220	218	222	—
Egypt— Concentrates	7	19	12	4	2	(a)	4	12	8	3	1	(a)
French West Africa— Ore	—	—	3	2	1	—	—	—	—	—	1	—
Tin-tungsten ore	1	2	13	5	3	—	1	—	9	—	2	—
Morocco (Southern)— Ore	41	22	18	16	—	4	22	8	7	(a)	—	(a)
Mexico	653	1,236	(a)	(a)	(a)	(a)	192	263	402	322	336	338
United States— Concentrates	5,548	6,786	8,687	12,351	14,854	13,848	3,329	4,072	5,212	7,411	8,912	8,309
Argentina— Concentrates	128	400	533	900	900	1,003	77	240	320	590	590	693
Bolivia (exports)— Concentrates	2,675	3,650	3,676	(a)	(a)	(a)	1,605	2,189	2,259	2,625	3,180	2,815
Brazil— Scheelite	1,512	1,292	1,542	1,298	956	1,284	920	790	920	780	574	770

(a) Information not available.

(b) In addition 5 tons of mixed Wolfram-Scheelite (65% WO₃) were produced in 1952.

PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES (cont.)

Producing Country	1951	1952	1953	1954	1955	1956	Estimated WO ₃ Content					
	1951	1952	1953	1954	1955	1956	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES												
<i>(cont.)</i>												
Peru— Concentrates	(a)	(a)	(a)	(a)	(a)	(a)	277	345	536	455	478	(a)
Burma— Tungsten concentrates ..	483	792	701	443	578	501	314	515	456	277	347	279
Tin-wolfram concentrates	1,207	1,954	1,828	1,070	1,835	1,956	480	780	730	430	730	780
China— Concentrates (b)	13,000	16,200	20,000	20,000	20,000	20,000	7,800	9,700	12,000	12,000	12,000	12,000
Japan— Concentrates	209	581	1,020	1,111	783	996	99	283	430	460	530	643
Korea— South— Concentrates	1,136	3,729	7,294	3,770	3,096	3,686	738	2,424	4,741	2,450	2,012	2,396
North— Concentrates (b)	1,200	1,200	1,200	1,200	1,200	1,200	720	720	720	720	720	720
Siam— Concentrates	1,321	1,601	1,595	1,087	1,127	1,162	859	1,041	1,037	707	733	755
Turkey— Ore (c)	—	—	—	246	1,547	(a)	—	—	—	(a)	(a)	(a)
TOTAL*	22,700	29,500	36,600	35,800	37,200	36,800	22,700	29,500	36,600	35,800	37,200	36,800
WORLD'S TOTAL*	24,300	32,200	40,000	39,100	40,500	40,100	24,300	32,200	40,000	39,100	40,500	40,100

*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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Tungsten ore	—	—	71	14	8	38
Ferro-tungsten	394	96	133	398	587	1,161
Tungsten metal etc. ..	83	22	56	42	114	86
Nigeria—						
Tungsten ore	19	46	14	7	3	5
Southern Rhodesia—						
Tungsten ores	169	399	346	243	237	196
South West Africa—						
Tungsten ore	15	128	176	177	71	114
Tin-tungsten ore	39	—	(d)	—	400	586
Tanganyika—						
Wolfram ore	34	40	30	12	23	15
Uganda—						
Wolfram ore	159	126	151	152	150	163
Union of South Africa—						
Tungsten ore	204	218	192	543	460	612
Canada—						
Tungsten ore	(a)	(a)	(a)	(a)	1,651	1,480
Hong Kong (b)—						
Tungsten ore	192	216	149	26	18	11
Malaya (b)—						
Wolfram	213	126	129	52	62	59
Scheelite	12	27	32	53	51	35
Australia—						
Wolfram	344	968	1,250	838	964	871
Scheelite	55	1,020	987	1,174	1,344	1,341
Tungsten ore and con- centrates (c)	1,179	21	134	—	—	—
New Zealand—						
Scheelite	39	49	45	41	20	40
FOREIGN COUNTRIES						
Portugal—						
Tungsten ore	4,082	4,329	3,797	2,972	4,113	3,867
do. residues	75	104	12	815	292	437
Ferro-tungsten	59	252	232	161	329	365
Spain—						
Tungsten ore	1,402	2,913	2,746	2,513	1,906	1,502
Sweden—						
Ore	141	148	39	103	142	67
Ferro-tungsten	347	107	93	173	110	59
Algeria—						
Tungsten ore	(a)	71	59	—	—	1
Belgian Congo—						
Tungsten ores	466	841	1,007	1,174	1,491	1,493
Egypt—						
Tungsten ore	(a)	(a)	19	(a)	(a)	(a)
Morocco (Southern)—						
Tungsten ore	15	17	39	12	6	—
Mexico—						
Tungsten ore and con- centrates	635	1,289	1,893	950	844	819
(WO ₃ content)	192	238	403	322	336	336

(a) Information not available.

(b) Including re-exports.

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

(d) Included with tin ore. See page 328.

EXPORTS OF TUNGSTEN, ETC. (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
United States—						
Ore and concentrates ..	—	10	11	35	30	104
Ferro-tungsten ..	127	132	16	5	1	1
Tungsten metal, alloys and scrap	111	31	91	168	232	294
Argentina—						
Tungsten ore	(a)	148	421	—	746	2,047
Bolivia—						
Tungsten ore (WO ₃ content) ..	1,605	2,189	2,259	2,625	3,180	2,815
Brazil—						
Tungsten ores (WO ₃ content) ..	1,292 (a)	1,621 (a)	1,768 1,149	1,248 811	1,162 (a)	1,603 (a)
Peru—						
Tungsten ore and concentrates (WO ₃ content)	287	224	484	510	590	625
Burma—						
Ore and concentrates ..	(a)	1,989	1,855	2,054	990	1,680
Tin-tungsten ores ..	(a)	—	—	—	1,441	267
Japan—						
Tungsten ore	72	—	50	185	230	40
Tungsten metal ..	(a)	(a)	36	—	10	21
Ferro-tungsten ..	634	5	—	55	217	60
Korea—						
Tungsten ore (b) ..	314	3,616	5,443	4,022	1,367	2,445
Siam—						
Tungsten ore	1,317	1,380	1,592	1,339	1,555	970

