

OVERSEAS GEOLOGICAL SURVEYS
MINERAL RESOURCES DIVISION

STATISTICAL SUMMARY
OF THE
MINERAL INDUSTRY

PRODUCTION, EXPORTS AND IMPORTS

1952-1957



LONDON
HER MAJESTY'S STATIONERY OFFICE

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

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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 cobalt, 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 Northern Rhodesia, Nyasaland and Southern Rhodesia are recorded separately but from and including 1954 trade statistics for these territories have been combined unless otherwise stated.

(8) 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. From and including 1955 these trade figures also include those for South West Africa unless otherwise stated.

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

(10) 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.

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

(12) 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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Kenya—						
Pumice	(a)	(a)	(a)	(a)	1,635	2,071
Nyasaland—						
Corundum	46	—	15	18	—	—
Southern Rhodesia—						
Corundum	—	753	2,536	1,044	3,971	4,024
Tanganyika—						
Garnet	—	—	—	—	15	80
Union of South Africa—						
Corundum	3,731	1,665	1,288	745	1,846	1,374
Garnet	—	—	—	—	—	16
Canada—						
Grindstones	38	13	—	9	—	—
Ceylon—						
Garnet	—	—	—	5	(a)	(a)
India—						
Corundum	637	324	4,701	240	352	426
Malaya (exports)—						
Corundum	—	—	—	2	—	—
Australia—						
Emery	—	—	—	8	—	—
Corundum	54	—	—	9	—	—
Garnet	70	35	—	—	—	—
New Zealand—						
Pumice	9,612	2,013	8,854	7,741	7,614	15,171
FOREIGN COUNTRIES						
Belgium—						
Grindstones	66	55	52	48	64	64
France—						
Pumice	11,269	10,236	9,940	9,050	12,801	8,400
Millstones	2,865	2,107	2,448	2,230	1,623	3,400
Sharpening stones	192	226	197	1,093	1,923	}
Greece—						
Emery	6,000	10,000	8,000	9,000	7,000	(a)
Pumice	12,437 cu.m.	42,800 cu.m.	31,215 cu.m.	(a)	70,000	(a)
Pumicite	18,300	39,000	34,000	36,000	84,000	(a)
Italy—						
Pumice	133,014	205,009	185,103	177,334	(a)	(a)
Millstones	157	148	—	—	(a)	(a)
Sharpening stones	1,417	1,457	2,953	2,559	(a)	(a)
Whetstones	786	603	796	731	(a)	(a)
Portugal—						
Tripoli	1,011	972	1,795	2,231	1,773	1,440
Spain—						
Pumice (b)	654	546	472	842	1,501	(a)
Tripoli	7,543	7,121	8,931	14,221	11,650	10,996
Garnet	185	212	195	198	208	248
Sweden—						
Grindstones and whetstones	871	835	849	657	875	(a)
Egypt—						
Pumice	394	679	394	161	(c) 150	(c) 150
Garnet	18	8	—	166	(a)	(a)
Madagascar—						
Garnet	465	11	10	169	139	345

*See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) Canary Islands.

(c) United States Bureau of Mines' estimate.

PRODUCTION OF NATURAL ABRASIVES (cont.)
(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mozambique—						
Corundum	—	1	1	8	—	—
United States (sales)—						
Emerald	9,243	9,430	8,712	9,585	10,851	10,619
Garnet	10,170	9,393	12,663	10,567	8,761	8,729
Pumice (b)	533,075	(c)1,203,693	(c)1,470,890	(c)1,611,150	(c)1,323,405	(c) 708,526
Tripoli	31,660	32,306	37,165	44,341	40,187	45,283
Grindstones	3,537	2,231	1,980	2,499	(d) 2,490	} 1,344
Pulpstones	11	—	—	—	(a)	
Argentina—						
Garnet	(a)	(a)	(a)	150	534	(e) 500
Turkey—						
Emerald	8,110	1,117	4,726	6,987	6,282	1,604

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

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

	1952	1953	1954	1955	1956	1957
Silicon carbide	52,926	47,235	44,929	66,917	71,846	74,400
Fused alumina	135,791	219,310	178,444	158,180	162,348	194,800

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

	1952	1953	1954	1955	1956	1957
Silicon carbide	81,724	55,626	59,796	66,790	85,516	111,329
Aluminium oxide	161,049	217,979	195,811	174,841	174,311	204,028
Metallic abrasives.. ..	140,209	143,304	105,443	140,729	125,406	117,413

(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:

1952	20,026 long tons
1953	20,525 " "
1954	14,573 " "
1955	28,976 " "
1956	33,989 " "
1957	18,897 " "

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

(d) Including oilstones and other sharpening stones.

(e) Estimated.

EXPORTS OF ABRASIVES*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Abrasives, natural ..	1,836	1,746	2,327	2,619	2,543	2,322
do. artificial ..	713	642	1,031	1,656	2,417	3,221
Grinding wheels etc. of—						
Artificial corundum, etc.	1,442	1,198	1,416	1,799	2,006	2,218
Carborundum ..	1,372	1,050	1,161	1,261	877	734
Emery ..	265	135	180	169	1,696	1,589
Other hard abrasives	901	412	408	384		
Natural rock ..	2,198	1,098	1,565	1,314		
Other manufactured abrasives ..	714	364	355	332	336	296
Nyasaland—						
Corundum ..	46	—	} (b) 2,393	(b) 1,590	(b) 3,399	(b) 4,027
Southern Rhodesia—						
Corundum ..	—	807				
Union of South Africa—						
Corundum ..	3,583	1,829	1,262	760	1,458	1,635
Canada—						
Natural abrasives, including diatomaceous earth ..	17	19	11	29	40	52
Artificial abrasives, crude ..	189,171	270,581	230,485	230,144	237,478	273,690
Artificial abrasive wheels, etc. ..	(£5,898)	(£4,193)	(£4,281)	(£6,447)	(£6,344)	(£9,181)
Grindstones ..	(£7,342)	(£8,202)	(£35,230)	(£16,378)	(£33,688)	(£17,098)
Hong Kong—						
Grinding and polishing wheels, etc. (including re-exports) ..	(£60,732)	(£69,952)	(£42,902)	(£25,918)	(£23,779)	(£15,120)
Malaya—						
Corundum ..	—	—	—	2	—	—
Grinding and polishing wheels, etc. (including re-exports) ..	42	76	33	66	64	54
New Zealand—						
Pumice ..	791	803	706	1,515	1,093	1,569
FOREIGN COUNTRIES						
Austria—						
Emery and other natural abrasives ..	470	525	765	833	710	802
Grindstones ..	—	1	—	—	—	—
Millstones ..	185	133	401	236	568	325
Artificial abrasives ..	1,580	1,705	1,003	1,539	2,060	3,328
Belgium-Luxemburg						
E. U.—						
Emery and other natural abrasives ..	3	93	503	45	42	33
Corundum, artificial ..	22	19	26	7	8	4
Millstones, grindstones, etc. ..	95	72	73	71	71	81

*See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

EXPORTS OF ABRASIVES (cont.)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Denmark—						
Emery	31	7	2	3	3	3
Millstones and grindstones	365	176	228	149	270	293
Finland—						
Grindstones, etc. (c) ..	149	169	314	53	93	388
France—						
Corundum and emery ..	249	200	309	204	185	205
Pumice	49	32	34	22	11	12
Other natural abrasives	(a)	(a)	(a)	(a)	48	80
Millstones and grindstones (b)	1,918	1,847	1,567	1,448	799	846
Whetstones	80	56	56	41	38	73
Carborundum	115	440	765	1,540	1,459	1,604
Corundum, artificial ..	3,495	2,341	3,999	5,481	5,028	5,548
Germany (Federal)—						
Emery	} 578	} 126	} 173	} 1,665	256	209
Pumice					862	194
Other natural abrasives					2	1
Millstones, grindstones, etc. (c)	2,799	2,112	2,544	2,595	2,602	2,439
Corundum, artificial ..	4,581	3,265	5,998	9,077	11,324	12,871
Greece—						
Emery	7,711	5,490	6,621	8,321	4,578	8,257
Pumice	9,690	29,853	16,732	17,993	10,850	38,135
Italy—						
Pumice	21,937	34,129	39,383	49,111	54,919	54,541
Emery and corundum	5	2	29	52	43	164
Tripoli	51	116	76	91	40	45
Millstones	4	22	29	32	116	133
Grindstones	29	79	67	92	87	155
Whetstones	99	97	104	106	95	74
Carborundum	43	158	63	110	108	175
Corundum artificial ..	268	351	420	458	19	200
Netherlands—						
Emery, etc.	2,044	1,454	2,265	2,809	2,965	3,317
Norway—						
Emery, etc.	86	122	35	46	25	8
Whetstones	55	12	31	—	—	—
Abrasive wheels	225	67	230	299	366	169
Sweden—						
Emery	9	2	4	1	5	—
Other natural abrasives	—	51	1	—	1	8
Carborundum	290	216	219	504	580	331
Corundum, artificial ..	42	47	230	392	473	552
Millstones, grindstones, etc. (b)	248	137	155	170	200	142
Switzerland—						
Carborundum, emery, etc., crude	17	39	81	261	56	74
do. do. ground	1,652	1,187	1,563	2,299	1,568	1,723
Grindstones	10	1	3	—	1	11
Madagascar—						
Garnet	380	115	1	189	109	323
Mozambique—						
Corundum	—	—	—	—	8	—
Costa Rica—						
Millstones	(a)	95	161	49	(a)	(a)
Mexico—						
Pumice, etc.	5	4,554	5,854	875	190	21

(a) Information not available.

(b) Revised.

(c) Including artificial.

EXPORTS OF ABRASIVES (*cont.*)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
United States—						
Corundum	140	213	135	139	222	186
Emery powder	682	1,013	1,160	1,250	1,727	1,046
Grindstones	353	386	319	404	384	295
Whetstones, etc. ..	83	71	58	94	56	88
Other natural abrasives	32,117	49,849	46,736	58,670	63,480	65,650
Aluminium oxide, fused	8,915	8,454	10,103	11,781	11,079	9,587
Silicon carbide	6,856	4,704	5,886	6,313	7,001	6,830
Unfused alumina	79	232	173	105	30	50
Other crude artificial abrasives	31	22	15	51	71	138
Japan—						
Emery	10	50	88	51	124	187
Other natural abrasives	10	20	10	86	147	131
Grindstones, etc. ..	61	157	158	246	100	141
Artificial abrasives ..	60	454	185	112	407	263
Turkey—						
Emery and carborundum	6,139	3,201	8,458	9,230	8,561	7,843

IMPORTS OF ABRASIVES*

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Emery	4,163	3,049	6,986	4,062	3,923	4,209
Garnet concentrates—						
Unground	677	336	160	250	298	431
Ground	261	202	402	357	392	394
Other natural abrasives	5,755	4,054	6,201	9,067	8,125	7,298
Aluminium oxide .. .	25,055	12,305	26,173	30,555	25,207	23,067
Carborundum	11,491	3,268	11,028	11,387	11,246	9,539
Grinding wheels of hard abrasives	782	36	72	83	119	} 151
Grindstones and whetstones	7	2	2	48	36	
Other manufactured abrasives	439	15	76	106	99	(a)
Malta—						
Pumice	(a)	(a)	14	200	13	78
Kenya and Uganda—						
Grindstones, etc. .. .	35	34	31	37	74	37
Mauritius—						
Grindstones, etc. .. .	43	49	39	(£2,760)	43	44
Tanganyika—						
Grindstones, wheels, etc.	16	17	14	23	22	18
Union of South Africa—						
Emery	21	26	43	44	42	41
Pumice	92	33	75	85	53	62
Other abrasives (£S.A.)	(£192,137)	(£56,109)	(£133,469)	(£141,496)	(£184,574)	(£189,850)
Abrasive wheels and discs (£S.A.) .. .	(£119,950)	(£83,864)	(£77,246)	(£76,483)	(£63,303)	(£66,605)
Grindstones, millstones, etc. (£S.A.) .. .	(£4,306)	(£4,044)	(£4,808)	(£4,566)	(£5,488)	(a)
Canada—						
Pumice, etc. (b) .. .	(£40,428)	(£59,823)	(£59,717)	(£77,948)	(£88,239)	(£92,519)
Emery, ground (b) .. .	(£48,874)	(£60,236)	(£73,447)	(£75,512)	(£88,303)	(£92,868)
Artificial abrasives, ground	(£549,546)	(£638,104)	(£568,729)	(£723,285)	(£848,412)	(£820,892)
Buhrstones	(£538)	(£356)	(£353)	(£272)	(£266)	(£219)
Emery and artificial abrasives manufactures	(£62,959)	(£78,204)	(£110,186)	(£124,077)	(£188,795)	(£223,650)
Grindstones and wheels	(£596,337)	(£739,486)	(£699,348)	(£820,294)	(£931,892)	(£886,165)
British West Indies—						
Jamaica—						
Natural abrasives .. .	(£177)	(£442)	63	32	5	5
Grindstones	(£3,403)	(£2,772)	7	8	11	6
Trinidad and Tobago—						
Grindstones and wheels	15	21	16	38	18	15
Ceylon—						
Grindstones	(£8,020)	(£8,935)	(£7,959)	(£1,195)	(£11,368)	(£9,969)
Cyprus—						
Grindstones and millstones	(£1,122)	(£2,900)	(£3,841)	(£2,849)	(£2,437)	(£3,926)
Hong Kong—						
Grinding and polishing wheels, etc. (b) .. .	(£66,398)	(£120,742)	(£108,162)	(£40,324)	(£46,509)	(£40,316)
Malaya (b)—						
Grinding and polishing wheels, etc.	281	268	274	424	450	408

* See also Aluminium, Diamonds and Diatomaceous earth.

(a) Information not available.

(b) Total imports.

IMPORTS OF ABRASIVES (cont.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES (cont.)						
Australia (b)—						
Emery	210	54	101	121	107	79
Corundum	1,097	2	33	13	84	26
Pumice	(£16,036)	(£9,734)	952	1,812	1,440	1,210
Grindstones, etc. (c) ..	167	73	103	182	89	113
Garnet grains			28	93	25	41
Tripoli	251	129	179	251	300	244
Other natural abrasives			127	69	45	99
Artificial abrasives (c) ..	1,858	1,284	2,244	2,773	2,372	2,887
New Zealand—						
Pumice	159	47	75	—	—	2
Corundum, emery, etc. ..	23	8	8	16	18	9
Carborundum, etc.	74	85	58	68	69	52
Grindstones, etc. (£N.Z.)	(£19,703)	(£9,018)	(£13,807)	(£13,148)	(£12,966)	(£16,712)
Irish Republic—						
Grindstones, oilstones, etc.	127	112	119	159	113	102
FOREIGN COUNTRIES						
Austria—						
Emery and other natural abrasives	48	48	218	298	258	221
Artificial abrasives	908	703	1,956	3,148	2,910	2,644
Pumice, etc.	204	125	175	353	616	510
Grindstones	184	139	139	215	158	64
Millstones	78	83	98	121	117	83
Belgium-Luxemburg						
E.U.—						
Emery and other natural abrasives	5,775	12,034	27,273	1,063	2,403	4,688
Corundum, artificial	921	705	935	1,269	1,119	1,196
Millstones, grindstones, etc.	340	246	282	216	199	236
Silicon carbide	1,399	918	904	1,076	1,575	1,262
Denmark—						
Emery, etc.	527	351	487	265	360	466
Pumice	713	1,505	768	946	1,400	1,406
Carborundum	202	276	256	780	993	608
Millstones and grind- stones	148	208	244	181	142	150
Finland—						
Emery, pumice, etc.	414	428	828	672	561	500
Carborundum	65	52	134	242	260	263
Millstones, etc. (e)	27	16	19	—	—	—
Whetstones, grind- stones, etc. (e)	2,207	479	1,418	1,368	918	739
France—						
Corundum	18	9	18	14	1,668	830
Emery	1,714	262	2,507	2,211		
Pumice	13,275	31,671	44,264	43,279	59,572	91,961
Millstones and grind- stones (d)	110	83	123	192	195	103
Whetstones	81	130	131	175	167	94
Carborundum	2,233	1,015	1,044	2,143	1,776	1,793
Corundum, artificial	754	490	108	787	1,023	860

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Total imports.

(d) Revised.

(e) Including artificial.

IMPORTS OF ABRASIVES (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Germany (Federal)—						
Emery	5,238	3,951	6,312	8,117	1,340	1,293
Pumice, etc. .. .					6,194	6,459
Other natural abrasives Millstones, grindstones, etc. (c)					135	76
Corundum, artificial ..	432	187	281	323	502	276
Iceland—	694	628	1,225	1,142	683	499
Millstones, etc. . . .	26	29	30	38	8	13
Italy—						
Emery and corundum ..	1,117	1,749	1,142	1,866	1,014	1,545
Tripoli	58	49	341	576	543	639
Millstones	63	61	100	125	32	141
Grindstones	237	201	169	123	100	89
Whetstones	65	26	25	51	23	13
Corundum, artificial ..	1,057	1,279	1,534	2,607	2,719	3,002
Carborundum	783	1,217	1,746	2,150	2,375	2,181
Netherlands—						
Emery	2,886	1,523	3,144	4,322	4,137	3,980
Other natural abrasives Millstones and grind- stones	580	1,392	2,005	2,400	2,085	1,698
Corundum, artificial ..	226	229	248	219	147	142
Carborundum	469	478	476	828	905	1,464
Norway—	239	215	306	433	479	579
Emery, etc.	410	284	577	620	768	552
Whetstones	2	2	6	3	3	1
Abrasive wheels	63	64	94	106	115	124
Portugal—						
Emery, etc.	405	213	350	382	447	512
Pumice	199	182	164	201	257	201
Millstones	198	95	121	150	64	63
Spain—						
Emery powder	128	57	16	43	22	15
Carborundum	509	328	376	360	340	1,268
Sweden—						
Emery	418	312	494	464	468	586
Pumice	116	138	156	226	192	205
Other natural abrasives Carborundum, etc. ..	679	717	686	911	605	801
Corundum, artificial ..	1,484	920	1,496	1,771	1,911	2,517
Grindstones, etc. (b) ..	1,614	923	1,501	2,693	2,984	3,519
Millstones (b)	264	198	140	176	160	128
Switzerland—	152	80	113	107	41	51
Emery, crude	649	232	410	693	811	343
Carborundum, emery, etc., ground	1,155	721	865	1,156	2,110	2,194
Millstones	73	40	24	32	49	51
Grindstones	256	257	266	300	174	202
Whetstones	15	18	17	18	17	17
Yugoslavia—						
Corundum, etc.	567	1,030	849	795	1,090	1,217
Algeria—						
Emery, corundum, etc.	16	3	3	5	11	95
Pumice	331	6,284	8,332	11,276	18,883	23,191
Millstones and grind- stones (c)	326	283	277	181	169	156
Belgian Congo—						
Natural abrasives ..	(a)	53	28	25	34	27
Corundum, artificial ..	(a)	43	5	10	65	128

(a) Information not available.

(b) Revised.

(c) Including artificial.

IMPORTS OF ABRASIVES (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
Egypt—						
Emery, pumice, etc. . .	1,980	1,882	1,379	3,779	(a)	(a)
Millstones	19	29	6	26	(a)	(a)
Grindstones	149	94	134	136	(a)	(a)
Whetstones	10	17	41	10	(a)	(a)
Morocco (Southern)—						
Millstones and grind- stones (d)	104	107	126	109	50	30
Emery, pumice, etc. . .	50	953	875	870	1,152	130
Sudan—						
Grindstones	22	42	21	51	67	(a)
Tunis—						
Pumice	(a)	3,121	5,361	3,643	199	7
Millstones and grind- stones (d)	(a)	127	97	99	91	58
Cuba (c)—						
Grindstones	994	614	742	568	700	(a)
Guatemala (c)—						
Emery	8	11	14	15	22	22
Mexico (c)—						
Emery and carborundum	1,322	1,256	1,196	1,078	1,077	1,049
Pumice	3	3	4	5	10	360
Millstones and grind- stones	453	450	451	665	722	795
United States—						
Corundum, crude . . .	4,081	2,388	989	1,249	1,658	3,664
Emery, crude	—	—	500	750	1,750	1,191
Corundum and emery, ground	11	29	217	506	429	645
Pumice, crude	19,630	29,208	18,706	26,731	17,399	31,413
do. manufactured . . .	427	842	848	1,337	1,174	1,897
Tripoli, etc.	1,461	332	—	25	—	8
Crude artificial abrasives	164,960	255,862	200,103	197,143	206,998	251,351
Argentina—						
Emery	2,972	440	919	1,505	1,751	2,759
Grindstones	5	—	—	—	—	1
Oil stones	78	—	3	10	—	—
Brazil (c)—						
Emery, pumice, etc. . .	} 232	68	149	129	66	69
Carborundum		148	406	296	491	460
Millstones, grindstones, etc.		961	121	940	1,095	814	284
Chile—						
Emery	25	24	33	11	215	(a)
Carborundum	2	2	6	1	(a)	(a)
Millstones, grindstones, etc.	132	168	80	164	(a)	(a)
Colombia—						
Emery and pumice . . .	37	42	52	42	58	81
Tripoli and other natural abrasives . . .	38	70	85	123	213	149
Millstones and grind- stones (d)	53	80	82	92	143	107
Peru—						
Emery and pumice . . .	27	28	38	34	38	34
Millstones, grindstones, etc. (d)	77	86	69	99	90	89

(a) Information not available.

(b) Years ended March 20 of that following.

(c) Total imports.

(d) Including artificial.

IMPORTS OF ABRASIVES (*cont.*)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Venezuela (<i>c</i>)—						
Emery and pumice ..	40	43	206	(<i>a</i>)	82	114
Carborundum	(<i>a</i>)	16	62	(<i>a</i>)	86	85
Indonesia—						
Emery	28	72	62	126	235	109
Other natural abrasives	138	81	95	77	195	121
Iran (<i>b</i>)—						
Emery, etc.	12	8	5	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Iraq—						
Emery, pumice, etc.	2	2	2	3	28	(<i>a</i>)
Grindstones, whetstones, etc.	16	30	21	29	(<i>a</i>)	(<i>a</i>)
Japan—						
Emery	96	290	58	197	161	190
Other natural abrasives	277	494	64	182	242	366
Grindstones, etc. (<i>e</i>) ..	48	15	25	16	2	33
Artificial abrasives (<i>e</i>) ..	417	377	430	326	212	623
Lebanon—						
Emery	4	3	3	3	5	7
Pumice, etc.	2	13	2	23	6	4
Millstones	37	45	15	25	81	20
Philippine Republic—						
Pumice	6	1	1	12	3	2
Syria—						
Emery	(<i>a</i>)	53	93	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Pumice, etc.	(<i>a</i>)	5	2	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Thailand (<i>c</i>)—						
Natural abrasives ..	312	123	272	345	399	492
Turkey—						
Natural abrasives ..	4	7	1	10	1	3
Millstones and grindstones (<i>d</i>)	711	367	222	96	391	263

 (*a*) Information not available.

 (*b*) Years ended March 20 of that following.

 (*c*) Total imports.

 (*d*) Including artificial.

 (*e*) Revised.

ALUMINIUM
(Including Bauxite and Cryolite)

PRODUCTION OF BAUXITE

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Ghana (b)	74,368	115,075	163,516	116,285	137,872	185,403
Jamaica (e)	340,420	1,154,172	2,033,786	2,645,345	3,084,602	4,595,943
British Guiana (c)	2,387,938	2,257,747	2,304,464	2,435,282	2,480,966	2,201,903
India	63,505	70,848	74,747	81,172	91,225	96,750
Malaya	21,796	152,170	165,621	222,162	264,444	325,629
Australia	7,235	4,052	5,487	7,563	10,329	7,707
TOTAL	2,895,242	3,754,064	4,747,621	5,507,809	6,069,438	7,413,335
FOREIGN COUNTRIES						
Austria	14,940	17,932	16,993	18,836	21,744	21,972
France	1,101,337	1,137,860	1,254,700	1,469,200	1,443,200	1,657,000
Germany (Federal)	5,851	5,163	4,100	3,800	4,800	4,600
Greece	280,413	323,057	347,936	492,271	686,958	(f) 787,000
Hungary	1,188,000	1,372,000	1,240,000	1,221,000	878,600	902,773
Italy	261,352	267,099	289,453	322,004	271,426	256,987
Roumania (f)	9,800	14,300	14,800	15,800	15,800	15,800
Spain	11,512	5,106	5,644	6,290	6,921	7,275
U.S.S.R. (d)	900,000	1,000,000	1,025,000	1,050,000	1,130,000	1,300,000
Yugoslavia	603,751	470,015	675,844	778,524	867,497	874,211
French West Africa	97,813	320,399	484,377	485,389	444,400	360,100
Mozambique	2,449	3,058	2,397	2,611	3,705	4,963
Haiti	—	—	—	—	—	(b) 318,345
United States (e)	1,667,047	1,579,739	1,994,896	1,788,341	1,743,344	1,414,189
Brazil	14,093	18,524	27,182	44,359	68,653	(f) 64,000
Dutch Guiana	3,172,833	3,224,617	3,367,137	3,013,569	3,427,564	3,324,504
Indonesia	338,325	147,190	163,110	259,511	298,510	237,653
TOTAL (d)	9,700,000	9,900,000	10,900,000	11,000,000	11,300,000	11,600,000
WORLD'S TOTAL (d)	12,600,000	13,650,000	15,650,000	16,500,000	17,400,000	19,000,000

Bauxite is known to have been produced in China.

(a) Information not available.

(b) Exports.

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

	1952	1953	1954	1955	1956	1957
Metallurgical ..	2,102,109	1,816,983	1,937,171	1,893,939	1,721,098	1,628,172
Chemical	30,843	52,090	35,285	50,765	76,930	84,405
Refractory	49,312	103,487	115,284	144,458	215,401	125,190
Abrasive	103,681	141,635	91,125	104,550	111,872	164,382

Exports of calcined ore are shown on page 13.

(d) Estimated.

(e) Dried bauxite equivalent.

(f) United States Bureau of Mines estimates.

PRODUCTION (EXPORTS) OF CRYOLITE IN GREENLAND

Year	Long tons
1952	71,959
1953	44,419
1954	52,687
1955	41,131
1956	38,276
1957	48,515

PRODUCTION OF ALUMINIUM
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (b) ..	28,006	30,916	31,603	24,445	27,582	29,404
Canada	446,212	489,683	498,122	546,913	553,858	497,456
India	3,566	3,759	4,886	7,225	6,500	7,784
Australia	—	—	—	1,248	9,143	10,624
TOTAL	477,784	524,358	534,611	579,831	597,083	545,268
FOREIGN COUNTRIES						
Austria	36,128	42,788	47,248	56,296	58,474	58,474
Czechoslovakia ..	—	3,000	15,000	23,996	20,869	16,425
France	104,452	111,278	118,164	127,411	147,395	157,304
Germany—						
Federal (c)	98,887	105,251	127,178	134,901	145,035	151,407
East (d)	8,800	9,600	21,000	26,000	30,000	28,000
Hungary	25,000	28,000	32,300	36,380	34,260	25,585
Italy	51,996	54,586	56,663	60,723	62,408	65,145
Norway	52,014	52,330	60,343	70,627	90,490	94,137
Poland	—	—	(f) 2,500	20,100	21,500	20,000
Roumania	(a)	(a)	(a)	(f) 5,500	(f) 7,900	(f) 10,000
Spain	4,046	4,306	4,606	10,275	13,334	14,692
Sweden	8,115	9,496	10,444	9,877	12,262	13,356
Switzerland	27,000	29,000	25,600	29,500	29,500	30,500
U.S.S.R. (d)	240,000	280,000	310,000	390,000	430,000	500,000
Yugoslavia	2,523	2,748	3,441	11,317	14,430	17,848
Cameroon (French)	—	—	—	—	—	7,481
United States (e) ..	836,902	1,117,869	1,304,076	1,397,965	1,499,066	1,471,173
Brazil	1,068	1,180	1,439	1,638	6,179	(f) 8,700
China	—	—	(f) 2,900	(f) 6,900	(f) 10,000	(f) 20,000
Formosa	3,795	4,837	7,018	6,891	8,621	8,129
Japan	41,986	44,775	52,273	56,600	64,955	66,900
TOTAL	1,550,000	1,900,000	2,200,000	2,480,000	2,710,000	2,790,000
WORLD'S TOTAL ..	2,028,000	2,424,000	2,740,000	3,060,000	3,300,000	3,300,000

(a) Information not available.

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

1952	93,248 long tons
1953	89,999 " "
1954	103,354 " "
1955	127,089 " "
1956	117,679 " "
1957	108,385 " "

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

1952	47,989 long tons
1953	47,875 " "
1954	68,898 " "
1955	91,249 " "
1956	85,864 " "
1957	88,332 " "

(d) Estimated.

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

1952	271,895 long tons
1953	329,077 " "
1954	260,751 " "
1955	267,510 " "
1956	267,297 " "
1957	262,062 " "

(f) United States Bureau of Mines' estimate.

EXPORTS OF ALUMINIUM, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Alumina	4,787	15,788	10,497	20,259	26,308	32,725
Ingots, etc. (f)	1,757	11,357	4,033	3,638	9,681	6,896
Scrap (f)	3	150	304	30	15	52
Sheets, strip and plates	7,526	7,895	8,012	8,871	14,160	9,064
do. alloyed	15,838	24,041	14,700	14,678	17,068	12,716
Discs, circles and slugs	3,010	3,736	4,767	5,411	4,541	4,025
do. alloyed	653	430	263	229	341	337
Bars, rods, tubes, shapes						
and wire	2,169	1,343	3,462	5,520	4,478	5,050
do. alloyed	3,185	5,814	4,084	4,746	4,473	4,605
Powder	802	663	874	779	791	725
Foil (f)	2,992	2,748	3,688	4,747	5,469	5,357
Aluminium sulphates ..	31,921	29,542	35,752	38,985	42,136	34,619
Ghana—						
Bauxite	74,368	115,075	(e) 175,991	116,285	137,872	185,403
Southern Rhodesia—						
Ingots, blocks and rods	23	41	(a)	(a)	(a)	(a)
Union of South Africa—						
Aluminium sulphates ..	801	1,290	1,014	201	188	94
Canada—						
Blocks, bars and ingots	368,383	410,439	418,298	455,921	454,459	427,384
Scrap	3,119	12,012	12,431	11,716	8,019	11,052
Sheets, rods, etc.	21,087	15,515	15,577	11,500	6,320	11,244
Foil	1,126	437	491	803	405	210
Jamaica—						
Bauxite (d)	265,185	1,203,200	1,998,131	2,529,363	2,978,862	4,239,972
Alumina	—	28,732	106,366	183,969	213,321	435,752
British Guiana—						
Bauxite, dried	2,140,456	1,867,175	1,916,200	1,916,891	1,789,765	1,734,064
do. calcined	145,510	244,900	209,335	252,330	317,878	287,130
Hong Kong (re-exports)—						
Unwrought (f)	17	—	3	58	271	7
Scrap	11	6	108	191	267	94
Plates and sheets	4	—	20	26	171	106
Foil	—	198	41	72	177	357
India—						
Bauxite	4,036	2,807	3,022	8,776	4,405	8,467
Malaya—						
Bauxite	26,984	136,161	167,290	259,442	251,853	340,624
Unwrought (c) (f)		2	26	—	16	10
Plates and sheets (c) (f) }	462	371	269	357	326	218
Bars, rods, wire, foil, }		15	11	3	7	7
(c) (f)						
Aluminium sulphates (c)	928	731	1,051	381	211	477
Australia (b) —						
Bauxite	—	51	26	—	—	—
Pigs, ingots, etc. (f) ..	—	638	182	—	—	764
Scrap (f)	—	49	773	120	59	118
Bars and sheets (f)	70	28	66	29	31	20
Aluminium sulphates ..	74	18	49	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Bauxite	9,313	8,559	9,237	8,406	6,962	6,765
Crude (f)	10,591	25,823	20,911	24,974	24,002	22,524
Scrap	644	2,309	2,125	1,956	2,469	3,240
Sheets, rods, wire, foil,						
etc.	2,894	4,043	6,353	5,116	7,786	7,224

(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. (f) Including alloys.

EXPORTS OF ALUMINIUM, ETC. (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U.—						
Alumina and hydrates ..	38	4	3	23	1	1
Crude	105	521	1,661	836	577	421
Scrap	124	200	257	170	110	387
Bars, sheets, wire ..	4,210	3,060	3,849	6,215	(a)	(a)
Aluminium sulphates ..	9,587	16,275	22,692	26,708	28,487	18,097
Denmark—						
Refined cryolite ..	27,279	22,827	19,505	17,942	18,930	21,638
Crude	288	85	19	248	49	22
Scrap	134	505	292	343	197	290
Sheets, wire, foil, etc. . .	339	305	59	101	130	103
France—						
Bauxite	333,219	272,540	312,748	345,628	320,109	320,232
Cryolite	20	7	—	—	—	3
Alumina	63,620	61,703	72,256	79,595	96,325	113,738
Aluminium hydrates ..	278	4,466	7,223	12,594	8,631	11,136
Ingots	8,959	38,018	16,435	21,957	12,962	13,169
do. alloys	982	4,994	1,961	8,113	1,824	2,772
Scrap	11	13	63	386	452	448
Bars, sheets, wire, etc. . .	1,988	2,746	2,704	4,256	2,519	2,870
do. alloys	776	1,649	816	1,725	2,861	2,460
Foil	129	300	324	306	535	692
Powder	76	81	63	90	42	122
Aluminium sulphates ..	4,074	9,355	9,477	5,403	5,479	6,489
Germany (Federal)—						
Bauxite and cryolite ..	49	11	315	60	21	74
Alumina	49,389	62,478	90,642	76,374	71,506	75,987
Aluminium hydrates ..	4,623	9,508	14,169	16,348	17,809	17,941
Crude and scrap (b) ..	7,251	25,019	12,102	611	1,544	7,110
Bars, sheets, wire, etc. . .						
(b) (d)	8,828	6,220	8,710	11,863	12,010	10,993
Foil	4,706	5,370	6,189	6,693	8,172	8,561
Powder	384	468	844	1,037	1,072	1,086
Aluminium sulphates ..	(c) 13,562	23,546	27,721	38,579	36,471	39,567
Greece—						
Bauxite	296,269	309,447	337,653	471,114	658,874	769,024
Hungary—						
Bauxite	713,044	759,026	770,636	545,439	369,674	460,008
Alumina	51,819	70,261	63,159	77,806	87,238	88,137
Italy—						
Bauxite	1,045	—	—	—	—	—
Alumina	24,532	32,220	27,283	34,569	40,130	38,389
Aluminium hydrates ..	—	1	5	560	1,087	16
Crude	4,102	3,052	11,401	4,549	3,132	1,058
Bars, sheets, wire (b) ..	4,233	1,169	1,346	2,661	3,340	2,984
Foil	85	10	34	203	163	395
Aluminium sulphates ..	7,063	3,564	4,595	5,481	3,381	2,152
Netherlands—						
Crude (b)	321	537	427	3,585	652	654
Scrap	2,677	2,311	1,778	1,250	1,398	1,567
Bars, sheets and wire ..	166	227	800	777	1,196	901
Foil	62	93	103	141	231	279
Norway—						
Alumina	32	—	31	3	4	5
Crude (b)	34,501	47,811	45,657	60,463	78,259	71,054
Scrap	426	255	297	109	134	116
Sheets etc.	1,578	1,275	2,695	2,544	3,902	3,582

(a) Information not available.

(c) April to December only.

(b) Including alloys.

(d) Revised.

EXPORTS OF ALUMINIUM, ETC. (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Spain—						
Powder	82	—	—	—	—	—
Sweden—						
Crude	158	159	2,646	588	706	459
Sheets, tubes and wire ..	62	216	585	2,691	2,391	3,510
Scrap	795	1,873	702	821	308	2,482
Aluminium sulphates ..	8,381	6,562	7,937	8,687	7,506	9,426
Switzerland—						
Alumina	127	37	—	—	3	—
Blocks, ingots, etc. and scrap	3,365	8,324	7,659	4,523	2,709	2,927
do. (alloys)	1,769	2,270	2,363	2,624	2,044	2,551
Bars, sheets, tubes and wire (c)	1,963	2,868	1,369	1,243	1,120	997
do. (alloys) (c)	2,291	2,985	2,605	2,284	2,499	2,333
U.S.S.R.—						
Cryolite	(a)	(a)	(a)	1,900	1,300	1,000
Crude (b)	(a)	(a)	(a)	40,900	59,000	84,100
Yugoslavia—						
Bauxite	603,039	458,178	553,219	647,951	668,754	688,916
Alumina and hydrates ..	4,465	2,888	4,329	19,605	13,594	12,502
Crude	6	—	—	2,798	2,595	2,541
Scrap	675	1,292	844	297	528	1,262
Bars, rods and wire	—	—	—	381	490	574
Plates and sheets	—	—	39	12	127	1,639
Algeria—						
Ingots	26	—	—	—	9	—
Scrap	218	261	158	278	325	353
French West Africa—						
Bauxite	58,190	357,119	448,911	471,946	449,979	356,656
Mozambique—						
Bauxite	2,175	2,131	2,105	1,763	2,688	4,477
Greenland—						
Cryolite	71,959	44,419	52,687	41,131	38,276	48,515
Haiti—						
Bauxite	—	—	—	—	—	318,345
United States—						
Bauxite, etc.	41,329	27,907	16,174	14,117	14,921	60,993
Cryolite	74	117	77	154	191	148
Ingots and alloys	1,239	2,121	3,611	5,329	30,860	24,984
Scrap	917	4,090	35,123	16,331	17,258	16,219
Plates, sheets, bars, etc. ..	7,006	6,932	5,402	7,150	11,154	12,291
Foil	136	229	211	485	380	791
Aluminium sulphates ..	17,628	12,833	12,950	17,495	14,402	17,580
Brazil—						
Bauxite	98	591	118	3,255	16,569	3,115
Dutch Guiana—						
Bauxite	3,104,957	3,225,244	3,371,891	3,011,672	3,427,564	3,324,649
Formosa—						
Ingots	(a)	1,897	2,334	3,111	3,926	3,269
Indonesia—						
Bauxite	216,575	159,918	242,882	258,623	308,301	253,815
Japan—						
Cryolite	1	—	447	—	—	—
Ingots, etc.	6,597	8,392	8,294	14,060	2,687	235
Bars, rods, plates, tubes and wire	6,329	2,841	5,620	9,665	5,966	3,575
Scrap	170	—	—	—	—	2
Aluminium sulphates ..	840	1,933	4,127	2,313	2,424	2,632

(a) Information not available.

(b) May include some foreign produce.

(c) Revised.