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Tungsten ores	4,743	8,298	4,373	3,363	4,836	4,758
Tungsten metal etc. ..	3	8	3	3	8	6
Canada—						
Tungsten ore	25	50	113	3	41	55
Ferro-tungsten	450	220	28	38	51	92
Malaya (b)—						
Wolfram	84	50	15	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Tungsten ore	180	28	78	504	952	1,232
Ferro-tungsten	398	210	—	203	270	95
Belgium-Luxemburg						
E.U.—						
Tungsten ore	(a)	2,195	172	113	33	—
Ferro-tungsten	(a)	345	47	40	52	69
France—						
Tungsten ore	(a)	(a)	(a)	(a)	(a)	1,505
Germany (Federal)—						
Tungsten ore	2,872	2,142	1,003	2,894	3,374	3,731
Italy—						
Tungsten ore	(a)	37	27	129	113	141
Ferro-tungsten	77	90	96	31	100	37
Netherlands—						
Tungsten ore	115	147	43	2	61	33
Sweden—						
Tungsten ore	984	684	177	413	616	666
Ferro-tungsten	10	—	1	—	49	158
United States—						
Tungsten ore	5,383	16,912	25,671	20,754	17,232	17,292
(WO ₃ content)	3,589	9,810	15,795	13,615	11,652	11,713
Tungsten metal						
(W content)	38	1	30	69	40	19
Ferro-tungsten	901	281	336	276	373	479
Japan—						
Tungsten ore	144	2,081	144	134	158	1,105
Tungsten metal	(a)	(a)	—	1	1	—
Ferro-tungsten	(a)	(a)	1	—	(a)	—

(a) Information not available.

(b) Total imports.

URANIUM MINERALS

PRODUCTION OF URANIUM MINERALS, ETC.

Statistics of the production of Uranium have not previously been published by producing countries for security reasons. The following figures of production in terms of metal content based on all official figures released to date supplemented by estimates may, however, give a guide to the order of production:—

	1954	1955	1956
Union of South Africa .. Long tons	(a)	(a)	3,300
Canada Long tons	(a)	(a)	(b) 1,800
£	9,660,459	9,466,038	14,391,636
United States Long tons	(a)	(a)	4,500
WORLD'S TOTAL .. Long tons	(a)	(a)	(b) 16,000

(a) Information not available.

(b) Estimated.

Uranium is also known to have been produced in the U.S.S.R., the Belgian Congo, Australia and Portugal. An allowance has been made for these countries in the world's total.

EXPORTS OF URANIUM MINERALS, ETC.

(Domestic Produce)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Radium compounds						
<i>Grains</i>	118	14	37	266	359	(a)
Union of South Africa—						
Uranium .. £S.A.	—	—	3,873,029	14,835,344	29,959,589	38,695,080
FOREIGN COUNTRIES						
United States—						
Radium metals						
<i>(Ra content) Mgrams.</i>	8,892	1,143	1,056	419	366	—
Mozambique—						
Uranium minerals <i>Cwt.</i>	1,838	498	612	—	162	321

(a) Information not available.

IMPORTS OF URANIUM MINERALS, ETC.

(Less Re-exports)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Uranium minerals <i>Cwt.</i>	(a)	(a)	(a)	(a)	(a)	(a)
Radium compounds						
<i>Grains</i>	401	358	39	383	98	—
Canada—						
Radium .. £	125,378	22,673	154,603	103,345	309,184	109,672
FOREIGN COUNTRIES						
Portugal—						
Radium salts <i>Mgrams.</i>	(a)	(a)	494	(a)	(a)	(a)
Egypt—						
Radium .. £	1,000	—	—	—	—	(a)
United States—						
Radium salts <i>Mgrams.</i>	89,805	173,711	85,055	57,879	65,545	43,221
Brazil (total imports)—						
Radium and radium products <i>Mgrams.</i>	75	1,363	10,311	852	1,157	—

(a) Information not available.

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

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Northern Rhodesia ..	86	43	—	—	—	—
South West Africa ..	521	475	490	511	570	275
FOREIGN COUNTRIES						
Finland	(a)	(a)	(a)	(a)	(a)	38
Angola	—	—	—	—	27	10
United States (shipments)	2,757	3,214	4,145	4,402	4,449	3,453
Peru	645	430	326	187	70	—
WORLD'S TOTAL (b)	4,009	3,162	4,961	5,100	5,116	3,776

(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 Norway.

EXPORTS OF VANADIUM
(Domestic Produce)
(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ferro-vanadium ..	58	73	125	6	23	9
Northern Rhodesia—						
Oxide, fused	120	122	7	—	—	—
South West Africa—						
Concentrates (<i>V content</i>)						
(b)	445	1,194	583	485	511	333
FOREIGN COUNTRIES						
Italy—						
Oxide	197	187	119	—	2	10
Sweden—						
Ferro-vanadium ..	70	28	11	34	47	54
Belgian Congo—						
Ore	(a)	(a)	(a)	(a)	(a)	700
Mexico—						
Concentrates	—	234	—	—	193	8
Flue dust (<i>V content</i>) ..	51	167	—	—	—	(a)
United States—						
Ore and concentrates						
(<i>V content</i>)	1	54	6	19	772	799
Flue dust and other						
waste (<i>V content</i>) ..	—	—	24	11	39	13
Metal, alloys and scrap	1	46	(a)	(a)	(a)	(a)
Ferro-vanadium ..	55	131	70	63	196	184
Peru—						
Ore and concentrates						
(<i>V content</i>)	458	434	285	193	82	—

(a) Information not available.

(b) Revised.