IMPORTS OF ALUMINIUM, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Bauxite	282,626	268,764	370,372	328,058	315,030	354,460
Cryolite	3,270	2,262	3,766	3,403	2,232	2,203
Alumina	4	3	14	30	42	280
Ingots, etc.	237,131	178,799	190,597	247,185	211,351	184,375
do. alloys	206	9	29	11,295	20,940	6,818
Scrap (f)	1,307	526	299	459	339	623
Bars, sheets, tubes, etc. (f)	2,191	108	180	590	517	656
Foil (f)	648	228	457	669	543	857
Ghana—						
Sheets	(a)	(a)	693	1,084	958	1,118
Kenya (f)—						
Unwrought and scrap	191	59	397	414	331	691
Bars, sheets, rods, etc.	901	1,079	2,355	1,142	42	58
Mauritius (f)—						
Bars, sheets, wire etc.	55	87	35	77	185	178
Nigeria—						
Sheets	(a)	(a)	1,083	1,764	1,780	2,084
Northern Rhodesia—						
Ingots, bars and sheets	469	374	(c)	(c)	(c)	(c)
Sierra Leone—						
Sheets	(a)	(a)	49	31	98	100
Southern Rhodesia—						
Ingots, bars and sheets	221	5	(d) 203	(d) 386	(d) 590	(d) 715
Foil	25	31	(d) 45	(d) 47	(d) 94	(d) 57
South West Africa—						
Ingots, bars, sheets, etc.	45	17	6	(g)	(g)	(g)
Tanganyika (f)—						
Bars, sheets, rods, etc.	420	369	488	462	37	11
Uganda (f)—						
Bars, sheets, rods, etc.	944	1,281	896	1,120	40	2
Union of South Africa—						
Ingots, blocks, and pigs	2,174	2,477	3,702	(h) 5,181	(h) 4,469	(h) 6,575
Sheet, wire, foil, etc. ..	1,631	548	446	(h) 791	(h) 1,572	(h) 2,039
Aluminium sulphates ..	1,147	114	625	(h) 2,704	(h) 3,132	(h) 3,863
Barbados—						
Bars, sheets, tubes, wire	(£14,317)	(£345)	(£13,788)	(£9,638)	(£8,176)	22
Canada—						
Bauxite	e 2,191,847	e 2,400,415	i 2,638,767	i 2,582,227	i 2,115,296	i 2,026,327
Cryolite	2,005	75	3,977	3,038	16,348	14,212
Alumina	287	269	(b) 5,964	(b) 178,403	(b) 196,880	(b) 241,628
Ingots, rods, sheets, etc.	3,359	5,789	3,587	4,763	14,544	12,087
Scrap	459	111	85	127	1,130	221
Leaf and foil	(£68,501)	(£135,113)	(£113,473)	(£354,479)	(£332,394)	(£350,091)
Powder	13	124	262	195	212	323
Aluminium sulphates ..	9,262	13,513	15,923	13,925	12,371	13,435
Trinidad and Tobago—						
Aluminium sulphates ..	411	147	118	216	521	1,847
British Guiana—						
Sheets (f)	377	(a)	145	192	188	451
Aluminium sulphates ..	(a)	(a)	148	350	321	343
Ceylon—						
Sheets	(a)	132	182	374	1,121	394
Foil	196	352	591	357	268	371

(a) Information not available.

(b) Bauxite and alumina for other purposes.

(c) See under Southern Rhodesia.

(d) Federation of Rhodesia and Nyasaland.

(e) May include some alumina.

(f) Including alloys.

(g) Included with Union of South Africa.

(h) Including South West Africa.

(i) Bauxite and alumina for refining.

IMPORTS OF ALUMINIUM, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES (cont.)						
Hong Kong (e)—						
Bauxite	(a)	(a)	49	177	152	169
Unwrought (d)	104	727	644	1,336	1,294	1,596
Scrap	27	49	12	9	24	5
Plates, sheets, and wire	575	715	736	1,623	2,094	744
Bars, rods, pipes, tubes	328	491	226	72	169	117
Foil	(a)	411	175	343	362	891
India—						
Ingots, blocks, bars, etc.	1,523	617	1,871	5,566	2,818	17,902
Sheets, circles and tubes	1,745	658	1,292	1,063	1,708	1,991
Aluminium sulphates	121	742	281	310	273	314
Malaya (e)—						
Unwrought (d)		9	2	9	2	4
Plates and sheets (d)		1,733	2,352	2,214	3,348	1,974
Bars, rods, pipes, tubes and wire (d)	4,528					
Foil (d)		100	70	196	417	328
Aluminium sulphates	1,180	116	138	199	156	196
		1,564	1,816	1,169	3,578	3,064
Pakistan—						
Ingots, blocks, bars, etc.	(c) (a)	(c) 1,818	(c) 598	(c) 859	1,119	9,414
Sheets and circles	(c) 2,073	(c) 351	(c) 530	(c) 1,000	921	1,530
Aluminium sulphates	(c) 985	(c) 1,272	(c) 2,295	(c) 3,157	1,304	1,440
Sarawak—						
Unwrought (d)	(a)	(a)	—	300	1	—
Bars, sheets, wire etc. (d)	72	115	195	148	75	54
Aluminium sulphates	5	25	36	7	155	79
Australia (b) —						
Bauxite	14	—	—	9,337	28,716	35,169
Cryolite	2,094	196	161	88	145	1,257
Pigs, ingots, blocks (d)	11,661	6,285	9,248	12,763	12,032	10,396
Bars, sheets, tubes (d)	4,833	2,413	1,673	3,094	2,953	2,802
Wire (d)	137	331	6	6	64	51
Leaf and foil (e)	1,485	706	1,319	1,643	1,955	1,949
Powder	(a)	(a)	366	417	491	432
Aluminium sulphates	294	40	45	(a)	(a)	(a)
New Zealand—						
Ingots, etc.	141	458	568	612	288	388
Bars, sheets, tubes, etc.	3,850	803	1,048	1,818	1,385	1,659
do. (alloys)	711	433	412			
Wire (d)	56	31	22	74	151	120
Leaf and foil	357	165	266	346	388	385
Aluminium sulphates	635	677	1,165	(a)	(a)	(a)
Irish Republic—						
Bars, sheets, wire, etc. (d)	2,190	1,102	2,199	2,912	3,596	2,929
Foil (d)	272	464	520	541	437	573
Aluminium sulphates	2,239	2,313	3,329	3,288	3,643	3,368
FOREIGN COUNTRIES						
Austria—						
Bauxite	5,870	1,011	7,167	6,631	964	5,522
Cryolite	1,983	1,787	1,391	1,311	207	280
Alumina, calcined	69,362	80,601	104,476	101,086	123,028	104,430
Aluminium hydrates	1,570	2,382	2,750	3,254	3,296	3,147
Crude, scrap and alloys	86	80	56	154	130	208
Sheets, rods, wires, etc.	263	11	46	70	101	134
Aluminium sulphates	60	90	119	36	119	90

(a) Information not available.

(b) Years ended June 30 of that stated.

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

(d) Including alloys.

(e) Total imports.

IMPORTS OF ALUMINIUM, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U.—						
Bauxite	1,514	1,448	1,204	1,184	2,357	1,465
Alumina	88	149	918	211	229	262
Aluminium hydrates ..	1,938	8,022	10,035	11,580	10,010	8,654
Crude	12,439	12,309	17,656	24,135	31,094	25,194
Scrap	685	560	463	1,228	1,539	2,363
Bars, sheets, wire, foil, etc.	1,554	1,238	1,742	1,487	1,801	1,837
Aluminium sulphates ..	1,011	901	1,282	1,335	744	557
Denmark—						
Bauxite	—	—	255	1,210	1,066	703
Crude cryolite	40,029	27,602	41,037	32,983	27,753	(a)
Crude	3,565	2,931	2,909	4,687	3,136	3,665
Scrap	261	228	236	223	154	686
Bars, sheets, tubes and wire (b)	1,933	1,289	1,773	1,724	2,107	2,675
Leaf	388	484	477	592	797	576
Aluminium sulphates ..	2,706	2,794	3,292	3,601	3,996	3,318
Finland—						
Alumina	27	58	37	68	81	53
Crude	1,485	1,606	1,128	2,703	2,766	2,571
Bars, sheets and wire ..	1,713	1,769	2,650	5,182	5,719	5,569
Foil	149	193	323	526	505	609
Powder	114	217	238	258	314	371
Aluminium sulphates ..	8,326	11,150	18,023	18,195	20,772	20,823
France—						
Bauxite	2,494	3,623	11,847	10,224	19,392	23,166
Cryolite	2,902	1,768	1,209	1,314	1,532	1,341
Alumina	107	2	2	6	15	104
Aluminium hydrates ..	12	27	8	19	52	25
Ingots	3,721	345	1,565	1,046	6,918	8,687
Scrap	700	115	236	266	305	137
Sheets, bars and wire ..	1,265	846	723	389	186	121
Foil	491	200	277	729	1,491	719
Aluminium sulphates ..	5	—	—	21	19	17
Germany (Federal)—						
Bauxite	1,020,673	867,328	1,024,648	1,111,624	1,291,409	1,236,567
Cryolite	5,199	2,362	3,023	3,295	2,943	1,807
Alumina	—	—	31	2,178	99	69
Crude and scrap (b) ..	9,537	22,066	53,436	79,397	61,309	58,224
Bars, sheets, wire, etc. (b)	588	1,858	1,230	600	1,368	866
Foil	33	58	103	299	244	107
Germany (East)—						
Alumina, calcined ..	—	3,397	4,458	7,856	15,347	41,852
Greece—						
Aluminium	1,171	756	1,285	1,674	1,165	1,294
Foil	63	116	175		257	312
Aluminium sulphates ..	3	295	370	(a)	(a)	(a)
Italy—						
Bauxite	192,313	93,922	100,512	98,084	109,095	259,727
Cryolite	2,851	2,505	1,330	589	689	494
Alumina	11	46	49	63	40	90
Aluminium hydrates ..	81	37	44	171	673	507
Crude	3,919	3,590	3,103	5,284	9,331	12,343
do. alloys	38	4,272	1,804	895	2,504	4,668
Scrap	2,458	7,603	12,070	5,048	7,390	10,244
Bars, sheets and wire (b)	546	1,322	717	1,589	791	560
Foil	284	374	488	560	711	869
Aluminium sulphates ..	74	330	301	464	840	246

(a) Information not available.

(b) Including alloys.

IMPORTS OF ALUMINIUM, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Bauxite	443	104	101	880	4,257	5,891
Cryolite	108	81	163	124	169	222
Alumina and hydrates ..	228	2,104	3,240	4,485	5,138	5,200
Crude and alloys	6,665	6,076	8,075	11,220	9,879	8,312
Scrap	24	38	205	261	347	570
Bars, sheets, wire, etc.	2,979	6,109	5,403	6,240	7,559	6,137
Foil	756	1,166	1,344	1,764	1,958	1,798
Aluminium sulphates ..	7,219	8,958	10,162	9,597	10,152	11,064
Norway—						
Bauxite	40,747	26,239	31,557	25,778	35,042	28,104
Cryolite	5,491	5,371	2,482	3,110	3,021	4,196
Alumina	71,359	76,670	121,138	137,683	142,102	109,937
Crude	1,561	2,250	1,061	71	1,095	117
Sheets and tubes	1,210	612	760	1,212	1,039	1,166
Foil	(a)	34	72	98	113	144
Aluminium sulphates ..	7,018	6,929	8,709	10,873	9,262	8,617
Portugal—						
Cryolite	—	8	16	21	13	33
Powder	107	104	99	100	105	93
Ingots, sheets and wire	1,242	1,294	1,912	1,916	2,770	2,504
Aluminium sulphates ..	648	916	1,426	1,783	1,887	2,012
Spain—						
Bauxite	—	5,759	11,083	10,271	21,559	18,617
Alumina	10,711	8,728	11,690	17,984	26,037	31,067
Ingots and scrap	864	2,719	2,708	2,297	2,901	5,053
Sheets, tubes and wire ..	184	537	1,732	434	191	117
Powder	3,441	15	26	15	11	11
Sweden—						
Bauxite	8,690	16,597	23,798	22,572	23,616	7,963
Cryolite (including artificial)	923	769	1,379	1,617	1,028	1,260
Alumina	13,718	17,572	16,222	23,724	26,509	27,296
Crude	14,880	14,448	15,165	18,626	19,456	15,768
Scrap	257	216	103	64	343	93
Sheets, tubes and wire	3,651	1,970	4,782	4,737	5,949	5,952
Aluminium sulphates ..	2,807	66	1,002	6,213	5,432	684
Switzerland—						
Alumina, etc.	60,242	54,966	58,281	64,688	59,192	61,840
Blocks, ingots, etc., and scrap	4,870	3,306	8,714	9,684	9,396	10,012
do. (alloys)	95	73	610	356	178	197
Bars, sheets, tubes and wire	210	95	92	30	191	92
do. (alloys)	96	24	91	240	125	159
U.S.S.R. (b)—						
Crude	(a)	(a)	(a)	6,900	9,500	—
Yugoslavia—						
Cryolite	(a)	257	1,383	1,123	1,211	907
Crude	327	—	571	274	1,024	1,582
Sheets, tubes, wire, etc.	1,476	259	244	723	214	171
Algeria—						
Bauxite	2,980	6,889	1,968	1,575	2,362	2,953
Ingots, sheets, wire, etc.	574	708	1,229	1,177	1,237	1,011
Aluminium sulphates ..	387	731	850	778	677	810
Angola—						
Bars and sheets	91	46	55	106	29	58
Aluminium sulphates ..	129	107	256	129	227	335
Belgian Congo—						
Cryolite	(a)	22	10	20	35	59
Alumina and hydrates	(a)	103	30	73	233	197
Bars, sheets and wire ..	(a)	(a)	(a)	1,676	1,640	1,774
Foil	(a)	(a)	(a)	9	55	59
Aluminium sulphates ..	1,319	1,064	578	1,107	1,276	669

(a) Information not available.

(b) Total imports.

IMPORTS OF ALUMINIUM, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
(cont.)						
Egypt—						
Crude and scrap	45	12	12	68	(a)	(a)
Bars, sheets, tubes and wire	581	732	941	1,279	(a)	(a)
Foil	168	134	262	254	(a)	(a)
Aluminium sulphates	7,947	7,557	(a)	(a)	(a)	(a)
Morocco (Southern)—						
Bauxite	292	358	1,026	1,650	1,458	—
Ingots	29	34	63	91	30	44
Bars, sheets and wire	123	166	315	649	400	492
Aluminium sulphates	855	1,093	1,633	861	1,945	501
Mozambique—						
Bars, sheets, wire	35	28	49	45	68	68
Tunis—						
Ingots and scrap	(a)	76	10	11	18	7
Aluminium sulphates	(a)	212	86	146	377	107
Costa Rica (d)—						
Bars, sheets, foil, etc.	(a)	68	15	193	155	214
Cuba (d)—						
Ingots and bars	397	222	187	425	410	(a)
Aluminium sulphates	2,621	1,525	2,128	4,954	1,806	(a)
Guatemala (d)—						
Aluminium sulphates	547	614	318	579	789	1,052
Mexico (d)—						
Alumina and hydrates	1,937	1,257	1,397	2,053	4,604	5,152
Ingots	1,974	4,969	4,514	7,865	7,878	8,690
Bars, sheets, wire, etc.	1,595	1,443	1,405	3,080	461	278
United States—						
Bauxite, crude dried (c)	3,461,951	4,230,082	4,988,122	4,882,493	5,669,833	7,725,919
do. calcined	31,412	91,606	99,421	107,694	138,716	67,222
Cryolite	34,262	26,301	18,876	19,625	20,645	29,207
Aluminium hydrates	654	1,100	2,347	3,151	3,487	1,592
Crude and alloys	114,494	268,685	192,188	158,618	193,215	198,355
Scrap	6,248	23,769	13,254	36,474	23,207	14,527
Sheets, bars, etc.	13,846	28,510	12,192	18,725	20,162	17,530
Foil (b)	848	812	819	1,569	1,476	1,564
Aluminium sulphates	6,588	1,801	3,516	4,721	3,159	2,908
Argentina—						
Bauxite	12,220	—	1	2,638	17,138	12,598
Ingots and sheets	2,543	3,600	15,893	14,536	19,533	12,402
Aluminium sulphates	715	75	612	—	—	—
Brazil (d)—						
Cryolite	246	105	734	313	1,108	645
Alumina	(a)	205	302	262	106	193
Ingots	5,827	7,275	14,955	6,348	12,548	12,492
Bars, sheets, tubes, wire	3,627	3,933	1,926	300	1,029	586
Scrap	(a)	—	—	—	889	—
Foil	(a)	695	133	15	3	96
Aluminium sulphates	4,691	3,735	6,701	2,873	524	11
Chile—						
Ingots	345	157	665	1,046	399	(a)
Bars, sheets and alloys	391	354	563	499	(a)	(a)
Aluminium sulphates	99	26	8	14	(a)	(a)
Colombia—						
Ingots and plates	546	1,028	1,535	1,449	1,804	1,175
Bars, sheets and wire	170	356	305	394	848	518
Foil	308	295	295	403	603	465
Aluminium sulphates	4,879	3,667	6,734	7,198	8,041	7,547

(a) Information not available.

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

(c) Revised.

(d) Total imports.

IMPORTS OF ALUMINIUM, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Ecuador—						
Bars, sheets, etc. ..	46	119	108	180	9	(a)
Aluminium sulphates ..	25	44	451	575	979	(a)
Peru—						
Ingots and scrap (c) ..	2	9	54	74	86	178
Bars, sheets and wire (c)	468	621	651	887	933	910
Aluminium sulphates ..	1,603	2,456	2,495	2,505	2,068	2,086
Uruguay—						
Ingots, sheets, etc. ..	734	290	(a)	(a)	(a)	(a)
Aluminium sulphates ..	2,477	4,116	(a)	(a)	(a)	(a)
Venezuela (d)—						
Crude	84	22	224	(a)	78	41
Aluminium sulphates ..	998	1,128	989	2,316	1,990	3,905
Formosa—						
Bauxite	22,706	9,224	44,681	25,415	36,146	41,277
Indonesia—						
Bars and sheets ..	543	580	775	2,371	921	1,716
Aluminium sulphates ..	2,390	3,460	2,663	9,947	5,089	2,454
Iran (b)—						
Ingots, sheets, scrap, etc.	223	365	745	(a)	(a)	(a)
Aluminium sulphates ..	34	6	119	(a)	(a)	(a)
Iraq—						
Bars, sheets, wire, etc. . .	467	641	941	1,408	1,201	(a)
Aluminium sulphates ..	1,066	633	1,026	1,477	3,882	(a)
Israel—						
Ingots, bars, sheets, etc.	1,917	589	904	1,786	2,320	1,338
Foil	76	94	137	127	180	218
Japan—						
Bauxite	112,864	243,450	289,516	337,890	397,528	484,951
Cryolite	768	1,598	901	21	1,162	1,703
Ingots, blocks, etc. ..	—	727	1,354	2	2,484	8,994
Scrap	246	3,965	3,285	810	3,938	6,967
Lebanon—						
Ingots, etc.	229	364	474	851	629	359
Philippine Republic—						
Foil	315	280	470	(a)	495	338
Aluminium sulphates ..	889	1,118	3,148	763	2,468	4,142
Syria—						
Ingots, etc.	146	177	305	183	92	(a)
Aluminium sulphates ..	(a)	43	107	(a)	71	(a)
Thailand (d)—						
Ingots	(a)	261	372	318	268	277
Bars, sheets, tubes and wire (c)	(a)	2,048	1,248	1,328	1,386	1,758
Foil				228	233	274
Aluminium sulphates ..	(a)	(a)	(a)	1,058	1,489	1,705
Turkey—						
Bars, sheets and wire (c)	601	2,665	1,724	1,148	381	178
Aluminium sulphates ..	1,958	1,898	2,117	2,609	2,850	1,899

(a) Information not available.

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

(c) Including alloys.

(d) Total imports.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Southern Rhodesia ..	131	30	67	211	65	79
Union of South Africa ..	7,097	2,687	8,522	13,964	14,004	9,838
Canada (b)	—	—	—	—	—	—
Australia (c)	239	213	117	307	287	357
New Zealand	(e) 6	(e) 12	—	—	—	—
FOREIGN COUNTRIES						
Austria	383	485	383	440	437	508
Czechoslovakia (f) ..	1,600	1,600	1,600	1,600	1,600	1,600
France	544	310	—	92	230	—
Greece (e)	330	600	500	(a)	(a)	(a)
Italy	618	415	283	359	280	116
Portugal	139	1	9	—	—	10
Spain	272	232	106	205	230	205
Yugoslavia	2,202	(e) 1,810	(g) 1,527	(g) 1,580	(g) 1,578	(g) 1,741
Algeria	1,299	1,783	2,260	969	2,116	1,381
Morocco (Southern) ..	827	57	383	312	—	} 385
Morocco (Northern) ..	407	292	285	344	280	
Mexico	5,444	4,219	4,116	3,757	4,484	5,120
United States (d) ..	1,929	332	684	565	527	633
Argentina	(a)	(a)	(a)	6	2	(f) 2
Bolivia (exports) ..	9,651	5,693	5,136	5,274	5,031	6,273
Peru (h)	2,116	948	832	857	954	899
Burma	90	116	—	3	2	18
China (f)	8,000	(i) 10,000	(i) 11,000	(i) 12,000	(i) 12,000	14,700
Japan	206	316	261	319	553	422
Thailand	69	45	69	24	37	2
Turkey	1,138	849	878	1,099	(e) 3,500	(a)
TOTAL*	45,200	33,000	39,000	44,000	48,000	48,000

*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): 1952—1,041; 1953—664; 1954—581; 1955—903; 1956—956; 1957—630.

(c) In addition the antimony content of antimonial slag obtained as a by-product of lead refining, was as follows (long tons): 1952—502; 1953—578; 1954—614; 1955—615; 1956—616; 1957—723.

(d) Secondary metal was recovered as follows (long tons): 1952—20,615; 1953—19,964; 1954—19,962; 1955—21,162; 1956—21,523; 1957—21,000.

(e) Estimated.

(f) United States Bureau of Mines' estimate.

(g) Metal.

(h) Including production from anode residues in 1952.

(i) Revised.

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

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Regulus and refined ..	1,243	1,049	1,591	1,433	1,839	1,968
Southern Rhodesia—						
Ore	89	28	536	135	237	211
Union of South Africa—						
Ore	9,381	7,786	14,588	20,236	20,377	12,381
Canada—						
Antimonial lead (Sb content)	368	167	311	703	471	301
Hong Kong (re-exports)—						
Ore	—	1	1	7	126	176
Sarawak—						
Ore	—	—	—	—	10	—
Australia (b)—						
Ore and concentrates ..	55	143	52	(a)	(a)	(a)
Regulus	(a)	(a)	10	13	1	5
FOREIGN COUNTRIES						
Austria—						
Ore	406	709	602	562	629	810
Belgium-Luxemburg						
E.U.—						
Regulus	1,068	(a)	(a)	(a)	(a)	(a)
Oxide	418	683	872	579	417	700
France—						
Ore	3	11	1	1	—	5
Crude and regulus	131	722	298	386	256	127
Oxide	4	37	14	22	(a)	(a)
Germany (Federal)—						
Ore	—	—	—	6	—	—
Regulus, scrap, etc. ..	—	2	67	113	164	154
Oxide	20	151	156	300	317	386
Greece—						
Ore	196	(a)	(a)	(a)	(a)	(a)
Italy—						
Regulus and scrap	—	—	—	—	—	133
Netherlands—						
Regulus	2	31	7	79	11	58
Portugal—						
Ore	36	—	—	38	—	20
Sweden—						
Crude	25	42	48	60	96	52
Regulus	8	—	14	7	14	3
U.S.S.R. (c)—						
Regulus	(a)	(a)	(a)	1,600	1,800	1,600
Yugoslavia—						
Regulus	1,101	1,214	1,182	1,297	1,384	1,344
Waste	1,033	(a)	(a)	(a)	(a)	(a)
Algeria—						
Ore	3,431	5,895	5,019	6,349	4,512	4,890
Morocco (Southern)—						
Ore	883	242	1,226	965	—	41
Regulus	22	—	—	—	(a)	(a)
Morocco (Northern)—						
Ore	230	497	645	592	906	803
Mexico—						
Ore	8,712	7,184	7,529	7,311	10,787	12,675
Concentrates	—	—	—	—	—	46
Regulus and refined ..	953	837	927	878	706	469

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) May include some foreign produce.

EXPORTS OF ANTIMONY, ETC. (cont.)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
United States—						
Ore	22	—	—	7	28	57
Metal and alloys	122	23	39	182	30	3
Compounds	191	106	292	169	188	189
Bolivia—						
Ore (<i>Sb content</i>)	9,651	5,693	5,136	5,273	5,026	6,249
Peru—						
Ore and metal (<i>Sb content</i>)	466	991	1,246	815	1,122	745
Japan—						
Regulus	14	17	3	3	18	9
Thailand—						
Ore	48	109	122	94	56	32
Turkey—						
Ore	400	1,011	1,919	1,168	1,875	2,834
Regulus	—	—	—	147	(a)	(a)

(a) Information not available.

IMPORTS OF ANTIMONY, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates (b)	17,541	7,495	15,029	16,150	15,018	11,327
Southern Rhodesia—						
Refined and regulus ..	13	14	(d) 30	(d) 76	(d) 105	(d) 98
Union of South Africa—						
Refined and regulus ..	64	57	159	313	213	325
Canada—						
Regulus	769	772	912	607	805	801
Oxide	77	58	125	128	117	163
Hong Kong (g) ..						
Ore	—	—	—	1	2	106
Australia (c)—						
Concentrates	912	270	656	1,355	532	530
Crude and regulus ..	5	15	19	(a)	(a)	(a)
New Zealand—						
Refined and regulus ..	58	57	82	110	84	96
Oxide	94	53	122	141	102	19
FOREIGN COUNTRIES						
Austria—						
Regulus	97	137	99	86	145	103
Belgium-Luxemburg						
E.U.—						
Regulus	13	12	18	41	144	107
Oxide	34	56	70	72	74	80
Denmark—						
Regulus	120	32	131	252	307	274
France—						
Ore	4,482	3,502	7,858	6,348	6,645	5,053
Crude and regulus ..	300	2	15	—	513	111
Oxide and sulphide ..	16	13	33	18	(f) 4	(f) 2
Germany (Federal)—						
Ore	(e) 261	991	1,799	2,020	1,125	1,419
Regulus, scrap, etc. ..	260	1,054	1,246	2,104	2,230	2,407
Oxide	97	68	136	99	106	124
Italy—						
Ore	2	6	37	—	—	102
Regulus and scrap ..	77	252	348	322	288	173
Oxide	151	308	269	349	245	191
Sulphide	10	10	12	13	12	14
Netherlands—						
Regulus	102	354	438	354	403	218
Oxide	167	351	475	530	519	503
Norway—						
Regulus	29	100	76	131	157	86
Portugal—						
Crude and alloys	31	27	28	31	43	47
Oxide	5	4	4	3	2	4
Sulphide	—	—	1	1	3	1
Spain—						
Sulphide	—	3	2	—	5	—
Sweden—						
Crude	15	91	92	108	223	113
Regulus	147	209	251	298	338	119
Switzerland—						
Regulus	108	152	143	226	199	145

(a) Information not available.

(b) Including crude.

(c) Years ended June 30 of that stated.

(d) Federation of Rhodesia and Nyasaland.

(e) April to December only.

(f) Sulphide only.

(g) Total imports.

IMPORTS OF ANTIMONY, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
U.S.S.R. (c)—						
Regulus	(a)	(a)	(a)	6,900	6,900	100
Algeria—						
Regulus	23	20	8	19	13	13
Morocco (Southern)—						
Regulus	10	16	31	21	21	16
Mexico (c)—						
Oxide and sulphide ..	1	11	6	20	(b) 15	(b) 23
United States—						
Ore (<i>Sb content</i>) ..	7,094	6,944	4,216	6,709	5,867	7,320
Crude	30	15	29	41	41	34
Regulus	2,995	2,332	2,502	3,274	3,858	4,832
Oxide	1,577	1,157	1,318	1,973	1,321	1,691
Argentina—						
Ore	59	241	582	561	530	669
Regulus and crude ..	871	—	—	—	—	—
Brazil (c)—						
Regulus	107	133	528	355	265	—
Oxide	52	33	51	22	42	46
Sulphide	128	23	165	127	187	—
Chile—						
Regulus	12	30	21	82	(a)	(a)
Peru—						
Sulphides	2	1	2	4	—	1
Uruguay—						
Regulus	17	3	(a)	(a)	(a)	(a)
Oxide	4	—	(a)	(a)	(a)	(a)
Venezuela (c)—						
Regulus	(a)	20	13	(a)	28	7
Indonesia—						
Regulus	52	32	25	205	57	84
Israel—						
Regulus	—	7	30	29	31	56
Japan—						
Ore and concentrates ..	452	2,642	2,331	1,849	3,855	3,064
Regulus	10	6	15	2	3	1
Philippine Republic—						
Regulus	5	5	22	(a)	(a)	(a)

(a) Information not available.

(b) Oxide only.

(c) Total imports.

ARSENIC
PRODUCTION OF ARSENIC
(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Southern Rhodesia—						
White arsenic	507	371	409	454	968	788
Canada—						
White arsenic (b)	763	627	527	702	799	1,511
Australia—						
White arsenic (c)	120	—	—	—	—	—
FOREIGN COUNTRIES						
Belgium (exports)—						
White arsenic	987	1,699	1,767	2,036	2,728	2,035
Finland—						
Concentrates (<i>As content</i>)	138	156	—	—	—	—
France—						
White arsenic	6,546	5,699	725	5,687	5,892	5,000
Germany (exports)—						
White arsenic, etc.	109	603	214	567	298	193
Greece—						
White arsenic	87	—	—	—	40	(a)
Italy—						
Mispickel (<i>As content</i>)	1,190	760	438	761	484	743
White arsenic	2,110	1,146	1,199	1,193	1,047	970
Portugal—						
Arsenic oxide (d)	1,343	1,145	1,457	1,680	1,339	1,336
Spain—						
Arsenic oxide (e)	508	729	398	100	260	230
Sweden—						
White arsenic	14,207	—	8,548	11,387	9,975	9,940
Mexico—						
Ores (<i>As₂O₃ content</i>)	2,820	1,967	2,388	2,907	2,601	4,531
United States—						
White arsenic	13,994	9,708	11,756	9,625	10,894	9,369
Brazil—						
White arsenic	948	467	1,137	962	732	(a)
Peru—						
White arsenic	15	—	93	—	25	—
Japan—						
White arsenic	1,380	1,408	1,414	1,706	1,637	(c) 1,600

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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
White arsenic and other compounds of arsenic	4,746	1,120	1,491	3,372	4,388	3,727
Canada—						
White arsenic, etc. (c)	1,594	418	635	420	521	1,442
Australia (b)—						
White arsenic	4	—	—	—	—	—
Other compounds	122	76	59	(a)	(a)	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Sulphide	94	76	73	117	120	72
White arsenic	987	1,699	1,767	2,036	2,728	2,035
Arsenates	1,110	84	115	104	279	146
France—						
White arsenic	2,564	1,576	3,005	5,898	4,417	4,210
Arsenate of lead	20	4	3	3	143	162
Other arsenates	236	125	380	145		
Germany (Federal)—						
White arsenic, etc.	109	603	214	567	298	193
Arsenates (d)	1,050	995	800	619	794	346
Italy—						
White arsenic	20	108	422	111	27	5
Netherlands—						
Arsenates	55	132	68	218	41	65
Portugal—						
Ore	225	—	—	—	—	—
White arsenic	1,200	1,140	1,077	1,684	1,482	1,173
Sweden—						
White arsenic	10,721	3,959	7,997	8,367	7,322	8,683
Mexico—						
White arsenic, pure	3,490	3,907	3,318	4,898	5,221	3,056
do. crude	262	113	164	1,447	380	1,856
United States—						
Arsenate of lead	114	135	317	482	1,144	543
Arsenate of lime	2,503	1,737	882	842	280	1,241
Peru—						
White arsenic	15	—	—	—	—	—
Turkey—						
Ore	2	2	5	2	(a)	(a)

(a) Information not available.

(c) Including arsenic contained in gold ores exported.

(b) Years ended June 30 of that stated.

(d) April to December only.

IMPORTS OF ARSENIC, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
White arsenic	8,308	1,450	4,869	6,082	5,550	3,293
Canada—						
Sulphide and white arsenic	9	14	—	—	7	1
Arsenate of lead	33	20	44	58	60	33
Arsenate of lime	60	106	73	252	5	36
India—						
Arsenic and its oxides ..	83	295	247	468	437	483
Pakistan—						
Arsenic and its oxides	(b) 18	(b) 16	(b) 76	(b) 14	1	5
Australia (c)—						
White arsenic	3,143	1,588	2,245	3,167	3,273	1,778
Arsenate of lead	2	6	17	9	8	4
Other compounds	162	11	27	11	10	—
New Zealand—						
White arsenic, etc.	176	81	177	211	137	128
Arsenate of lead	193	88	29	41	41	25
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
White arsenic	2	39	86	52	99	252
Denmark—						
Arsenate of lead	34	14	28	8	1	1
France—						
Sulphide	1	5	12	5	—	—
Metallic arsenic	13	8	13	21	24	20
White arsenic	—	10	77	72	48	12
Arsenate of lead	—	8	4	—	(a)	(a)
Germany (Federal)—						
White arsenic	2,044	1,734	1,697	2,510	2,183	1,830
Sulphide	16	32	29	21	25	15
Italy—						
White arsenic	375	304	625	357	516	253
Metallic arsenic	12	6	—	3	1	—
Netherlands—						
White arsenic	291	438	486	366	435	668
Arsenates	789	126	56	56	31	55
Portugal—						
Metallic arsenic	1	—	1	1	—	1
White arsenic	—	1	2	7	13	4
Arsenate of soda	1	—	—	—	—	—
Algeria—						
White arsenic	17	16	14	15	13	10
Sulphide	1	4	8	—	—	—
Arsenates	29	9	15	32	44	30
Belgian Congo—						
White arsenic	(a)	5	25	1	—	2
Arsenates and arsenites	(a)	15	5	42	70	154
Madagascar—						
Arsenates	15	9	7	7	5	8
Tunis—						
Arsenates	(a)	4	—	1	—	1

(a) Information not available.

(c) Years ended June 30 of that stated.

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

IMPORTS OF ARSENIC, ETC. (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
United States—						
Metallic arsenic	27	63	52	102	40	61
White arsenic	4,003	4,212	4,328	6,448	5,734	9,049
Sulphide	—	9	—	42	38	19
Arsenates of lime and soda	115	(b) 35	96	(b) 77	129	(b) 146
Argentina—						
Sulphide	—	2	6	—	—	—
White arsenic	1,748	1,097	962	813	514	1,422
Brazil (<i>c</i>)—						
White arsenic	912	1,019	950	1,971	969	778
Chile—						
White arsenic	50	37	20	76	(a)	(a)
Arsenates	138	36	108	104	(a)	(a)
Colombia—						
White arsenic	48	3	4	34	16	39
Uruguay—						
White arsenic	148	225	(a)	(a)	(a)	(a)
Arsenate of lead	54	109	(a)	(a)	(a)	(a)
Japan—						
Sulphide	6	27	37	30	16	19
Turkey—						
Arsenic compounds ..	29	10	31	11	21	27

(a) Information not available.

(b) Arsenate of soda only.

(c) Total imports.

ASBESTOS
PRODUCTION OF ASBESTOS
(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Bechuanaland						
Protectorate	398	455	902	1,274	1,210	1,412
Kenya (anthophyllite) ..	348	149	200	136	152	97
Nyasaland	—	—	—	5	—	—
Southern Rhodesia	75,745	78,338	71,395	93,983	106,226	117,968
Swaziland	31,044	26,878	26,913	29,119	26,674	27,433
Uganda	—	—	6	2	2	—
Union of South Africa—						
Amosite	56,500	34,159	41,002	(c) 44,930	44,729	50,712
Blue	39,942	33,667	39,059	43,609	55,435	66,832
Chrysotile	22,295	16,821	17,297	18,335	21,729	22,898
Anthophyllite	762	11	98	165	—	—
Tremolite	—	—	—	—	—	159
Canada (b)—						
Chrysotile	829,767	813,595	825,103	949,822	905,579	934,005
<i>Crude</i>	662	697	647	646	640	555
<i>Fibre</i>	313,968	291,375	291,654	352,764	350,878	360,729
<i>Shorts and waste</i>	515,137	521,523	532,802	596,412	554,061	572,721
Cyprus	16,294	14,179	13,669	13,666	13,728	13,418
India	865	718	389	1,397	1,230	1,706
Australia—						
Chrysotile	1,119	1,175	919	865	1,384	1,994
Crocidolite	2,940	3,795	3,794	4,487	7,286	11,104
New Zealand	682	—	—	154	329	206
Total	1,078,700	1,024,000	1,041,000	1,202,000	1,186,000	1,250,000
FOREIGN COUNTRIES						
Finland	10,266	8,613	7,011	8,002	8,378	9,803
France	7,445	9,243	10,500	12,000	12,000	(a)
Greece	25	1	2	3	—	(a)
Italy	24,517	20,929	23,039	31,247	32,222	33,745
Portugal	165	93	27	50	31	57
Spain	30	—	158	—	—	—
Yugoslavia	2,466	3,689	3,212	3,844	3,718	5,471
Egypt	59	—	—	—	—	—
Madagascar	3	7	—	—	—	—
Morocco (Southern)	567	535	533	563	339	118
Mozambique	—	—	175	269	180	67
United States	48,114	(c) 48,621	(c) 42,519	(c) 39,793	36,886	38,976
Argentina	(a)	(a)	(a)	180	44	200
Bolivia (exports)	457	723	30	—	55	59
Brazil	1,284	1,212	2,515	2,789	3,338	(d) 3,000
Chile	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela	387	39	663	1,569	5,197	7,490
Formosa	24	—	146	361	105	239
Japan—						
Chrysotile	2,994	4,014	6,124	6,190	8,601	} 11,902
Amphibole	15	—	51	—	251	
Turkey	—	—	44	231	566	—
Total*	98,000	98,000	97,000	107,000	112,000	123,000
WORLD'S TOTAL* ..	1,177,000	1,122,000	1,138,000	1,309,000	1,298,000	1,373,000

*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) Revised. (d) Estimated.

EXPORTS OF ASBESTOS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Unmanufactured—						
Crude and fibre ..	3,159	3,229	3,891	3,785	} 6,442	5,959
Waste, incl. asbestic	1,184	866	919	968		
Packing, etc. ..	12,176	9,718	12,103	14,162	13,532	13,760
Cement products ..	133,878	130,039	109,809	127,050	131,053	105,947
Yarn and cloth ..	2,311	2,539	2,676	2,889	2,921	2,833
Other manufactures ..	11,718	7,315	9,625	12,499	13,780	13,044
Kenya—						
Crude	(a)	(a)	54	42	42	5
Southern Rhodesia—						
Unmanufactured ..	74,228	63,954	(b) 72,475	(b) 82,569	(b) 96,287	(b) 95,953
Cement sheets ..	(£216,646)	(£220,286)	(b)(£63,710)	(b)(£56,533)	(b)(£3,185)	(b)(£828)
Other manufactures ..	(£47,371)	(£35,448)	(b)(£12,715)	(b)(£5,464)	(b)(£11,256)	(b)(£1,161)
Union of South Africa—						
Unmanufactured (d) ..	122,448	90,473	113,773	122,184	130,987	148,660
Sheets .. (£ S.A.)	(£155,023)	(£118,952)	(£104,835)	(£100,733)	(£31,279)	(£32,055)
Other manufactures						
(£ S.A.)	(£315,024)	(£416,980)	(£253,321)	(£306,624)	(£250,965)	(£87,704)
Canada—						
Crude	618	570	572	523	500	570
Fibre	303,409	282,668	279,325	326,768	336,646	351,171
Shorts and waste ..	501,382	501,164	512,717	567,197	523,497	568,403
Manufactured ..	(£463,419)	(£211,278)	(£477,060)	(£1,055,370)	(£1,361,174)	(£714,962)
Cyprus—						
Unmanufactured ..	18,187	9,200	18,163	12,843	12,504	11,886
India—						
Crude	40	59	70	546	116	71
Manufactured (by sea) ..	(£5,475)	(£27,974)	(£67,922)	(£59,268)	(£51,367)	} 558
do. (by land) ..	—	—	569	2,001	326	
Malaya (incl. re-exports)—						
Sheets	(a)	(a)	(a)	(a)	(a)	7,205
Pipes	(a)	(a)	(a)	(a)	(a)	2,213
Other manufactures ..	112	17	36	22	32	30
Hong Kong (re-exports)—						
Unmanufactured ..	44	—	—	—	1	5
Manufactured	(£208,317)	(£34,497)	(£44,543)	(£33,840)	(£33,506)	(£37,879)
Australia (c)—						
Crude and fibre ..	868	1,631	2,298	3,287	6,859	11,644
Packing	(£9,853)	(£12,158)	(£17,042)	(£8,266)	(£8,127)	(£31,498)
New Zealand—						
Cement products						
(£N.Z.)	(£6,208)	(£7,309)	(£3,383)	(£3,113)	(£3,913)	(£5,604)
FOREIGN COUNTRIES						
Austria—						
Unmanufactured ..	5	—	5	6	—	—
Manufactured	123	73	146	116	88	137
Cement tiles	5	2,215	1,287	1,627	8,240	7,360

(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.

EXPORTS OF ASBESTOS (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Belgium-Luxemburg						
E.U.—						
Unmanufactured ..	1,016	213	140	300	112	252
Spun and woven ..	279	291	296	375	344	297
Paper and board ..	344	402	576	625	509	409
Cement sheets and tiles	72,848	95,504	92,856	115,742	149,389	122,594
Other manufactures ..	30	81	18	25	39	70
Denmark—						
Unmanufactured ..	31	15	50	55	128	154
Cement sheets ..	1,304	689	987	3,479	1,425	4,963
Finland—						
Unmanufactured ..	2,451	2,968	3,878	4,467	4,923	6,992
Manufactured ..	556	432	862	735	442	391
France—						
Unmanufactured ..	2,802	3,013	4,926	2,592	1,917	3,630
Spun and woven ..	118	137	195	156	236	203
Paper and board ..	279	193	328	224	198	150
Germany (Federal)—						
Unmanufactured ..	51	163	440	172	224	271
Manufactured ..	858	1,708	2,022	1,827	2,100	2,112
Italy—						
Unmanufactured ..	1,552	2,369	2,289	4,563	5,974	4,726
Manufactured ..	29	2	145	120	63	121
Cement products ..	33,051	16,809	11,468	15,271	32,378	34,345
Netherlands—						
Unmanufactured ..	29	5	22	49	66	25
Cement sheets, tiles, etc.	4,568	6,985	3,100	3,680	6,079	4,189
Other manufactures ..	118	245	542	733	1,032	1,095
Portugal—						
Unmanufactured ..	71	23	30	16	6	31
Spain—						
Unmanufactured ..	8	—	—	—	—	—
Manufactured ..	687	65	59	92	115	101
Sweden—						
Unmanufactured ..	14	4	1	1	4	1
Manufactured ..	12	11	29	34	17	55
Switzerland (including mica)—						
Unmanufactured ..	106	1	6	26	13	9
Manufactured ..	278	236	437	690	854	915
U.S.S.R.—						
Unmanufactured ..	(a)	(a)	(a)	66,000	88,100	101,800
Yugoslavia—						
Unmanufactured ..	40	99	107	1,975	3,679	4,536
Egypt—						
Unmanufactured ..	6	50	(a)	109	60	(a)
Madagascar—						
Unmanufactured ..	—	5	—	—	—	—
Morocco (Southern)—						
Unmanufactured ..	20	81	34	5	18	49
Mozambique—						
Unmanufactured ..	—	2	91	268	58	369
United States—						
Unmanufactured ..	9,166	2,482	1,649	1,929	2,498	2,477
Spun, woven and packing ..	1,119	899	1,238	1,080	1,076	1,293
Brake linings ..	(£1,821,697)	(£1,519,123)	(£1,644,276)	(£1,790,435)	(£1,921,625)	(£1,834,241)
Clutch facings ..	(£519,934)	(£320,543)	(£312,972)	(£332,472)	(£325,293)	(£374,277)
Pipe covering and cement ..	2,075	1,929	1,869	2,714	2,020	3,145
Other manufactures ..	14,904	13,222	13,443	14,638	17,033	15,615

(a) Information not available.

EXPORTS OF ASBESTOS (*cont.*)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
Bolivia—						
Unmanufactured ..	457	723	30	—	56	109
Colombia—						
Cement products ..	10	689	1,562	2,591	1,664	882
Peru—						
Manufactured ..	143	69	1	—	71	12
Venezuela—						
Unmanufactured ..	40	68	301	799	4,224	5,995
Japan—						
Unmanufactured ..	57	89	19	23	24	30
Manufactured	427	778	1,490	2,506	1,607	1,603
Lebanon—						
Cement sheets and pipes	(a)	(a)	(a)	1,590	2,963	3,484
Other cement manu- factures	(a)	(a)	(a)	294	37	270
Turkey—						
Unmanufactured ..	1	2	—	104	—	5

(a) Information not available.

IMPORTS OF ASBESTOS

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Unmanufactured—						
Crude and fibre ..	125,260	98,958	110,040	121,886	124,505	112,341
Waste, including asbestic ..	6,331	10,380	13,802	22,490	21,635	24,638
Cement products ..	2,480	3,671	5,795	8,405	8,350	8,540
Other manufactures ..	228	507	94	141	234	864
Channel Islands—						
Manufactured ..	700	582	892	999	1,292	798
Malta—						
Manufactured ..	(£1,366)	(£4,919)	(£5,202)	(£4,695)	(£3,506)	(£4,941)
Ghana—						
Cement sheets, pipes etc.	(a)	(a)	18,360	21,347	18,888	14,240
Kenya—						
Manufactured ..	3,434	2,953	2,228	4,400	5,418	5,103
Mauritius—						
Sheet and millboard ..	483	165	66	56	264	326
Other manufactures ..	488	158	36	(£59,418)	600	305
Nigeria—						
Cement sheets, pipes etc.	(a)	(a)	10,762	23,332	18,702	20,373
Northern Rhodesia—						
Cement sheets, pipes, etc.	(£401,250)	(£397,595)	(c)	(c)	(c)	(c)
Nyasaland—						
Cement sheets, etc. ..	1,289	657	(c)	(c)	(c)	(c)
Seychelles—						
Cement sheets ..	557	25	(a)	(a)	(a)	(a)
Sierra Leone—						
Cement sheets and pipes	(a)	(a)	1,159	879	728	1,507
Southern Rhodesia—						
Cement sheets, etc. ..	(e) (£95,051)	(e) (£55,096)	b (£105,141)	(b) (£99,462)	(b) (£87,864)	(b) (£56,803)
Cement pipes ..	(e) 5,543	(e) 4,881	(b) 4,571	(b) 5,816	(b) 6,713	(b) 2,159
South West Africa—						
Packing (£S.A.) ..	(£3,169)	(£6,442)	(£6,178)	(f)	(f)	(f)
Cement products (£S.A.) ..	(£39,340)	(£28,577)	(£15,123)	(f)	(f)	(f)
Other manufactures (£S.A.) ..	(£29,199)	(£73,997)	(£32,043)	(f)	(f)	(f)
Tanganyika—						
Manufactured ..	3,805	2,077	391	1,610	2,600	1,526
Uganda—						
Unmanufactured ..	(a)	(a)	—	195	457	187
Manufactured ..	1,375	2,109	651	3,240	3,902	1,296
Union of South Africa—						
Packing (£S.A.) ..	(£212,574)	(£233,402)	(£219,962)	(£264,499)	(£266,691)	(a)
Cement products (£S.A.) ..	(£17,615)	(£16,959)	(£7,360)	(d) (£10,455)	(d) (£13,133)	(a)
Other manufactures (£S.A.) ..	(£13,426)	(£31,852)	(£5,689)	(d) (£20,055)	(d) (£59,007)	(d) (£42,360)
Zanzibar—						
Manufactured ..	239	331	225	246	404	397
Canada—						
Packing ..	137	131	122	117	180	165
Other manufactures ..	(£1,131,518)	(£1,036,599)	(£1,180,653)	(£1,371,384)	(£1,827,761)	(£1,799,192)
British West Indies—						
Barbados—						
Cement sheets ..	(£15,177)	(£7,132)	(£13,065)	(£29,149)	(£29,508)	143

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) See under Southern Rhodesia.

(d) Including South West Africa.

(e) Total imports.

(f) Included with Union of South Africa.

IMPORTS OF ASBESTOS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies (cont.)						
Bermuda—						
Sheets, etc.	(£6,455)	(£26,092)	(£6,720)	(£11,643)	(£7,818)	(£9,550)
Grenada—						
Manufactured	(£1,387)	(£1,102)	£ 15 2)	(£1,835)	(£584)	(a)
Jamaica—						
Unmanufactured	(£1,087)	(£774)	11	49	24	45
Manufactured	(£94,623)	(£75,464)	1,703	1,028	1,330	1,747
St. Vincent—						
Sheets	(£946)	6	23	2	4	(a)
Trinidad and Tobago—						
Cement products	1,196	785	1,636	1,206	523	1,103
Other manufactures	456	99	349	251	370	442
British Guiana—						
Cement sheets, etc.	426	(£5,174)	157	358	785	872
Other manufactures	237	(£22,447)	269	969	1,102	187
Aden—						
Manufactured	—	—	—	606	1,514	1,601
Ceylon—						
Unmanufactured	(a)	(a)	(a)	—	214	418
Cement sheets, etc.	(a)	12,994	9,276	11,123	16,424	11,745
Other manufactures	(a)	76	318	52	46	34
Cyprus—						
Cement products	1,159	3,073	3,643	872	1,790	2,962
Other manufactures	(£1,854)	(£2,747)	(£6,389)	(£8,971)	(£6,670)	(£6,481)
Hong Kong (e)—						
Unmanufactured	25	—	—	5	1	51
Manufactures	(£244,699)	(£133,014)	(£25,670)	(£34,450)	(£59,335)	(£121,179)
India—						
Unmanufactured	11,148	2,849	8,263	12,771	15,391	16,032
Cement products	914	178	1,122	2,474	7,049	8,034
Packing	(£73,062)	(£111,620)	(£108,224)	(£162,046)	(£97,325)	393
Other manufactures	(£220,634)	(£259,657)	(£279,242)	(£253,366)	(£431,442)	1,560
Malaya (e)—						
Unmanufactured	(a)	1,077	2,719	1,885	2,321	2,763
Sheets	(a)	(a)	(a)	(a)	(a)	18,099
Pipes	(a)	(a)	(a)	(a)	(a)	795
Other manufactures	5,810	250	265	391	424	431
North Borneo—						
Cement products	1,213	598	929	1,222	1,513	3,153
Other manufactures	(a)	(a)	(a)	117	6	4
Pakistan—						
Cement sheets	(b) 6,265	(b) 3,714	(b) 4,844	(b) 3,854	2,320	1,434
Sarawak—						
Cement sheets	420	485	180	609	1,674	947
Other manufactures	60	41	16	8	—	14
Australia (c)—						
Crude	24,686	28,784	26,406	42,677	32,219	23,235
Packing, etc.	(£272,546)	(£191,586)	(£345,493)	(£404,482)	(£347,342)	(£388,630)
New Zealand—						
Unmanufactured	4,749	1,842	3,460	4,053	2,727	1,281
Cement sheets (d)	649,534	44,707	33,437	69,474	31,849	34,192
Other manufactures (£ N.Z.)	(£161,268)	(£123,886)	(£155,224)	(£191,727)	(£355,695)	(£521,886)
Irish Republic—						
Unmanufactured	2,931	1,887	2,301	1,564	2,607	1,424
Manufactured	6,272	3,943	2,615	5,221	2,899	1,700

(a) Information not available.

(c) Years ended June 30 of that stated.

(b) Years ended March 31 following that stated.

(d) Square yards.

(e) Total imports.

IMPORTS OF ASBESTOS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
Austria—						
Unmanufactured ..	6,311	5,410	6,653	12,281	7,783	10,248
Manufactured ..	115	86	163	231	213	552
Belgium-Luxemburg						
E.U.—						
Unmanufactured ..	32,272	29,504	30,173	40,576	43,607	38,800
Spun and woven ..	513	153	196	204	257	239
Paper and board ..	367	518	616	548	598	642
Cement sheets and tiles	151	530	375	1,834	3,716	808
Other manufactures ..	664	557	951	1,008	1,275	1,366
Denmark—						
Unmanufactured ..	11,853	10,041	9,933	9,421	12,837	16,501
Spun and woven ..	171	136	131	156	354	251
Paper and board ..	314	331	511	529	564	564
Packing, etc. ..	27	109	195	193	197	149
Cement sheets ..	48	218	178	250	193	254
Finland—						
Unmanufactured ..	1,245	878	1,261	1,386	1,948	2,536
Manufactured ..	333	195	532	553	358	300
France—						
Unmanufactured ..	55,149	32,341	37,746	50,551	55,260	66,497
Spun and woven ..	7	20	20	19	113	109
Paper and board ..	142	134	151	248	217	64
Germany (Federal)—						
Unmanufactured ..	36,574	28,260	37,671	63,327	74,749	91,862
Manufactured ..	445	427	485	635	951	1,498
Greece ..	410	11	158	(a)	287	145
Iceland—						
Unmanufactured ..	42	42	8	51	56	59
Manufactured ..	20	66	32	35	43	28
Italy—						
Unmanufactured ..	9,436	10,214	11,609	13,610	20,318	28,316
Manufactured ..	519	653	577	856	1,019	1,175
Cement products ..	115	93	187	51	301	309
Netherlands—						
Unmanufactured ..	8,737	10,077	8,818	11,278	15,694	20,783
Cement sheets, tiles, etc.	19,981	32,546	40,335	49,051	69,287	53,139
Other manufactures ..	1,675	2,094	2,558	2,803	2,524	2,578
Norway—						
Unmanufactured ..	3,202	2,376	3,170	3,819	3,672	4,672
Cement sheets, tiles, etc.	1,120	70	1,761	2,542	2,686	7,815
Other manufactures ..		900	1,016	1,091	1,327	950
Portugal—						
Unmanufactured ..	2,210	1,516	1,898	2,960	2,910	3,275
Manufactured ..	98	49	64	63	56	136
Spain—						
Unmanufactured ..	8,693	5,745	7,511	4,705	12,090	17,562
Manufactured ..	192	179	83	179	549	516
Sweden—						
Unmanufactured ..	11,076	10,645	14,180	12,728	11,390	14,484
Manufactured ..	1,494	1,443	1,859	2,107	2,169	2,102
Switzerland (including mica)—						
Unmanufactured ..	5,057	4,323	5,003	5,486	8,169	10,075
Manufactured ..	1,722	1,830	2,579	3,234	4,295	5,045
Yugoslavia—						
Unmanufactured ..	1,886	1,929	2,136	3,132	1,344	3,819
Manufactured ..	276	276	236	336	272	543
Algeria—						
Unmanufactured ..	2,932	1,755	2,776	3,986	3,026	4,396
Manufactured ..	40	32	38	60	93	51

(a) Information not available.

IMPORTS OF ASBESTOS (*cont.*)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Angola—						
Unmanufactured ..	264	587	664	608	872	1,242
Manufactured ..	12	12	44	9	10	14
Belgian Congo—						
Unmanufactured ..	2,939	2,513	1,950	2,128	1,196	2,855
Egypt—						
Unmanufactured ..	1,740	1,563	1,754	2,515	(a)	(a)
Paper and board ..	102	35	135	152	(a)	(a)
Other manufactures ..	328	115	212	299	(a)	(a)
Morocco (Southern)—						
Unmanufactured ..	1,986	635	810	1,062	973	1,056
Manufactured ..	75	125	127	86	92	32
Mozambique—						
Unmanufactured ..	1,183	527	468	715	1,282	805
Manufactured ..	11	11	11	14	21	28
Sudan—						
Sheets, pipes, etc. ..	2,729	12,593	8,740	2,022	4,626	4,091
Costa Rica (b)—						
Manufactured ..	(a)	586	453	224	52	38
Guatemala (b)—						
Unmanufactured ..	149	216	244	284	289	449
Manufactured ..	(a)	315	283	67	204	105
Mexico (b)—						
Unmanufactured ..	5,358	4,883	4,595	7,334	10,387	9,293
Manufactured ..	1,064	833	869	905	624	1,263
Netherlands						
West Indies—						
Manufactured ..	863	260	709	372	939	827
Cement sheets ..	3,759	2,691	2,607	2,070	2,828	2,541
Nicaragua (b)—						
Manufactured ..	373	317	697	209	116	111
Panama Republic (b)—						
Manufactured ..	116	325	911	1,010	990	1,741
Salvador—						
Unmanufactured ..	(a)	346	620	361	284	294
Manufactured ..	(a)	74	58	79	74	81
United States—						
Unmanufactured—						
Crude ..	34,487	35,001	33,447	36,293	48,539	49,518
Mill fibre ..	189,860	152,404	133,002	150,136	139,887	122,617
Other ..	409,062	430,671	439,256	474,663	426,783	437,447
Manufactured ..	452	445	4,064	16,307	26,831	19,859
Argentina—						
Spun and woven ..	96	576	963	725	414	492
Paper and board ..	4,340	9,569	2,931	11,026	5,163	8,945
Brazil (b)—						
Unmanufactured ..	10,919	7,996	13,179	7,493	10,526	10,394
Manufactured ..	2,360	495	1,370	1,050	946	706
Chile—						
Unmanufactured ..	1	—	—	—	(a)	(a)
Manufactured ..	3,554	4,639	3,219	4,243	4,372	(a)
Colombia—						
Unmanufactured ..	6,509	6,605	4,807	8,668	6,097	6,553
Manufactured ..	344	245	458	504	955	681
Dutch Guiana—						
Unmanufactured ..	8	4	7	7	—	—
Sheets ..	105	598	540	545	490	1,408
Ecuador—						
Unmanufactured ..	8	23	64	15	25	(a)
Manufactured ..	275	52	90	63	37	(a)

(a) Information not available.

(b) Total imports.

IMPORTS OF ASBESTOS (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
Peru—						
Unmanufactured ..	1,949	643	1,343	1,849	1,623	2,259
Manufactured	283	297	151	400	217	224
Uruguay	1,766	1,656	(a)	(a)	(a)	(a)
Venezuela (<i>b</i>)—						
Unmanufactured ..	1,554	1,618	2,206	2,020	1,710	2,524
Manufactured	2,647	1,284	1,175	4,744	2,621	3,796
Formosa—						
Unmanufactured ..	437	107	558	427	501	906
Manufactured	222	456	409	531	370	524
Indonesia—						
Unmanufactured ..	62	129	69	163	68	179
Cement sheets, etc. ..	9,819	26,501	3,813	3,792	28,386	4,757
Other manufactures ..	672	289	216	385	498	460
Iraq—						
Unmanufactured ..	7	18	38	56	485	(a)
Japan—						
Unmanufactured ..	13,142	18,606	19,961	20,078	32,861	48,712
Manufactured	236	415	510	785	913	900
Lebanon—						
Unmanufactured ..	826	470	383	216	1,009	1,636
Manufactured	39	13	48	13	23	18
Cement sheets and pipes	(a)	(a)	(a)	1,080	1,044	1,053
Other cement manu- factures	(a)	(a)	(a)	340	110	2
Philippine Republic—						
Unmanufactured ..	181	651	981	225	1,033	766
Manufactured	215	978	776	2,054	1,327	611
Syria—						
Cement sheets	382	572	938	(a)	(a)	(a)
Other manufactures ..	(a)	25	24	(a)	(a)	(a)
Thailand (<i>b</i>)—						
Manufactured	4,164	1,294	2,132	5,670	1,210	120
Turkey—						
Unmanufactured ..	44	3	15	31	492	—
Manufactured	1,982	1,317	3,564	2,180	143	55

(a) Information not available.

(b) Total imports.

BARIUM MINERALS

PRODUCTION OF BARIUM MINERALS* (Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain—						
Barytes and witherite, unground	43,276	42,914	45,709	49,452	54,121	62,389
do. ground	26,834	25,992	27,475	33,499	21,477	21,749
Canada	121,430	220,738	197,743	226,550	286,460	193,147
Southern Rhodesia	267	239	—	—	—	—
Swaziland	397	406	323	401	461	313
Union of South Africa	1,691	1,868	2,091	1,689	2,422	3,008
India	10,030	9,400	18,792	7,623	6,315	12,913
Australia	4,944	5,677	6,872	6,264	6,009	9,778
Irish Republic—						
Barytes, refined	313	—	(a)	(a)	(a)	(a)
do. unrefined	1,480	—	2,750	5,565	6,901	8,083
FOREIGN COUNTRIES						
Austria	5,079	2,768	4,813	5,806	3,048	3,488
France	41,986	39,168	46,751	62,953	54,502	63,500
Germany (Federal)	340,378	377,790	370,128	400,940	405,212	400,129
Greece	21,162	26,478	21,651	19,153	25,753	(c) 25,000
Italy	55,882	70,629	73,153	102,353	92,031	97,722
Portugal	611	310	343	319	309	762
Spain	15,617	17,613	10,482	8,779	7,594	17,291
Sweden (sales)	—	—	96	122	—	—
Yugoslavia (exports)	26,391	61,149	95,571	84,224	78,449	88,189
Algeria	9,690	16,804	13,356	30,107	29,324	(c) 30,000
Egypt	10	30	31	60	79	(a)
Morocco (Southern)	3,062	49	9,150	24,267	29,127	14,532
Tunis	25	—	—	—	—	—
Cuba (b)	—	4,379	—	—	—	33,787
Mexico (b)	11,090	56,288	50,778	105,048	210,529	383,516
United States	904,296	(d) 843,046	(d) 788,645	(d) 989,378	1,207,065	1,164,770
Argentina	(c) 13,000	(c) 14,700	(a)	20,000	21,000	(a)
Brazil	(a)	(b) 14,164	11,966	3,526	(b) 14,623	(b) 21,210
Chile	2,338	1,390	3,166	3,094	425	(c) 1,000
Colombia	4,000	7,628	9,000	6,000	7,500	6,214
Peru	8,960	15,294	11,025	8,402	50,116	119,068
Japan	14,006	17,277	18,585	18,191	18,373	23,546
Korea (South)	780	1,081	300	833	664	7
Philippine Republic	(a)	(a)	(a)	(a)	4,505	5,685
TOTAL †	1,690,000	1,900,000	1,860,000	2,230,000	2,640,000	2,830,000

*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.

(d) Revised.

EXPORTS OF BARIUM MINERALS, ETC.*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ground barytes	115	218	212	212	(a)	(a)
Barium compounds, excluding blanc fixe	2,254	2,060	3,496	3,263	3,044	3,618
Southern Rhodesia—						
Barytes	415	152	—	—	—	—
Canada—						
Unground barytes	75,929	217,000	185,586	217,920	278,820	178,379
Ground barytes	43,826					
India—						
Unground barytes	2,306	2,510	8,391	2,573	6,702	13,848
Australia (b)—						
Unground barytes	214	192	(a)	(a)	(a)	(a)
Ground barytes	1,357	838	1,667	1,617	1,016	1,140
Sulphate incl. blanc fixe	1	5	1			
Irish Republic—						
Unground barytes	5,035	1,200	2,186	9,015	9,680	9,157
FOREIGN COUNTRIES						
Austria—						
Barytes	—	—	27	3	—	15
Belgium-Luxemburg						
E.U.—						
Barytes and witherite	25	21	1,186	1,674	1,370	1,195
Barytes, ground	101	160	93	29	6	12
Sulphate	423	789	1,732	1,255	636	334
Carbonate	261	264	132	160	180	26
Chloride	100	344	161	19	40	54
France—						
Barytes	757	252	689	13,257	5,026	18,339
Witherite	38	66	49	38	90	—
Chloride	417	1,251	2,025	2,575	4,217	4,780
Precipitated carbonate	1,187	3,004	2,260	2,909	1,779	2,069
Precipitated sulphate	156	354	421	144	74	1,635
Sulphide	16	20	20	6	6	12
Germany (Federal)—						
Barytes	70,783	77,115	121,684	123,481	116,823	104,671
Witherite	15	6	8			
Carbonate	5,645	8,247	7,328	8,612	7,593	6,402
Chloride	2,256	3,537	5,398	5,092	4,598	4,133
Sulphate (c)	5,684	11,431	277	(a)	(a)	(a)
Greece—						
Barytes	4,805	29,027	18,592	19,943	35,769	47,143
Italy—						
Barytes	16,722	13,908	18,558	29,953	31,733	39,480
Witherite	110	—	20	6	15	—
Precipitated carbonate	212	300	90	54	40	70
Chloride	66	64	556	417	461	307
Precipitated sulphate	1	13	—	14	13	—
Sulphide	5	22	7	103	186	25

*For Lithopone, see "Zinc".

(a) Information not available.

(c) April to December only.

(b) Years ended June 30 of that stated.

EXPORTS OF BARIUM MINERALS, ETC. (cont.)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Netherlands—						
Barytes, ground	72	11	3	5	393	82
Sulphate	69	56	452	612	903	586
Sulphide	—	587	2,609	5,503	3,979	3,801
Sweden—						
Barytes and witherite	—	—	1	—	39	18
U.S.S.R.—						
Barytes (b)	(a)	(a)	(a)	18,000	35,900	—
Yugoslavia—						
Unground barytes	23,717	58,826	92,229	82,898	71,108	77,434
Ground barytes	2,674	2,323	3,342	1,326	7,341	10,755
Algeria—						
Barytes	8,632	9,066	11,823	15,795	19,041	21,815
Morocco (Southern)—						
Barytes	1,063	1,176	8,348	13,707	21,751	15,831
Tunis—						
Barytes	(a)	25	(a)	(a)	49	—
Cuba—						
Barytes	—	4,379	—	—	—	33,787
Mexico—						
Barytes	11,090	56,288	50,778	105,048	210,529	383,516
Brazil—						
Barytes	(a)	14,164	4,840	4,527	14,623	21,210
Peru—						
Barytes	136	3,081	11,331	19,026	48,584	118,961
Japan—						
Barytes	—	49	—	—	—	123
Chloride	—	4	3	6	2	7
Sulphate	17	16	7	9	179	166

(a) Information not available.

(b) May include some foreign produce.

IMPORTS OF BARIUM MINERALS, ETC.*

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Unground barytes ..	11,745	2,344	34,060	50,133	31,400	27,076
Ground barytes ..	11,150	16,012	21,209	21,793	18,999	18,608
Barium compounds, excluding blanc fixe ..	762	1,191	2,824	3,322	3,021	2,459
Union of South Africa—						
Barytes	616	722	742	522	848	672
Barium compounds ..	158	63	168	150	227	305
Canada—						
Barytes	1,290	1,078	1,104	1,294	1,317	1,635
Blanc fixe	189	234	279	535	400	332
British West Indies—						
Trinidad and Tobago—						
Ground barytes ..	19,914	25,293	22,769	26,621	35,622	17,849
India—						
Barytes	38	31	30	107	29	68
Pakistan—						
Barytes	(c) 3,519	(c) 875	(c) 1,739	(c) 99	3,329	5,585
Australia (b)—						
Barytes ground ..	73	12	27	231	285	102
Carbonate	290	63	88	218	273	118
Chloride	219	42	104	188	196	158
Sulphate incl. blanc fixe	966	69	143	266	518	534
Other compounds ..	83	73	87	40	70	91
New Zealand—						
Barytes	819	831	1,000	773	676	691
Barium compounds ..	68	9	51	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Barytes	3,063	4,820	6,620	7,304	7,343	5,418
Carbonate	570	230	264	340	214	190
Chloride	—	17	30	125	148	145
Belgium-Luxemburg						
E.U.—						
Barytes and witherite ..	7,236	3,519	12,284	21,269	17,470	14,133
Barytes, ground ..	5,370	5,784	6,395	6,039	5,739	7,556
Sulphate	492	672	702	1,127	1,524	1,752
Carbonate	1,515	2,382	2,963	2,716	1,904	2,079
Chloride	544	1,325	976	1,587	2,307	2,357
Sulphide	5	588	2,615	2,934	2,950	3,757
Denmark—						
Barytes	52	—	87	57	41	1,020
Witherite	49	60	131	203	226	165
Chloride	40	153	264	170	215	142
Sulphate	1,685	1,040	1,058	1,076	983	1,166
Finland—						
Barytes	153	322	682	876	420	165
Witherite	15	—	—	5	15	—
Chloride	2	10	58	9	114	145
Carbonate	38	29	98	31	66	116
Sulphate	76	67	109	216	183	210

*For Lithopone, see "Zinc".

(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.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
(cont.)						
France—						
Barytes	24,416	20,233	26,367	40,577	36,372	25,891
Witherite	494	—	150	326	615	—
Chloride	7	—	10	21	1	—
Precipitated carbonate	47	—	—	—	—	—
Precipitated sulphate	235	408	429	801	1,422	954
Germany (Federal)—						
Barytes and witherite	5	—	—	14,458	16,276	23,745
Italy—						
Barytes	21	130	113	615	71	84
Witherite	493	1,980	1,013	971	498	972
Precipitated carbonate	1,028	1,488	561	467	401	233
Chloride	201	298	23	75	101	35
Precipitated sulphate	354	552	402	580	670	716
Sulphide	29	121	205	423	247	—
Netherlands—						
Barytes and witherite	15,668	13,403	15,913	23,380	26,726	22,970
Barytes, ground	3,120	4,595	4,724	4,874	4,350	5,040
Carbonate	534	1,516	1,531	1,909	1,614	2,053
Chloride	165	290	342	240	241	451
Sulphate	1,150	1,537	2,502	2,324	1,310	1,355
Portugal—						
Barytes	—	—	106	120	101	127
Carbonate	16	—	12	—	—	—
Chloride	86	117	168	113	73	81
Sulphate	130	70	32	34	12	19
Sweden—						
Barytes and witherite	1,231	1,818	2,073	2,673	2,908	3,331
Sulphate	866	938	1,267	1,750	1,642	1,695
Carbonate and chloride	454	633	1,452	1,316	1,069	912
U.S.S.R. (b)—						
Barytes	(a)	(a)	(a)	20,500	13,500	21,000
Algeria—						
Barytes (including precipitate)	60	4	2	89	1	957
Witherite (including precipitate)	43	66	82	254	281	181
Belgian Congo—						
Barytes and witherite	(a)	32	32	10	—	33
Chloride	(a)	22	20	2	5	2
Sulphate	(a)	143	202	316	271	453
Morocco (Southern)—						
Barytes	790	642	865	670	952	926
Tunis—						
Barytes	(a)	—	(a)	375	177	914
Precipitated sulphate	(a)	199	10	—	18	98
Cuba (b)—						
Sulphate	318	284	379	279	250	(a)
Mexico (b)—						
Barytes	4,241	2,055	2,729	1,937	3,942	1,364
Carbonate	(a)	(a)	(a)	66	118	201
Chloride	(a)	(a)	(a)	(a)	18	126
United States—						
Unground barytes	96,355	298,918	283,119	321,104	520,740	743,416
Ground barytes	5,911	231	225	263	329	378
Witherite	4,620	4,400	3,942	2,110	2,620	2,704
Sulphate	29	897	703	804	916	1,292
Barium compounds	1,173	4,499	2,406	3,184	3,509	3,501

(a) Information not available.

(b) Total imports.

IMPORTS OF BARIUM MINERALS, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Sulphate	53	252	487	—	24	38
Barium compounds ..	288	359	629	165	236	378
Brazil (b)—						
Carbonate	150	66	636	69	201	592
Chloride	115	121	541	86	57	151
Sulphate	536	113	719	223	426	557
Chile—						
Barytes	14	23	8	40	(a)	(a)
Carbonate	22	36	5	36	(a)	(a)
Chloride	2	—	—	1	(a)	(a)
Sulphate	4	2	2	3	(a)	(a)
Colombia—						
Witherite	—	23	23	8	9	4
Carbonate	—	—	23	23	43	283
Chloride	5	10	5	34	1	19
Sulphate	1,138	23	485	1,031	2,004	32
Peru—						
Barytes	17	3	22	31	23	25
Carbonate (c)	27	43	43	110	56	60
Sulphate	3	2	4	1	3	5
Uruguay—						
Sulphate	89	373	(a)	(a)	(a)	(a)
Venezuela (b)—						
Barytes	21,249	43,235	41,600	(a)	45,391	75,452
Carbonate	(a)	7	—	(a)	11	133
Chloride	(a)	55	47	(a)	212	283
Sulphate	19	40	133	(a)	37	47
Japan—						
Barytes	1,481	337	2,062	2,174	4,368	6,508
Turkey—						
Barytes	27	23	3	33	41	2
Sulphate	—	—	16	—	26	16
Barium compounds ..	102	13	108	99	11	115

(a) Information not available.

(b) Total imports.

(c) Revised.

BERYL
PRODUCTION OF BERYL
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Kenya	1	—	—	—	—	5
Northern Rhodesia ..	8	9	1	19	12	5
Somaliland						
Protectorate (c) ..	—	—	—	17	16	—
Southern Rhodesia ..	1,060	1,584	962	860	541	511
South West Africa ..	529	527	504	421	405	345
Uganda	3	50	69	99	88	84
Union of South Africa ..	369	474	181	122	119	635
India (d)	175	178	340	754	3,000	1,121
Australia	87	125	149	206	318	395
FOREIGN COUNTRIES						
Portugal	92	370	329	301	218	170
Belgian Congo	—	7	44	323	1,701	94
Madagascar	391	461	579	282	151	265
Morocco (Southern) ..	127	32	15	2	—	—
Mozambique	205	215	895	857	842	1,671
United States (shipments)	460	671	597	450	411	465
Argentina	620	610	1,280	1,330	1,537	1,356
Brazil	2,836	1,899	1,411	1,745	2,073	(c) 2,212
Dutch Guiana	—	2	9	—	—	—
Afghanistan	—	—	27	29	27	(b) 27
TOTAL (b)	7,000	7,200	7,400	7,800	11,500	9,400

(a) Information not available.

(b) Estimated.

(c) Exports.

(d) Imports into the United States from India.

EXPORTS OF BERYL
(Domestic Produce)
(Long tons)

Exporting Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Somaliland Protectorate	—	—	—	17	16	—
Southern Rhodesia ..	793	1,468	(c) 1,048	(c) 815	(c) 610	(c) 457
South West Africa ..	588	528	400	355	354	278
Uganda	—	33	29	138	96	7
Union of South Africa ..	247	472	172	113	195	478
India (b)	175	178	340	754	3,000	1,121
Australia	87	125	163	210	309	397
FOREIGN COUNTRIES						
Portugal	75	331	306	277	233	156
Belgian Congo	(a)	(a)	(a)	(a)	(a)	400
Madagascar	304	110	454	131	183	385
Morocco (Southern) ..	125	44	10	18	11	—
Mozambique	(b) 275	205	879	705	860	1,330
Argentina (b)	491	1,303	—	394	2,081	1,379
Brazil	2,440	1,926	1,253	1,527	1,912	2,212

(a) Information not available.

(b) Imports into the United States from India.

(c) Federation of Rhodesia and Nyasaland.

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

Importing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (b) ..	119	129	175	232	416	850
FOREIGN COUNTRIES						
France	(a)	(a)	(a)	(a)	76	1,119
United States	5,337	7,141	5,192	5,390	11,046	6,509

*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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
South West Africa—						
Ore	—	1	45	43	5	12
Uganda—						
Ore (<i>Bi content</i>) ..	55	10	4	22	5	18
Union of South Africa—						
Ore (<i>Bi content</i>) ..	35	14	10	2	3	1
Canada—						
Metal plus content of bullion, etc. exported	1,450	1,048	2,310	2,374	2,552	2,471
Australia—						
Concentrates (<i>Bi content</i>)	28	8	12	—	(b) 6	—
FOREIGN COUNTRIES						
France—						
Mispickel (<i>Bi content</i>)	1,693	1,417	211	1,181	1,004	886
Spain—						
Ore (<i>Bi content</i>) ..	160	509	734	570	1,315	1,984
Yugoslavia—						
Bismuth metal	1,943	1,938	2,159	2,049	2,188	1,963
Belgian Congo—						
Ore (<i>Bi content</i>) ..	9	—	19	1	—	—
Mozambique—						
Ore (<i>Bi content</i>) ..	100	63	17	37	7	61
Mexico—						
Ore (<i>Bi content</i>) ..	7,993	6,600	7,106	6,911	12,420	6,968
Argentina—						
Concentrates (<i>Bi content</i>) (b) ..	5	12	90	190	122	116
Bolivia (exports)—						
Ore, etc. (<i>Bi content</i>) ..	314	1,239	906	1,009	668	809
Peru—						
Lead bars (<i>Bi content</i>)	62	—	—	3,267	2,599	} (c) 6,768
Metal	6,321	5,642	6,176	3,293	3,046	
Anode residues (<i>Bi content</i>)	2,505	—	—	—	—	(a)
Korea (South)—						
Ore (<i>Bi content</i>) ..	2,165	4,724	2,254	2,557	3,596	2,144

*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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom						
Bismuth	3,634	6,329	6,735	6,595	10,576	6,553
Bismuth salts	2,437	2,661	3,537	2,802	2,880	3,468
South West Africa—						
Ore	—	4	—	3	2	1
Uganda						
Ore (<i>Bi content</i>)	21	37	20	2	—	—
Union of South Africa—						
Bismuth	11	17	12	—	—	104
Canada—						
Metal	300	—	1,201	500	1,179	1,208
Australia (<i>b</i>)—						
Concentrates	—	128	114	(a)	(a)	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bismuth	20	217	537	380	102	16
Salts	—	—	8	—	—	35
France—						
Bismuth and alloys including scrap	1,325	986	344	496	1,183	1,277
Bismuth nitrate	87	179	291	380	(a)	(a)
Germany (Federal)—						
Bismuth	242	693	630	281	1,470	1,618
Yugoslavia—						
Bismuth	1,838	1,826	2,170	1,888	2,134	1,791
Mexico—						
Bismuth, refined	—	652	1,779	2,171	2,102	2,478
do. impure bars	7,492	6,187	7,013	4,633	11,753	4,622
United States—						
Matte, residues, etc.	262	378	430	983	106	1,011
Metal and alloys	2,186	1,134	1,231	1,818	2,563	1,414
Bolivia—						
Ore, etc. (<i>Bi content</i>)	314	1,240	906	1,009	668	809
Chile—						
Salts	10	10	—	5	(a)	(a)
Peru—						
Bars, etc. (<i>Bi content</i>)	6,122	5,327	6,890	6,186	5,945	6,768
Japan—						
Bismuth	48	—	98	—	174	14
Korea (South)—						
Bismuth, unwrought	366	2,809	2,244	2,047	3,169	2,618

(a) Information not available.