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

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ore	602	591	453	355	—	15
Oxide	68	155	7	—	3	15
Other compounds ..	(940 lbs.)	3	—	1	16	10
FOREIGN COUNTRIES						
France—						
Oxide	20	288	122	53	365	413
Germany (Federal)—						
Ore	(a)	1,194	—	1,163	—	—
Italy—						
Ore	(a)	55	5	35	114	(a)
Oxide	5	40	1	2	25	4
Ferro-vanadium ..	59	54	22	17	36	38
Sweden—						
Ore	20	7	—	3	—	—
Ferro-vanadium ..	—	1	7	29	39	31
United States—						
Ore	1,738	1,937	1,321	529	249	41
(<i>V content</i>)	439	466	320	176	82	13
Flue dust (<i>V content</i>) ..	—	3	2	—	—	—
Japan—						
Ore	(a)	(a)	(a)	61	38	330
Ferro-vanadium ..	9	(a)	31	44	—	—

(a) Information not available.

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

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Great Britain	191	1,525	1,865	1,432	1,048	674
Kenya (exports) .. .	60	120	—	—	—	—
Northern Rhodesia (b) ..	36,259	36,728	38,708	34,529	33,991	28,925
South West Africa .. .	14,582	15,400	15,522	19,671	20,741	36,043
Union of South Africa .. .	—	—	—	—	—	457
Canada (b)	304,564	331,966	358,716	336,153	386,926	378,232
India	1,050	2,070	2,370	2,188	2,627	3,715
Australia	190,809	197,280	237,037	252,659	256,564	278,082
TOTAL	547,500	585,100	654,200	646,600	701,900	726,100
Irish Republic .. .	1,238	1,689	1,624	1,534	2,472	1,899
FOREIGN COUNTRIES						
Austria	4,613	6,055	5,814	6,285	6,994	6,043
Finland (b)	3,001	1,357	3,177	4,434	20,835	38,160
France	12,394	14,377	13,011	11,170	10,843	12,000
Germany (Federal) .. .	74,105	79,406	89,805	92,739	90,677	90,895
Greece	4,234	4,548	5,111	5,198	7,241	9,081
Italy	94,169	103,272	96,786	101,414	103,930	110,501
Norway	5,383	5,500	5,055	5,283	6,617	6,299
Poland (c)	116,000	(e) 122,900	136,200	139,900	153,700	150,900
Portugal	(a)	(a)	(a)	(a)	292	559
Spain	74,353	86,163	82,876	92,173	90,448	84,276
Sweden	37,713	37,819	44,381	57,506	57,866	64,997
U.S.S.R. (smelter) (e) ..	160,000	200,000	225,000	240,000	255,000	270,000
Yugoslavia	38,798	47,035	59,023	56,297	58,781	56,629
Algeria	7,116	11,300	18,728	26,524	30,530	30,058
Angola	350	42	92	—	—	3
Belgian Congo	88,138	96,926	123,809	82,970	66,700	115,670
Egypt	1,409	872	186	170	490	(a)
French Equatorial Africa	512	387	—	—	—	—
Morocco (Southern) .. .	19,140	27,902	34,728	33,910	42,577	38,899
Tunis	3,460	3,484	3,591	5,157	5,636	5,005
Guatemala	(d) 5,485	(d) 9,969	(d) 5,710	(d) 1,624	8,347	7,096
Mexico	177,220	223,784	222,961	220,215	265,144	244,956
Salvador	126	130	50	—	—	(a)
United States (b) .. .	608,204	594,644	488,777	422,742	459,528	484,232
Argentina	15,230	15,568	13,050	16,600	20,900	23,327
Bolivia (exports) .. .	30,053	35,056	23,595	20,003	20,990	16,802
Chile	(a)	2,760	2,559	1,260	2,613	2,649
Peru (b)	99,699	125,826	136,905	156,058	163,459	152,623
Burma	—	859	3,525	6,516	8,221	7,226
Japan	63,403	86,088	93,563	107,661	106,953	121,058
Philippine Republic .. .	153	1,571	735	—	—	935
Turkey	401	791	3,650	5,392	(e) 750	(e) 1,700
TOTAL	1,720,000	1,940,000	1,940,000	1,910,000	2,070,000	2,150,000
WORLD'S TOTAL	2,270,000	2,530,000	2,590,000	2,560,000	2,770,000	2,880,000

(a) Information not available.

(b) Recoverable.

(c) Smelter production.

(d) Imports into the United States.

(e) Estimated.

METAL PRODUCTION OF ZINC
(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom	69,734	68,733	72,711	81,239	81,346	81,470
Northern Rhodesia	22,590	22,890	25,330	26,550	27,900	28,925
Canada	195,159	198,393	224,072	190,871	229,055	228,215
Australia	77,010	87,438	90,178	104,523	101,090	104,993
TOTAL	364,493	377,454	412,291	403,183	439,391	443,603
FOREIGN COUNTRIES						
Belgium	197,713	183,849	190,372	209,730	208,585	227,044
France	73,382	78,724	79,660	109,152	110,178	110,806
Germany (Federal)	138,416	144,887	145,919	165,007	175,916	183,003
Italy	46,660	53,985	59,119	66,390	69,430	72,398
Netherlands	22,284	25,492	24,804	25,627	27,989	28,554
Norway	40,180	38,614	38,185	43,759	44,800	47,474
Poland	116,000	(b) 122,900	(b) 136,200	139,900	153,700	150,900
Spain	21,008	21,021	22,759	22,908	23,474	21,920
U.S.S.R. (c)	160,000	200,000	225,000	240,000	255,000	270,000
Yugoslavia	13,014	14,235	14,319	13,429	13,550	19,544
Belgian Congo	—	—	7,678	31,495	33,432	41,419
Mexico	52,070	49,591	52,215	53,997	55,249	55,400
United States (d) (e)	787,172	807,571	817,951	716,451	860,271	878,223
Argentina	(c) 8,500	(c) 8,500	12,740	10,826	13,287	13,779
Peru	856	5,134	8,767	15,120	16,787	8,687
Japan	55,450	67,291	75,601	96,228	107,628	130,800
TOTAL	1,720,000	1,820,000	1,910,000	1,960,000	2,170,000	2,260,000
WORLD'S TOTAL	2,084,000	2,197,000	2,322,000	2,363,000	2,610,000	2,700,000

(a) Information not available.