(b) Years ended June 30 of that stated.

IMPORTS OF BISMUTH, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Bismuth	4,561	4,697	6,060	4,777	6,452	8,482
Unwrought alloys (b) ..	3,495	4,120	6,126	6,981	11,278	5,550
Canada—						
Bismuth	22	9	—	53	215	4
Bismuth salts	(£9,814)	(£6,852)	(£11,405)	(£7,927)	(£7,807)	(£9,231)
Australia (c)—						
Bismuth	346	309	345	322	324	377
Bismuth salts	74	23	98	175	110	71
New Zealand—						
Bismuth and its salts ..	230	56	97	123	161	55
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bismuth	39	157	69	58	128	14
Bismuth salts	138	196	752	880	1,261	919
Denmark—						
Bismuth salts	244	270	258	193	276	201
France—						
Bismuth and alloys including scrap ..	3,027	3,653	4,264	5,189	6,096	6,254
Bismuth salts	26	—	—	—	(a)	(a)
Germany (Federal)—						
Bismuth	407	1,252	1,506	2,240	2,224	3,707
Italy—						
Bismuth	217	222	337	411	297	163
Bismuth salts	1,008	49	89	177	164	59
Netherlands—						
Bismuth salts	(a)	138	118	296	256	787
Spain—						
Bismuth	79	100	8	10	14	—
Bismuth salts	154	—	1	—	—	61
Algeria—						
Bismuth salts	6	6	—	2	4	10
Morocco (Southern)—						
Bismuth salts	109	63	80	52	111	130
Mexico (d)—						
Bismuth salts	73	55	53	54	150	145
United States—						
Bismuth	6,324	5,727	5,615	5,390	8,255	7,479
Argentina—						
Bismuth and its salts ..	396	607	663	699	273	31
Brazil (d)—						
Bismuth	(a)	6	70	3	31	—
Bismuth salts	(a)	227	495	266	288	241
Chile—						
Bismuth	22	31	52	32	(a)	(a)
Colombia						
Bismuth salts	40	53	81	102	82	84
Peru—						
Bismuth salts	13	26	13	16	23	13

(a) Information not available.

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

(c) Years ended June 30 of that stated.

(d) Total imports.

IMPORTS OF BISMUTH, ETC, (cont.)
(Cwt.)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Iran (b)—						
Bismuth salts	50	440	72	(a)	(a)	(a)
Japan—						
Bismuth	(a)	359	10	1	—	8
Turkey—						
Bismuth	32	7	1	—	(a)	(a)
Bismuth salts	203	219	146	302	150	86

(a) Information not available.

(b) Years ended March 20 following that stated.

BORATES

PRODUCTION OF CRUDE BORATES

(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
Italy— Boric acid	4,263	4,139	3,783	3,631	3,633	3,489
United States (sales)— Borates	521,275	638,596	705,758	825,443	(c) 507,221	(c) 533,801
Argentina— Borates	(a)	(a)	(a)	13,000	20,000	(a)
Chile— Boron minerals.. ..	(a)	(b) 2,000	(a)	(a)	9,037	(a)
Peru— Borax	25	—	(a)	(a)	(a)	(a)
Turkey— Borates	13,513	6,285	14,105	41,520	32,948	31,142

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

(a) Information not available.

(b) Estimated.

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

EXPORTS OF BORATES

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Borax	953	1,065	1,609	1,588	595	270
Hong Kong (re-exports)—						
Borax	170	2	3	—	1	11
India—						
Borax	7	4	—	—	—	—
FOREIGN COUNTRIES						
Austria—						
Boric acid	—	—	—	3	1	3
Perborate of sodium ..	600	1,116	1,042	1,446	2,417	2,746
Belgium-Luxemburg						
E.U.—						
Borax	246	37	1,540	1,227	1,067	669
Boric acid	(a)	2	23	130	19	4
Borates and perborates	2	113	116	38	14	119
France—						
Borax	474	681	977	663	614	604
Boric acid	126	180	126	158	136	158
Borates and perborates	109	62	83	77	44	1,697
Germany (Federal)—						
Borates	739	2,228	3,541	2,261	1,325	456
Boric acid	331	284	486	312	307	206
Perborate of sodium ..	1,702	5,679	9,571	11,128	11,107	11,192
Italy—						
Boric acid, crude ..	—	162	108	40	—	} 636
do. refined	1,007	696	420	238	444	
Borax, refined	484	1,423	1,439	921	1,912	3,065
Perborates	726	1,344	234	1	3	—
Netherlands—						
Borax	31	1,070	623	673	351	406
Sweden—						
Borax and boric acid ..	1	3	—	1	—	—
Perborate of sodium ..	69	103	90	110	59	52
Switzerland—						
Borax	44	482	—	51	20	—
United States—						
Borax, borates and boric acid	92,225	124,390	183,584	198,739	217,612	191,515
Argentina—						
Borates of calcium and sodium	—	50	984	—	—	3,689
Japan—						
Borax	14	298	1,032	813	2	5
Boric acid	6	9	386	599	20	11
Turkey—						
Borates	11,969	9,116	17,206	30,906	(b) 17,500	21,646

(a) Information not available.

(b) Estimated.

IMPORTS OF BORATES

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Boron minerals	13,309	13,511	16,095	15,779	15,852	15,883
Borax, crude	6	—	35	70	35	—
do. refined	12,103	17,026	25,388	23,487	23,250	25,724
Boric acid	2,971	3,664	5,115	5,426	3,079	2,975
Kenya—						
Borax, refined	88	6	(a)	(a)	(a)	(a)
Southern Rhodesia—						
Borax	74	57	(c) 85	(c) 45	(c) 64	(c) 76
Boric acid	3	5	(c) 4	(c) 7	(c) 4	(c) 5
Tanganyika—						
Borax, refined	5	4	(a)	(a)	(a)	(a)
Uganda—						
Borax, refined	1	3	(a)	(a)	(a)	(a)
Union of South Africa—						
Borax	415	470	576	974	1,202	1,440
Boric acid	208	179	275	247	224	261
Canada—						
Borax	7,443	8,554	7,547	8,413	9,248	9,182
Boric acid	1,562	1,698	1,049	1,348	1,663	1,420
Hong Kong (e) } Borax, crude } do. refined }	1,060	{ 47 2,490	{ 15 3,411	{ — 4,232	{ — 5,811	{ — 2,182
India—						
Borax	491	903	4,563	3,050	4,329	3,935
Pakistan—						
Borax	(b) 261	(b) 438	(b) 430	(b) 742	516	267
Australia (d)—						
Borates, crude	58	70	219	(a)	(a)	(a)
Boron salts	3,620	1,602	2,316	3,228	3,171	2,545
Boric acid	1,194	591	570	817	985	1,150
New Zealand—						
Borax	18	24	52	(a)	(a)	(a)
do. fertilizer	887	412	534	879	865	1,067
Boric acid	143	141	146	267	239	579
Irish Republic—						
Borax	775	771	448	605	845	1,299
Boric acid	67	110	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Borax, crude	1,871	1,850	2,490	3,620	3,899	3,483
do. refined	—	—	1	3	1	4
Boric acid	—	3	1	1	6	6
Perborate of sodium	—	28	20	1	—	1
Belgium-Luxemburg						
E.U.—						
Borax	1,446	1,432	1,312	1,579	1,456	1,572
Boric acid	217	302	323	591	410	312
Borates and perborates	568	1,582	2,298	2,747	3,400	4,260
Denmark—						
Borax	134	36	25	48	63	60
Boric acid	58	76	119	76	93	112
Borates and perborates	854	1,196	1,497	1,644	1,762	2,371

(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.

(e) Total imports.

IMPORTS OF BORATES (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
Finland—						
Borax	119	552	822	479	1,026	315
Boric acid	88	46	124	63	112	93
France—						
Boron minerals	11,017	8,562	16,175	16,969	18,082	13,798
Borax refined	2,655	4,962	5,981	7,262	9,951	10,537
Boric acid	143	—	9	218	1,184	761
Borates and perborates	221	678	768	642	821	625
Germany (Federal)—						
Boron minerals	18,757	11,658	30,946	30,434	30,977	25,622
Boric acid	1,043	1,664	2,697	4,600	4,891	4,615
Borates	2,157	3,690	6,430	7,868	9,016	8,819
Perborate of sodium ..	133	978	169	274	412	350
Greece—						
Borax	72	58	34	(a)	(a)	(a)
Italy—						
Boron minerals	1,117	3,267	4,969	11,986	15,901	10,059
Boric acid	365	139	—	—	—	—
Borax, refined	3,010	1,768	760	1,314	2,050	1,753
Borates	99	2	—	—	30	—
Perborates	367	652	106	285	554	1,009
Netherlands—						
Borax	4,502	6,727	8,464	8,816	8,380	10,028
Boric acid	393	310	634	804	712	793
Perborates	632	911	1,864	983	839	852
Norway—						
Borax	365	267	691	847	1,193	1,352
Boric acid	292	267	277	362	1,415	1,457
Portugal—						
Boric acid	166	58	128	71	159	190
Borax	869	279	425	1,076	830	760
Spain—						
Boric acid	3	1	—	8	2	5
Borates	274	252	9	—	6	34
Sweden—						
Borax	2,098	1,231	2,320	2,394	3,018	2,887
Boric acid	375	223	293	274	317	283
Perborates	831	1,446	2,543	1,770	1,666	1,622
Switzerland—						
Borax	275	1,764	3,256	4,073	3,313	4,364
Yugoslavia—						
Borax	563	(a)	(a)	(a)	(a)	(a)
Boric acid	(a)	35	86	29	34	19
Algeria—						
Borax and boric acid ..	22	17	31	156	55	108
Belgian Congo—						
Boric acid	(a)	1	5	1	64	5
Borax	(a)	29	13	56	56	82
Perborates	(a)	33	51	70	87	46
Egypt—						
Borax	253	191	519	373	(a)	(a)
Boric acid	39	11	16	23	(a)	(a)
Morocco (Southern)—						
Borax	46	71	67	101	60	50
Perborates	27	37	60	43	42	26
Mozambique—						
Borax	6	1	1	7	7	4
Boric acid	1	1	1	2	1	3
Tunis—						
Borax etc.	(a)	30	30	15	1	2

(a) Information not available.

(b) Total imports.

IMPORTS OF BORATES (*cont.*)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba (<i>c</i>)—						
Borax	280	293	332	371	276	(<i>a</i>)
Boric acid	57	82	84	79	100	(<i>a</i>)
Mexico (<i>c</i>)—						
Borax	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	2,806	3,262
Boric acid	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	624	506
Brazil (<i>c</i>)—						
Boron minerals.. .. .	883	912	2,442	854	1,813	1,352
Boric acid	249	141	884	162	761	975
Borax	1,406	542	3,987	886	4,518	1,612
Borates .. .. .							3	577	195	16	71
Chile—						
Borax	14	2	—	—	(<i>a</i>)	(<i>a</i>)
Colombia—						
Borax	240	295	384	498	484	435
Boric acid	129	126	177	125	169	235
Perborate of sodium	92	63	55	69	25	51
Ecuador—						
Borax	5	2	6	10	8	(<i>a</i>)
Boric acid	6	10	6	7	6	(<i>a</i>)
Peru—						
Borax	125	221	215	237	338	330
Boric acid	7	46	52	46	80	60
Uruguay—						
Borate of calcium	—	49	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Venezuela (<i>c</i>)—						
Borax	33	61	122	(<i>a</i>)	405	155
Boric acid	61	50	61	47	100	90
Indo-China—						
Borates	268	252	290	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Iran (<i>b</i>)—						
Borax	187	244	138	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Boric acid	4	3	9	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Japan—						
Borax	2,009	7,398	7,868	10,566	10,773	7,919
Boric acid	717	1,108	1,390	2,216	1,909	2,250
Philippine Republic—						
Boric acid	20	38	33	45	33	99
Syria—						
Borax	(<i>a</i>)	12	53	(<i>a</i>)	39	(<i>a</i>)
Boric acid	(<i>a</i>)	5	4	(<i>a</i>)	7	(<i>a</i>)
Turkey—						
Borax	181	293	105	89	158	46
Boric acid	19	25	5	10	33	5

 (*a*) Information not available.

 (*c*) Total imports.

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

BROMINE
PRODUCTION OF BROMINE
(lb. avdp.)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
France (b)	1,574,000	1,863,000	2,637,000	2,778,000	2,831,000	3,280,000
Italy	1,149,439	712,333	1,092,642	1,105,779	1,117,644	(a)
Spain	150,000	231,000	246,000	169,055	316,815	478,659
United States (c) ..	156,201,577	164,143,348	187,399,110	184,453,846	196,730,115	191,971,145
Israel	—	—	—	—	(a)	(d)
Japan	952,000	1,667,000	1,905,000	2,950,000	2,751,000	(a)

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

(a) Information not available.

(b) Sales.

(c) Includes bromine content of compounds.

(d) Production of bromine and compounds in 1957 was 1,433,000 lbs. Separate figures for production of bromine are not available.

EXPORTS OF BROMINE, ETC.
(Domestic Produce)
(lb. avdp.)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Bromine	5,200	6,000	3,900	25,300	(a)	(a)
Bromides	441,500	308,100	640,500	569,600	537,500	533,400
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bromine	—	—	220	—	—	—
Bromides etc. ..	—	—	1,323	7,275	4,630	7,716
France—						
Bromine	251,768	62,170	716,723	854,071	176,590	357,369
Bromides	375,888	619,940	1,036,173	1,118,625	1,078,942	1,099,886
Germany (Federal)—						
Bromine	(b) 156,087	358,472	248,229	275,798	227,297	650,364
Bromides	185,850	383,163	419,742	188,054	171,740	113,097
Italy—						
Bromine	—	941	24	507	7,271	3,527
Bromides	220	15,833	2,866	37,992	9,017	441
Netherlands—						
Bromides, etc. ..	79,366	123,459	194,007	255,736	275,578	429,901
United States—						
Bromine and compounds (c) ..	2,789,749	3,414,065	5,082,437	3,649,861	6,111,363	10,510,719
Japan—						
Bromine compounds ..	(a)	628	63,370	17,571	63,090	33,711

(a) Information not available.

(b) April to December only.

(c) Includes organic compounds.

IMPORTS OF BROMINE, ETC.

(Less Re-exports)

(lb. avdp.)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Bromine	121,200	2,500	647,000	278,000	56,000	407,680
Bromides	20,900	(a)	(a)	(a)	(a)	(a)
Union of South Africa—						
Bromine	2,149	161	1,041	1,064	1,295	1,879
Canada—						
Bromine	7,406	10,956	27,023	31,686	26,462	19,065
Bromide of soda ..	38,280	66,814	50,945	36,587	55,579	51,933
Australia (b)—						
Bromine	(£60)	(£62)	(£263)	(£194)	(£186)	(£186)
Bromate and bromide of potash	556,817	126,014	140,414	101,299	133,930	120,089
do. do. other	105,952	76,272	97,497	125,886	71,565	83,797
New Zealand—						
Bromine (£ N.Z.) ..	(£61)	(£73)	(£201)	(a)	(a)	(a)
Bromide of soda ..	12,900	4,600	12,900	(a)	(a)	(a)
Bromate and bromide of potash	19,000	4,500	8,700	(a)	(a)	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bromine	19,842	66,139	9,259	11,464	14,771	33,731
Bromides, etc. ..	242,511	416,674	344,362	438,058	541,235	574,745
Denmark—						
Bromide of potash ..	22,267	19,621	22,928	26,015	10,582	9,921
Bromide of soda ..	47,179	27,337	50,045	45,636	26,015	45,856
Other bromides ..	12,566	6,173	4,409	12,566	53,793	42,108
France—						
Bromides	441	—	—	2,425	220	11,684
Germany (Federal)—						
Bromine	—	—	103,613	24,251	5,732	329,591
Bromides	6,834	34,613	—	48,061	19,842	31,306
Italy—						
Bromine	219,360	307,104	154,191	163,980	220,477	76,942
Bromides	4,189	13,007	10,128	35,450	22,392	33,070
Netherlands—						
Bromine	112,436	127,868	141,096	149,914	227,076	(a)
Bromides, etc. ..	110,231	187,393	286,601	359,353	233,690	288,806
Norway—						
Bromine	1,362	489	688	933	1,351	2,915
Portugal—						
Bromine	1,045	1,878	1,283	1,069	604	1,411
Bromide of soda ..	1,005	1,100	864	2,474	1,413	776
Bromide of potash ..	2,493	2,806	5,730	6,105	3,532	7,022
Bromide of ammonium	628	337	24	756	384	88
Spain—						
Bromides	18,958	4,314	2,138	10,637	8,902	5,578
Sweden—						
Bromine	10,134	2,205	2,205	24,251	4,409	4,409
Algeria—						
Bromine	—	220	220	—	—	3,527
Bromides	1,764	1,102	1,323	661	17,417	18,298
Belgian Congo—						
Bromides	(a)	22,710	264	1,823	110,948	1,400
Morocco (Southern)—						
Bromides	1,023	619	1,817	48,517	9,017	11,627

(a) Information not available.

(b) Years ended June 30 of that stated.

IMPORTS OF BROMINE, ETC. (cont.)

(lb. avdp.)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba (c)—						
Bromine ..	3,007	79	745	3,239	496	(a)
Mexico (c)—						
Bromine	(a)	(a)	(a)	(a)	157,968	323,462
Bromides of potash and soda	26,464	26,037	63,310	21,954	29,260	31,098
United States—						
Bromine and compounds	2,387	575	487	692	2,918	1,512
Argentina—						
Bromine and compounds	3,560	31,559	188,678	147,692	86,062	194,818
Brazil (c)—						
Bromine	(a)	44	2,749	3,388	1,468	2,258
Bromides	(a)	21,491	63,689	22,701	207,810	70,592
Chile—						
Bromine	403	930	488	939	(a)	(a)
Bromides	1,942	970	(a)	(a)	(a)	(a)
Colombia—						
Bromine	452	220	267	—	1,243	1,151
Bromides, etc.	5,124	13,748	15,212	14,797	8,514	24,734
Peru—						
Bromine	485	287	505	225	265	362
Bromides	8,631	10,593	5,831	22,831	17,586	10,655
Iran (b)—						
Bromides	8,699	3,697	48,552	(a)	(a)	(a)
Japan—						
Bromine compounds ..	1,766	1,000	4	—	6,160	2,635
Philippine Republic—						
Bromide of potash ..	75	1,944	1,248	10,752	18,488	22,115
Turkey—						
Bromine	284	525	201	545	176	4,023
Bromides	18,902	15,170	19,648	28,885	131,237	47,278

(a) Information not available.

(c) Total imports.

(b) Years ended March 20 following that stated.

CADMIUM
PRODUCTION OF CADMIUM
(lb. avdp.)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom ..	346,752	380,419	315,302	337,546	251,910	228,190
Northern Rhodesia ..	—	—	—	—	116,000	125,000
South West Africa (b) ..	1,112,000	1,194,000	1,620,000	1,402,000	2,328,000	2,840,000
Canada (e) ..	948,587	1,118,285	1,086,780	1,919,081	2,339,421	2,340,015
Australia ..	641,500	665,840	645,000	674,000	618,000	880,660
FOREIGN COUNTRIES						
Austria ..	—	—	—	—	(i) 22,000	(i) 22,000
Belgium ..	1,213,000	1,323,000	1,279,000	1,433,000	1,488,000	1,323,000
France ..	194,708	282,000	313,000	397,000	240,000	388,000
Germany (Federal) ..	144,100	227,000	619,000	710,000	646,000	611,000
Italy ..	290,450	398,003	459,218	461,626	416,098	523,499
Netherlands ..	—	—	(i) 22,000	(i) 33,000	(i) 35,000	(i) 35,000
Norway ..	162,869	197,360	178,432	256,000	278,000	244,000
Poland (h) ..	420,000	485,000	500,000	550,000	542,000	556,000
Spain ..	12,073	16,204	20,999	21,800	25,300	21,200
U.S.S.R. (h) ..	214,000	440,000	470,000	680,000	795,000	1,050,000
Belgian Congo ..	45,208	70,500	138,900	366,000	611,000	911,000
Guatemala ..	—	—	—	—	107,000	84,000
Mexico (c) ..	1,618,391	2,113,342	1,128,800	2,855,123	1,892,000	1,673,000
United States (d)—						
Metal ..	8,387,824	9,682,197	9,415,710	9,753,699	g10,604,356	g10,549,415
Compounds (metal content) ..	179,335	85,000	136,000	189,644	(a)	(a)
Peru (f) ..	37,635	22,862	66,321	137,963	106,532	(h) 140,000
Japan ..	366,624	458,824	610,665	757,308	885,720	873,000
TOTAL* ..	13,600,000	15,900,000	16,300,000	18,700,000	20,000,000	21,000,000

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

(a) 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:

1952	80,000 lb.
1953	70,000 "
1954	138,000 "
1955	285,806 "
1956	(a) "
1957	(a) "

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

(f) Including cadmium content of concentrates.

(g) Including secondary.

(h) Estimate. Source: United States Bureau of Mines.

(i) Estimate. Source: "Metallgesellschaft".

EXPORTS OF CADMIUM, ETC.

(Domestic Produce)

(lb. avdp.)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Compounds	76,000	62,300	94,100	102,500	(a)	(a)
Northern Rhodesia—						
Metal	—	—	—	—	38,000	107,000
South West Africa (b) ..	1,024,000	1,008,000	684,000	1,404,000	2,328,000	2,838,000
Canada	620,344	969,563	776,391	1,562,337	1,922,685	1,941,680
Australia (e) (f)	277,900	382,800	597,700	363,600	362,000	295,000
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Metal	121,254	167,551	318,788	315,922	368,392	558,210
Scrap	11,023	—	—	220	3,307	5,512
France—						
Cadmium (incl. scrap) ..	441	882	661	2,645	28,881	1,102
Cadmium salts	13,007	661	1,323	2,866	(d) 1,763	(d) 2,425
Germany (Federal)—						
Cadmium	55,997	27,558	91,933	201,062	153,442	87,083
Cadmium oxide	2,646	16,314	24,030	43,431	16,094	35,494
Italy—						
Cadmium (incl. scrap) ..	3,086	89,660	62,891	906,435	269,872	155,426
Cadmium salts	1,102	13,300	8,631	9,253	4,317	47,399
Norway (g)	145,000	148,000	115,000	165,000	288,000	200,000
U.S.S.R.	(a)	(a)	(a)	342,000	485,000	470,000
Belgian Congo	43,100	70,405	68,099	309,297	376,157	992,662
Mexico (c)	1,618,391	2,113,342	1,130,332	2,855,123	1,634,818	1,671,970
United States—						
Metal, alloys, dross, flue						
dust, etc.	300,918	65,866	998,959	1,393,915	1,284,248	692,758
Peru	—	10,924	31,226	33,916	28,407	41,057
Japan	(a)	(a)	(a)	(a)	341,450	259,876

(a) Information not available.

(b) Cadmium content of concentrates exported for treatment.

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

(d) Sulphide only.

(e) Years ended June 30 of that stated.

(f) Revised.

(g) Estimated.

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

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Metal	1,381,838	767,177	1,601,930	1,909,363	1,693,167	1,901,860
Australia (b)—						
Cadmium salts ..	2,601	466	4,019	2,710	4,061	2,037
New Zealand—						
Cadmium and salts ..	200	300	—	(a)	(a)	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Metal	22,046	26,455	45,195	63,273	90,830	83,996
Scrap	—	2,205	3,527	—	1,323	34,172
France—						
Cadmium	199,959	225,533	367,070	688,504	801,601	890,667
Cadmium salts ..	7,937	5,732	44,533	53,572	(c) 45,856	(c) 33,069
Germany (Federal)—						
Cadmium	186,070	402,785	632,947	788,373	645,293	871,487
Cadmium oxide ..	13,228	17,417	32,628	24,691	14,991	17,417
Italy—						
Cadmium	35,053	21,325	9,986	163	22,670	9,921
Cadmium sulphide ..	11,244	13,816	4,764	8,609	4,389	9,039
Sweden	248,525	174,165	295,419	191,802	123,459	257,941
Yugoslavia	4,275	10,194	4,623	11,826	10,461	3,527
Algeria	220	661	220	882	1,543	1,761
United States—						
Cadmium	1,478,770	1,555,138	402,299	927,495	3,115,638	1,585,547
Flue dust (cadmium content) ..	1,991,549	1,863,538	1,482,565	1,832,827	1,451,899	1,399,851
Argentina—						
Cadmium salts ..	4,081	11,184	21,592	33,951	639	994
Brazil (d)—						
Cadmium	(a)	1,091	17,767	17,873	28,445	—
Cadmium salts ..	(a)	4,050	15,053	1,834	7,914	2,963
Chile—						
Cadmium	227	214	262	791	(a)	(a)
Cadmium salts ..	—	37	326	47	(a)	(a)
Turkey—						
Cadmium	51	15	35	68	(a)	(a)
Cadmium salts ..	203	518	917	4,063	(a)	(a)

(a) Information not available.

(c) Sulphide only.

(b) Years ended June 30 of that stated.

(d) Total imports.

CHINA CLAY
PRODUCTION OF CHINA CLAY
(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain	789,908	809,288	972,473	1,144,234	1,196,386	1,221,162
Kenya	877	—	—	919	1,499	1,140
Nigeria	—	—	—	—	213	18
Southern Rhodesia	3,573	—	—	—	—	—
Tanganyika	256	1,204	296	94	18	—
Union of South Africa	7,361	7,785	12,890	10,067	10,376	14,128
Hong Kong	4,330	5,934	6,053	5,432	5,463	6,961
India	85,963	94,422	146,144	117,471	173,102	181,000
Malaya	1,128	1,241	1,352	1,378	1,155	1,510
Australia	36,057	39,722	41,253	45,054	41,089	43,486
FOREIGN COUNTRIES						
Austria (crude)	198,652	193,743	237,365	256,205	268,062	287,632
Belgium	26,270	37,472	27,868	(a)	(a)	(a)
Denmark—						
Crude	14,177	10,929	6,266	6,217	5,956	3,629
Washed and pressed	7,423	6,225	6,222	6,389	4,795	3,992
Washed waste	7,184	5,665	4,723	7,633	5,874	5,695
France	(d) 153,157	(d) 165,282	109,000	110,000	115,000	128,000
Germany (Federal)	278,564	267,357	290,929	313,301	313,644	387,364
Greece	8,624	12,450	10,383	(a)	20,000	(a)
Italy—						
Crude	74,747	62,365	64,582	51,293	53,425	(a)
Kaolinic earth	5,616	19,090	26,792	39,793	47,198	(a)
Portugal—						
Crude	20,717	24,137	23,359	18,867	23,860	20,674
Washed	10,064	12,653	15,188	22,771	24,301	26,579
Kaolinic sand (c)	76	279	70	(a)	(a)	(a)
Spain (crude)	60,195	64,855	50,976	65,491	55,661	69,493
Sweden (washed) (b)	2,401	1,553	1,707	1,480	1,603	771
Algeria	1,999	381	374	566	—	—
Egypt	—	286	845	2,671	2,428	(a)
Madagascar	70	50	46	87	25	19
Morocco (Northern)	73	143	2	37	—	—
Mozambique	—	—	108	92	262	(a)
United States (e)	1,633,127	1,682,120	1,672,286	1,934,300	2,008,857	1,949,719
Argentina	25,000	24,000	26,000	27,000	28,000	(a)
Chile	4,320	4,626	5,486	3,570	2,854	(a)
Peru (b)	156	141	184	93	104	(a)
Japan	12,703	14,907	12,471	12,161	14,142	(a)
Korea (South)	1,738	14,391	9,308	13,920	9,242	6,419

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

- (a) Information not available.
(b) Sales.
(c) Kaolin content.

- (d) Including Kaolinic earth.
(e) Sold or used by producers.

EXPORTS OF CHINA CLAY
(Domestic Produce)
(Long tons)

Exporting Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom ..	458,409	475,956	572,584	683,507	758,651	774,861
Tanganyika	161	1,230	256	45	10	9
Union of South Africa ..	12	56	10	—	—	—
Hong Kong	2,024	2,491	3,632	4,072	4,107	5,268
Malaya	250	130	118	259	151	175
FOREIGN COUNTRIES						
Austria	15,407	14,904	18,681	26,078	30,146	34,723
Belgium-Luxemburg						
E.U.	2,283	38	525	431	207	16
Denmark	15	499	576	807	963	1,543
France—						
China clay	3,575	3,241	2,508	2,986	8,301	8,172
Kaolinic earth	1,310	1,242	1,141	1,730	(a)	(a)
Germany (Federal) ..	15,345	16,482	18,408	24,011	22,336	22,325
Greece	(a)	(a)	(a)	(a)	4,580	9,885
Italy	79	21	73	110	172	206
Netherlands (c) ..	223	429	666	964	461	474
Portugal	5,125	5,821	7,847	15,565	18,612	18,887
Spain	2,666	5,788	5,142	14,832	3,801	4,343
Sweden	359	39	15	17	6	—
Algeria (b)	507	461	706	569	69	—
Morocco (Northern) ..	20	17	—	37	(a)	(a)
United States	35,985	38,920	43,928	44,491	52,802	48,999
Chile	338	—	—	394	(a)	(a)

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

(a) Information not available.

(c) Including pipe clay.

(b) Including Kaolinic earth.

IMPORTS OF CHINA CLAY

(Less Re-exports)

(Long tons)

Importing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Union of South Africa (b)	625	1,259	1,679	1,562	2,502	2,411
Canada	89,295	100,769	83,523	106,404	107,488	114,639
Hong Kong (f) ..	(a)	86	222	106	210	71
India	7,394	11,675	11,960	15,042	8,664	4,284
Malaya (f)	19	2	25	39	41	24
Australia	2,709	129	433	5,553	9,168	6,631
New Zealand .. .	774	741	1,003	1,179	912	1,005
FOREIGN COUNTRIES						
Austria	1,431	1,079	1,244	2,624	2,674	3,699
Belgium-Luxemburg						
E.U.	31,038	34,927	41,933	45,467	47,262	52,213
Denmark	21,780	19,041	26,187	26,871	28,369	30,398
Finland	26,995	22,186	33,540	44,897	57,218	58,683
France—						
China clay ..	33,520	36,069	49,006	62,858	81,679	85,320
Kaolinic earth ..	1,211	1,255	921	744	(a)	(a)
Germany (Federal)	90,623	89,087	112,879	143,363	156,558	173,210
Italy	51,717	51,217	62,401	72,198	91,336	102,708
Netherlands (c) ..	49,030	57,931	56,025	67,372	80,133	80,488
Norway	23,917	24,449	25,555	34,528	33,647	37,037
Portugal	59	62	110	121	32	162
Spain	105	75	69	396	205	594
Sweden	45,589	53,023	58,970	62,442	76,821	78,588
Yugoslavia	119	186	1,272	4,517	4,180	8,053
Algeria	1,068	2,518	2,594	2,982	3,090	3,812
Morocco (Southern)	(e) 39	(e) 328	(e) 1,935	(e) 1,926	1,854	1,803
Mozambique	18	9	—	10	19	15
Mexico (f)	(a)	(a)	(a)	(a)	1,828	2,903
United States .. .	92,801	106,049	119,959	136,068	129,413	119,917
Argentina	400	95	1,507	6,734	1,221	2,500
Brazil (f)	(a)	46	58	85	140	219
Chile	71	70	51	37	(a)	(a)
Colombia	232	85	400	107	160	197
Ecuador	80	88	137	219	29	(a)
Peru	174	102	253	348	360	680
Uruguay	615	1,150	(a)	(a)	(a)	(a)
Indonesia	1,060	547	778	1,083	1,372	976
Iran (d)	16	3	7	(a)	(a)	(a)
Japan	4,368	7,197	9,967	10,896	12,173	15,655
Philippine Republic	212	149	537	344	313	642
Turkey	101	126	26	51	375	208

(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.

(f) Total imports.

CHROME ORE AND CHROMIUM

PRODUCTION OF CHROME ORE

(Long tons)

Producing Country	Estimated Cr ₂ O ₃ content						
	1952	1953	1954	1955	1956	1957	1957
BRITISH COUNTRIES							
Sierra Leone ..	23,493	24,354	18,760	20,742	19,580	15,616	9,900
Southern Rhodesia ..	317,571	413,420	395,097	401,076	400,868	583,996	152,000
Union of South Africa ..	570,866	713,006	631,196	533,368	616,835	655,014	256,000
Cyprus (b) ..	11,594	6,829	9,150	7,912	7,175	6,200	5,461
India ..	35,187	64,770	45,507	89,349	52,686	78,542	17,400
Pakistan ..	17,230	23,439	21,863	28,000	17,800	4,077	8,300
Australia ..	1,398	2,741	4,943	—	6,096	3,258	576
TOTAL ..	977,300	1,248,600	1,126,100	1,080,000	1,121,000	1,346,700	
FOREIGN COUNTRIES							
Albania ..	(a)	54,000	(a)	144,000	(a)	165,000	(a)
Greece ..	31,654	36,178	26,346	24,912	77,609	(a)	11,400
Portugal ..	106	5	21	—	—	(a)	42
U.S.S.R. (e) ..	600,000	600,000	600,000	600,000	600,000	600,000	(a)
Yugoslavia ..	105,529	124,956	122,514	124,214	116,886	118,367	(a)
Egypt ..	—	78	522	827	251	(a)	(a)
Cuba ..	60,832	68,933	71,438	75,988	(a)	71,346	(a)
Guatemala ..	60	394	130	286	896	(e) 1,000	(a)
United States ..	19,021	52,515	145,862	136,833	185,412	148,354	9,000
Brazil ..	2,607	3,520	1,882	4,059	4,050	7,811	(a)
Iran (d) ..	19,279	18,170	13,025	9,991	23,147	(c) 39,198	9,300
Japan ..	46,406	36,981	32,266	26,133	39,238	45,380	16,400
Philippine Republic ..	534,930	548,292	444,059	585,610	697,856	714,057	239,000
Turkey ..	763,065	637,581	531,520	634,155	819,916	689,615	366,000
New Caledonia ..	105,960	119,672	83,611	45,348	48,153	63,241	55,100
TOTAL ..	2,320,000	2,280,000	2,110,000	2,410,000	2,800,000	2,700,000	
World's TOTAL ..	3,300,000	3,550,000	3,240,000	3,490,000	3,900,000	4,000,000	

(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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Chromium metal ..	331	275	237	238	224	571
Chromates of potash ..	454	361	490	931	(a) 931	(a) 8,108
Chromates of soda ..	1,467	1,422	2,413	2,934	3,203	4,186
Sierra Leone—						
Ore	23,970	26,096	15,120	17,750	18,774	16,378
Southern Rhodesia—						
Ore	263,496	422,827	284,355	382,845	455,969	625,775
Ferro-chrome ..	(a)	247	2,294	6,616	7,650	8,108
Union of South Africa—						
Ore	400,904	505,790	458,737	463,723	551,812	631,836
Canada—						
Ferro-chrome ..	39,545	30,200	13,664	11,030	8,837	9,225
Cyprus—						
Ore and concentrates ..	13,274	7,277	9,867	8,570	5,826	5,070
India—						
Ore	(b) 8,936	(b) 15,357	(b) 23,353	48,743	41,866	41,164
Pakistan—						
Ore	16,400	19,853	13,200	22,105	34,800	12,805
FOREIGN COUNTRIES						
Austria—						
Ore	1,909	1,871	1,917	2,271	2,692	1,148
Belgium-Luxemburg						
E.U.—						
Chromates of potash and soda ..	132	97	1	47	11	22
France—						
Ferro-chrome ..	4,599	6,232	6,051	11,615	10,130	11,887
Chromates, chrome alum, etc. ..	797	276	1,308	939	399	323
Germany (Federal)—						
Ore	4,224	54	457	410	4,183	577
Chrome alum ..	481	439	605	751	1,228	1,435
Greece—						
Ore	29,677	27,506	22,168	33,142	39,522	43,871
Italy—						
Ferro-chrome ..	200	67	5	220	1,707	3,407
Chromates and bichromates ..	345	448	227	138	107	78
Netherlands—						
Chromates ..	—	6	52	145	177	344
Norway—						
Ferro-chrome ..	19,414	14,293	10,562	25,542	22,594	19,338
Sweden—						
Ore	—	—	—	15	11	2,821
Ferro-chrome ..	6,488	5,694	6,325	10,935	10,516	9,263
Chromates and chrome alum ..	664	882	1,007	725	280	221
U.S.S.R.—						
Ore	(a)	(a)	(a)	155,500	215,500	254,700
Yugoslavia—						
Ore and concentrates ..	50,388	54,039	8,053	44,773	54,772	35,580
Ferro-chrome ..	1,689	1,853	1,855	3,490	2,857	2,645
Egypt—						
Ore	(a)	556	(a)	—	207	(a)

(a) Information not available.

(b) Sea-borne trade only.

EXPORTS OF CHROME ORE, ETC. (*cont.*)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba—						
Ore	83,963	75,075	8,804	34,184	30,932	111,712
United States—						
Ore	1,367	1,041	771	1,197	1,542	747
Ferro-chrome	1,138	542	1,879	4,191	4,943	4,049
Chromates of potash	706	172	565	356	273	239
Chromates of soda	2,930	2,142	4,448	5,371	5,664	3,069
Japan—						
Ferro-chrome	14	49	7	2,576	3,570	5,223
Bichromates	7	810	635	3,434	1,997	3,129
Philippine Republic—						
Ore and concentrates	537,834	572,581	456,328	407,129	714,463	627,983
Turkey—						
Ore	616,514	667,742	350,929	550,746	631,869	562,102
New Caledonia—						
Ore	101,037	110,379	58,559	87,701	48,413	60,048

IMPORTS OF CHROME ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ore	167,561	160,375	134,686	151,979	143,373	187,747
Ferro-chrome	33,729	16,821	9,134	26,187	26,211	29,192
Ferro-silicon-chrome	588	171	662	1,695	2,313	2,097
Chromates of potash	2	25	—	—	—	51
Chromates of soda	110	1,281	1,820	3,670	2,135	2,081
Canada—						
Ore	132,449	105,439	33,497	46,298	58,005	99,512
Bichromate of potash	170	116	136	114	152	140
Bichromate of soda	1,655	2,234	1,940	3,019	2,685	2,762
India—						
Ferro-chrome	(a)	50	87	193	77	259
Bichromate of potash	—	—	1	—	7	1
Bichromate of soda	—	54	455	59	—	—
Pakistan—						
Bichromate of potash	(b) 7	(b) 27	(b) 46	(b) 10	22	21
Bichromate of soda	(b) 257	(b) (a)	(b) (a)	(b) (a)	(a)	(a)
Australia (c)—						
Ore	5,121	6,264	4,176	4,962	7,312	6,039
Ferro-chrome	556	2,157	1,012	994	1,701	1,911
Bichromate of potash	8	2	8	6	7	4
Chromates of soda	66	19	200	98	88	58
New Zealand—						
Bichromate of potash	35	13	14	(a)	(a)	(a)
Bichromate of soda	142	53	86	129	82	133
FOREIGN COUNTRIES						
Austria—						
Ore	49,197	59,695	57,165	57,559	63,054	105,413
Ferro-chrome	3,933	3,391	5,467	6,711	8,384	9,218
Chromates	569	673	732	969	794	929
Belgium-Luxemburg						
E.U.—						
Ore	2,334	341	415	712	862	1,220
Ferro-chrome and silico- chrome	(a)	(a)	1,107	2,224	2,813	1,834
Chromates of potash and soda	649	1,229	1,329	1,674	1,584	1,611
Chrome alum	194	134	181	170	158	290
Denmark—						
Ferro-chrome	329	151	158	211	356	132
Chromates of potash and soda	209	188	486	804	729	710
Finland—						
Ferro-chrome	628	715	403	565	612	934
Chromates of potash and soda	551	353	181	671	613	482
France—						
Ore	82,871	63,362	57,755	104,529	146,367	126,604
Ferro-chrome	—	4	13	20	5	2
Chromates	1,022	1,676	3,522	4,050	3,636	4,244
Chrome alum	59	74	100	223	226	229
Germany (Federal)—						
Ore	103,426	96,870	204,578	234,320	218,427	173,712
Italy—						
Ore	18,465	13,618	25,975	25,151	34,863	32,565
Ferro-chrome	1,407	2,385	3,240	3,401	6,456	5,870
Chromates	564	1,006	614	897	985	764
Chrome alum	74	255	364	376	373	280

(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.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Ore	141	231	303	260	457	94
Chromates	1,162	1,302	1,456	2,019	1,914	2,285
Chrome alum	159	301	365	418	472	408
Norway—						
Ore	49,716	47,317	30,356	77,034	85,461	59,993
Portugal—						
Chromates of potash and soda	46	33	79	55	19	19
Chrome alum	7	—	—	—	4	9
Spain—						
Chromates	—	—	49	—	1	—
Sweden—						
Ore	47,441	56,863	40,168	78,826	64,508	87,283
Ferro-chrome	1,612	1,310	1,350	1,881	8,082	5,430
Chrome alum	1	14	—	—	10	49
Chromates	1,428	185	533	732	1,001	1,138
Yugoslavia—						
Ore	—	—	541	492	—	12,005
Algeria—						
Chromates	27	13	48	59	55	78
Egypt—						
Chromates of potash and soda	416	365	323	509	(a)	(a)
Morocco (Southern)—						
Chromates	80	236	221	318	245	238
Mexico (b)—						
Chromates	780	869	1,202	1,620	1,506	1,574
United States—						
Ore	1,525,865	1,988,063	1,312,561	1,637,499	1,942,014	2,037,135
(Cr ₂ O ₃ content)	639,719	841,511	543,513	683,286	820,763	877,580
Ferro-chrome (Cr content)	10,808	18,396	8,539	17,319	23,266	27,598
Metal and alloys	135	158	127	239	365	1,209
Argentina—						
Bichromate of potash	351	46	1,029	1,096	294	—
Bichromate of soda	1,095	551	1,489	1,868	4,451	3,714
Chromate of lead	1	—	—	10	—	—
Chrome alum	119	20	50	—	—	—
Brazil (b)—						
Chromates of potash and soda	1,362	434	3,691	1,009	2,323	2,164
Chile—						
Ferro-chrome	124	141	70	6	(a)	(a)
Bichromate of soda	493	328	320	485	(a)	(a)
Colombia—						
Chrome alum	52	37	2	4	45	89
Chromates	117	112	92	173	141	126
Peru—						
Chromates	127	90	114	113	114	141
Uruguay—						
Chromates of potash and soda	83	144	(a)	(a)	(a)	(a)
Japan—						
Ore	13,282	19,789	58,543	56,991	133,467	245,797
Ferro-chrome	—	10	488	143	91	84
Turkey—						
Chromates	90	110	95	60	81	123
Chrome alum	58	77	19	50	5	31

(a) Information not available.

(b) Total imports.

COAL, COKE AND BY-PRODUCTS

PRODUCTION OF COAL (Including Brown Coal and Lignite)

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain—						
Mined—						
Anthracite	3,707,800	3,672,200	3,707,400	3,520,600	3,438,100	3,376,200
Bituminous	210,615,900	208,831,200	210,286,100	206,665,100	206,487,300	206,682,700
Opencast (b)	12,167,100	11,704,100	10,096,200	11,365,700	12,080,600	13,568,900
Northern Ireland—						
Bituminous	890	2,180	2,390	1,243	1,550	3,508
Nigeria	581,048	700,264	635,841	748,499	787,209	815,271
Southern Rhodesia	2,518,947	2,577,172	2,704,758	3,262,322	3,497,763	3,791,793
Tanganyika	—	43	522	785	1,488	1,046
Union of South Africa	27,621,036	28,009,840	28,851,726	31,603,541	33,071,166	34,219,253
Canada—						
Bituminous	11,320,895	10,249,460	9,232,692	9,093,622	9,204,988	8,081,020
Sub-bituminous	2,514,406	2,142,834	2,193,056	2,089,471	2,021,770	1,687,144
Lignite	1,860,237	1,804,736	1,889,946	2,048,050	2,090,751	2,007,868
India	36,303,589	35,980,408	36,880,810	38,226,000	39,420,000	43,448,538
Pakistan	600,026	583,727	553,743	543,000	492,000	516,000
Malaya	314,922	286,364	224,540	206,118	182,479	152,711
Australia—						
Bituminous (c)	17,796,168	16,846,196	17,921,841	17,692,362	17,762,401	18,191,701
Sub-bituminous	1,608,930	1,564,649	1,841,198	1,582,388	1,511,433	1,607,297
Lignite	8,103,764	8,257,299	9,331,255	10,112,206	10,559,801	10,740,989
New Zealand—						
Anthracite	808	1,944	2,003	1,505	1,835	1,700
Bituminous	860,898	772,242	811,952	782,210	799,226	830,290
Sub-bituminous	1,658,353	1,543,492	1,590,914	1,590,194	1,621,206	1,602,584
Lignite	229,749	201,037	189,387	182,744	205,449	177,889
TOTAL	340,385,000	335,732,000	338,946,000	341,318,000	345,240,000	351,504,000
Irish Republic—						
Anthracite	51,536	71,724	} 151,126	134,500	163,131	160,641
do. dust	56,836	41,440				
Semi-bituminous	41,989	37,132	} 51,044	59,200	72,957	87,466
Other	12,717	13,704				

(a) Information not available.

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

1952—Anthracite	475,700,	Bituminous	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
1957—	620,600	”	12,948,300

(c) Including semi-anthracite.

PRODUCTION OF COAL (cont.)

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
Albania—						
Brown coal (b) ..	(a)	(a)	(a)	} 200,000	200,000	{ (a)
Lignite (b) ..	(a)	(a)	(a)			
Austria—						
Bituminous	187,323	159,014	173,893	168,331	163,244	149,933
Brown coal	5,097,162	5,486,021	6,185,570	6,514,335	6,623,533	6,768,660
Belgium	29,904,481	29,585,530	28,786,760	29,503,000	29,088,333	28,627,014
Bulgaria—						
Anthracite and bitu- minous	233,000	265,000	289,000	288,000	364,000	b 400,000
Brown coal	7,060,000	7,948,000	8,495,000	9,604,000	10,282,000	b11,000,000
Czechoslovakia—						
Bituminous	19,800,000	20,020,000	21,264,000	21,785,000	23,041,000	23,799,000
Brown coal and lignite	32,900,000	33,900,000	37,262,000	40,107,000	45,568,000	50,210,000
Denmark—						
Lignite	1,576,000	785,000	668,000	788,000	(b)1,402,000	(a)
France—						
Anthracite and bituminous	54,492,494	51,764,865	53,554,640	54,462,083	54,257,000	55,899,000
Lignite	1,958,369	1,917,326	1,880,000	2,021,000	2,220,000	2,258,000
Germany—						
Federal Republic—						
Bituminous	123,089,000	124,163,000	127,713,000	130,452,000	134,051,000	132,882,000
Brown coal	82,049,000	83,219,000	86,426,000	88,910,000	93,729,000	95,282,000
East Germany (d)—						
Bituminous	2,711,000	2,596,000	2,606,000	2,640,000	2,700,000	2,710,000
Brown coal	155,959,000	170,024,000	179,040,000	197,444,000	202,615,000	209,237,000
Greece—						
Lignite	252,000	437,464	688,959	770,032	785,000	900,000
Hungary—						
Bituminous	1,691,000	1,961,000	2,397,000	2,649,000	2,334,000	2,241,000
Brown coal and lignite	16,580,000	18,716,000	18,799,000	19,314,000	17,932,000	18,720,000
Italy—						
Anthracite	80,170	67,083	62,587	46,890	52,895	54,032
Bituminous	991,687	1,045,896	994,051	1,070,272	1,007,150	951,392
Brown coal	839,547	745,550	633,564	412,574	448,077	379,676
Netherlands—						
Bituminous	12,334,371	12,102,437	11,880,822	11,707,000	11,468,730	11,196,165
Brown coal	231,208	249,349	247,531	251,000	265,478	283,395
Poland—						
Bituminous	83,103,000	87,197,000	90,200,000	92,983,600	93,646,200	92,609,500
Brown coal	6,100,000	5,500,000	5,800,000	5,949,300	6,085,100	5,862,000
Portugal—						
Anthracite	435,081	470,766	425,233	398,085	407,014	490,897
Brown coal	75,627	70,275	64,144	86,444	143,720	180,782
Roumania—						
Anthracite and bitu- minous	} 1,738,249	2,064,782	{ 180,000	188,633	187,965	} 247,000
Lignite				1,940,000	2,487,475	
Brown coal				3,347,746	3,694,583	
Saar	15,979,000	16,160,000	16,552,000	17,056,000	16,818,000	16,195,000
Spain—						
Anthracite	1,807,414	1,919,484	1,932,921	1,928,271	2,238,200	2,787,000
Bituminous	10,262,853	10,279,933	10,469,728	10,300,283	10,409,282	10,913,000
Lignite	1,574,742	1,763,178	1,726,695	1,806,984	1,897,655	2,468,000
Spitzbergen—						
Norwegian mines ..	446,242	420,748	335,143	317,059	383,864	384,000
Russian mines (c) ..	248,895	258,743	277,092	305,215	344,298	(a)

(a) Information not available.

(b) Estimated.

(c) Exports.

(d) Revised.

PRODUCTION OF COAL (cont.)

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden	341,515	280,152	263,059	277,496	289,570	299,388
U.S.S.R.—						
Bituminous, etc. .. .	211,600,000	220,800,000	239,900,000	272,300,000	298,900,000	322,000,000
Lignite	84,500,000	94,600,000	101,800,000	112,800,000	123,500,000	134,000,000
Yugoslavia—						
Bituminous	995,000	910,000	972,000	1,119,000	1,213,000	1,208,000
Brown coal and lignite	10,912,000	10,158,000	12,475,000	13,848,000	15,618,000	16,515,000
Algeria—						
Bituminous	265,122	289,906	298,000	297,600	292,500	232,237
Belgian Congo	248,891	310,220	372,955	472,345	412,874	426,223
Madagascar	3,504	4,493	973	50	364	1,110
Morocco—						
Anthracite	452,700	556,100	478,300	459,600	474,400	512,771
Mozambique	113,143	159,120	139,322	169,821	214,851	(a)
Tunis—						
Lignite	—	—	—	—	—	—
Greenland	8,000	7,000	8,000	7,000	8,000	(a)
Mexico	1,345,279	1,409,696	1,280,320	1,321,762	1,385,862	1,398,355
United States—						
Anthracite	36,234,427	27,633,171	25,967,390	23,396,923	25,803,768	22,623,501
Bituminous	414,128,109	405,749,479	345,949,548	412,024,579	444,639,000	437,586,226
Lignite	2,694,018	2,545,564	3,788,220	2,826,678	2,570,000	2,327,984
Argentina (lignite) .. .	111,000	80,794	92,000	133,832	146,670	202,943
Brazil	1,930,321	1,992,948	2,023,004	2,232,480	2,197,978	2,300,000
Chile—						
Bituminous	2,411,378	2,299,077	2,231,520	2,268,217	2,241,590	2,067,933
Colombia	(b)1,000,000	1,206,000	1,500,000	1,820,000	2,000,000	2,539,112
Peru—						
Anthracite	182,373	130,537	162,132	26,540	15,401	(a)
Bituminous	143,387	139,102	126,252	118,620	87,233	(a)
Venezuela	24,796	28,979	31,891	29,995	30,292	34,022
Afghanistan	12,200	15,330	15,170	23,000	24,000	27,000
China (b)	62,500,000	68,000,000	82,000,000	91,000,000	103,200,000	125,000,000
Formosa	2,250,000	2,354,000	2,084,000	2,317,000	2,489,103	2,870,000
Indo-China—						
Anthracite	824,568	819,057	971,600	(c)	(c)	(c)
Indonesia	943,556	883,159	879,640	801,214	815,158	706,000
Iran (b)	250,000	250,000	250,000	250,000	250,000	200,000
Japan—						
Anthracite	992,000	1,075,000	1,228,000	1,335,000	1,394,000	1,653,000
Bituminous	41,679,000	44,714,000	40,817,000	40,415,000	44,425,000	49,261,000
Lignite	1,515,128	1,462,322	1,421,619	1,346,487	1,496,300	(a)
Korea (South)—						
Anthracite	566,808	852,749	876,892	1,287,660	1,773,025	2,402,660
Lignite	2,219	263	—	—	—	—
Philippine Republic .. .	137,238	152,458	117,738	128,126	149,312	188,132
Turkey—						
Bituminous	4,769,801	5,067,653	5,623,872	5,420,028	5,795,310	5,854,367
Lignite	1,365,120	1,299,791	2,062,285	2,377,880	2,962,440	3,505,314
Vietnam (North)—						
Anthracite	(d)	(d)	(d)	1,080,000	(a)	(a)
Vietnam (South)—						
Anthracite	(d)	(d)	(d)	1,080,000	2,000	12,175
TOTAL	1,560,000,000	1,590,000,000	1,600,000,000	1,750,000,000	1,870,000,000	1,930,000,000
WORLD'S TOTAL .. .	1,900,000,000	1,926,000,000	1,940,000,000	2,100,000,000	2,210,000,000	2,280,000,000

(a) Information not available.

(c) See Vietnam.

(b) Estimated.

(d) See Indo-China.

PRODUCTION OF COKE

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain—						
Gas-works—coke (b) ..	12,532,100	12,301,200	12,331,400	12,741,000	12,704,000	12,029,000
breeze (b) ..	2,770,500	2,747,200	2,832,400	2,855,000	2,862,000	2,654,000
Coke-ovens—coke ..	17,091,800	17,481,200	17,852,500	18,103,000	19,644,000	20,492,000
breeze ..	1,039,900	1,085,300	1,162,100	1,191,000	1,255,000	1,364,000
Northern Ireland—						
Gas-works	170,400	169,820	172,300	163,376	159,300	115,000
Southern Rhodesia ..	108,605	133,462	142,289	186,635	214,629	226,977
Union of South Africa ..	1,332,035	1,421,873	1,361,710	1,379,059	1,451,922	1,581,074
Canada—						
Gas-works—coke ..	153,366	134,154	141,319	59,943	54,029	56,879
breeze ..	1,063	28,643	30,231	74		
Coke-ovens—coke ..	3,236,852	3,359,133	2,699,603	3,317,834	3,813,125	3,619,571
breeze ..	230,732	275,242	186,185	197,705		
India—						
Gas-works	89,011	98,284	90,546	91,718	70,665	112,692
Hard	2,177,221	2,011,560	2,323,434	2,601,465	2,495,297	2,563,116
Soft	1,289,411	1,472,517	1,538,607	1,650,814	1,652,015	1,721,697
Australia (d)—						
Gas-works—coke ..	1,203,602	1,071,106	839,793	1,099,859	1,000,462	860,614
breeze ..	123,231	62,965	366,041	208,218	170,321	152,896
Coke-ovens—coke ..	1,636,982	1,858,428	2,010,404	2,046,790	2,058,426	2,234,458
breeze ..	119,288	90,135	139,758	128,684	170,513	203,979
New Zealand (e)—						
Gas-works	88,533	74,672	68,983	66,561	73,705	(a)
Irish Republic—						
Gas-works (c)	89,065	88,188	98,650	99,131	94,538	(a)
FOREIGN COUNTRIES						
Austria—						
Gas-works	447,170	402,467	449,786	427,616	443,977	397,358
Coke-ovens	1,210,285	1,198,236	1,330,762	1,450,471	1,688,218	1,824,297
Belgium—						
Gas-works	20,763	19,452	17,700	9,000	1,000	4,000
Coke-ovens	6,306,015	5,851,516	6,049,740	6,497,000	7,155,623	7,043,445
Bulgaria	10,000	10,000	7,000	10,000	9,997	11,582
Czechoslovakia	6,041,000	6,400,000	6,682,000	7,000,000	7,211,000	7,367,000
Denmark (gas-works) ..	410,400	433,000	437,000	572,200	544,000	528,000
Finland (gas-works) ..	113,264	117,110	103,963	113,687	95,553	104,824
France—						
Gas-works (sales) ..	2,637,000	2,412,000	2,110,000	f 1,704,000	1,571,000	1,488,000
Coke-ovens	9,097,191	8,512,710	9,115,644	f 10,590,000		
Semi-coke	274,357	263,981	282,165	296,780	12,366,000	12,684,000
Germany (Federal)—						
Gas-works	3,350,000	3,967,000	4,218,000	4,982,000	5,657,000	5,374,000
Coke-ovens—Hard coke	36,679,000	37,231,000	34,465,000	39,976,000	42,857,000	44,616,000
do. Brown-coal coke	690,000	713,000	682,000	611,000	576,000	574,000
Germany (East) (f)—						
Hard coke	1,961,000	2,290,000	2,540,000	2,662,000	2,751,000	2,773,000
Brown-coal coke ..	5,648,000	6,312,000	6,558,000	6,718,000	7,037,000	7,290,000
Greece (gas-works) ..	29,707	30,020	(a)	(a)	(a)	(a)
Hungary—						
Gas-works	334,000	484,000	479,000	385,000	378,000	408,000
Coke-ovens—Hard coke				30,000	86,000	258,000
do. Brown-coal coke				61,000	38,000	36,000
Italy—						
Gas-works	1,095,720	1,059,832	1,035,533	977,792	985,349	905,857
Coke-ovens	2,435,241	2,400,104	2,573,577	2,907,503	3,356,882	3,628,772

(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.

(f) Revised.

PRODUCTION OF COKE (cont.)

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Netherlands—						
Gas-works	913,000	937,000	913,000	854,000	767,000	648,000
Coke-ovens	3,177,000	3,234,000	3,327,000	3,839,000	4,186,000	4,215,000
Norway (gas-works) ..	64,270	62,488	61,484	56,815	58,961	(a)
Poland	7,234,000	7,776,900	8,386,200	9,877,000	10,320,000	10,725,000
Portugal (gas-works)	27,784	33,614	34,189	37,782	36,431	33,611
Roumania—						
Coke-ovens	(a)	(a)	(a)	141,689	251,666	(a)
Saar—						
Coke-ovens	3,825,831	3,532,580	3,607,000	3,877,000	} 4,264,000	4,380,000
Semi-coke	92,105	81,728	90,000	114,000		
Spain—						
Gas-works	218,807	223,174	241,348	245,631	257,698	248,843
Coke-ovens	1,169,871	1,161,388	1,216,658	1,429,537	1,622,898	1,837,627
Sweden (including breeze)	660,833	700,498	783,011	810,000	845,000	775,000
Switzerland—						
Gas-works	451,000	441,000	438,000	457,000	497,000	484,000
U.S.S.R.	33,200,000	36,300,000	39,700,000	42,900,000	45,900,000	47,800,000
Yugoslavia—						
Gas-works	25,202	24,662	23,347	23,421	22,688	24,240
Coke-ovens	14,788	291,045	397,747	719,853	908,813	1,020,862
Algeria (gas-works) ..	89,614	92,267	87,460	82,908	86,174	(b) 85,000
Egypt	(a)	21,052	21,283	22,803	(a)	(a)
Tunis (gas-works) ..	12,331	15,605	10,547	589	—	(a)
Mexico (coke-ovens) ..	540,856	565,601	392,514	500,252	565,000	674,000
United States—						
Coke-ovens—						
Coke	54,571,748	63,603,534	51,718,149	64,801,868	e 64,278,787	e 65,947,046
Breeze and screenings	3,923,677	4,505,913	3,432,971	4,275,315	e 4,260,547	e 4,341,602
Coke-ovens (gas-works) (d)—						
Coke	2,437,283	2,104,973	1,015,281	898,323	(f)	(f)
Breeze and screenings	218,617	184,700	76,452	65,957	(f)	(f)
Beehive—						
Coke	3,932,137	4,681,544	536,655	1,533,582	2,223,468	1,866,097
Breeze and screenings	57,376	74,514	24,574	79,281	88,375	45,115
Gas-works—						
Coke	40,102	211,800	228,486	(a)	(a)	(a)
Breeze and screenings	4,185	2,155	—	(a)	(a)	(a)
Argentina	(a)	(a)	(a)	138,691	(a)	(a)
Brazil (c)	295,604	326,794	449,575	473,530	468,043	(b) 470,000
Chile	111,211	107,814	105,040	106,044	104,000	(a)
Colombia (b)	2,000	2,000	2,500	250,000	250,000	215,000
Peru	26,558	28,402	29,299	30,532	23,967	22,000
Uruguay (gas-works)—						
Coke	35,874	35,101	34,877	30,197	29,578	28,955
Breeze	5,743	5,797	5,797	4,248	4,314	4,997
Formosa—						
Gas-works	2,275	4,568	4,997	41,010	(a)	(a)
Coke-ovens	160,521	140,884	118,175	130,823	114,775	145,000
Japan—						
Gas-works	1,853,375	2,107,836	2,169,407	2,335,742	2,644,000	} 9,141,000
Coke-ovens	2,967,068	3,726,254	3,431,258	3,721,780	4,196,000	
Beehive, etc.	962,574	968,444	890,668	919,668	1,158,000	
Turkey—						
Gas-works	66,244	(a)	(a)	(a)	(a)	(a)
Coke-ovens	393,552	540,034	501,072	499,457	494,841	538,532
Korea (South)	3,090	1,756	1,049	—	—	3,000

(a) Information not available.

(b) Estimated.

(c) Volta Redonda only.

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

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

(f) Included with production from coke-ovens.

PRODUCTION OF BRIQUETTES
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain	1,776,000	1,576,000	1,682,000	1,681,000	1,776,000	2,106,000
Canada	634,904	632,583	741,911	583,564	671,861	352,249
Australia (b)—						
Brown-coal briquettes..	568,252	544,973	587,252	631,000	634,000	617,989
New Zealand	11,240	11,760	13,187	13,137	(a)	15,445
Irish Republic	1,317	1,795	5,818	1,672	2,015	(a)
FOREIGN COUNTRIES						
Belgium	1,459,436	1,311,582	1,356,505	1,512,000	1,789,580	1,793,552
Denmark—						
Brown-coal briquettes..	19,249	21,967	23,663	17,957	20,677	25,469
France	7,843,224	6,848,865	6,626,789	e 6,600,160	7,736,000	8,126,000
Germany (Federal)—						
Coal briquettes	4,883,000	4,822,000	5,532,000	6,370,000	7,082,000	7,243,000
Brown-coal briquettes..	16,144,000	16,317,000	16,404,000	16,180,000	16,690,000	16,560,000
Germany (East) (e)—						
Brown-coal briquettes..	42,910,000	44,938,000	46,146,000	50,162,000	50,819,000	52,523,000
Netherlands—						
Coal briquettes	929,533	890,102	903,976	961,000	1,016,624	1,124,279
Brown-coal briquettes..	72,238	82,268	81,110	84,000	76,985	80,165
Poland—						
Coal briquettes	(a)	647,700	664,800	687,800	637,800	(a)
Brown-coal briquettes..	(a)	155,700	140,400	180,000	184,300	(a)
Portugal	92,791	82,467	89,898	94,401	99,915	89,842
Spain	1,130,306	1,145,138	1,093,949	1,163,227	1,274,679	1,345,780
Sweden	21,196	1,072	(a)	(a)	(a)	(a)
Switzerland (d)	100,000	100,000	100,000	100,000	100,000	100,000
Algeria	51,064	39,465	28,581	24,000	30,133	—
Morocco (Southern) .. .	15,300	17,759	14,386	16,236	9,666	18,587
Tunis	14,552	10,979	5,606	9,836	4,279	(d) 5,000
United States (c)	2,035,496	1,589,340	1,450,412	1,454,948	1,355,839	986,412
Indo-China	(a)	(a)	49,152	(a)	(a)	(a)
Korea (South)	46,400	56,200	72,266	40,314	—	(a)

(a) Information not available.

(b) Years ended June 30 of that stated.

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

1952—85,953; 1953—71,189; 1954—69,071; 1955—61,796; 1956—58,000; 1957—42,221.

(d) Estimated.

(e) Revised.

PRODUCTION OF COAL BY-PRODUCTS*

(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain—						
Tar (quantity distilled)	2,710,000	2,710,000	2,777,000	2,778,000	2,869,000	2,866,000
Road tar (incl. refined)	610,000	593,000	653,000	662,000	608,000	588,000
Pitch	646,000	632,000	547,000	491,000	534,000	446,000
Motor benzol	225,900	197,600	197,600	189,000	204,000	189,000
Other motor spirits, etc.	117,700	117,700	115,300	109,300	90,300	82,700
Other refined light oils	138,000	171,400	186,700	195,700	197,600	227,500
Creosote-pitch mixture	647,000	664,000	780,000	803,000	879,000	1,050,000
Creosote oil	485,700	531,500	464,300	452,000	479,000	428,000
White naphthalene ..	6,500	7,500	10,300	9,600	10,500	8,700
Hot-pressed do. .. .	18,600	18,500	19,200	20,800	22,600	19,600
Crude do.	16,900	9,100	11,400	19,600	19,000	20,700
Pyridine bases	840	890	1,100	1,500	1,500	1,300
Natural phenol	10,700	11,300	12,800	11,800	13,600	14,900
Refined cresylic acid ..	47,400	46,600	52,000	59,000	67,000	69,000
Anthracene 40-50% ..	2,820	2,480	2,410	2,600	2,800	3,400
Ammonium sulphate (b)	1,015,400	1,047,000	1,049,400	1,010,700	1,061,000	1,109,500
Canada—						
Tar (crude)	210,359	234,207	210,043	221,198	231,791	(a)
Tar (refined)	20,394	24,323	23,803	18,255	19,571	12,033
Pitch	117,627	118,515	121,350	106,829	119,817	107,732
Creosote oils	55,277	65,477	52,188	48,764	45,861	57,067
Ammonium sulphate ..	34,559	38,065	31,683	37,165	34,806	(a)
Benzol	32,497	36,269	26,265	33,270	37,298	(a)
Toluol, naphthalene, etc.	7,305	9,139	8,472	10,092	10,633	(a)
India (coke-ovens)—						
Tar	90,355	86,953	70,825	78,008	76,318	111,689
Benzol	4,951	4,370	4,087	3,071	3,330	7,720
Pitch	1,554	1,200	931	861	939	1,898
Naphthalene	123	76	68	18	38	29
Ammonium sulphate ..	25,699	8,866	10,092	11,902	14,281	22,276
Australia (gas-works) (c)—						
Tar (crude)	165,205	209,218	238,550	239,019	278,729	270,762
Tar (refined)	35,371	80,505	90,896	87,796	132,891	139,535
Tar oils (crude)	16,205	17,497	18,089	22,050	(a)	(a)
Ammonia liquor	104,374	99,773	101,197	119,517	(a)	(a)
New Zealand (d)—						
Tar (gas-works)	13,616	14,455	15,034	13,017	12,888	(a)
Irish Republic (gas- works)—						
Tar	15,078	15,219	14,615	15,256	14,403	(a)
Ammonium sulphate ..	241	40	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Tar	21,845	21,419	65,703	23,586	(a)	(a)
Benzol	4,086	4,422	14,887	2,752	(a)	(a)

* See page 80 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.*)
(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
Belgium—						
Tar (crude)	210,643	189,096	187,919	214,525	244,406	248,150
Benzol, (crude)	54,539	47,741	42,797	(a)	(a)	(a)
do. motor	20,691	25,958	27,223	36,565	40,675	50,608
do. industrial	14,829	5,376	5,232	7,511	8,633	8,598
Benzene	14,597	14,408	14,928	10,098	11,834	4,869
Toluol and xylol	5,319	6,050	5,988	3,720	4,098	2,173
Solvent naphtha	689	930	957	1,193	1,535	827
Ammonium sulphate	74,516	59,879	63,900	(a)	(a)	(a)
Pitch	27,404	24,902	19,255	(a)	(a)	(a)
Denmark (<i>b</i>)—						
Tar (gas-works)	42,116	45,340	41,642	44,084	40,559	41,072
Benzol (crude)	880	695	1,084	495	405	138
Finland (gas-works)—						
Tar	4,669	4,994	5,338	(a)	(a)	5,388
Benzol	575	634	538	(a)	(a)	581
Ammonia	249	315	325	(a)	(a)	343
France—						
Tar (crude)	576,970	559,200	584,305	627,407	682,749	698,100
Ammonium sulphate	97,891	88,317	88,489	100,900	111,800	112,000
Benzol (crude)	91,337	88,031	101,135	114,198	127,542	131,100
Pitch	176,600	169,300	153,238	168,588	203,375	215,200
Phenol (crude)	7,500	7,300	8,710	(a)	(a)	(a)
Naphthalene	34,300	25,000	28,380	35,023	37,812	49,100
Germany (Federal)—						
Tar (crude)	1,539,390	1,589,428	1,585,351	1,790,397	1,874,000	d 1,661,780
Pitch	798,420	819,609	782,550	874,149	920,925	950,120
Tar oils	448,031	462,832	486,247	566,188	633,152	673,487
Naphthalene	66,538	69,435	67,240	74,725	87,417	97,687
Benzol (crude)	428,481	437,183	431,999	502,709	537,965	554,989
Refined benzols	400,413	422,003	400,420	469,409	504,241	554,115
Phenol	5,317	7,673	8,141	9,607	10,676	12,172
Cresol and xylol	10,010	13,948	18,461	18,875	18,570	20,823
Anthracene	30,251	34,846	28,815	32,685	39,749	40,619
Pyridine and bases	753	717	453	355	790	884
Italy—						
Tar	144,593	143,257	148,493	162,243	174,087	178,470
Ammonium sulphate	38,451	(c) 21,303	(c) 30,560	(c) 35,496	(c) 37,185	(a)
Benzol (crude)	23,574	25,638	28,285	32,697	34,890	39,164
Naphthalene (crude)	5,108	4,186	6,415	6,256	7,101	6,970
Distillates	72,483	72,298	48,651	51,853	52,993	45,840
Benzol (refined)	21,256	19,771	16,622	18,350	21,995	21,833
Toluol and xylol	4,775	6,193	4,651	5,756	6,437	5,800
Pitch	45,980	50,569	58,864	62,037	62,141	57,090
Solvents	4,800	5,057	(e) 1,252	(e) 1,151	(e) 943	(e) 919
Netherlands—						
Tar (crude)	152,984	143,000	148,000	166,000	(a)	(a)
Norway—						
Tar (gas-works)	6,137	6,111	6,405	6,642	5,958	(a)
Portugal (gas-works)—						
Tar (crude)	(a)	(a)	(a)	3,668	3,722	2,053
Tar (refined)	(a)	(a)	(a)	120	116	44
Creosote	(a)	(a)	(a)	1,979	1,236	1,466
Pitch	(a)	(a)	(a)	1,843	1,277	1,320

(a) Information not available.

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

(c) Gas-works only.

(d) Cokc-ovens only.

(e) Solvent naphtha only.

PRODUCTION OF COAL BY-PRODUCTS (cont.)

(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Spain—						
Tar	57,658	61,615	50,454	75,032	83,768	98,086
Pitch	10,060	10,749	15,825	18,780	16,893	23,763
Benzol	11,339	12,166	13,857	18,849	16,991	22,288
Naphthalene	2,310	2,633	2,139	1,868	3,975	4,205
Ammonium sulphate	89,325	87,604	119,947	141,811	134,523	(a)
Creosote	5,295	6,236	1,654	5,076	8,622	7,169
Sweden—						
Tar (crude)	32,759	33,240	33,470	36,754	(a)	(a)
Other tar	23,774	25,433	27,941	27,115	(a)	(a)
Pitch	886	507	596	911	(a)	(a)
Benzol, toluol, etc.	4,115	4,108	4,198	4,365	(a)	(a)
Distillates, etc.	2,437	3,468	3,681	3,884	(a)	(a)
Switzerland—						
Tar (crude) (gas-works)	25,085	25,166	25,671	26,130	(a)	(a)
Algeria—						
Tar (gas-works)	6,137	5,704	5,525	4,997	5,440	(a)
Tunis—						
Tar (gas-works)	1,250	1,284	968	192	—	—
United States—						
Coke-ovens—						
Tar (crude)	3,008,075	3,541,576	3,059,147	3,644,969	3,559,090	3,732,796
Pitch	666,388	786,759	670,608	1,002,446	915,633	825,896
Sulphate equivalent of ammonia produced (b)	795,224	933,496	792,172	933,749	870,359	905,112
Benzol	517,048	591,976	464,793	580,734	581,420	597,508
do. motor	(e)	3,118	8,944	(e)	(e)	4,931
Naphthalene (crude)	47,725	50,418	44,669	82,242	79,044	(a)
Toluol and xylol	126,197	150,211	141,632	161,763	155,483	159,407
Solvent naphtha	15,003	20,145	14,688	17,665	18,669	20,123
Creosote	156,438	148,121	105,038	123,092	127,541	(a)
Phenol	3,429	4,311	3,902	5,959	4,859	(a)
Other light products	20,630	20,325	13,576	21,150	21,334	27,050
All sources (c)—						
Coal tar	3,011,987	3,562,034	3,080,735	3,644,970	3,559,090	(a)
Water gas and oil gas tar	377,274	287,564	192,479	262,521	249,274	(a)
Crude light oil (d)	856,447	1,013,637	821,963	1,001,847	979,187	(a)
Benzol, motor	(a)	3,118	8,944	—	(a)	(a)
do. other	767,377	909,147	856,033	1,024,930	1,121,967	1,105,160
Toluol	134,827	133,049	118,627	137,556	139,941	(a)
Xylol	33,245	34,601	34,186	38,761	39,876	(a)
Solvent naphtha	15,003	50,196	72,856	86,304	80,147	(a)
Other light oil derivatives	36,923	48,857	25,683	31,843	30,650	(a)
Naphthalene (crude)	143,967	140,982	134,925	213,022	219,388	(a)
Creosote oil	550,484	576,587	466,849	514,687	525,595	(a)
Coal tar (f)	46,564	35,769	30,996	35,616	(a)	(a)
Tar, refined (g)	117,594	156,620	141,034	148,397	164,235	(a)
Tar, road	477,321	469,368	344,188	398,620	394,769	(a)
Distillate products, others	164,036	73,290	90,556	106,869	124,353	(a)
Pitch of tar	1,463,000	1,682,000	1,462,000	1,841,000	1,846,000	(a)
Pitch of tar coke	32,000	34,000	21,000	29,000	28,000	(a)

(a) Information not available.

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

1952—716,440; 1953—844,762; 1954—734,659; 1955—876,184; 1956—788,125; 1957—811,520.