(b) Revised.

(c) Estimated.

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

1951	280,694	1954	242,655
1952	277,163	1955	272,121
1953	263,105	1956	251,210

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

	1951	1952	1953	1954	1955	1956
A—High grade—Special	251,403	264,108	279,295	241,213	337,692	318,532
Ordinary	156,696	162,612	160,882	118,732	123,747	145,060
B—Intermediate grade	18,512	15,985	13,143	17,218	21,243	33,653
C and D—Brass special	54,028	43,587	50,196	47,020	71,615	85,974
Selected	12,048	12,150	1,723	1,101	3,486	2,143
E—Prime Western	337,929	358,336	359,922	351,893	361,454	357,261

PRODUCTION OF ELECTROLYTIC ZINC*

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
Northern Rhodesia ..	10,676	18,785	17,004	17,557	17,900	28,925
Canada	195,159	198,393	224,072	190,871	229,055	228,215
Australia (Tasmania) ..	77,010	87,438	90,178	104,523	101,090	104,993
FOREIGN COUNTRIES						
France	31,628	34,127	32,996	41,300	43,162	47,000
Italy	38,191	44,916	50,016	58,092	60,706	62,827
Norway	40,180	38,614	38,185	43,759	44,800	47,474
Poland	(a)	(a)	(a)	40,600	49,600	(a)
Belgian Congo	—	—	7,678	31,495	33,432	41,419
United States	300,078	313,487	331,134	277,890	348,117	366,444
Japan	37,642	47,896	53,798	28,805	71,058	81,216

*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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom ..	9,579	6,230	8,665	9,344	10,998	10,234
Northern Rhodesia ..	5	—	—	—	—	—
Australia	1,809	1,711	1,901	2,234	2,093	2,246
FOREIGN COUNTRIES						
France	(a)	(a)	2,967	2,480	(a)	(a)
Germany (Federal) ..	6,976	4,614	3,374	6,793	6,193	5,301
United States	28,299	22,422	22,587	23,834	26,891	25,053
Japan	(a)	2,417	3,276	3,617	5,048	4,616

(a) Information not available.

PRODUCTION OF ROLLED ZINC SHEETS, PLATES AND STRIPS

(Long tons)

Producing Country	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom	21,349	16,705	21,412	(c) 22,779	(c) 23,067	(c) 23,433
FOREIGN COUNTRIES						
United States (b) ..	59,007	47,754	50,346	43,781	47,390	42,802
Japan	4,500	3,602	4,949	4,346	4,890	5,350

(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	
1951	10,381	1954 .. .. .	..	10,964
1952	9,917	1955 .. .. .	..	7,262
1953	11,708	1956 .. .. .	..	7,059

(c) Including wire.

EXPORTS OF ZINC

(Domestic Produce)

(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	15	10,430	2,907	—	3,604	3,228
Ingots, bars etc. ..	10	129	5,573	585	608	365
Sheets, plates, etc. ..	2,097	1,556	1,800	2,533	2,149	1,933
Oxide	775	1,641	3,974	5,770	6,569	6,183
Lithopone, etc. ..	4,435	3,637	2,325	3,346	2,541	3,217
Kenya—						
Concentrates	160	297	—	—	—	—
Nigeria—						
Ore and concentrates ..	(a)	(a)	(a)	125	—	—
Northern Rhodesia—						
Ores and concentrates ..	—	—	—	—	—	15,024
Ingots	22,269	21,615	26,550	28,344	25,239	29,318
South West Africa—						
Ores and concentrates ..	11,467	15,254	13,269	19,753	21,375	30,107
(Zn content)						
Union of South Africa—						
Bars, sheets, etc. ..	12	—	1	1	8	20
Fume, dust, shavings, etc.	128	55	76	107	(a)	(a)
Canada—						
Ore (Zn content)	138,030	162,280	172,015	160,868	170,165	177,958
Spelter	130,475	148,986	141,418	183,962	190,926	164,043
Dross, scrap and ashes ..	4,027	3,238	3,735	4,566	4,880	4,881
Oxide	(a)	(a)	(a)	1,062	1,066	477
Hong Kong (re-exports)—						
Unwrought, incl. alloys } ..	1,392	1	1	—	30	148
Plates and sheets		87	61	56	129	226
Oxide	(a)	477	324	220	187	149
Lithopone	(a)	599	2,734	2,183	197	151
India—						
Concentrates, etc. ..	1,882	4,684	3,258	3,999	4,907	5,068
Malaya (b)—						
Bars, sheets, tubes, etc.	148	187	397	140	112	106
Australia—						
Ores and concentrates ..	80,050	110,728	122,272	151,313	128,256	143,444
(Zn content)						
Dust (c)	26	54	33	409	14	34
Ingots, blocks, etc. ..	20,529	44,741	36,938	38,262	33,902	31,594
Scrap and shavings (c) ..	96	75	941	766	530	688
Plates and sheets (c) ..	103	289	53	90	125	179
Oxide (c)	(a)	(a)	150	280	324	100
Irish Republic—						
Ores and concentrates ..	(a)	2,851	3,977	2,472	4,147	4,536
FOREIGN COUNTRIES						
Austria—						
Ore	302	6,875	8,856	10,551	4,859	1,034
Spelter and alloys	262	37	477	746	1,661	3,661
Scrap	1,198	1,674	2,762	2,814	2,704	1,544
Zinc-white	—	—	—	46	3	—
Lithopone	1,225	448	1,236	1,572	2,212	1,971
Belgium-Luxemburg						
E.U.—						
Ore	45,511	35,108	26,362	54,029	73,388	55,821
Spelter	93,688	119,278	118,769	126,876	120,907	138,921
Scrap	73	68	57	3,334	2,390	1,683

(a) Information not available.