(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.*)

(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mexico—						
Tar	3,715	7,450	5,516	5,879	(a)	(a)
Benzol	3,081	3,249	2,907	2,795	(a)	(a)
Creosote	5,770	7,058	6,840	6,099	(a)	(a)
Ammonium sulphate ..	3,191	3,559	3,579	3,675	(a)	(a)
Brazil (b)—						
Tar	(a)	29,813	42,514	45,774	49,862	53,000
Benzol	(a)	3,195	4,204	3,846	3,969	5,000
Toluol and xylol .. .	(a)	582	772	759	1,185	1,000
Solvent naphtha .. .	(a)	40	71	46	100	60
Naphthalene	(a)	1,185	1,651	1,832	2,087	2,184
Creosote oil	(a)	1,454	1,967	1,928	1,791	3,000
Ammonium sulphate ..	(a)	4,465	6,126	5,872	6,662	5,731
Pitch	(a)	3,450	1,605	1,908	1,491	2,000
Carbolic acid	(a)	307	293	(a)	627	(a)
Chile—						
Tar	17,397	17,788	16,394	(a)	(a)	(a)
Colombia—						
Tar	(a)	(a)	(a)	9,810	6,400	(a)
Benzol	(a)	(a)	(a)	1,718	1,848	(a)
Ammonium sulphate ..	(a)	(a)	(a)	1,295	2,000	(a)
Uruguay (gas-works)—						
Tar	2,141	2,078	2,493	1,970	2,521	2,623
Benzol	95	69	69	154	157	175
Tar oil	75	91	105	97	—	—
Pitch	239	242	255	237	—	—
Japan—						
Tar	378,561	426,276	421,433	499,985	601,307	631,813
Benzol (crude)	74,453	88,720	87,811	96,291	117,000	130,582
do. (other)	36,896	44,525	47,821	52,769	69,835	58,815
Toluol and xylol .. .	5,492	7,937	7,783	8,834	10,948	10,223
Solvent naphtha .. .	3,744	4,512	5,149	6,508	7,132	6,534
Creosote oil	94,484	130,010	132,478	138,702	150,182	164,141
Carbolic acid (crude) ..	4,559	4,736	5,232	5,941	7,275	6,862
Naphthalene (crude) ..	22,369	27,129	27,589	28,605	30,105	(a)
do. (refined)	11,303	12,436	16,145	16,310	23,385	28,564
Anthracene	3,118	4,027	4,547	4,712	4,712	(a)
Ammonium sulphate ..	77,170	88,779	87,705	99,468	114,408	(a)
Turkey—						
Coke-ovens—						
Tar (crude)	(a)	(a)	(a)	(a)	(a)	(a)
Benzol (crude)	(a)	(a)	(a)	(a)	(a)	(a)
Ammonium sulphate ..	3,270	4,417	4,169	4,205	4,086	4,323
Naphthalene (refined)	413	756	402	331	520	650
Gas-works—						
Tar	3,743	(a)	(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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Anthracite—						
smalls and graded ..	773,423	809,829	973,168	1,021,590	904,775	913,349
large	309,543	269,591	261,486	267,193	197,766	190,118
other	149,029	191,094	300,723	399,021	505,682	514,972
Bituminous—						
smalls and graded ..	4,100,898	6,354,353	6,102,549	4,931,136	2,621,772	1,801,445
unscreened	1,874,759	1,673,388	1,218,698	1,101,316	1,019,677	858,174
large	3,456,920	3,556,436	3,423,303	2,711,336	1,933,703	1,315,767
other	1,086,278	1,117,233	1,435,695	1,800,958	1,358,591	1,432,064
Bunkers	3,296,202	2,834,964	2,500,137	2,128,499	1,486,428	1,201,585
Coke, gas	507,690	568,175	646,953	643,468	775,424	923,365
do. other	887,432	858,490	897,309	1,202,944	1,579,419	1,821,322
Manufactured fuel ..	546,660	257,991	247,726	264,231	320,186	225,320
Tar	87,276	83,900	151,936	166,609	114,660	89,250
Pitch	357,515	265,765	255,186	221,163	263,843	232,625
Creosote oil	139,313	146,092	114,228	95,565	113,658	85,977
Other heavy coal-tar oils	4,106	3,331	5,610	5,047	4,012	2,097
Naphthalene	9,316	7,166	8,334	12,934	8,533	7,920
Carbolic acid	1,320	8,061	4,019	2,833	4,897	6,920
Cresylic acid	7,794	11,337	8,743	13,635	17,336	14,331
Benzol	121,793	37,639	16,341	1,094	4,859	83
Gibraltar—						
Coal (bunkers) (b) ..	70,000	41,000	31,000	35,450	29,156	34,000
Malta—						
Coal (bunkers on merchant ships) (b) ..	1,033	762	91	295	700	1,298
Kenya—						
Coal (bunkers) (b) ..	1,305	—	—	—	8	—
Mauritius—						
Coal (bunkers) (b) ..	4,786	3,193	2,508	746	63	—
Nigeria—						
Coal	1,132	4,338	} 25,595	99,976	98,393	101,761
do. (bunkers) ..	340	733				
Southern Rhodesia—						
Coal	956,091	872,657	(e) 34,448	(e) 39,787	(e) 34,554	(e) 158,319
Coke	69,024	79,179	(e) 46,439	(e) 28,451	(e) 62,188	(e) 113,784
Union of South Africa—						
Coal	831,733	1,183,483	1,111,818	652,858	623,611	626,451
do. (bunkers) ..	154,329	79,548	67,338	33,004	33,746	38,511
Coke	42,712	13,344	5,077	579	350	440
Tar and pitch	2,995	355	1,070	2,180	6,553	18,317
Canada—						
Coal	335,046	216,054	183,808	517,238	519,128	353,177
do. (bunkers) (c) ..	71,546	58,613	51,758	50,656	(a)	34,590
do. (d)	292,872	325,326	230,297	374,285	370,076	384,852
Lignite	12,239	11,870	12,037	12,031	11,378	672
Coke	270,503	145,206	96,929	99,573	111,191	102,875
Tar and pitch	3,390	4,644	4,468	1	11,961	9,642
Creosote oil	8,397	—	—	2,043	3,530	9,639
Other coal tar oils ..	13,534	12,726	6,299	5,840	7,658	8,086

*For Ammonium sulphate, etc. see Nitrogen Compounds, pages 217-218.

(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.*)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies—						
Bermuda—						
Coal (bunkers) (c) ..	(a)	800	(a)	(a)	541	360
Jamaica—						
Coal (bunkers) (c) ..	(b) 5,407	(b) 7,829	11,087	12,370	8,945	—
Trinidad and Tobago—						
Coal (bunkers) (c) ..	18,736	10,406	2,506	409	108	78
Aden—						
Coal (bunkers) (c) ..	55,528	35,219	16,347	17,756	20,341	11,661
Ceylon—						
Coal (bunkers) (c) ..	32,859	21,985	18,847	13,420	18,781	8,519
Cyprus—						
Coal (bunkers) (c) ..	295	1	130	403	823	2,458
Hong Kong (re-exports)—						
Coal	4,468	8,365	5,397	2,067	234,162	14,392
Coke	74	119	49	—	149	127
India—						
Coal (by sea)	2,488,294	1,271,399	1,255,224	723,637	915,596	} 1,591,572
do. (by land)	(e) 586,949	(e) 736,425	(e) 758,997	(e) 744,908	888,610	
do. (bunkers— domestic produce)	286,329	163,671	154,494	133,947	52,382	(a)
do. (bunkers— foreign produce) ..	515	450	—	2,534	—	(a)
Coke (by sea)	59,030	10,364	14,618	20,321	23,366	} 71,635
do. (by land)	(e) 10,100	(e) 17,834	(e) 19,065	(e) 54	54	
Tar and pitch (by land)	(e) —	(e) 187	(e) 532	1,766	2,527	274
Malaya (including re-exports)—						
Coal	357	259	377	8	31	—
do. (bunkers) (c) ..	32,593	14,549	13,657	8,871	16,389	7,476
Coke	316	185	436	222	443	449
Tar	270	167	94	77	72	151
Australia (d)—						
Coal	139,140	247,042	385,812	281,456	193,813	545,101
do. (bunkers)	54,207	42,623	31,718	25,363	38,749	9,065
Coke	1,396	17,069	28,223	21,885	66,590	129,392
Carbolic acid	651	44	36	—	—	—
Other coal tar oils	3,878	2,348	1,877	1,463	3,665	4,234
New Zealand—						
Coal	8,730	16	5	3	—	2,902
do. (bunkers)	5,975	1,649	866	646	670	—
Coke	344	21	60	54	132	517
Tar	6	3	2	—	24	3
Irish Republic—						
Coal (bunkers) (c) ..	164	238	217	606	1,684	1,301
Coal and coke	(a)	13,219	10,647	2,695	7,618	16,667
Creosote, etc.	1,142	142	1,466	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Bituminous	650	—	9	10	13	134
Brown coal	64	4,924	18,239	45,841	53,978	47,706
Coke	—	—	19	11	815	3
Tar	7,558	2,236	—	1,051	1,224	164
Naphthalene	657	1,997	3,329	4,213	4,257	4,630
Carbolic acid	1,432	1,630	263	907	866	384

(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.*)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Austria (<i>cont.</i>)—						
Light tar oils	3,942	—	79	1,820	2,876	3,685
Heavy tar oils	189	—	920	274	15	12
Pitch	5,252	4,223	35	9,608	16,985	18,087
Belgium-Luxemburg						
E.U.—						
Coal	2,390,310	3,959,456	5,364,846	7,098,717	4,475,513	3,868,304
do. (bunkers) (<i>b</i>)	27,530	14,748	21,938	24,405	18,934	14,113
Coke	840,964	724,582	789,788	667,016	839,405	742,984
Briquettes	290,201	266,886	318,669	440,572	597,477	683,954
Brown coal briquettes	20	40	48	524	—	1
Tar	332	826	1,432	4,509	3,822	4,626
Pitch	18,740	47,139	27,027	4,627	15,128	14,679
Naphthalene	11,440	11,564	11,630	13,864	13,570	13,061
Carbolic acid and cresol	4,859	433	551	785	775	9,752
Distillates	26,016	10,146	12,453	3,780	1,147	1,006
Czechoslovakia—						
Coal	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	547,000	722,000
Brown coal	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	1,253,000	1,516,000
Coke	1,328,000	1,239,000	1,115,000	1,179,000	1,236,000	1,141,000
Denmark—						
Brown coal briquettes	—	1,152	2,714	14,699	20,629	28,577
Tar and pitch	11,785	22,696	17,785	21,932	17,743	12,724
Benzol and toluol	41	78	125	96	75	53
Carbolic acid and cresol	126	40	130	148	288	111
France—						
Anthracite	3,790	1,726	1,408	21,536	20,961	17,119
Bituminous	5,491,531	7,014,838	7,352,514	12,275,078	6,758,055	5,986,792
Brown coal	1,277	1,284	2,342	11,352	1,696	871
Coke	151,621	236,926	292,217	403,682	212,631	198,999
Briquettes	54,981	30,236	20,977	38,899	34,039	21,817
Brown coal briquettes	1,236	322	448	1,524	68	132
Coal, coke and						
briquettes—						
Bunkers (domestic						
produce)	18,047	15,808	20,565	34,771	16,761	16,451
do. (foreign produce)	137,635	78,448	51,246	33,998	34,825	34,576
Tar and pitch	4,903	2,521	3,181	8,509	26,722	34,412
Benzol, etc.	18,559	15,566	718	811	1,925	17,968
Naphthalene	10,545	9,650	10,787	8,910	6,472	7,139
Carbolic acid, cresol, etc.	38	50	178	129	405	305
Carbolineum	420	354	365	435	(<i>a</i>)	(<i>a</i>)
Anthracene	203	390	259	416	624	753
Coal tar oils	22,674	12,825	17,268	6,534	32,613	21,071
Germany (Federal)—						
Coal	11,877,025	13,391,354	16,030,480	12,201,196	11,766,314	12,510,339
do. (bunkers) (<i>b</i>)	359,454	189,965	200,790	208,173	257,760	240,402
Brown coal	—	669	77,722	18,283	8,715	13,166
Coke	10,474,924	8,959,411	9,530,177	11,088,838	10,790,982	9,892,048
Coal briquettes	262,915	363,053	502,986	568,304	617,437	608,294
Brown-coal briquettes	1,465,537	1,518,457	1,585,502	1,626,694	1,605,905	1,639,501
Tar and pitch	164,052	129,570	145,707	82,235	82,657	110,591
Naphthalene	20,774	26,688	22,234	19,992	22,552	20,812
Carbolic acid	(<i>c</i>) 2,391	2,068	2,564	3,769	7,145	11,162
Cresol	(<i>c</i>) 643	1,838	3,301	2,505	2,763	3,126
Light coal-tar oils, etc.	2,405	15,769	9,582	19,756	56,211	60,886
Heavy coal-tar oils, etc.	106,219	114,612	36,717	34,268	27,872	38,232

(*a*) Information not available.

(*c*) April to December only.

(*b*) Bunkers for foreign ships only.

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

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (East)—						
Coal	—	12,795	144,615	18,453	10,612	15,196
Coke	32,577	27,066	22,400	39,626	54,333	79,796
Brown coal briquettes ..	2,502,000	2,900,000	4,032,000	5,137,000	4,392,000	4,678,000
Hungary—						
Coal	208,000	421,000	687,000	519,000	213,000	31,000
Italy—						
Coal (incl. bunkers) ..	3,799	2,624	3,124	5,018	10,173	9,471
Coke	222,635	101,104	51,735	71,061	104,038	101,357
Tar and tar oils	4	762	11,075	7,206	521	3,063
Pitch	21,714	17,922	15,410	35,685	29,757	17,738
Naphthalene	3	149	24	140	17	20
Anthracene	—	5	59	20	571	668
Netherlands—						
Coal	16,053	291,107	1,034,588	902,125	938,565	972,327
do. (bunkers) (b) ..	261,980	195,136	170,829	238,388	194,382	160,724
Brown coal	11,306	1,681	1,496	10,892	43,910	62,729
Coke	1,376,333	1,260,529	1,514,049	1,901,942	2,016,468	2,016,521
Briquettes	241	17,981	107,041	180,151	203,925	305,017
Brown coal briquettes ..	25,830	59,217	45,253	33,635	30,418	29,627
Tar	467	305	1,614	3,242	6,304	1,692
Pitch	3,745	7,019	8,761	18,131	10,750	22,923
Creosote oil	36,881	31,875	25,673	31,131	26,348	29,391
Naphthalene	5,201	11,170	8,998	12,228	11,402	9,453
Anthracene	3,386	3,296	2,920	3,588	5,135	4,891
Carbolic acid etc. ..	1,537	2,638	1,570	1,386	2,733	3,994
Benzol	14,664	21,097	21,347	18,973	26,973	29,667
Toluol and xylol	1,690	124	62	318	811	54
Carbolineum	(a)	594	756	529	545	357
Solvent naphtha	380	336	383	688	555	318
Norway—						
Tar	1,441	781	3,022	1,757	2,360	1,464
Pitch	356	615	253	94	75	65
Poland—						
Coal	(a)	23,852,000	23,852,000	23,765,000	18,884,000	13,146,000
Coke	(a)	1,792,000	1,897,000	2,205,000	2,247,000	1,895,000
Portugal—						
Coal	476	302	2,046	6,411	138	96
do. (bunkers) (c) ..	2,835	1,966	760	2,131	2,261	2,365
Tar and pitch	172	101	60	90	75	75
Spain—						
Anthracite	20,237	7,107	3	70,947	51,009	18,951
Bituminous (incl. bunkers) ..	88,680	46,401	44,259	68,171	138,569	110,470
Other coal	18	6,471	7,026	13,404	13,265	15,596
Coke	484	1,123	329	2,867	103,437	80,249
Briquettes	261	1,016	200	—	—	—
Carbolic acid, naphthalene, etc. ..	82	1	31	213	147	30
Tar and pitch	11	1	—	9	3	1
Spitzbergen—						
Coal (including bunkers)	702,654	656,182	605,713	433,564	680,782	(a)
Sweden—						
Coal	47	57	3,652	993	—	30
Coke	452	30,315	52,709	28,355	24,115	12,024
Tar, pitch, etc.	9,921	6,356	5,789	13,038	7,249	6,530
Benzol	372	803	1,078	511	193	203
Carbolic acid, etc. ..	6	56	10	1	—	248
Toluol and xylol	1,705	1,093	699	373	911	939
Other benzol oils	27	936	254	1,090	1,097	1,141
Naphthalene	483	683	734	707	511	736

(a) Information not available.

(b) Including imported coal.

(c) Bunkers for foreign ships.

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

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
(cont.)						
Switzerland—						
Coal	1	2,783	562	13,007	2,439	2,890
Coke	788	2,230	6,225	7,619	7,495	2,371
Briquettes	1,107	219	202	10,981	5,257	1,082
Tar and pitch (c)	2,176	4,517	1,302	410	855	396
Creosote, etc.	—	679	92	22	208	20
Naphthalene, etc.	733	1,421	2,486	2,122	2,277	2,067
U.S.S.R.—						
Anthracite	(a)	(a)	(a)	1,414,700	1,562,700	1,747,300
Other coal (d)				2,829,900	4,020,400	6,886,500
Coke (d)				1,591,200	1,933,500	2,161,300
Benzol				86,300	136,900	162,300
Toluol				6,200	18,000	13,700
Creosote oil				43,100	45,800	56,900
Naphthalene				28,000	28,900	36,000
Pitch	170,500	229,200	203,100			
Yugoslavia—						
Bituminous	60,169	90,823	87,303	38,920	51,783	29,686
Brown coal	93,237	49,034	64,712	78,484	84,927	92,985
Lignite	509	3,778	33,227	—	—	10,451
Briquettes	(a)	(a)	1,477	374	—	—
Pitch	(a)	(a)	147	113	93	7,463
Tar	311	6,938	8,474	6,604	17,477	19,294
Algeria—						
Coal	73,318	89,756	55,059	35,430	(e) 31,747	(e) 18,379
do. (bunkers)	214	86	14	139	65	59
do. do. (b)	64,218	37,896	—	25,544	11,570	13,174
Coke	64	285	12	—	1,639	1,709
Briquettes (bunkers)	75	24	38	69	(a)	(a)
Tar	407	346	242	255	18	6
Canary Islands—						
Coal	15	81	84	137	18	68
do. (bunkers) (b)	30,378	11,927	1,825	—	—	—
Cape Verde Islands—						
Coal (bunkers) (b)	10,076	4,205	3,272	2,383	5,167	1,169
Ceuta—						
Coal	2,813	2,190	5,842	844	855	868
do. (bunkers) (b)	60,279	43,497	32,411	18,962	14,952	4,177
Egypt—						
Coal (bunkers for foreign ships) (b)	7,596	2,355	(a)	(a)	(a)	(a)
Coke	—	1	—	—	(a)	(a)
Tar and Pitch	108	—	(a)	(a)	(a)	(a)
Madagascar—						
Coal (bunkers)	—	—	719	90	49	108
Morocco (Southern)—						
Anthracite	195,963	171,991	199,149	281,599	210,395	251,672
Other coal	—	900	1,213	8,761	23	11,277
Briquettes	18,932	2,371	2,858	2,940	3,881	(a)
Mozambique—						
Coal (incl. bunkers)	27,565	63,217	45,183	23,382	36,141	35,149
Mexico—						
Coal and coke	211	1	2	1	200	—
Tar	440	—	11	23	—	41

(a) Information not available.

(b) Foreign coal (see imports).

(c) Including pitch from petroleum.

(d) May include some foreign produce.

(e) Including briquettes.

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

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States—						
Anthracite	4,100,054	2,432,404	2,545,749	2,814,565	4,682,454	3,867,665
Bituminous	42,538,527	30,143,092	27,714,789	45,783,264	61,202,045	68,162,779
do. (bunkers)	645,868	540,196	381,314	397,148	445,514	395,000
Coke	707,259	464,511	346,049	473,665	585,462	734,146
Briquettes	118,559	91,888	88,311	94,905	95,939	77,200
Tar and pitch	70,182	58,281	38,474	44,796	51,077	51,925
Benzol	666	4,130	19,533	8,193	9,056	8,975
Creosote	3,702	2,405	3,300	2,165	5,058	7,458
Toluol	—	11,844	68,248	37,518	28,152	79,017
Carbolic acid	9,951	6,768	20,178	16,385	18,627	8,043
Chile—						
Coal (including bunkers)	69	20	18,000	64,000	49,000	61,000
Coke	18,232	110	8,858	2,432	(a)	(a)
Peru—						
Coal	40,675	35,126	18,439	300	5,021	26,329
Venezuela—						
Coal	246	474	1,053	—	(a)	(a)
Formosa—						
Coal (including bunkers)	12,703	207,198	100,630	46,473	105,020	29,753
Indo-China—						
Coal (including bunkers)	209,612	301,210	453,522	(d)	(d)	(d)
Indonesia—						
Coal (including bunkers)	106,493	133,678	85,529	46,755	11,365	40,417
Japan—						
Coal	463,439	477,531	315,677	373,325	540,963	118,425
do. (bunkers)	293,827	161,912	100,134	128,966	98,590	36,268
Coke	1,449	713	1,293	37,282	16,193	2,160
Benzol	6,666	173	608	18	7	10
Naphthalene	1,278	695	1,643	365	83	231
Tar and pitch	20,839	9,050	5,020	3,105	18,053	12,608
Korea (South)—						
Coal	4,641	51,448	5	32,827	2	—
Lebanon—						
Coal	567	626	1,873	2,349	1,401	1,937
Coke	573	905	722	885	888	998
Briquettes	1,847	2,411	1,983	1,516	3,002	1,776
Turkey—						
Coal	130,742	7,177	—	—	—	—
Vietnam—						
Coal	(b)	(b)	(b)	(c) 163,799	(c) —	(c) 411

(a) Information not available.

(b) See under Indo-China.

(c) South Vietnam only.

(d) See under Vietnam.

IMPORTS OF COAL, COKE AND BY-PRODUCTS*

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Coal	319,552	550,715	2,949,350	11,320,301	5,462,311	2,828,385
Coke	19,223	—	8	608	1,404	914
Manufactured fuel	135	310	1	34	17	—
Tar and pitch	2,021	3,164	3,813	4,462	4,419	(a)
Benzol	—	—	918	3,302	2,669	91
Cresylic acid	168	2	812	1,269	209	8
Naphthalene	4	1,258	6,109	66	(d) 14	22
Carbolic acid	2,722	56	725	5	—	—
Channel Islands—						
Anthracite	91,672	113,294	109,609	101,724	130,728	103,954
Bituminous	144,125	155,519	172,146	192,647	181,093	164,867
Coke	21,306	14,938	21,535	13,799	6,062	(d) 1,930
Creosote	21	20	22	23	22	21
Gibraltar—						
Coal and coke (b)	78,505	48,274	33,711	39,772	30,947	36,000
Malta—						
Coal (c)	12,085	11,264	23,079	17,584	6,652	6,758
Coke	568	—	317	218	132	271
Gambia—						
Coal, coke and patent fuel	—	5	105	2	—	3
Tar and pitch	4	5	47	2	12	284
Ghana—						
Coal	147,060	97,108	106,951	121,261	86,606	109,295
Coke	648	332				
Patent fuel	—	180	(f) 1,207	(f) 2,368	(f) 1,300	(f) 1,390
Tar and pitch	2,845	1,622				
Kenya—						
Coal (c)	26,225	12,181	19,575	24,629	42,535	32,244
Coke	2,079	1,581	3,995	571	2,373	2,961
Tar	41	—	10	26	33	20
Tar oils	26	40	202	560	830	1,160
Mauritius—						
Coal (c)	26,659	27,557	26,497	8,846	19,070	16,982
Coke	362	129	286	295	424	381
Tar	502	174	12	23	51	15
Nigeria—						
Coal	26,356	26,041	(d) 1,203	(d) 263	1,094	835
Coke	364	1,165				
Patent fuel	2	1	(f) 550	(f) 699	(f) 525	(f) 601
Tar and pitch	2,160	1,655				
Northern Rhodesia—						
Coal	756,379	795,439	(e)	(e)	(e)	(e)
Coke	12,839	14,396				
Tar and creosote oil	42	58	(e)	(e)	(e)	(e)
Tar and pitch	737	491				
Nyasaland—						
Coal	30,860	36,362	(e)	(e)	(e)	(e)
Coke	400	250				
Tar and pitch	1,009	2,961				

*For ammonium sulphate, etc., see Nitrogen Compounds, pages 219–225.

(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.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES (cont.)						
St. Helena—						
Coal	20	60	43	44	204	(a)
Sierra Leone—						
Coal	—	—	} 15,900	30,278	23,690	25,913
Coke	4	4				
Briquettes	40,562	32,690				
Tar and pitch	666	425	(b) 128	(b) 231	(b) 152	(b) 1,634
Southern Rhodesia—						
Coal	6,347	8,262	(c) 134,845	(c) 70,993	(c) 86,605	(c) 51,789
Coke	440	563	(c) 571	(c) —	(c) —	(c) —
Tar and pitch	1,564	(b) 35	(b) (c) 67	(b) (c) 52	(b) (c) 243	(b) (c) 100
South West Africa—						
Coal	41,269	68,233	66,457	(e)	(e)	(e)
Coke	54	42	31	(e)	(e)	(e)
Tanganyika—						
Coal	71,662	56,842	51,611	5,129	4,456	234
Coke	12	445	994	124	866	628
Tar	31	34	13	25	13	33
Tar oils	31	5	128	51	79	63
Uganda—						
Coal	16	8	88	26	22	33
Coke	132	143	62	260	223	139
Tar	14	52	72	413	161	311
Tar oils	6	18	106	672	410	400
Union of South Africa—						
Coal	82,815	28,356	1,508	(f) 94,806	(f) 40,163	(f) 49,820
Coke	2	9	9	(f) 5	(f) 13	(f) 26
Naphthalene	21	52	33	(f) 20	(f) 41	(f) 43
Tar and creosote	3,852	1,713	1,915	(f) 2,855	(f) 4,212	(f) 2,086
Zanzibar—						
Coal	5,552	5,308	1,950	2,001	657	288
Canada—						
Anthracite	3,476,922	2,667,778	2,456,118	2,348,655	2,244,410	1,712,300
do. dust	634	1,021	3,598	14,294	28,471	6,894
Bituminous	18,483,427	17,775,246	13,895,438	14,888,103	17,545,823	15,283,528
do. (d)	292,872	325,326	230,297	374,285	370,076	384,852
Brown coal	6,685	2,734	2,521	1,382	1,732	1,934
Briquettes	138,926	114,887	114,431	110,907	113,146	65,452
Coke	480,632	324,669	228,669	315,308	445,328	579,790
Cresylic acid	224	263	170	278	197	192
Benzol	134	2,434	7,787	7,267	9,284	8,804
Tar	22,024	28,828	4,421	9,310	2,726	6,083
Pitch	29,626	39,287	47,798	66,780	68,284	62,027
Naphthalene	814	844	909	1,434	1,350	1,328
Carbolic acid, etc.	17,876	29,484	27,330	19,837	19,610	21,782
British Guiana—						
Coal	1,894	1,898	2,584	1,273	350	568
Coke	141	—	76	86	83	77
Patent fuel	3,000	1,014	27	78	51	24
Tar and pitch	281	244	(b) 252	(a)	(b) 352	(b) 400
British West Indies—						
Bahamas—						
Coal	10	2	1	4	11	—
Barbados—						
Coal, coke, and patent fuel	1,105	878	1,131	1,255	957	1,048
Tar and pitch	(a)	(a)	(a)	(a)	(a)	2,130

(a) Information not available.

(b) Tar only.

(c) Federation of Rhodesia and Nyasaland.

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

(e) Included with Union of South Africa.

(f) Including South West Africa.

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

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957		
BRITISH COUNTRIES								
<i>(cont.)</i>								
British West Indies								
<i>(cont.)—</i>								
Bermuda—								
Bituminous (c) ..	2,480	1,588	648	838	2,025	1,042		
Grenada—								
Coal	—	—	1	—	1	(a)		
Coke	10	7	3	3	1	(a)		
Jamaica—								
Coal (c)	9,657	16,166	8,054	16,661	5,348	984		
Coke	353	377	531	762	635	915		
Tar and pitch ..	48	139	(b) 30	(b) 72	(b) 68	(b) 44		
Leeward Islands—								
Coal, coke and patent fuel	1,397	1,570	8	1,404	3,454	(a)		
St. Lucia—								
Coal	25	52	42	1	34	57		
Tar	5	8	4	5	1	2		
St. Vincent—								
Coal	13	11	4	4	9	(a)		
Trinidad and Tobago—								
Coal (c)	13,924	13,767	1,080	1,841	(d) 177	1,066		
Coke	236	68	227	199	71	65		
British Honduras—								
Coal and coke ..	22	19	22	60	32	(a)		
Tar and pitch ..	6	2	(b) 14	(b) 4	(a)	(a)		
Falkland Islands—								
Coal	779	521	917	421	516	6		
Coke	—	91	116	42	827	173		
Aden—								
Coal (c)	67,677	40,375	21,649	28,290	25,048	13,747		
Coke	56	2,607	56	—	(d) 3	24		
Naphthalene ..	413	145	157	—	—	—		
Ceylon—								
Coal (c)	370,552	383,139	284,390	184,287	143,811	276,572		
Coke	723	934	1,099	4,857	3,843	2,459		
Tar and pitch ..	55	152	108	(b) 53	(b) 73	(b) 98		
Cyprus—								
Coal (c)	3,235	1,641	1,788	501	2,828	822		
Coke	435	454	445	822	1,460	407		
Briquettes ..	187	169	540	—	—	—		
Tar and pitch ..	15	5	21	14	15	3		
Hong Kong (e)—								
Coal	305,594	206,883	204,619	246,280	435,661	246,108		
Coke	2,608	2,558	1,638	3,860	7,264	5,715		
India—								
Coal	423	31	1	160	405	507		
Coke	—	—	2,000	2,000	1,982	123		
Tar and pitch ..	149	338	431	314	352	5,674		
Naphthalene ..	19	—	2	—	257	—		
Carbolic acid ..	130	242	280	384	562	816		
Malaya (e)—								
Anthracite	} 176,882	{ 9,319	15,793	25,594	19,302	18,634		
Bituminous (c) ..			78,007	49,419	41,569	60,728	70,871	
Coke			3,050	2,221	4,334	4,577	5,536	4,376
Tar and pitch ..			445	561	(b) 400	(b) 413	(b) 320	(b) 230

(a) Information not available.

(b) Tar only.

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

(d) Excess of re-exports.

(e) Total imports.

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

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Pakistan—						
Coal and coke	1,667,000	1,192,000	1,101,000	1,063,000	1,328,000	1,316,000
Tar and pitch	(b) 657	(b) 2,356	(b) 2,190	(b) 729	103	4,484
Naphthalene	(b) 798	(b) 122	(b) 87	(b) 57	509	166
Australia (e)—						
Coal	285,409	136,844	2,051	(c) 4,776	4,117	6,191
Coke	6,508	685	10,981	5,900	3,444	8,201
Naphthalene	74	6	17	813	854	1,493
Toluol	12	70	204	3,231	61	26
Cresylic acid	193	12	239	526	120	226
Carbolic acid	1	—	14	50	1	—
Tar oils	147	56	36	166	122	53
Tar and pitch	19	1,363	1,495	114	82	4,770
Fiji—						
Coal	22,889	18,291	21,240	17,629	15,692	6,098
Coke	540	300	415	227	315	165
Tar	(f) 1,343	(f) 843	(f) 470	24	169	22
New Guinea (e)—						
Coal and coke	425	174	967	(£2,236)	35	56
New Zealand—						
Coal	1,345	101	77	7,129	12,209	12,370
Coke	3,821	781	194	254	310	293
Tar	547	428	3,999	4,045	10,610	8,659
Pitch	1,595	539	713	1,158	942	1,540
Naphtha, benzol, toluol, etc.	246	235	315	1,165	541	1,103
Naphthalene	103	186	47	28	82	19
Creosote	1,786	1,024	1,907	2,433	1,968	1,837
Carbolic acid	(c) 18	3	22	15	5	4
North Borneo—						
Coal and coke	121	28	93	79	294	53
Papua (e)—						
Coal and coke	529	161	175	650	62	49
Sarawak—						
Coal and coke	16	4	9	15	20	14
Tar	754	114	65	96	108	138
Western Samoa—						
Coal and coke	9	19	7	9	98	(a)
Irish Republic—						
Anthracite	65,126	39,036	50,230	70,535	56,617	41,953
Bituminous (d)	1,632,220	1,601,944	1,658,811	1,730,787	1,356,181	1,159,680
Coke	19,020	15,128	17,398	26,296	16,718	14,399
Patent fuel	95,946	84,886	76,128	80,832	58,555	33,731
Tar	13,561	11,664	14,485	12,511	14,972	16,724
Creosote, etc.	4,481	6,594	7,084	7,479	6,158	6,681
Tar and bitumen mix- ture	18,613	49,849	57,185	55,576	67,293	68,066
Benzol	19	(a)	(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.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
Austria—						
Coal	3,699,899	3,376,640	3,807,761	4,039,900	4,314,199	4,489,481
Brown coal	356,956	208,489	193,089	188,629	237,415	305,424
Coke	250,828	274,926	343,138	412,754	430,510	529,579
Briquettes	646,110	578,740	516,477	554,497	553,694	601,742
Light coal-tar oils	73	80	1,760	856	1,379	975
Heavy coal-tar oils	235	2,599	3,788	629	720	859
Carbolic acid	604	688	1,024	1,302	1,268	1,094
Naphthalene	92	282	1,087	1,173	525	374
Tar, pitch, etc.	4,357	5,828	3,267	3,239	5,045	5,341
Belgium-Luxemburg						
E.U.—						
Coal	1,973,699	2,393,722	3,938,049	3,809,594	5,041,838	5,484,679
do. coke	3,168,959	2,977,215	3,068,752	3,597,422	3,660,885	3,859,965
do. briquettes	2,083	9,295	34,525	45,028	74,599	93,377
Brown coal	136	1,914	1,461	392	415	2,027
do. do. coke	86	132	117	130	232	369
do. do. briquettes	216,334	207,797	228,175	243,552	232,906	247,855
Tar	10,937	20,341	14,961	12,065	13,900	12,637
Naphthalene	4,553	6,303	6,223	7,663	4,524	4,801
Carbolic acid and cresol	429	754	1,666	1,475	1,346	1,488
Distillates	407	922	3,206	8,594	12,855	12,813
Pitch	90,539	51,721	68,996	46,115	72,667	69,248
Czechoslovakia—						
Coal	(a)	(a)	(a)	(a)	3,396,000	2,215,000
Denmark—						
Coal	4,025,661	4,148,703	4,311,339	5,015,661	3,280,582	3,087,659
Coke (b)	1,779,713	1,894,241	2,128,835	2,247,427	2,195,050	1,277,188
Briquettes	83,514	14,369	18,625	25,038	24,234	17,111
Brown coal briquettes	221,576	113,828	190,488	231,534	176,929	119,420
Tar	43	32	601	—	8	66
Pitch	167	262	192	139	149	242
Naphthalene	626	455	829	854	754	671
Benzol	896	1,237	1,375	1,362	3,477	3,224
Toluol	954	1,561	1,845	2,038	2,178	2,296
Carbolic acid and cresol	420	458	1,279	1,453	1,345	1,351
Faroe Islands—						
Coal	5,914	6,920	7,175	7,136	4,108	(a)
Finland—						
Anthracite	12,849	120,567	95,320	132,111	160,492	192,688
Other coal	2,206,097	1,675,007	1,670,143	2,043,644	1,963,870	2,365,443
Coke	341,362	198,031	472,157	424,343	507,118	452,949
Tar	4,095	3,140	501	512	—	142
Carbolic acid, creosote and cresol	3,684	2,688	6,145	8,045	6,535	6,498
Naphthalene	44	55	38	32	15	49
Benzol	87	1	2	2	2	5
Carbolineum	206	168	87	—	—	292
France—						
Anthracite	1,257,824	722,202	1,573,722	1,691,432	2,126,937	2,442,415
Bituminous	9,006,031	6,279,061	6,307,846	6,287,565	11,224,544	12,928,824
Lignite	226	—	—	377	1,831	1,395
Coke	4,229,711	3,504,521	3,127,826	4,625,563	4,637,778	5,006,125
Coal briquettes	140,744	282,902	435,120	456,207	472,677	864,146
Brown-coal briquettes	390,834	496,835	465,324	576,813	538,819	569,499
Tar and pitch	466,023	453,679	463,272	395,913	373,059	419,877
Naphthalene	—	1,524	1,633	1,983	3,254	1,810
Carbolic acid, cresol, etc.	1,802	1,408	1,961	4,717	2,215	3,345
Anthracene	328	707	2,433	2,072	1,733	3,071
Benzol, etc.	8,396	3,432	23,547	15,887	18,952	14,982
Coal-tar oils	95	388	705	2,009	651	242

(a) Information not available.

(b) Revised.

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

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Coal	11,605,594	9,310,007	8,222,897	15,640,814	18,131,033	21,087,887
Brown coal	586,230	585,233	686,201	890,165	990,743	937,762
Coke	430,798	317,848	361,543	523,523	793,122	476,825
Coal briquettes	—	—	32,145	106,697	303,966	163,772
Brown-coal briquettes	19,438	48,579	34,943	26,115	18,886	20,884
Tar and pitch	17,352	30,818	19,865	56,815	143,642	59,221
Naphthalene	484	867	5,320	3,805	3,590	2,362
Carbolic acid	(c) 2,528	7,285	12,310	10,033	9,005	9,127
Cresol	(c) 309	882	1,675	4,033	4,884	4,874
Light coal-tar oils, etc.	29,783	37,708	130,565	87,673	74,716	135,636
Heavy coal-tar oils, etc.	2,690	522	2,761	7,553	9,881	4,040
Germany (East)—						
Coal	3,878,000	5,985,000	6,402,000	6,238,000	5,552,000	5,662,000
Brown coal	3,945,000	4,142,000	4,325,000	4,070,000	4,503,000	4,084,000
Coke	1,887,000	2,028,000	2,563,000	2,572,000	2,235,000	2,647,000
Greece—						
Coal	273,160	264,460	233,502	301,728	214,589	254,649
Coke	14,067	13,640	16,035	16,100	17,201	22,723
Naphthalene	511	1,036	1,122	105	659	467
Benzol	114	135	140	(a)	228	381
Tar	367	315	308	(a)	385	302
Hungary—						
Coal	635,000	775,000	914,000	780,000	828,000	2,344,000
Coke	770,000	872,000	1,071,000	1,184,000	1,037,000	1,081,000
Iceland—						
Coal	59,127	47,450	42,783	60,364	42,017	33,291
Coke	1,908	1,062	1,307	2,034	3,321	1,499
Tar	105	42	71	76	102	120
Italy—						
Anthracite	590,618	594,523	669,225	1,049,636	1,002,693	1,136,451
Bituminous	8,522,315	8,352,197	8,096,861	8,904,990	9,344,070	9,834,746
Lignite	49,142	74,098	60,733	31,446	31,072	21,128
Coke	41,260	35,554	48,632	56,663	26,263	110,684
Briquettes	60,604	104,069	168,559	181,054	242,687	262,450
Tar and tar oils	1,165	3,891	89	1,167	2,632	6,604
Pitch	50	46	1,142	940	244	480
Benzol	5,804	7,570	13,632	13,166	14,846	19,151
Toluol and xylol	6,822	5,378	11,906	10,519	15,964	19,307
Naphthalene	7,115	6,453	12,944	18,012	18,648	20,407
Anthracene	296	—	50	503	334	107
Carbolic acid, cresol, etc.	413	777	907	2,249	2,561	3,713
Netherlands—						
Coal (b)	5,402,839	5,231,061	7,066,395	7,709,628	8,556,655	8,692,925
Brown coal	—	414	76,495	13,086	—	—
Coke	189,916	305,153	354,193	428,530	429,761	492,656
Briquettes	287,959	256,238	284,258	482,509	449,439	317,905
Brown-coal briquettes	228,387	230,756	283,952	306,163	304,923	300,756
Tar	6,048	19,493	13,132	20,322	18,089	16,164
Pitch	7,441	343	5,591	9,883	13,857	14,822
Creosote oil	5,774	5,416	3,630	2,641	2,132	5,026
Naphthalene	1,904	5,687	5,172	3,311	2,605	2,508
Carbolic acid etc.	1,832	4,106	5,921	6,790	10,861	12,690
Benzol	108	1,821	5,186	171	328	231
Toluol and xylol	17	659	3,098	1,836	1,356	1,821
Carbolineum	204	262	1,202	1,131	1,028	892
Solvent naphtha	289	548	689	480	841	1,110

(a) Information not available.

(b) Of which the amounts imported for bunkering purposes were (long tons): 1952, 33,684; 1953, 179,798; 1954, 163,033; 1955, 226,039; 1956, 175,049; 1957, 143,413.

(c) April to December only.

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

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Norway—						
Coal	1,031,877	(c) 754,861	(c) 608,264	(c) 681,439	(c) 616,279	(c) 518,587
Coke	280,097	298,358	299,766	456,902	718,685	549,093
Briquettes	(a)	12,166	5,741	9,195	19,157	378
Tar and pitch, etc.	12,368	13,053	13,439	10,239	6,475	7,195
Benzol	72	102	89	75	128	95
Toluol and xylol	1,881	1,692	3,606	3,361	2,982	3,386
Pitch coke	2	306	246	295	2,067	2,626
Creosote, etc.	9,736	8,535	10,632	9,276	5,492	9,387
Portugal—						
Anthracite	14,774	16,772	8,677	15,908	12,700	15,251
Other coal	420,127	526,883	429,454	461,305	435,287	508,863
Coke	21,889	22,304	20,020	20,306	19,116	22,218
Briquettes	79	5,262	3,328	6,315	5,078	3,103
Tar and pitch	3,663	5,813	6,576	7,330	8,683	6,295
Carbolic acid	42	16	32	40	36	88
Creosote oil	1,253	1,661	881	109	1,504	1,741
Carbolineum	174	254	7	7	5	5
Naphthalene	110	132	94	98	160	117
Spain—						
Anthracite	276	70	8	985	—	26
Bituminous	712,920	769,337	693,065	504,697	324,642	615,683
Coke	131,577	215,849	124,497	109,393	3,518	2
Briquettes	50,140	11,758	17,604	—	—	—
Tar and pitch	54,526	65,026	59,053	62,450	88,951	62,281
Benzol, toluol, xylol, etc.	2,993	762	549	618	961	1,028
Sweden—						
Anthracite	29,235	44,855	39,018	46,241	73,495	61,121
Other coal	4,736,000	3,550,000	2,937,000	3,093,000	2,463,000	2,630,000
Coke	2,581,000	1,982,000	1,975,000	2,473,000	2,789,000	2,368,000
Briquettes	541,422	171,672	157,404	162,475	104,975	36,353
Tar, pitch, etc.	12,557	5,934	8,853	11,667	10,979	9,940
Benzol	1,571	1	—	21	27	12
Toluol and xylol	7,089	9,601	12,223	8,001	11,427	12,351
Other benzol oils	267	364	319	757	633	1,405
Carbolic acid, etc.	2,017	2,407	3,480	3,347	4,018	3,723
Naphthalene	3,779	2,565	3,157	3,507	3,487	4,287
Switzerland—						
Coal	1,867,741	1,420,311	1,799,584	1,802,640	2,215,745	2,383,739
Lignite	770	438	901	562	754	786
Coke	635,620	592,420	651,264	621,744	717,521	723,164
Briquettes	256,718	294,642	300,155	320,527	336,766	321,514
Tar and pitch (b)	47,101	76,896	84,140	78,024	84,735	80,570
Creosote, etc.	1,345	522	535	2,175	1,462	3,328
Naphthalene, etc.	9,369	13,349	21,789	18,158	21,620	23,832
U.S.S.R. (d)—						
Coal	(a)	(a)	(a)	8,526,700	6,289,400	3,369,100
Coke	(a)	(a)	(a)	443,300	591,400	365,100
Yugoslavia—						
Anthracite	69,468	49,925	60,546	67,191	96,487	107,104
Other coal	64,533	391,127	546,436	920,139	1,303,509	1,594,481
Coke	446,041	230,525	213,772	94,102	42,779	19,532
Coke dust	12,432	6,057	981	21,732	133	—
Tar and pitch	1,631	233	78	497	394	642
Benzol, toluol, etc.	2,010	1,199	1,395	1,594	2,452	2,221
Naphthalene	372	353	313	292	433	670

(a) Information not available.

(b) Including pitch from petroleum.

(c) Excluding coal imported from Spitzbergen.

(d) Total imports.

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

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Algeria—						
Coal	473,945	225,748	267,312	307,528	296,135	483,250
Coke	—	986	116	95	111	253
Briquettes	2,154	2,186	2,990	3,793	4,083	4,568
Tar and pitch	6,326	4,836	3,477	997	1,417	4,514
Benzol, toluol, etc.	333	243	417	362	337	441
Naphthalene	75	70	75	95	76	87
Heavy oils	94	123	14	5	15	42
Angola—						
Coal	36,344	23,260	25,360	29,169	14,155	27,443
Coke	2,467	2,599	2,773	1,618	1,547	4,558
Belgian Congo—						
Coal	183,871	130,365	118,243	166,455	127,507	135,480
Coke	62,747	73,864	74,784	97,101	105,479	108,969
Briquettes	6,238	246	25,008	27,170	46	1
Benzol, toluol, etc.	(a)	113	217	135	334	129
Carbolineum	(a)	338	348	218	438	324
Pitch	(a)	85	103	324	244	361
Tar	621	348	726	305	795	208
Cameroon (French)—						
Coal, coke, etc.	23,143	8,811	48	232	568	997
Canary Islands—						
Coal	58,256	45,870	35,442	21,928	21,515	28,590
Cape Verde Islands—						
Coal (b)	17,193	2,110	6,901	8,317	—	21
Ceuta—						
Coal (b)	68,974	111,134	93,574	38,090	34,012	23,407
Egypt—						
Coal	185,854	69,526	118,162	99,665	(a)	(a)
Coke	7,962	5,637	13,190	9,009	(a)	(a)
Briquettes	6,980	2,302	6,030	591	(a)	(a)
Tar and pitch	61	5	105	95	(a)	(a)
Naphthalene	109	117	42	132	(a)	(a)
Coal-tar residues	7	2	12	10	(a)	(a)
Ethiopia (c)—						
Coal	3,452	3,233	13,888	11,064	10,644	92
Naphthalene	184	201	152	88	136	158
French Equatorial Africa—						
Coal, coke, briquettes	10,302	3,505	1,083	2,981	64	152
French Somaliland—						
Coal	10,895	10,574	—	709	305	(a)
French Togoland—						
Coal and briquettes	752	393	855	41	107	7
French West Africa—						
Coal	155,332	21,428	15,961	167	3,179	479
Briquettes		30,955	44,321	28,815	31,900	99
Coke		—	845	684	838	476
Madagascar—						
Coal	40,191	8,973	13,333	5,150	541	4,226
Coke	41	126	2,012	74	29	101
Briquettes	9,615	8,584	3,008	4,295	3,245	(a)
Tar and pitch	94	163	153	139	128	140
Melilla—						
Coal	23,235	17,558	16,991	17,073	17,908	22,457
Morocco (Southern)—						
Coal	88,956	111,996	122,670	99,208	88,249	70,045
Coke	5,693	6,231	7,950	12,268	4,317	6,773
Tar	6,760	4,818	3,337	6,147	3,543	25
Pitch	1,147	1,043	947	1,212	1,143	704

(a) Information not available.

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

(c) Years ended September 10 of that stated.

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

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Morocco (Northern)—						
Anthracite	3,954	2,592	2,929	4,043	3,266	(a)
Other coal	7,224	5,328	4,388	4,398	5,124	(a)
Coke	12	500	431	384	393	(a)
Mozambique—						
Coal	221,409	206,252	221,661	238,392	257,005	272,084
Coke	464	479	627	774	573	660
Tar, pitch and asphalt ..	2,810	1,712	3,451	3,176	3,893	5,242
Naphthalene	1	6	13	1	16	31
Reunion—						
Coal and briquettes ..	16,380	118	5,359	344	193	254
Sudan—						
Coal	45,552	66,764	27,774	46,396	27,017	32,227
Coke	2,125	490	(c) 15	2,594	—	(a)
Tar	35	19	—	10	46	(a)
Tar oils	928	620	495	701	1,041	(a)
Tunis—						
Coal	165,050	71,666	59,226	36,358	33,902	76,622
Coke	(a)	10,713	11,121	9,425	13,239	10,635
Briquettes	(a)	874	(a)	(a)		
Tar and pitch	(a)	31	765	756	11	200
Cuba (b)—						
Coal	19,235	41,942	35,543	31,884	19,985	(a)
Coke	18,967	2,215	20,155	46,797	38,285	(a)
Creosote oil	126	158	149	138	74	(a)
Tar and pitch	235	147	87	99	161	(a)
Dominican Republic (b)—						
Coal, coke, briquettes, etc.	396	214	1,457	510	938	280
French West Indies—						
Guadeloupe—						
Coal	2,925	52	1,263	8	1,160	1,125
Martinique—						
Coal	2,960	2,054	27	1,706	848	554
Greenland—						
Coal	(a)	(a)	10,848	16,906	10,958	(a)
Guatemala (b)—						
Coal	106	202	272	167	124	403
Coke	203	597	160	65	107	53
Honduras—						
Coal	289	282	92	190	102	206
Coke	17	20	21	11	27	19
Mexico (b)—						
Coal	26,097	35,071	51,625	40,797	53,098	55,677
Coke	18,564	6,841	14,265	10,098	4,608	3,171
Tar	156	212	309	228	260	324
Benzol, etc.	1,404	1,330	1,977	3,454	4,346	6,139
Creosote and creosote oils	158	2,181	4,136	405	475	1,725
Netherlands West Indies—						
Benzol	(a)	(a)	10,272	10,515	4,911	(a)
Nicaragua (b)—						
Coal	—	—	4	15	19	21
Coke	92	64	33	89	47	5
Panama Republic (b)—						
Coal	210	128	92	257	273	200
Salvador—						
Coal	150	121	191	2,358	127	179
Coke		112	195	161	285	130
Tar		79	64	93	87	50

(a) Information not available.

(b) Total imports.

(c) Excess of re-exports.

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

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
St. Pierre and Miquelon—						
Coal	11,668	9,725	10,555	9,429	9,133	12,200
United States—						
Anthracite	26,223	28,074	5,206	152	41	132
Bituminous	173,136	155,657	112,734	206,301	226,546	214,869
Lignite	574	462	1,069	79	80	—
Slack and culm	60,434	46,471	63,696	94,645	90,964	112,369
Coke	279,035	140,463	103,376	112,805	116,924	105,313
Briquettes	150	87	213	—	284	759
Tar and pitch (c)	3,223	5,526	53,961	67,439	47,230	16,984
Benzol	145,694	68,592	41,622	106,850	231,875	184,264
Cresylic acid	4,655	8,944	5,160	11,076	11,927	8,848
Creosote oil	265,451	214,216	156,765	127,415	156,479	124,073
Naphthalene	41,346	37,813	30,386	54,719	35,481	42,039
Argentina—						
Coal	1,712,803	1,165,222	1,482,373	1,158,648	1,330,120	1,137,247
Coke	42,850	43,588	45,012	95,706	151,756	133,766
Tar and pitch	301	38	148	159	117	299
Benzol	1,800	1,700	1,551	1,596	1,634	1,759
Naphthalene	28	400	3,243	2,429	2,069	2,515
Carbolic acid	981	868	2,818	3,128	6,624	2,754
Heavy coal-tar oils	212	1,004	1,953	906	5	830
Bolivia—						
Coal and coke	11,569	4,723	8,879	4,293	10,176	5,085
Brazil (b)—						
Coal	870,589	730,135	760,308	1,102,676	878,712	879,900
Coke	30,323	3,973	34,678	5,033	—	47,079
Briquettes	38,899	(a)	(a)	—	—	—
Carbolic acid	537	341	1,097	794	1,409	2,009
Benzol, toluol, etc.	500	455	2,141	609	2,543	3,361
Naphthalene	4	—	24	—	—	5
Chile—						
Anthracite	174,205	196,847	248,518	136,438	33,000	(a)
Other coal						
Coke						
Carbolic acid and cresol	1,367	603	—	984	1,000	(a)
Tar and pitch	1,199	1,217	518	1,612	(a)	(a)
Colombia—	8,322	10,514	5,692	4,739	(a)	(a)
Coal	397	209	314	384	80	—
Coke	16	4	49	11	—	48
Tar	8	110	6	5	—	—
Benzol, toluol, etc.	148	102	334	481	254	469
Creosote oil	7	3	4	4	4	4
Carbolic acid	41	6	9	27	15	63
Naphthalene	4	2	1	4	—	12
Dutch Guiana—						
Coal	2,926	4,002	120	2,427	13	10
Peru—						
Coal	3,326	72	10	5	67	20
Coke	984	874	189	1,082	834	641
Tar	5	2	9	19	89	68
Naphthalene	9	70	33	20	44	85
Uruguay—						
Coal	114,567	79,776	83,434	90,332	99,092	93,730
Coke	3,799	2,445	4,849	1,552	3,152	1,963
Naphthalene	1	64	(a)	(a)	(a)	(a)
Venezuela (b)—						
Coal	716	476	683	890	1,233	1,118
Naphthalene	36	23	32	(a)	27	37
Burma (b)—						
Coal	(a)	242,027	258,849	189,882	236,532	262,930
Coke	(a)	4,707	10,267	9,209	13,184	15,876

(a) Information not available.
(c) Revised.

(b) Total imports.

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

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Formosa—						
Coke	1,338	11,709	6,798	3,371	3,562	4,474
Tar and pitch	1,739	2,198	2,949	2,229	2,547	2,031
French India—						
Coal	6,041	(a)	(a)	(a)	(a)	(a)
Indo-China—						
Coal	18,590	5,575	11,149	(c)	(c)	(c)
Indonesia—						
Coal	58,207	51,669	35,929	33,009	42,423	36,741
Coke	2,989	4,046	2,133	214	827	4,264
Tar	894	1,121	785	134	425	822
Iraq—						
Coal	2,342	1,158	798	2,295	781	(a)
Coke	379	477	300	895	600	(a)
Tar and pitch	9,788	8,694	2,352	1,161	844	(a)
Israel—						
Anthracite	24,555	22,613	29,217	17,350	26,422	27,640
Other coal	2,043	991	2,519	1,882	897	1,297
Coke	2,534	4,691	4,068	—	—	—
Japan—						
Anthracite	187,756	408,243	362,405	363,175	457,158	724,749
Other coal	3,114,615	4,434,705	3,188,502	2,553,548	3,303,660	5,605,450
Tar and pitch	—	39	58	288	43	23,790
Benzol	—	27	6	1,563	12,138	1,113
Toluol	—	1,242	2,227	127	2,711	2,274
Naphthalene	—	446	3,559	2,163	8,402	10,476
Carbolic acid	—	771	976	6	(a)	(a)
Cresol	248	2,601	2,484	272	2,315	4,075
Korea—						
Coal	744,230	668,549	886,997	1,048,417	957,623	729,669
Lebanon—						
Coal	2,810	—	4,859	861	2,558	4,046
Coke	693	2,531	1,727	2,263	1,762	1,423
Briquettes	3,642	2,165	197	5,897	7,744	—
Naphthalene	32	39	55	43	82	112
Philippine Republic—						
Coal	58	10	—	—	136	1
Coke	2,742	4,843	4,055	6,090	7,573	5,643
Tar	144	75	448	376	288	239
Creosote	822	1,338	1,311	1,120	(a)	(a)
Portuguese India—						
Coal	16,222	(a)	14,003	3,609	(a)	(a)
Coke	456	(a)	112	49	(a)	(a)
Syria—						
Coal	685	1,597	2,542	1,949	1,385	1,522
Coke	874	1,297	1,223	717	784	1,104
Briquettes	2,135	2,018	2,018	1,618	2,617	1,881
Thailand (d)—						
Coal	20,994	40,685	82,785	36,809	9,100	15,847
Coke	1,014	2,150	3,416	815	1,071	2,389
Tar	267	169	147	70	45	55
Turkey—						
Cresol and naphthalene	114	79	30	9	(a)	(a)
Toluol and xylol	581	481	470	201	(a)	(a)
Vietnam—						
Coal	(b)	(b)	(b)	25,731	59,950	47,938
French Polynesia—						
Coal	5,307	3,649	1,968	1,772	984	9
New Caledonia—						
Coal	156,837	127,475	169,799	163,461	264,048	180,859

(a) Information not available.

(b) See under Indo-China.

(c) See under Vietnam.

(d) Total imports.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Northern Rhodesia (d) ..	9,901	16,828	21,423	13,237	20,262	27,140
Uganda	—	—	—	—	2,806	8,923
Canada (b)	12,696	14,308	20,116	29,631	31,399	33,359
Australia (c)	214	211	228	232	243	250
FOREIGN COUNTRIES						
Belgian Congo (e) ..	134,462	162,945	169,461	168,634	178,909	159,737
Morocco (Southern) ..	19,782	11,850	14,530	14,880	12,640	8,940
Mexico	316	—	—	—	—	—
United States	12,172	11,240	17,826	23,292	32,098	36,490
TOTAL	189,543	217,382	243,584	249,906	278,357	274,839

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) Refined metal plus estimated cobalt content of cobalt alloy and other cobalt.

(e) Electrolytic cobalt plus recoverable cobalt in cobalt alloy.

METAL PRODUCTION OF COBALT
(Cwt.)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Northern Rhodesia ..	540	7,886	11,762	8,228	16,442	21,453
FOREIGN COUNTRIES						
France	5,236	2,264	4,744	6,023	7,362	5,157
Germany (Federal) (b) ..	8,937	11,456	16,987	17,617	17,302	17,066
Norway	571	3,405	3,366	4,055	5,157	5,472
Belgian Congo	65,371	86,354	105,546	99,858	100,586	108,971
United States (c) ..	18,116	25,168	25,047	31,690	44,325	39,080

Cobalt and its compounds are also known to have been produced in the United Kingdom, Canada, Belgium and the U.S.S.R. Annual production in the U.S.S.R. has been estimated as 18,000 cwts.

(a) Information not available.

(b) Cobalt and alloys obtained chiefly from pyrite sinter imported from Finland, Norway, Spain, Sweden and other countries. Includes secondary metal.

(c) In addition, the following amounts of cobalt oxide, hydrate, salts and driers were produced (in terms of cobalt content):

Year	Cwts.	Year	Cwts.
1952 ..	12,256	1955 ..	14,431
1953 ..	12,569	1956 ..	13,884
1954 ..	10,806	1957 ..	13,244

EXPORTS OF COBALT, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Cobalt	311	379	843	468	610	17,548
Other cobalt (c)	342	(a)	(a)	(a)	(a)	(a)
Cobalt oxide	1,547	3,046	3,024	5,090	4,971	6,279
Other compounds	6,939	6,471	7,051	8,145	8,075	10,671
Northern Rhodesia—						
Cobalt	536	5,536	11,250	8,893	14,482	17,000
Cobalt alloy	26,589	22,357	24,304	10,625	7,679	3,393
Canada—						
Cobalt ore (Co content)	—	331	29	—	143	135
Cobalt	2,817	6,869	10,170	13,777	12,794	19,248
Cobalt alloys	183	106	44	110	101	111
Cobalt oxides and salts	7,018	8,326	7,466	14,645	11,510	5,536
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Cobalt (b)	33,603	36,561	26,878	33,922	21,552	22,198
France—						
Matte and speiss	175	2	—	—	—	—
Ingots and scrap	654	1,028	772	148	384	675
Cobalt salts	215	89	85	89	18	87
Sweden—						
Cobalt	—	39	20	—	138	—
U.S.S.R.—						
Cobalt	(a)	(a)	(a)	2,441	2,736	2,894
Belgian Congo—						
Cobalt	66,415	91,332	99,445	98,731	88,975	96,565
Cobalt-copper ingots	162,079	173,101	158,579	147,534	194,603	141,877
Morocco (Southern)—						
Cobalt ore	146,312	103,346	173,997	144,450	125,960	94,545
United States—						
Cobalt ore, alloys and scrap	22,641	3,373	27,384	34,073	27,268	9,542

(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.

(c) Including alloys.

IMPORTS OF COBALT, ETC.

(Less Re-exports)

(Cwt.)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Rondels, pellets and squares	9,264	7,740	27,009	18,597	14,677	14,760
Other kinds, including alloys	20,758	23,432	23,853	4,489	2,679	1,526
Cobalt oxide	10,371	11,806	7,729	15,868	11,821	7,710
Canada—						
Ore	133,423	38,286	93	338	17	—
Cobalt oxide	—	254	62	71	102	92
Hong Kong						
Cobalt oxide	(a)	(c) 419	411	1,265	626	46
Australia (b)—						
Cobalt ores, etc.	(a)	53	90	(a)	(a)	(a)
Cobalt ingots, etc.	—	171	159	423	678	860
Cobalt oxide	(a)	52	95	209	418	217
Cobalt salts	1,177	344	743	545	1,109	415
New Zealand—						
Cobalt salts	4,578	1,481	3,073	5,194	4,837	5,731
FOREIGN COUNTRIES						
France—						
Cobalt ore	106,048	60,442	79,605	102,060	93,466	76,026
Matte and speiss	6	—	4	2	—	2
Ingots and scrap	230	167	348	433	1,474	872
Cobalt oxide	203	108	431	740	1,094	1,165
Cobalt chloride	60	—	—	—	—	—
Germany (Federal)—						
Cobalt ore	77	2,457	392	5,372	923	—
Italy—						
Metal and alloys, crude and scrap	1,783	1,380	1,766	1,272	1,951	2,043
Cobalt oxide (d)	1,228	1,358	1,063	1,502	1,553	2,632
Portugal—						
Cobalt oxide	105	32	55	61	4	28
Sweden—						
Cobalt	2,491	728	1,299	2,953	2,205	2,579
Yugoslavia—						
Cobalt	(a)	20	51	39	77	83
United States—						
Cobalt ore (c)	56,506	50,847	49,033	50,430	42,718	18,066
Co content	25,523	22,001	21,105	22,005	18,029	7,426
Cobalt metal	107,276	128,856	127,035	138,706	115,842	145,003
Cobalt oxide	3,455	5,447	3,843	9,580	7,396	5,775
Cobalt salts	116	2,440	3,153	3,229	3,551	3,253
Argentina—						
Cobalt	638	441	3,116	1,744	256	588
Brazil (e)—						
Cobalt oxide	220	118	849	223	475	480
Japan—						
Cobalt ore	(a)	(a)	197	—	79	492
Ingots, slabs and grains	3,453	4,657	4,421	3,078	9,403	9,473
Cobalt oxide	(a)	1,466	1,258	1,798	2,767	2,450
Turkey—						
Cobalt salts	4	32	24	7	(a)	(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.

(e) Total imports.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain	16	11	16	16	9	11
Kenya	(g) 306	(g) 531	—	—	(f) 600	(f) 1,500
Northern Rhodesia (d) ..	324,275	366,795	391,704	352,956	397,736	428,851
Southern Rhodesia	107	450	296	1,060	1,725	2,881
South West Africa	13,970	12,047	14,004	21,038	27,864	26,899
Tanganyika	252	485	368	580	1,140	1,052
Uganda	—	—	—	—	2,884	10,467
Union of South Africa .. .	34,558	35,575	41,641	43,669	45,762	45,499
Canada (d)	230,039	226,118	270,296	291,066	316,839	308,953
Cyprus (e)	26,396	21,372	26,838	23,374	35,265	38,996
India	6,670	5,206	7,722	7,880	8,208	8,404
Australia	20,088	36,495	40,857	45,496	53,041	56,704
TOTAL	656,700	705,100	793,700	787,100	891,100	930,200
FOREIGN COUNTRIES						
Austria	2,710	3,080	3,068	2,654	6,961	2,337
Bulgaria	(a) ..	(a) ..	(a) ..	(a) ..	5,177	7,086
Finland (d)	18,386	18,477	19,921	21,165	20,713	25,615
France (d)	44	16	—	26	17	6
Germany—						
Federal Republic	2,320	2,020	2,323	1,192	962	1,074
East (b)	11,000	15,600	20,400	(h) 21,000	21,000	22,000
Italy	400	440	(h) 575	(h) 668	770	687
Norway	13,417	12,823	13,374	13,767	14,722	14,754
Poland (i)	(a) ..	4,200	4,700	5,400	7,000	7,400
Portugal	(c) 2,720	737	424	537	952	494
Spain (b)	17,000	14,000	16,000	16,000	17,000	17,000
Sweden	13,554	13,325	13,004	15,424	16,461	17,790
U. S. S. R. (estimated) .. .	329,000	340,000	355,000	400,000	425,000	465,000
Yugoslavia	36,386	34,759	31,642	28,659	31,328	33,000
Algeria	51	137	211	66	143	425
Angola	1,112	1,451	1,499	963	1,444	1,678
Belgian Congo (smelter) ..	202,499	210,734	220,257	231,394	246,016	238,418
French West Africa	—	—	81	136	96	—
Morocco (Southern)	797	1,129	750	735	724	620
Cuba	17,059	15,184	15,571	17,417	14,327	13,666
Mexico (d)	57,540	59,198	53,940	53,812	53,998	59,600
United States (d)	826,229	827,186	745,957	891,580	987,592	969,769
Bolivia (exports)	4,629	4,393	3,064	3,442	4,373	3,857
Brazil	—	—	—	—	(b) 8,000	(b) 8,000
Chile (d)	402,179	357,400	368,093	438,859	494,851	(b) 490,000
Ecuador	—	2	—	15	—	—
Peru	30,687	34,842	37,818	42,718	45,506	47,583
Japan	52,706	57,953	65,228	71,845	77,230	79,650
Formosa	193	752	843	1,311	1,795	(a) ..
Korea (South) (b)	500	500	350	600	700	450
Philippine Republic	13,032	12,514	14,122	17,185	26,537	39,744
Turkey (smelter)	22,962	26,913	24,815	23,423	24,372	25,806
TOTAL	2,070,000	2,070,000	2,030,000	2,320,000	2,560,000	2,600,000
WORLD'S TOTAL	2,730,000	2,770,000	2,820,000	3,110,000	3,450,000	3,530,000

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

(a) Information not available.

(b) Estimated.

(c) Not strictly comparable with subsequent 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): 1952—18,000; 1953—15,500; 1954—18,900; 1955—22,200; 1956—26,300; 1957—26,800.

(f) Copper content of cement copper.

(g) Exports.

(h) Revised.

(i) Source: United States Bureau of Mines.

METAL PRODUCTION OF COPPER

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Northern Rhodesia ..	312,409	362,656	378,656	342,200	383,484	416,209
Uganda	—	—	—	—	150	7,465
Union of South Africa ..	33,663	34,443	40,314	42,641	43,466	43,062
Canada (b)	199,458	184,686	229,609	253,178	273,716	283,362
India	6,079	4,920	7,161	7,281	7,628	7,848
Australia	20,008	34,159	38,047	37,439	49,030	50,881
TOTAL	571,617	620,864	693,787	682,739	757,474	808,827
FOREIGN COUNTRIES						
Austria (c)	6,336	8,453	8,908	9,571	10,535	9,330
Bulgaria	(a)	(a)	(a)	(a)	4,500	4,981
Finland	22,342	23,153	22,214	21,949	22,113	25,419
Germany—						
Federal Republic	41,700	47,400	49,400	51,900	54,400	63,300
East (f)	16,000	21,000	25,000	(h) 25,000	25,000	25,000
Italy	1,154	143	125	914	333	277
Norway	9,851	11,913	12,687	13,520	15,190	15,397
Poland (i)	(a)	(a)	8,000	15,400	20,000	20,000
Spain	6,803	6,118	5,693	5,783	6,197	5,882
Sweden	13,220	17,077	16,355	18,089	16,672	20,632
U.S.S.R. (estimated) (d)	329,000	340,000	355,000	400,000	425,000	465,000
Yugoslavia	32,301	30,697	29,817	27,814	28,920	33,202
Angola	972	1,105	1,705	769	1,273	1,600
Belgian Congo	202,499	210,734	220,257	231,394	246,016	238,418
Mexico	47,928	49,369	41,151	42,585	46,508	55,412
United States (e)	914,662	935,529	844,553	987,970	1,099,421	1,051,915
Chile	376,730	331,916	332,976	399,898	451,972	443,000
Peru	20,214	23,038	26,052	31,127	30,588	40,439
China (f)	6,000	8,000	8,000	9,000	10,000	12,000
Formosa	815	563	880	1,156	1,481	1,681
Japan (g)	48,531	62,609	63,707	79,760	91,019	107,154
Korea (South)	34	196	236	322	894	780
Turkey	22,962	26,913	24,815	23,423	24,372	25,806
TOTAL	2,125,000	2,150,000	2,098,000	2,400,000	2,630,000	2,670,000
WORLD'S TOTAL	2,697,000	2,771,000	2,791,000	3,100,000	3,390,000	3,480,000

(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): 1952—806,426; 1953—855,771; 1954—749,917; 1955—882,039; 1956—833,950; 1957—736,521.

(f) Estimated.

(g) In addition, secondary metal was recovered as follows (long tons): 1952—44,380; 1953—27,011; 1954—41,102; 1955—31,767; 1956—33,144; 1957—(a).

(h) Revised.

(i) Source: United States Bureau of Mines.

EXPORTS OF COPPER, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Bars and ingots	7,034	20,735	20,090	15,393	32,091	35,325
Scrap	2,808	824	—	5	433	232
Plates, sheets, etc.	8,182	6,981	8,533	8,532	7,158	10,505
Rods and wire	7,100	7,892	23,555	40,405	69,266	75,342
Tubes	4,383	3,747	5,161	6,643	10,517	13,802
Sulphate	41,944	45,255	39,193	39,171	47,811	28,427
Kenya—						
Concentrates	1,614	3,002	—	—	—	—
Unwrought (e)	—	—	—	—	—	2,474
Northern Rhodesia—						
Ore and concentrates	6,037	—	(c) 1,429	(c) 4,919	(c) 6,604	(c) 14,362
Blister	229,591	227,470	(c) 205,655	(c) 172,898	(c) 152,596	(c) 171,169
Electrolytic	109,754	144,581	(c) 178,595	(c) 168,905	(c) 215,083	(c) 237,441
Southern Rhodesia—						
Ore and concentrates	46	493	(d)	(d)	(d)	(d)
South West Africa—						
Copper-lead ore (Cu content) (b)	14,554	12,284	12,301	21,038	30,559	27,999
Tanganyika—						
Lead concentrates (Cu content)	251	485	368	580	1,138	1,052
Uganda—						
Unwrought (e)	—	—	—	—	—	7,404
Union of South Africa—						
Copper-gold concentrates (Cu content)	32	30	154	137	503	} 1,580
Copper matte (Cu content)	877	928	1,209	834	1,130	
Ingots, bars and blocks	31,726	31,515	40,860	38,606	39,039	
Canada—						
Ore, matte, etc. (Cu content)	30,748	45,677	42,332	37,112	36,602	41,561
Ingots, etc.	101,496	117,852	139,402	136,785	156,111	177,494
Scrap, slag, etc.	1,550	9,507	9,755	16,333	13,030	10,965
Rods, sheets and strips	16,631	5,150	7,186	14,995	8,869	8,646
Tubes	3,750	971	1,526	2,113	1,770	1,884
Wire	(£2,058,254)	(£704,916)	(£321,800)	(£656,177)	(£706,484)	(£201,213)
Cyprus—						
Concentrates, cement copper and cupreous pyrites (Cu content)	26,396	21,372	26,838	23,374	35,265	38,996
Hong Kong (including re-exports)—						
Crude and refined, unwrought (e)	21	—	—	8	—	—
Scrap	267	179	627	1,392	1,434	6,363
Bars, sheets, tubes and wire (e)	14	40	25	112	36	25
India—						
Ingots, etc.	2,013	345	136	483	214	—
Malaya (including re-exports)—						
Ore	—	—	—	—	1,351	1,600
Ingots, sheets, wire, etc.	137	117	93	57	51	76
Sulphate	(a)	28	3	6	19	6

(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.

(e) Including alloys.

EXPORTS OF COPPER, ETC. (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Australia (b)—						
Ore, etc. (<i>Cu content</i>) ..	613	1,422	991	4,404	3,949	8,145
Matte	2,001	—	—	—	960	—
Blocks and ingots ..	10	3,630	12,787	5,123	15,112	15,598
Scrap	65	207	553	5	2	2
Bars, sheets, tubes, etc.	33	236	1,241	548	1,465	1,440
Wire	29	99	801	154	51	680
Fiji—						
Ore	—	—	—	—	597	—
New Zealand—						
Scrap	3	140	368	867	1,892	1,866
Irish Republic—						
Scrap	1,339	1,338	1,662	1,716	1,550	1,087
FOREIGN COUNTRIES						
Austria—						
Ore	—	—	1,339	—	2	—
Rough copper	843	1,422	687	1,290	1,418	801
Scrap	3	6	2	114	135	105
Bars, sheets and wire ..	74	34	48	165	430	404
Sulphate	99	451	331	530	1,030	1,517
Belgium-Luxemburg						
E.U.—						
Rough copper	120,046	128,978	125,015	122,485	133,648	117,486
Scrap	993	940	954	1,102	614	528
Bars, sheets, wire, etc.	17,944	16,292	20,904	22,809	22,963	21,514
Tubes and pipes ..	1,928	1,949	2,951	3,168	3,721	3,751
Sulphate	25,211	13,810	20,422	14,806	17,618	23,057
Denmark—						
Rough copper	1,351	721	521	303	436	200
Scrap (c)	1,762	2,506	2,239	2,950	3,012	1,771
Bars, sheets, wire, etc. ..	52	169	135	620	1,556	62
Finland—						
Rough copper and scrap	1,698	2,373	1,420	1,284	1,315	2,146
Sheets and wire ..	670	1,281	2,861	1,563	1,498	375
France—						
Ore	—	—	31	—	—	—
Unwrought	34	84	1,678	115	647	470
Scrap	106	1,260	986	622	403	62
Bars and wire	1,288	1,276	3,948	3,732	2,185	3,229
Plates and sheets ..	543	785	910	819	696	701
Tubes and pipes ..	369	439	544	570	965	1,015
Sulphate	2,327	6,803	5,606	9,942	5,494	5,886
Germany (Federal)—						
Ore	—	12,594	—	—	2,485	30
Rough and refined						
copper	55,621	47,297	40,852	47,197	49,743	46,368
Scrap (c)	455	1,366	450	1,394	1,280	1,368
Bars, sheets, wire, etc. (c)						
(d)	16,015	16,284	26,529	33,969	52,176	52,147
Sulphate	2,126	2,957	4,643	4,490	3,929	5,248
Greece—						
Ore	—	—	89	(a)	(a)	(a)
Italy—						
Ore	19	—	—	—	—	1
Ingots and alloys ..	98	324	35	—	—	45
Scrap	45	—	1	1	1	—
Bars, sheets, wire (c) (d)	3,295	5,213	3,486	4,124	4,520	5,487
Sulphate	5	—	2,000	2,577	3,925	3,250

(a) Information not available.

(b) Years ended June 30 of that stated.

(c) Including alloys.

(d) Revised.

EXPORTS OF COPPER, ETC. (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
(cont.)						
Netherlands—						
Ingots and bars	1,296	288	218	700	771	853
Scrap	11,924	12,085	9,217	12,971	12,384	10,282
Sheets, tubes and wire	1,811	5,663	14,559	9,984	3,564	3,864
Sulphate	4	40	17	10	27	33
Norway—						
Ore	7,114	9,414	11,688	12,358	14,704	12,844
Matte	15,202	14,008	11,694	12,582	13,842	13,005
Burnt cupreous pyrites	5,780	2,358	5,000	7,362	17,146	—
Rough copper	7,505	10,850	12,024	12,560	14,393	14,212
Scrap (b)	2,044	2,282	2,515	3,665	2,680	4,531
Portugal—						
Rough copper, sheets, etc.	12	7	17	296	967	434
Sulphate	90	17	18	109	80	67
Spain—						
Ingots and bars (b)	119	—	—	—	13	—
Sheets, tubes, wire (b)	129	—	—	—	1	—
Sulphate	187	508	—	—	—	—
Sweden—						
Rough copper	11,724	15,455	18,136	13,884	14,115	15,797
Scrap	117	2,594	623	1,812	1,626	342
Sheets, tubes, wire, etc.	13,477	15,952	21,324	21,640	18,416	20,917
Sulphate	3	—	1	2	—	5
Switzerland—						
Ore, filings and turnings	1,421	1,207	1,406	1,234	1,749	2,256
Bars, ingots, etc. (b)	933	1,894	924	1,368	1,095	1,466
Scrap (b)	84	506	434	389	493	394
Sheets, tubes, wire, etc. (b)	4,123	9,192	9,770	7,484	8,471	9,428
U.S.S.R.—						
Crude (including wire)	(a)	(a)	(a)	36,100	51,600	59,600
Sulphate	(a)	(a)	(a)	8,000	7,900	9,000
Yugoslavia—						
Blister	5,262	9	—	—	—	—
Electrolytic	12,454	14,487	10,845	6,145	1,253	197
Scrap	255	101	—	—	—	—
Rods, sheets, tubes, etc.	(a)	218	598	3,077	1,405	4,609
Sulphate	7,899	4,516	1,534	888	672	9,142
Algeria—						
Ore	242	128	921	943	—	431
Bars, sheets and wire	1,463	538	1,382	1,802	1,106	1,451
Scrap	76	428	613	260	175	284
Sulphate	—	44	69	—	1	1
Angola—						
Ore	—	52	—	—	5	—
Ingots	1,268	1,416	1,669	1,158	1,473	1,764
Belgian Congo—						
Blister	88,446	103,023	111,151	116,357	126,078	123,901
Refined	113,108	100,822	112,033	111,272	123,594	113,458
Copper-cobalt ingots	8,104	8,655	7,929	7,376	9,730	7,094
Egypt—						
Rough copper and scrap	116	—	152	84	(a)	(a)
French West Africa—						
Ore	—	—	—	787	433	—
Morocco (Southern)—						
Ore	1,827	4,038	3,699	2,680	1,790	1,674
Old and scrap	272	103	203	445	63	—
Cuba—						
Ore	50,627	87,319	87,577	64,261	60,591	81,259
Scrap	112	105	663	1,108	978	(a)

(a) Information not available.

(b) Including alloys.

EXPORTS OF COPPER, ETC. (*cont.*)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
Mexico—						
Ore, concentrates, etc.	25,884	38,940	42,296	36,824	39,014	21,843
Rough copper	50,957	49,860	41,617	44,910	45,338	43,329
United States—						
Ores, matte, blister, etc. (<i>Cu content</i>)	577	442	2,115	11,515	12,248	13,978
Refined ingots, etc. ..	155,476	97,838	192,813	178,410	199,199	308,951
Scrap	7,983	30,864	67,632	27,801	22,929	43,740
Sheets, rods, wire, etc. ..	8,619	8,930	4,636	6,893	10,542	11,645
Pipes and tubes	2,313	1,448	1,070	1,153	1,384	1,209
Sulphate	38,768	29,159	26,574	33,377	26,943	30,039
Bolivia—						
Ore, etc. (<i>Cu content</i>) ..	4,629	4,393	3,604	3,442	4,373	3,857
Chile—						
Ores and concentrates ..	28,213	32,574	28,049	26,672	21,000	} 30,000
Precipitate	2,011	751	1,673	1,673	3,000	
Ingots—						} 430,000
Blister	70,975	126,784	153,700	172,600	206,000	
Refined	145,697	93,747	79,700	101,300	87,000	
Electrolytic	130,630	68,900	112,000	105,700	123,300	
Bars and sheets	10,900	6,049	4,430	9,054	5,467	(<i>a</i>)
Wire	12,601	6,336	7,195	13,466	6,879	1,187
Sulphate	984	399	181	523	157	(<i>a</i>)
<i>Cu content</i> (<i>b</i>)	359,087	313,692	369,304	405,626	445,027	(<i>a</i>)
Peru—						
Ore (<i>Cu content</i>)	10,206	9,240	10,504	9,325	11,895	13,957
Matte, etc. (<i>do.</i>)	339	392	367	441	575	558
Bars, etc. (<i>do.</i>)	21,008	21,247	25,633	30,357	30,253	34,838
Precipitate (<i>do.</i>)	430	480	406	517	488	485
Formosa—						
Ore	(<i>a</i>)	4,132	3,884	7,431	8,657	9,547
Japan—						
Ingots and blocks	382	1,782	6,356	11,833	2,767	1,657
Bars, rods and tubes ..	3,047	1,534	4,392	6,179	1,154	564
Plates, sheets and wire	16,620	1,379	14,666	17,814	761	906
Scrap	455	—	—	—	—	—
Sulphate	108	299	105	818	11	11
Philippine Republic—						
Ore and concentrates ..	9,097	8,756	1,330	24,668	87,524	125,961
Copper-gold-silver concentrates	65,506	62,015	59,872	64,183	48,329	36,589
Scrap	59	184	157	39	241	—
Turkey—						
Ore	—	4,819	3,937	3,665	(<i>a</i>)	(<i>a</i>)
Ingots	16,404	17,418	11,521	11,864	18,892	14,406

(*a*) Information not available.