(b) Including re-exports.

(c) Years ended June 30 of that stated.

EXPORTS OF ZINC (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
(cont.)						
Belgium-Luxemburg						
E.U.—(cont.)						
Sheets, tubes and wire	20,914	11,744	13,843	13,803	16,826	18,162
Dust	4,440	3,085	4,058	5,394	8,260	7,088
Oxide	6,585	—	(a)	(a)	(a)	(a)
Lithopone	15,159	3,624	5,641	8,603	12,198	16,528
Denmark—						
Spelter	1,841	1,015	987	921	—	244
Scrap	326	142	125	258	1,367	1,435
Finland—						
Concentrates	6,815	2,327	5,499	8,250	31,696	80,438
Bars, sheets, scrap etc.	42	92	10	—	—	5
France—						
Ore	2	47	4,155	—	1	2,225
Spelter	532	776	531	1,173	600	150
Bars, sheets and wire	2,765	2,300	1,668	1,248	1,092	1,082
Oxide	2,065	1,538	2,669	2,820	1,930	1,112
Lithopone, etc.	1,755	1,167	1,428	1,079	623	561
Germany (Federal)—						
Ore	—	—	16,437	5,911	7,258	5,090
Spelter, dust and alloys	9,469	33,982	36,339	13,874	30,030	41,650
Scrap						
Sheets and wire	3,771	146	210	317	366	573
Zinc-white, zinc-grey	13,073	6,884	11,776	13,376	10,871	11,249
Lithopone	38,453	23,537	31,476	39,036	37,716	41,619
Greece—						
Ore	4,422	2,764	9,268	10,413	16,325	17,578
Italy—						
Ore	74,414	60,536	52,566	77,753	56,692	62,032
Spelter, scrap and alloyed	6,334	9,406	26,021	19,571	19,210	23,127
Sheets, wire and alloyed, etc.	—	9	—	—	5	—
Oxide	5,203	836	981	849	353	544
Lithopone	5,307	1,988	4,381	6,012	3,355	4,620
Netherlands—						
Spelter	17,134	16,545	19,203	15,635	18,107	20,387
Scrap	1,398	1,213	2,038	4,581	4,721	6,250
Sheets	927	1,459	1,014	1,655	1,180	921
Norway—						
Ore	3,259	—	408	2,854	6,023	5,675
Electrolytic zinc	28,754	27,199	30,388	30,361	32,409	36,627
Bars, sheets, wire, etc.	814	166	17	6	11	12
Ashes and scrap	1,934	1,476	1,346	1,618	1,903	1,409
Zinc-white	(a)	(a)	269	2,069	2,083	2,482
Poland—						
Spelter and sheets	(a)	(a)	110,000	86,800	94,900	94,500
Portugal—						
Bars	291	28	119	10	9	6
Zinc-white	33	27	27	20	16	11
Spain—						
Ore	77,244	84,835	95,918	94,877	106,698	90,419
Bars, scrap, sheets, wire, etc.	2,927	745	1	1	1	4
Sweden—						
Ore	63,003	80,030	75,186	108,613	104,915	125,728
Spelter	269	194	124	98	518	116
Scrap	2,366	50	225	108	218	195
Zinc-white	34	30	283	830	990	914
Switzerland—						
Spelter and scrap	4,406	2,770	3,561	5,303	5,937	5,226
Dust	104	95	39	13	52	41
Zinc-white, etc.	210	41	210	108	161	174

(a) Information not available.

EXPORTS OF ZINC (cont.)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Yugoslavia—						
Concentrates	14,615	25,057	28,235	41,703	43,808	29,610
Spelter	3,491	7,555	3,140	1,331	2,700	2,250
Dust	1,394	1,308	2,797	2,146	1,423	1,522
Oxide	240	178	614	331	318	925
Lithopone	711	547	793	1,006	1,051	1,513
Algeria—						
Ore	18,338	17,519	19,819	45,676	63,750	60,945
Spelter, plates and scrap	751	203	273	535	516	659
Oxide	9	5	8	1	3	1
Belgian Congo—						
Ores and concentrates ..	166,162	136,832	123,379	118,727	101,447	70,458
Electrolytic zinc	—	30	5,739	29,507	32,703	38,901
French Equatorial Africa						
Ore	5,907	1,968	—	—	—	—
Morocco (Southern)—						
Ore	33,819	47,281	53,038	70,259	88,503	62,521
Tunis—						
Ore	8,937	5,846	2,018	13,882	13,082	10,946
Guatemala (d)—						
Ore (Zn content)	5,485	9,969	5,710	1,624	7,265	11,850
Mexico—						
Ores and concentrates ..	273,223	346,739	295,059	310,733	365,178	382,631
Refined	41,400	41,519	50,786	39,118	47,986	40,381
Zn content (c)	158,475	214,803	218,029	204,599	246,539	229,831
Oxide	1,442	459	135	101	387	853
United States—						
Ore and concentrates (b)	2,759	3,009	2,637	—	—	763
Spelter	32,598	51,530	15,945	22,317	15,985	7,870
Scrap (b)	4,119	868	893	14,001	19,296	13,332
Sheets, strips, etc. .. .	4,346	2,706	3,760	2,643	2,325	2,717
Dust	645	(a)	448	454	397	332
Oxide	7,942	6,799	2,652	2,778	2,365	2,454
Lithopone	18,280	8,915	3,506	2,690	1,689	1,239
Bolivia—						
Ores (Zn content)	30,053	35,056	26,122	20,003	20,990	16,802
Brazil—						
Ore	985	98	197	—	1,153	—
Chile—						
Ores (e)	200	4,253	1,588	—	—	(a)
Spelter	99	—	—	—	—	(a)
Colombia—						
Ore	248	436	408	—	—	—
Peru—						
Ores, etc. (Zn content) ..	96,866	109,685	87,123	95,072	125,893	134,479
Bars (Zn content)	642	1,529	9,092	15,658	18,349	6,914
Burma—						
Concentrates	(a)	2,054	20,733	32,691	40,266	31,237
Japan—						
Spelter	6	4,112	639	2,065	4,406	16,626
Oxide and sulphide	248	810	9	37	109	117
Lithopone	617	308	250	78	102	213
Philippine Republic—						
Concentrates	182	422	1,412	—	—	1,083
Turkey—						
Ore	1,715	1,243	54	217	588	984

(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	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	179,986	193,030	165,261	192,863	200,252	180,760
Ingots, bars, etc. ..	121,879	228,835	125,567	153,036	159,522	125,747
Sheets, plates, etc. ..	1,045	248	(b) 547	668	1,090	418
Oxide	1,982	12	7	37	36	54
Lithopone, etc. . .	14,693	4,170	3,296	2,122	2,286	2,838
Ghana—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	(a)	76	50	41
Kenya—						
Unwrought, incl. scrap	13	(b) 7	58	96	49	59
Bars, plates, sheets, etc.	9	15	7	7	26	10
Nigeria—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	(a)	66	43	63
Southern Rhodesia—						
Sheets, dust, etc. ..	141	92	116	(c) 179	(c) 124	(c) 102
South West Africa—						
Spelter, sheets, etc. ..	12	—	3	1	(g)	(g)
Tanganyika—						
Bars, sheets, scrap, etc.	13	19	7	7	17	22
Union of South Africa—						
Bars, rods and ingots ..	21,806	8,072	13,853	22,004	(h) 11,840	(h) 21,432
Sheets and strips ..	668	408	226	364	(a)	(a)
Lithopone	4,028	683	1,412	2,526	(a)	(a)
Oxide	389	268	484	256	(a)	(a)
Dust and shavings ..	77	107	67	52	(a)	(a)
Canada—						
Dust	198	216	299	266	375	438
Ingots, sheets, plates bars, etc. ..	2,870	1,143	1,185	1,209	1,688	1,510
Zinc-white	594	649	1,234	924	719	544
Lithopone	6,171	2,817	2,990	2,269	1,691	2,049
Ceylon—						
Blocks, ingots, etc. ..	—	13	19	12	13	26
Sheets and plates ..	29	36	29	29	15	32
Hong Kong (total imports)—						
Unwrought, incl. scrap	} 2,841	18	52	141	232	700
Sheets and plates ..		1,066	1,777	843	1,268	1,025
Oxide		(a) 17	63	485	599	527
Lithopone		(a) 488	2,708	3,571	1,713	1,463
India—						
Spelter	17,167	23,821	23,980	37,597	31,028	35,258
Sheets, etc.	2,842	1,496	1,849	2,190	1,742	2,059
Zinc-white	16	15	15	7	51	4
Lithopone	2,873	2,184	773	1,250	729	417
Malaya (total imports)—						
Sheets	1,053	450	(d) 1,856	(d) 2,863	(d) 1,414	(d) 643
Pakistan (e)—						
Spelter	54	277	307	915	2,160	285
Zinc-white	45	277	194	105	194	177
Lithopone	689	597	374	399	676	458
Australia (f)—						
Dust	—	9	3	2	} 131	} 154
Bars, sheets and scrap ..	85	450	17	58		
Oxides	337	51	3	109		
Lithopone	1,852	5,923	68	1,871			2,225	1,925

(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, up to 1955 inclusive.

(f) Years ended June 30 of that stated.

(g) Included with Union of South Africa.

(h) Including South West Africa.

IMPORTS OF ZINC (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
<i>(cont.)</i>						
New Zealand—						
Spelter, ingots, bars, etc.	1,261	879	493	1,198	1,603	1,380
Sheets and plates ..	219	233	169	225	184	239
Oxide	492	229	169	237	411	404
Zinc-white	980	707	188	251	(a)	(a)
Lithopone	244	1,016	204	405	426	193
Irish Republic—						
Unwrought incl. alloys	122	199	595	1,063	1,679	1,351
Wrought incl. alloys ..	490	185	333	407	389	357
Zinc-white	864	150	448	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Ore	—	—	—	4,766	9,580	6,419
Spelter and alloys ..	7,021	5,530	5,532	7,620	9,601	5,959
Sheets, bars, etc. ..	24	3	11	12	26	102
Zinc-white and zinc-grey	202	96	28	233	364	407
Lithopone	—	8	15	25	193	418
Belgium-Luxemburg E.U.—						
Ore	445,478	491,061	353,513	475,451	541,807	536,351
Spelter	6,409	865	1,267	4,977	885	571
Scrap	424	168	145	43	68	240
Sheets, bars and wire	52	82	187	196	34	57
Dust	3	—	9	13	61	8
Oxide	973	658	1,166	1,303	1,408	1,140
Lithopone	1,467	1,428	1,652	1,512	1,577	1,725
Denmark—						
Spelter	7,394	2,415	3,918	6,638	5,560	4,831
Scrap	45	38	60	83	75	82
Plates, sheets and wire	4,538	3,729	4,941	5,628	4,718	5,381
Zinc-white	1,966	1,329	1,905	1,798	1,726	1,987
Lithopone	3,343	1,610	1,687	1,988	1,763	1,866
Finland—						
Spelter	4,236	3,572	3,314	5,800	7,578	4,504
Scrap	1	10	52	35	45	126
Sheets	643	455	339	821	466	288
Zinc-white	1,845	1,320	774	848	878	529
Lithopone	1,403	798	940	1,753	1,596	1,353
France—						
Ore	127,938	184,593	163,295	237,612	296,558	285,405
Spelter	37,609	42,925	13,911	21,348	14,778	10,217
Scrap	463	649	293	6,316	6,957	7,153
Dust	815	352	2,634	3,935	2,022	1,744
Sheets, bars and wire ..	182	82	13	91	107	864
Oxide	5,668	2,213	612	900	380	586
Lithopone	10,359	3,873	8,575	8,289	12,799	17,110
Germany (Federal)—						
Ores	77,103	79,673	47,911	53,767	102,034	114,526
Spelter, dust, scrap and alloys	10,059	19,788	24,836	56,166	69,831	62,442
Sheets and wire	157	2	2	96	142	2
Zinc-white and zinc-grey	52	124	1,155	2,210	3,040	2,265
Lithopone	30	100	1,732	2,018	2,180	2,883
Greece—						
Spelter, etc.	477	977	1,406	2,048	2,171	2,196
Iceland—						
Zinc-white	10	26	29	37	26	67

(a) Information not available.

IMPORTS OF ZINC (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Ore	—	1,021	2,671	703	867	1,072
Spelter, matte, scrap and alloyed .. .	2,780	6,379	3,924	8,284	7,386	7,870
Sheets, wire, etc. and alloyed .. .	—	—	—	—	—	60
Oxide	730	166	149	140	165	303
Lithopone	30	69	32	1,016	650	704
Netherlands—						
Ore	53,518	83,159	55,482	70,849	65,031	45,948
Spelter	8,373	4,997	9,906	17,159	7,565	8,432
Scrap	63	144	218	250	263	371
Sheets	3,878	3,294	4,036	3,609	3,340	4,321
Oxide	2,584	1,131	1,656	1,714	1,432	1,511
Lithopone	484	637	769	1,305	1,231	2,481
Norway—						
Ore	88,475	58,119	47,884	83,318	100,766	75,566
Ashes and scrap ..	563	626	365	1,179	922	1,326
Spelter	562	1,221	311	360	359	1,601
Bars and sheets ..	68	77	266	679	724	1,073
Zinc-white	793	542	369	657	762	753
Lithopone	818	343	616	610	601	495
Poland—						
Concentrates .. .	(a)	(a)	59,200	79,400	78,800	89,600
Portugal—						
Spelter, scrap and dust	674	807	1,288	1,573	1,717	2,432
Oxide	841	850	909	917	822	783
Lithopone	928	1,209	1,024	1,255	1,488	1,647
Spain—						
Bars and scrap ..	14	21	450	1,492	6	398
Sweden—						
Spelter	20,291	26,968	20,563	28,353	25,934	25,796
Scrap	29	31	46	—	17	3
Sheets	3,800	1,186	1,287	1,614	1,447	1,369
Zinc-white	4,526	3,081	4,389	4,950	4,990	4,994
Lithopone, etc. ..	8,532	4,612	5,889	6,553	6,475	6,172
Switzerland—						
Spelter and scrap ..	17,224	11,319	9,849	16,874	15,699	16,068
Dust	1,170	783	736	1,572	1,812	931
Bars, sheets, pipes and wire	2,409	1,003	1,248	1,489	1,336	1,384
Zinc-white, lithopone, etc.	7,668	4,493	6,461	7,504	8,522	9,868
Algeria—						
Spelter, sheets and scrap	696	630	590	694	767	591
Oxide	692	515	449	597	536	315
Lithopone, etc. ..	513	516	668	502	755	922
Belgian Congo—						
Spelter and scrap ..	(a)	(a)	92	20	28	2
Oxide	97	(a)	72	63	79	188
Lithopone	(a)	(a)	194	372	154	590
Egypt—						
Spelter, sheets and scrap	775	376	672	816	1,132	(a)
Zinc-white	235	185	274	286	429	(a)
Lithopone	1,370	2,127	2,395	2,368	2,666	(a)
Morocco (Southern)—						
Spelter	(a)	443	468	591	413	131
Bars, sheets and wire ..	(a)	236	154	255	219	177
Oxide	432	292	391	380	418	361
Lithopone	(a)	811	1,007	1,071	951	955
Mozambique—						
Spelter, bars and sheets	11	8	16	4	10	11
Oxide	13	13	11	21	18	33

(a) Information not available.

IMPORTS OF ZINC (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Tunis—						
Spelter and dust ..	100	(a)	49	102	2	75
Sheets	135	(a)	84	103	90	65
Oxide	40	(a)	107	162	109	53
Lithopone	214	(a)	343	(a)	(a)	215
Cuba (total imports)—						
Spelter	183	163	123	151	(a)	(a)
Bars and sheets ..	109	73	137	108	(a)	(a)
Mexico (total imports)—						
Spelter, sheets and scrap	36	129	79	156	32	304
United States—						
Ore (<i>Zn content</i>) ..	214,085	520,330	414,318	444,493	363,320	433,777
Spelter	78,557	100,938	203,209	144,043	174,856	218,505
Dross and scrap ..	5,895	3,118	5,281	970	254	537
Sheets	133	42	175	231	385	405
Dust	138	118	933	—	64	64
Oxide	1,591	155	1,059	2,096	2,964	3,274
Lithopone	709	9	26	58	27	128
Argentina—						
Spelter and bars ..	1,170	4,155	197	1,968	6,397	6,244
Sheets and plates ..	(a)	491	1,268	154	—	—
Zinc-white	(a)	73	—	—	—	—
Brazil (total imports)—						
Spelter	12,230	9,697	12,429	20,812	13,737	18,977
Bars, sheets and plates	304	543	625	1,158	1,440	238
Zinc-white	4,544	3,355	2,332	4,885	3,152	4,729
Chile—						
Spelter	2,916	1,986	2,397	4,097	3,108	(a)
Bars and sheets ..	140	74	295	280	179	(a)
Zinc-white	145	136	85	4	4	(a)
Lithopone	1,517	1,579	1,169	432	450	(a)
Colombia (total imports)—						
Spelter, sheets, bars and wire including alloyed	367	128	184	489	590	406
Zinc-white	225	391	590	778	876	931
Lithopone	513	205	378	317	624	640
Peru—						
Spelter, bars, sheets and powder	85	74	82	72	113	122
Zinc-white and lithopone	384	317	262	532	400	380
Uruguay—						
Spelter	563	336	402	(a)	(a)	(a)
Lithopone	370	372	425	(a)	(a)	(a)
Zinc-white	180	262	289	(a)	(a)	(a)
Venezuela (total imports)						
Spelter	(a)	21	17	6	(a)	4
Zinc-white	(a)	66	119	207	(a)	195
Lithopone	(a)	528	526	727	(a)	824
Formosa—						
Spelter	30	145	452	7,767	827	818
Bars, rods and alloyed ..	(a)	118	152	162	329	190
Indonesia—						
Zinc-white	1,630	1,146	1,525	1,025	2,562	1,601
Iran (b)—						
Spelter, sheets and wire	20	15	11	28	(a)	(a)
Oxide	(a)	50	25	268	(a)	(a)
Lithopone	(a)	725	462	476	(a)	(a)
Iraq—						
Spelter, sheets, etc. ..	5	5	11	27	26	(a)
Israel—						
Spelter and sheets ..	372	166	498	1,435	1,755	1,810
Lithopone	338	568	460	845	846	687

(a) Information not available.

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

IMPORTS OF ZINC (cont.)

Importing Country and Description	1951	1952	1953	1954	1955	1956
FOREIGN COUNTRIES (cont.)						
Japan—						
Ore	11,515	15	2,367	3,820	10,683	37,519
Spelter	12,153	1,936	7,177	4,375	5,182	6,109
Scrap	1,787	235	1,797	142	205	7
Dross	12,088	311	1,346	295	35	52
Plates and sheets ..	89	99	7	4	8	12
Lebanon—						
Oxide and lithopone ..	87	57	108	165	177	142
Philippine Republic—						
Spelter and sheets ..	49	37	67	101	136	1,627
Dust	116	74	93	83	95	90
Oxide	487	210	497	810	474	491
Lithopone	440	284	250	159	249	500
Syria—						
Oxide and lithopone ..	100	132	321	349	586	655
Turkey—						
Spelter	169	251	420	691	32	747
Bars, tubes and wire ..	1,341	2,301	3,075	1,967	3,801	792
Oxide	566	1,118	1,561	1,565	1,035	1,159
Lithopone	1,322	1,597	1,952	1,286	1,102	1,173

(a) Information not available.

ZIRCONIUM MINERALS

PRODUCTION OF ZIRCONIUM MINERALS

(Long tons)

Producing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
India	(a)	(a)	(a)	(a)	(a)	(a)
Australia—						
Zircon (b)	43,816	30,319	(a)	(a)	(a)	(a)
Zircon concentrates (c)	42,410	29,691	27,207	41,453	48,683	72,458
FOREIGN COUNTRIES						
Egypt	3	118	235	97	112	359
French West Africa ..	21	—	935	—	—	1,130
Madagascar	—	4	—	—	—	
United States	24,600	23,400	21,343	14,573	25,098	39,268
Brazil (d)	3,441	3,909	3,044	3,726	2,958	2,526

(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.

EXPORTS OF ZIRCONIUM MINERALS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
India—						
Zircon sand	(a)	(a)	(a)	(a)	(a)	(a)
Australia—						
Zircon concentrates ..	38,485	26,083	31,173	36,512	46,685	68,838
FOREIGN COUNTRIES						
Belgian Congo—						
Ore	(a)	(a)	(a)	(a)	(a)	24
French West Africa—						
Zircon	21	—	30	965	—	758
United States—						
Ores and concentrates ..	330	522	991	617	696	936
Brazil (b)	2,360	2,165	1,255	1,181	1,381	492

(a) Information not available.

(b) Chiefly baddeleyite.

IMPORTS OF ZIRCONIUM MINERALS
(*Less Re-exports*)
(Long tons)

Importing Country and Description	1951	1952	1953	1954	1955	1956
BRITISH COUNTRIES						
United Kingdom— Zirconium ores ..	5,690	3,454	4,548	5,627	9,168	12,138
Canada— Zirconium oxide ..	(£7,834)	(£8,579)	(£8,216)	(£3,652)	(£6,994)	(£6,199)
Zirconium silicate ..	(£29,950)	(£38,340)	(£47,139)	(£49,790)	(£42,315)	(£70,540)
FOREIGN COUNTRIES						
France— Zirconium ore ..	(a)	(a)	(a)	(a)	(a)	8,966
Italy— Zirconium ore ..	(a)	155	131	103	130	(a)
United States— Zirconium ore (b) ..	24,367	21,345	22,025	16,658	25,974	27,803
Zircon (c) ..	21,944	19,196	19,821	14,554	(a)	(a)
Baddeleyite (d) ..	1,861	1,761	1,076	1,257	1,283	295

(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	1951	1952	1953	1954	1955	1956
TELLURIUM						
PRODUCTION—						
Canada Lb.	8,913	6,035	4,694	8,171	9,014	7,869
United States (b) Lb.	187,148	189,076	70,446	97,114	143,877	190,700
Peru	—	—	—	—	2,341	(a)
Japan Lb.	—	—	331	992	992	331
IMPORTS—						
Germany (Federal) Lb.	(a)	3,086	2,205	9,480	22,046	9,700
VERMICULITE						
PRODUCTION—						
Kenya Ton	3	—	73	720	340	444
Southern Rhodesia Ton	494	—	—	—	—	272
Union of South Africa Ton	24,120	32,641	30,218	40,744	51,323	52,426
Australia .. Ton	55	62	29	—	—	1
India Ton	232	22	—	3	123	927
United States (sales) Ton	186,614	186,523	169,228	174,587	182,179	171,989
Argentina .. Ton	(a)	(a)	(a)	(a)	500	700
WORLD'S TOTAL Ton	211,518	219,248	199,548	216,054	234,400	226,800
EXPORTS—						
Union of South Africa Ton	21,761	29,203	29,363	36,834	40,036	47,121
Southern Rhodesia Ton	234	28	146	8	3	2
IMPORTS—						
Canada £	103,505	117,340	118,779	127,530	129,240	135,969
France Ton	500	2,598	3,636	3,477	5,193	(c) 4,577
Mexico Ton	126	797	343	449	586	311

(a) Information not available.

(b) Including tellurium content of compounds.

(c) May include perlite, etc.

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