(*b*) 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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Bars, ingots, etc.—						
Electrolytic	207,214	211,138	244,323	244,611	242,880	292,637
Other refined	4,832	6,828	16,972	30,555	34,099	45,238
Blister	170,572	100,124	117,636	121,354	106,290	115,182
Scrap	1,814	1,180	9,363	13,424	1,414	1,343
Plates, sheets, etc.	31	13	51	476	43	15
Rods	271	6	2	1,930	1,875	1,911
Tubes	61	10	10	13	75	146
Wire	286	37	36	7	13	51
Ghana—						
Rods, sheets, tubes, etc., (f)	(a)	(a)	330	263	382	228
Wire	(a)	(a)	71	70	299	85
Kenya—						
Crude, refined, alloys and scrap	(b) 222	(b) 248	75	279	52	51
Bars, sheets, tubes and wire	123	1,006	21	205	281	86
Sulphate	137	5	4	43	13	138
Mauritius—						
Bars, rods, sheets, wire, etc.	87	79	29	57	37	67
Nigeria—						
Rods, sheets, tubes, etc. (f)	(a)	(a)	213	429	422	416
Wire	(a)	(a)	72	141	76	205
Southern Rhodesia—						
Ingots, bars and rods	827	395	(c) 347	(c) 466	(c) 425	(c) 344
South West Africa—						
Bars, sheets, pipes, wire, etc.	364	288	90	(d)	(d)	(d)
Tanganyika—						
Crude, refined, alloys and scrap	2	21	62	33	66	10
Sheets, tubes, wire, etc.	224	228	257	92	197	104
Sulphate	51	44	31	41	69	41
Uganda—						
Sheets, tubes, wire, etc.	5	135	21	22	32	35
Union of South Africa—						
Bars, ingots and slabs	19,337	11,266	13,629	(e) 12,738	(e) 17,127	(e) 18,616
Plates, sheets and tubes	1,089	706	677	(e) 906	(e) 614	(e) 620
Wire	953	843	318	(e) 42	(e) 33	(e) 16
Canada—						
Blocks, pigs and ingots	11,583	4,924	1,521	31	2,269	3,727
Scrap	1,829	8,110	555	2,010	5,596	3,308
Bars, sheets, wire, etc.	1,429	1,881	2,388	2,035	3,374	3,054
Sulphate	1,372	1,782	949	1,011	921	909
British West Indies—						
Barbados—						
Bars, sheets, tubes, wire	(£2,196)	(b) (£619)	(£7,840)	(£21,257)	(£22,347)	80
Jamaica—						
Sulphate	(a)	(£124,926)	2,238	3,204	4,523	4,021
Trinidad—						
Sulphate	16	37	23	57	37	28
Cyprus—						
Bars, sheets, wire, etc.	97	61	104	60	43	57

(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.

(f) Including alloys.

IMPORTS OF COPPER, ETC. (cont.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Hong Kong (e)—						
Crude and refined, un-						
wrought (f)	171	55	7	21	124	528
Scrap	271	98	33	135	636	6,103
Bars, sheets, tubes and						
wire (f)	2,359	1,368	186	276	286	403
India—						
Ingots, cakes, blocks,						
etc.	14,214	12,363	18,618	15,247	29,949	43,466
Scrap	175	246	1,641	419	473	1,048
Sheets, tubes, wire, etc.	1,602	1,742	157	189	459	3,095
Sulphate	1,531	1,123	1,067	628	1,247	1,738
Malaya (e)—						
Ingots, sheets, wire, etc.	1,570	1,582	783	1,134	1,068	1,383
Sulphate	(a)	109	162	197	252	252
Pakistan (b)—						
Ingots, cakes, blocks,						
etc.	207	49	144	51	20	165
Scrap	686	—	—	24	—	—
Sheets, tubes, wire, etc.	333	51	49	277	1,138	2,318
Sulphate	45	85	40	41	63	156
Sarawak—						
Bars, sheets, tubes, wire	1	12	61	32	61	68
Australia (c)—						
Ore and concentrates ..	4	46	—	30	28	—
Blocks and ingots	22,053	18,360	2,989	28,569	4,691	3,251
Scrap	40	1	23	(d) 40	2	10
Rods, sheets and tubes ..	2,886	3,180	3,110	4,902	2,475	1,472
Wire	836	304	77	96	6	5
Sulphate	2,134	96	678	337	311	165
New Zealand—						
Bars, sheets, pipes, etc.	3,994	2,943	4,544	4,649	3,990	4,200
Wire	1,249	632	1,104	913	732	2,280
Sulphate	1,409	22	460	450	393	1,083
Irish Republic—						
Bars, sheets, wire, etc. ..	2,384	1,440	1,591	1,241	1,077	915
Sulphate	2,239	2,481	2,199	1,925	1,932	1,838
FOREIGN COUNTRIES						
Austria—						
Ore	—	—	—	17	80	149
Rough copper	7,840	8,276	14,466	12,591	11,666	13,988
Scrap	911	1,890	1,190	3,382	2,340	737
Bars, sheets, wire, etc.	2,390	737	622	574	526	495
Sulphate	1,134	—	—	1	3	—
Belgium-Luxemburg						
E.U.—						
Ore	1,201	581	494	2,916	3,257	1,016
Matte and rough copper	167,452	153,131	172,672	179,572	189,888	177,231
Scrap	11,671	12,116	7,484	13,004	11,661	8,649
Bars, sheets, wire, etc. ..	540	1,794	1,559	1,324	1,156	600
Tubes	478	627	681	554	449	595
Sulphate	6	26	16	23	37	29

(a) Information not available.

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

(c) Years ended June 30 of that stated.

(d) Excess of re-exports.

(e) Total imports.

(f) Including alloys.

IMPORTS OF COPPER, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Rough copper	3,611	3,822	3,143	4,219	2,647	3,983
Scrap (b)	317	310	88	202	108	259
Bars, sheets, wire, etc.	8,196	8,715	12,198	12,829	9,430	10,656
Sulphate	1,165	1,143	1,856	1,712	1,700	2,219
Finland—						
Rough copper	1,468	1,880	2,211	1,323	193	893
Bars, sheets, tubes and wire	3,924	1,192	642	728	473	380
Sulphate	23	24	49	31	45	15
France—						
Ore	51	—	—	43	2,773	—
Unwrought—						
Unrefined	14,295	6,362	8,902	6,034	4,915	5,293
Refined	122,742	89,052	126,690	162,492	162,184	178,389
Scrap	2,910	823	1,341	1,845	1,569	3,737
Bars and wire	13,359	271	267	411	240	364
Plates and sheets	1,096	115	59	35	40	94
Tubes and pipes	55	40	36	44	26	51
Sulphate	18,550	7,757	2,661	5,970	5,726	3,654
Germany (Federal)—						
Ore						
Burnt cupreous pyrites } 1,190,402 { 138,682 { 148,995 { 156,047 { 162,457 { 174,692						
Matte	20,898	8,255	(a) 9,257	840,559	1,070,968	953,579
Rough copper, including refined ..	78,613	95,820	172,434	202,645	211,308	279,096
Scrap (b)	21,702	37,255	93,076	91,762	54,070	41,413
Bars, sheets, wire, etc. (b) (c)	6,771	468	17,436	15,454	11,838	8,243
Sulphate	852	581	1,914	3,414	381	534
Greece—						
Rough copper and alloys	61	86	319	284	225	990
Sheets, tubes, alloys, etc.	444	560	428	456	389	130
Sulphate	1,965	2,038	3,046	6,116	4,805	2,696
Hungary—						
Crude	5,810	4,619	6,501	8,094	8,662	10,321
Sulphate	8,699	8,756	13,001	10,119	14,205	14,481
Iceland—						
Bars, tubes, wire, etc. ..	208	296	279	311	196	214
Italy—						
Ore	2,082	—	—	—	—	—
Ingots and alloys	62,752	69,687	101,701	87,392	108,265	118,897
Scrap	8,176	8,887	17,922	11,990	11,898	12,811
Bars, sheets and wire (b) (c)	3,558	2,323	2,216	1,197	971	1,441
Sulphate	1,326	8,385	5,739	1,724	2,018	3,337
Netherlands—						
Ingots and bars	12,412	16,711	28,154	25,328	22,385	19,564
Scrap	562	1,469	2,218	3,534	2,587	2,312
Sheets, tubes and wire ..	10,327	11,259	16,186	17,080	18,501	16,219
Sulphate	412	781	1,072	1,102	970	1,128
Norway—						
Rough copper	2,836	3,452	4,891	4,419	3,858	4,329
Copper-nickel matte	26,119	29,576	34,624	37,111	43,795	45,823
Scrap	34	34	65	149	158	426
Bars, sheets, tubes and wire (b)	9,749	8,724	10,439	9,406	9,540	9,845
Sulphate	36	112	100	96	306	342

(a) Information not available.

(c) Revised.

(b) Including alloys.

IMPORTS OF COPPER, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portugal—						
Ore and concentrates ..	—	55	—	—	24	1,389
Ingots, wire, etc. ..	4,099	4,409	5,052	4,646	8,896	14,119
Sulphate	2,378	6,101	5,012	1,364	2,916	2,939
Spain—						
Ore	78	—	—	—	—	3,761
Precipitate and scrap (b)	4,121	2,063	2,014	3,236	5,854	2,362
Ingots and bars (b) ..	8,848	7,946	10,844	7,000	17,665	16,230
Sheets, tubes and wire (b)	733	320	162	151	368	1,064
Sulphate	6,953	1,995	2,755	779	1,637	244
Sweden—						
Ore	36,225	41,029	49,899	31,563	19,617	28,419
Rough copper	43,620	29,855	57,799	49,920	50,919	47,694
Scrap	8,516	5,428	1,633	3,748	1,455	1,429
Sheets, rods, wire, etc. ..	1,314	575	1,814	2,075	3,682	2,374
Sulphate	574	531	356	708	901	783
Switzerland—						
Ore, filings and turnings	23	347	2,729	696	112	713
Bars, ingots, etc. (b) ..	24,926	13,761	28,180	26,292	34,309	38,455
Scrap (b)	267	42	1,322	1,170	739	438
Sheets, tubes, wire, etc. (b)	7,075	3,506	7,754	9,612	8,268	9,110
Algeria—						
Rough copper	4,950	2,363	3,355	3,168	2,978	4,381
Scrap	1	1	11	57	—	—
Bars, sheets, wire, etc. ..	291	204	222	162	212	129
Sulphate	6,958	4,151	3,652	7,944	5,345	6,585
Angola—						
Bars, sheets and wire ..	172	95	245	110	115	129
Sulphate	5	10	20	10	16	14
Egypt—						
Crude and scrap	627	166	900	599	(a)	(a)
Bars, sheets, tubes, etc. ..	505	924	510	263	(a)	(a)
Sulphate	1,030	1,446	3,150	441	(a)	(a)
Morocco (Southern)—						
Bars, sheets and wire ..	1,032	1,326	718	671	709	693
Sulphate	432	99	220	94	64	147
Mozambique—						
Bars, sheets and wire (b)	142	141	142	136	434	284
Sudan—						
Sulphate	39	14	134	559	640	101
Tunis—						
Bars, sheets and wire ..	(a)	73	108	183	116	156
Sulphate	(a)	373	1,187	518	564	723
Costa Rica (c)—						
Bars, sheets and wire (b)	(a)	351	303	66	38	47
Sulphate	(a)	10,931	9,618	14,535	6,523	8,454
Cuba (c)—						
Ingots and bars	377	129	163	136	143	(a)
Sheets, tubes and wire ..	2,717	1,476	1,377	1,883	1,668	(a)
Dominican Republic (c)—						
Sulphate	(a)	(a)	(a)	(a)	704	342
Guatemala (c)—						
Sheets and wire	191	239	216	246	365	828
Sulphate and carbonate ..	6,952	7,336	5,649	5,543	5,421	5,456
Honduras—						
Sulphate	14,126	11,287	9,534	7,318	7,237	4,319

(a) Information not available.

(b) Including alloys.

(c) Total imports.

IMPORTS OF COPPER, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mexico (d)—						
Ingots	11	26	11	63	18	80
Bars, sheets, alloys, etc.	845	438	317	273	228	190
Sulphate	4,569	804	575	217	146	25
United States—						
<i>Cu content of—</i>						
Ore and concentrates	89,490	91,079	107,621	100,463	72,089	74,409
Matte, precipitate, etc.	3,600	5,846	4,829	5,702	4,641	4,754
Blister	154,844	249,323	229,815	226,512	246,504	268,913
Refined ingots, bars and plates	310,123	244,742	192,070	180,636	171,261	144,919
Scrap	4,576	6,989	4,243	11,229	4,831	5,180
Sheets, tubes, wire, etc.	12,369	6,213	9,348	19,199	26,256	25,707
Sulphate	—	—	—	250	584	109
Argentina—						
Ingots, electrolytic	14,668	12,108	12,969	13,988	2,892	21,682
Sulphate	735	—	175	327	1	—
Brazil (d)—						
Ore	—	—	—	459	388	1,132
Ingots	16,877	18,693	34,419	14,174	19,422	26,638
Rough	2,449	653	2,439	509	242	575
Plates and sheets	1,197	629	1,833	381	135	69
Tubes, pipes and wire	2,201	808	2,101	301	83	176
Sulphate	2,278	5,225	5,361	2,525	4,697	3,500
Colombia—						
Ingots, bars and sheets	452	593	703	528	1,039	(a)
Sulphate	8,819	4,178	6,254	4,670	7,690	7,963
Peru—						
Bars, sheets, etc.	688	474	267	343	310	366
Sulphate	416	744	558	649	1,549	621
Uruguay—						
Bars, sheets and alloys	459	793	(a)	(a)	(a)	(a)
Venezuela—						
Sheets	150	181	173	(a)	150	338
Sulphate	157	65	112	(a)	64	94
Formosa—						
Ingots	—	515	717	168	689	—
Sheets and wire	293	69	126	38	143	67
Indonesia—						
Bars and sheets	675	1,267	3,516	2,320	507	721
Tubes, pipes and wire	1,039	760	796	639	794	884
Sulphate	135	812	503	598	529	1,511
Iran (b)—						
Ingots, bars and sheets (c)	220	942	2,455	(a)	(a)	(a)
Iraq—						
Bars, sheets and wire	93	205	384	323	477	(a)
Japan—						
Ore and concentrates	20,014	40,139	28,310	43,941	128,702	217,431
Ingots and slabs	(c) 154	555	7,620	4	21,900	49,614
Scrap	1,181	16,960	37,817	1,841	23,241	55,749
Turkey—						
Ingots, bars, and sheets	222	338	616	171	136	173
Sulphate	971	1,434	1,212	797	1,530	2,071

(a) Information not available.

(c) Including alloys.

(d) Total imports.

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

DIAMONDS
PRODUCTION OF DIAMONDS*
(Metric carats)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Basutoland	—	—	—	450	620	2,500
Ghana (c)	2,189,557	2,180,728	2,135,459	2,258,270	2,539,429	3,124,825
Sierra Leone	452,618	481,709	400,076	418,077	(d)647,797	(d)863,202
Southern Rhodesia	48	6	2	—	—	—
South West Africa	537,450	610,332	683,560	812,848	998,653	996,965
Tanganyika	143,023	172,304	326,009	325,523	358,717	390,971
Union of South Africa	2,383,211	2,717,620	2,858,688	2,628,917	2,585,728	2,578,975
British Guiana	38,305	35,306	30,073	33,300	29,816	29,037
India	2,054	2,207	1,955	1,787	1,499	790
Australia	49	736	1,564	731	383	312
TOTAL	5,746,315	6,200,948	6,437,386	6,479,903	7,162,642	7,987,577
FOREIGN COUNTRIES						
Angola—						
Gem diamonds	436,393	424,351	422,572	441,789	443,280	524,933
Industrial do.	306,909	305,025	299,034	301,588	296,755	339,439
Belgian Congo—						
Gem diamonds	594,988	564,072	527,737	628,298	626,969	630,923
Industrial do.	11,013,840	12,016,198	12,092,377	12,413,199	13,383,509	15,015,807
French Equatorial Africa	156,708	140,143	152,528	136,958	145,837	109,231
French West Africa	136,080	179,850	217,650	318,520	389,880	247,138
Brazil (b)	250,000	250,000	250,000	250,000	250,000	250,000
Venezuela	92,291	84,784	96,983	141,147	93,833	122,597
TOTAL	12,987,000	13,965,000	14,059,000	14,631,000	15,630,000	17,240,000
WORLD'S TOTAL	18,733,000	20,165,000	20,496,000	21,110,000	22,790,000	25,230,000

* 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>
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
1957	..	1,455,249	1,669,576

(d) Exports.

PRODUCTION OF DIAMONDS*

(£ sterling)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Basutoland (d)	—	—	—	3,000	4,000	17,000
Ghana (b)	5,921,000	3,677,000	4,277,000	5,452,000	7,948,765	9,428,465
Sierra Leone	1,584,163	1,685,982	1,400,265	1,567,787	(e)3,457,385	(e)6,425,197
Southern Rhodesia	478	50	30	—	—	—
South West Africa	10,494,864	10,861,923	12,987,648	13,809,000	d 18,043,000	d 17,983,000
Tanganyika (b)	1,731,768	1,784,036	3,070,451	3,228,212	2,864,714	3,401,448
Union of South Africa (d)	14,013,544	13,913,979	13,398,280	12,671,880	12,665,931	14,610,245
British Guiana (b)	308,738	288,591	247,158	280,952	268,344	289,487
India	35,881	42,132	35,576	30,400	24,525	12,600
Australia	94	3,850	10,400	5,600	3,067	3,224
TOTAL	34,091,000	32,258,000	35,426,000	37,049,000	45,280,000	52,171,000
FOREIGN COUNTRIES						
Angola	4,009,000	4,405,000	4,147,000	4,272,000	4,266,000	6,161,000
Belgian Congo—						
Gem diamonds (b)	949,000	934,000	1,510,000	1,675,000	1,474,000	1,625,000
Industrial do. (b)	4,807,000	5,231,000	7,608,000	7,863,000	9,116,000	11,011,000
French Equatorial Africa	905,000	898,000	1,053,000	822,000	890,000	711,000
French West Africa (b)	574,900	678,900	881,500	1,098,900	1,224,000	883,000
Brazil (c)	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela	737,000	510,000	377,000	(b) 946,000	(b) 924,000	b 1,207,000
TOTAL	12,982,000	13,657,000	16,577,000	17,677,000	18,894,000	22,598,000
WORLD'S TOTAL	47,073,000	45,915,000	52,003,000	54,726,000	64,174,000	74,769,000

* 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) Exports.

SALES OF DIAMONDS

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

				(£ sterling)		
				Gems	Industrial	Total
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	..	..	..	52,818,096	23,954,016	76,772,112
1958 (Jan.-Nov.)	..	..	..	44,255,123	14,249,596	58,504,719

EXPORTS OF DIAMONDS
(Domestic Produce)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Ghana .. Ct.	2,133,873	2,164,262	2,125,708	2,276,531	2,518,563	2,930,901
£	5,399,885	3,924,755	4,272,684	5,529,624	7,920,446	8,979,359
Sierra Leone .. Ct.	423,327	416,742	443,598	401,423	647,797	863,202
£	1,217,059	1,198,133	1,699,875	1,400,478	3,457,385	6,425,197
South West Africa— Uncut .. Ct.	498,382	621,562	550,987	(d)	(d)	(d)
£ (S.A.)	11,765,279	13,584,782	12,068,070	(d)	(d)	(d)
Tanganyika— Gem diamonds.. Ct.	201,106	94,187	167,927	174,868	170,679	170,674
£	3,504,502	1,509,179	2,581,073	2,704,718	2,211,326	2,518,917
Industrial diamonds Ct.	130,237	76,322	161,985	147,739	186,859	201,928
£	541,689	256,339	526,168	494,719	653,810	723,787
Union of South Africa— Uncut .. Ct.	812,199	916,202	818,559	b 1,451,928	b 1,372,727	b 1,435,478
£ (S.A.)	7,628,202	8,253,036	7,141,295	b23,824,074	b23,360,827	b24,685,787
Cut and polished Ct.	110,277	92,780	109,556	109,901	112,885	118,569
£ (S.A.)	9,274,728	7,076,218	8,044,458	8,148,402	8,526,112	10,136,932
British Guiana Ct.	39,213	35,531	30,384	33,227	30,871	28,455
£	307,840	281,162	249,716	280,342	277,841	283,685
Hong Kong (re-exports)— Cut and polished £	491,004	71,397	256,020	822,454	1,007,045	776,916
Industrial .. £	(a)	(a)	7,976	4,721	25	—
Malaya (re-exports)— Cut and polished £	120,535	18,100	11,198	40,420	61,590	52,317
Australia (c)— Gem diamonds Ct.	—	—	513	59	229	—
£	—	—	12,524	4,560	1,833	—
FOREIGN COUNTRIES						
Belgium-Luxemburg E.U.— Cut and polished Ct.	459,855	540,960	666,107	830,041	890,232	793,875
£	17,802,418	19,567,763	22,892,117	28,994,898	32,387,209	30,258,537
Industrial, rough and bort .. Ct.	685,630	1,198,997	1,895,269	2,748,573	3,280,064	3,330,769
£	2,432,770	4,767,578	7,246,730	11,965,277	16,747,401	13,802,509
France— Uncut .. Ct.	90,110	160,249	132,651	110,983	532,015	83,000
£	1,485,932	1,277,097	2,565,427	1,180,676	1,128,806	1,147,000
Cut .. Ct.	50,482	38,269	45,735	57,253	56,221	34,000
£	5,582,000	7,620,000	6,803,000	7,246,000	8,109,000	10,153,000
Netherlands .. £	5,582,000	7,620,000	6,803,000	7,246,000	8,109,000	10,153,000
Sweden— Industrial diamonds £	29,607	24,656	24,983	34,392	52,284	69,824
Angola .. Ct.	741,272	724,195	724,190	740,332	743,930	869,105
£	3,598,763	4,373,128	4,373,649	4,228,582	4,280,584	5,334,132
Belgian Congo— Gem diamonds.. Ct.	530,168	588,530	628,089	637,696	643,092	626,442
£	844,533	992,119	948,252	1,519,120	1,360,613	1,324,483
Industrial diamonds Ct.	10,985,791	11,798,104	11,573,837	12,378,516	12,802,772	14,566,863
£	4,782,745	5,135,048	5,209,186	7,140,091	8,286,627	9,633,213
French Equatorial Africa— Ct.	145,112	137,113	150,676	150,294	147,376	110,550
£	640,000	836,000	1,029,000	1,098,600	1,013,000	803,000

(a) Information not available.

(b) Including South West Africa.

(c) Years ended June 30 of that stated.

(d) Included with Union of South Africa.

EXPORTS OF DIAMONDS (cont.)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
French West Africa Ct.	118,050	183,080	223,478	295,660	388,370	307,900
£	499,000	692,000	907,000	1,021,000	1,221,000	1,100,000
Liberia (c) .. Ct.	(a)	(b) 549	(b) 125,263	203,543	1,025,034	757,138
£	(a)	(b) 1,360	(b) 180,000	221,000	870,000	446,000
United States—						
Uncut Ct.	6,971	12,963	15,087	39,631	16,480	10,230
£	59,220	147,562	145,789	281,404	241,150	151,906
Cut Ct.	3,331	4,765	7,138	5,825	3,418	6,640
£	515,487	1,011,412	645,399	981,657	508,231	1,149,343
Industrial diamonds Ct.	653	1,556	9,758	1,168	11,725	54,413
£	7,525	4,904	22,364	5,849	34,977	194,908
Dust Ct.	79,183	65,853	90,665	215,787	210,841	199,252
£	77,461	65,067	84,575	184,787	220,014	223,111
Brazil	(a)	(a)	(a)	(a)	(a)	(a)
Venezuela .. Ct.	95,503	81,380	93,294	115,188	81,246	(a)
£	666,900	654,000	818,200	655,000	779,000	(a)
Israel—						
Polished .. Ct.	130,771	146,851	183,832	227,169	263,707	345,401
£	4,015,277	4,563,221	5,606,713	7,224,448	8,825,334	11,682,156
Industrial .. Ct.	(a)	(a)	1,246	2,368	911	9,059
£	(a)	(a)	15,687	22,738	8,144	42,446

(a) Information not available.

(b) Revised.

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

IMPORTS OF DIAMONDS
(Less Re-exports)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom Ct.	16,323,493	17,200,576	17,074,599	18,066,889	18,929,124	21,204,865
(b) £	38,643,805	38,373,736	39,604,236	46,399,171	50,926,976	57,737,489
Malta—						
Rough diamonds £	(a)	(a)	476	(a)	(a)	(a)
Cut and polished £	(a)	(a)	5,677	6,620	4,633	2,039
Kenya Ct.	47	54	16	—	—	—
£	2,848	2,795	884	—	—	—
Northern Rhodesia—						
Uncut Ct.	44	—	(a)	(a)	(a)	(a)
£	430	—	(a)	(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	286
£ (S.A.)	—	324	—	1,401	4,709	5,201
Zanzibar Ct.	53	94	63	14	65	—
£	2,660	3,709	3,103	617	2,669	—
Canada—						
Unset Ct.	39,756	50,986	44,033	53,307	53,707	61,466
£	2,072,417	2,521,631	2,255,971	2,889,440	2,832,846	3,247,632
Dust, bort, etc. Ct.	818,749	395,441	364,135	745,354	1,048,064	671,293
£	1,884,666	954,352	678,411	1,259,624	1,911,353	1,377,340
Bermuda £	264,989	(e) 164,682	(e) 300,311	(e) 285,080	(e) 37,134	251,266
Ceylon—						
Cut and polished Ct.	1,679	3,072	3,471	—	141	—
£	97,978	168,022	116,374	—	1,815	—
Industrial diamonds Ct.	(a)	86	—	—	—	—
£	(a)	5,023	—	—	—	—
Hong Kong (total imports)—						
Gem diamonds £	1,693,236	1,928,198	2,050,215	3,796,361	5,313,291	5,851,238
Industrial diamonds £	806	713	3,513	534	—	—
£	2,200	6,885	66,031	72,430	254,446	115,081
India £						
Malaya (total imports)—						
Cut and polished £	13,585	6,683	29,701	34,596	410,813	374,886
Australia (d)—						
Industrial diamonds Ct.	179,412	167,184	46,068	148,682	135,505	124,336
£	335,542	334,026	84,418	286,835	246,006	223,316
Other diamonds Ct.	16,898	9,104	18,955	17,213	19,503	15,171
£	589,641	260,782	766,136	767,394	821,434	714,973
New Zealand—						
Industrial diamonds £ (N.Z.)	448	260	151	392	(e) 747	299
Other diamonds £ (N.Z.)	104,198	178,609	202,926	182,406	193,755	203,170

(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.)
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	17,550,773	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
1957	15,458,540	11,171,222	5,494,860	14,440,920

(d) Years ended June 30 of that stated.

(e) Excess of re-exports.

IMPORTS OF DIAMONDS (cont.)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E. U.—						
Rough diamonds Ct.	2,409,386	2,268,559	2,561,011	3,731,698	4,127,482	4,439,726
£	19,336,835	20,289,873	18,850,057	24,811,113	30,560,199	32,217,552
Cut diamonds .. Ct.	10,472	23,449	62,852	103,653	175,385	140,825
£	524,592	992,221	3,059,597	5,127,909	5,867,427	7,565,402
Industrial, rough and bort Ct.	934,138	1,252,937	1,713,464	2,764,171	2,380,334	2,305,611
£	966,085	2,128,190	2,266,231	4,481,614	4,837,399	4,551,757
France—						
Uncut £	1,286,954	1,607,929	1,596,415	1,872,428	3,013,001	2,521,000
Cut and polished £	1,362,827	1,433,091	2,080,165	1,838,890	2,512,535	2,058,000
Industrial diamonds £	160	3,557	2,011	8,978	5,050	7,000
Netherlands .. £	4,548,000	7,412,000	5,822,000	6,192,000	7,575,000	9,690,000
Norway Ct.	2,575	2,000	1,900	2,000	(a)	(a)
£	2,087	2,003	1,745	1,363	4,427	2,943
Sweden—						
Industrial diamonds £	344,928	334,298	308,534	430,525	363,580	476,400
Mexico—						
Industrial diamonds Ct.	313,710	33,405	33,695	37,955	43,080	13,420
£	21,095	12,713	11,569	7,356	17,230	15,857
United States—						
Uncut Ct.	709,043	730,350	887,702	1,066,637	1,188,332	1,002,696
£	18,707,033	20,285,170	21,147,248	27,526,398	30,801,148	27,649,487
Cut and polished Ct.	438,546	444,362	594,772	707,859	693,142	609,775
£	18,520,302	17,996,988	22,333,932	26,822,061	27,069,938	23,447,450
Industrial diamonds Ct.	13,469,198	12,768,595	13,807,344	14,952,582	16,153,977	12,178,083
£	18,301,117	16,683,966	17,088,329	23,538,435	26,165,807	17,807,963
Dust Ct.	224,429	749,290	181,418	152,732	238,750	386,203
£	284,212	749,983	178,967	155,957	249,191	425,171
Bort, manufactured Ct.	11,631	7,891	2,389	2,771	9,054	6,057
£	140,287	104,101	64,685	73,527	118,897	98,566
Israel—						
Rough diamonds Ct.	360,159	401,907	507,384	544,312	640,216	825,668
£	3,292,527	3,879,556	4,913,447	5,926,861	7,598,653	10,149,779
Industrial diamonds Ct.	3,455	389	934	458	325	13,299
£	55,507	4,381	7,205	5,922	2,973	47,293
Bort Ct.	120,067	107,122	143,690	44,500	42,394	27,844
£	184,005	138,774	118,964	52,913	54,927	43,635
Dust Ct.	14,860	15,495	1,600	2,900	450	6,470
£	12,545	14,681	1,247	1,349	474	8,182
Japan—						
Industrial diamonds Ct.	66,900	103,545	123,005	171,365	650,000	262,520
£	248,000	292,000	296,000	390,000	666,700	1,043,000

(a) Information not available.

DIATOMACEOUS EARTH

PRODUCTION OF DIATOMACEOUS EARTH

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain	17,000	12,477	9,624	22,015	17,287	16,702
Northern Ireland .. .	8,698	7,367	4,174	6,511	5,873	6,109
Kenya	5,932	4,378	3,258	2,950	4,837	4,229
Union of South Africa .. .	1,062	107	935	759	567	541
Canada (shipments) .. .	25	92	4	14	2	150
Australia	6,366	4,440	5,439	5,042	5,789	6,221
New Zealand	204	102	168	556	136	3,158
FOREIGN COUNTRIES						
Austria	3,839	3,067	3,150	3,966	4,900	3,416
Denmark—						
Diatomaceous earth .. .	3,353	2,780	(a)	(a)	(a)	(a)
Moler (b)	100,000	100,000	110,000	120,000	160,000	150,000
Finland	1,103	1,773	1,220	1,838	2,263	3,627
France	61,800	68,070	60,796	62,523	62,094	77,000
Germany (Federal) .. .	47,096	49,555	53,300	60,469	65,081	68,358
Italy	9,380	9,069	9,964	9,496	(b) 10,000	(b) 10,000
Sweden	1,547	1,342	904	1,451	1,110	1,176
Algeria	19,700	25,145	33,300	27,130	23,523	9,250
Egypt	710	104	156	344	285	(e) 295
Costa Rica	670	384	531	2,700	6,015	(e) 5,900
United States	(c) 270,371	(c) 270,371	(d) 328,952	(d) 328,952	(d) 328,952	(a)
Argentina	(a)	(a)	(a)	2,500	2,600	(a)
Chile	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 1951—1953.

(d) Average annual production 1954—1956.

(e) United States Bureau of Mines' estimate.

EXPORTS OF DIATOMACEOUS EARTH
(Domestic Produce)
(Long tons)

Exporting Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Kenya	(a)	(a)	682	887	1,460	1,235
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	296	64	93	127	134	184
Denmark—						
Diatomaceous earth ..	5,170	5,287	5,897	8,276	7,674	8,971
Moler	78,890	74,825	90,547	97,990	119,480	109,940
Moler bricks	8,699	11,293	8,787	16,043	18,557	20,860
Finland	—	—	26	—	—	38
France (b)	1,921	1,890	1,375	1,789	1,674	1,675
Germany (Federal) (b) ..	5,780	5,921	1,947	2,549	2,229	2,442
Italy	137	416	496	1,023	1,300	932
Norway	—	—	1,635	—	—	11
Portugal	74	21	62	51	51	66
Sweden	36	10	15	26	62	57
Algeria (b)	10,435	12,376	14,890	18,425	17,682	16,997
Chile	31	86	30	20	(a)	(a)

(a) Information not available.

(b) Including Tripoli etc.

IMPORTS OF DIATOMACEOUS EARTH

(Less Re-exports)

(Long tons)

Importing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (b) ..	46,006	52,683	57,671	64,896	67,340	69,773
Union of South Africa ..	332	565	695	606	577	803
Canada	14,186	17,277	17,297	19,784	18,819	22,579
Australia (c) ..	1,078	1,480	1,645	3,944	4,394	4,795
New Zealand	394	739	717	1,130	1,024	1,690
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	11,821	9,464	2,535	2,682	3,324	2,874
Denmark	163	280	271	350	575	543
Finland	338	374	704	1,414	534	444
France (d)	6,085	6,848	7,986	12,074	11,858	10,374
Germany (Federal) (d) ..	42,651	40,267	53,583	57,674	70,629	61,008
Iceland	2	10	156	1,126	898	954
Italy	1,390	1,819	761	613	665	1,065
Netherlands	2,676	4,945	4,296	4,892	5,723	6,111
Norway	2,946	2,026	2,273	4,036	4,152	4,677
Portugal	101	117	171	242	344	534
Sweden	411	882	755	1,616	2,141	2,318
Yugoslavia	44	515	81	129	1	7
Algeria (d)	33	95	71	73	45	107
Egypt	453	1,219	957	1,026	(a)	(a)
Morocco (Southern)	768	1,087	597	344	260	271
Cuba (e)	2,338	3,012	2,029	2,754	2,818	(a)
Mexico (e)	1,969	4,214	2,894	3,848	(d) 3,878	(d) 2,875
Brazil (e)	(a)	77	879	607	785	908
Chile (d)	101	34	77	8	(a)	(a)
Colombia	333	686	429	507	496	701
Peru (d)	556	42	880	850	946	1,091
Venezuela (d)	635	896	1,140	(a)	1,147	1,350
Japan	1,078	4,018	2,009	1,898	1,985	3,131

(a) Information not available.

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

1952	34,782 long tons
1953	34,496 " "
1954	42,774 " "
1955	45,484 " "
1956	50,021 " "
1957	(a) " "

(c) Years ended June 30 of that stated.

(d) Including Tripoli, etc.

(e) Total imports.

FELSPAR

PRODUCTION OF FELSPAR

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain—						
China stone	69,817	62,309	63,960	63,305	59,329	60,017
Kenya	—	—	—	—	—	120
Nigeria	(a)	(a)	(a)	(a)	14	—
Union of South Africa ..	7,361	5,480	3,526	6,421	9,729	11,381
Canada	18,096	18,970	14,371	16,207	16,208	18,364
Hong Kong	—	—	—	120	20	1,156
India	2,020	3,881	6,476	5,230	3,263	7,872
Australia (including china stone)	13,589	6,883	16,384	20,833	18,629	8,819
FOREIGN COUNTRIES						
Austria	2,538	1,332	2,137	2,510	2,677	2,612
Belgium	275	—	808	(a)	(a)	(a)
Finland	9,635	9,156	10,830	12,529	8,799	8,932
France	(c) 85,716	(c) 75,600	61,000	72,000	71,000	65,000
Germany (Federal) (b) ..	117,407	114,191	138,322	169,718	172,717	188,268
Italy	21,249	24,342	28,448	52,097	49,495	57,236
Norway—						
Unground	21,704	12,514	16,373	32,178	63,973	(a)
Ground	7,131	5,896	11,390	12,079	15,275	(a)
Portugal	689	59	—	592	912	1,161
Spain	10,195	10,495	8,160	5,041	3,524	4,472
Sweden (sales)—						
Unground	33,105	24,413	35,328	31,317	31,625	29,906
Ground	14,010	12,920	16,166	18,321	20,875	22,588
Madagascar	—	24	—	—	—	—
United States (sales) ..	420,831	452,600	411,018	465,378	622,429	611,801
Argentina	(a)	(a)	(a)	5,000	5,000	(a)
Chile	592	2,047	1,319	821	826	(d) 800
Uruguay	884	779	696	381	—	168
Japan	23,812	24,682	33,626	30,587	48,665	44,977
TOTAL*	890,000	870,000	890,000	1,020,000	1,200,000	1,230,000

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

Note.—Production of nepheline syenite in Canada was as follows (long tons): 1952—73,822; 1953—101,201; 1954—110,419; 1955—130,418; 1956—160,720; 1957—181,198.

(a) Information not available.

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

(c) Including pegmatite.

(d) Estimated.

EXPORTS OF FELSPAR

(Domestic Produce)

(Long tons)

Exporting Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Canada	5,679	6,114	943	1,273	1,611	3,613
Australia (b)	465	616	187	235	340	92
FOREIGN COUNTRIES						
Austria	16	32	19	20	47	21
Finland	6,956	6,658	6,584	6,348	6,644	5,579
France	5,910	6,679	9,302	11,927	(d) 14,999	(d) 12,930
Germany (Federal) ..	(c) 67,397	(c) 61,125	(c) 59,597	(c) 52,479	6,077	7,703
Italy	1,370	2,048	3,241	6,011	6,577	6,904
Netherlands	2,244	2,109	3,257	5,700	4,569	3,232
Norway—						
Crude	21,503	16,464	15,988	28,416	41,118	31,379
Ground	3,896	4,844	8,836	8,940	12,333	15,724
Sweden	30,534	23,701	31,527	36,621	39,449	36,224
Yugoslavia	(a)	(a)	(a)	(a)	36	2,601
Japan	317	393	454	529	874	719

Note.—Exports of nepheline syenite from Canada were as follows (long tons): 1952—50,288; 1953—68,192; 1954—74,957; 1955—105,603; 1956—124,379; 1957—146,734.

(a) Information not available.

(c) Including fluorspar.

(b) Years ended June 30 of that stated.

(d) May include some leucite and nephelite.

IMPORTS OF FELSPAR

(Less Re-exports)

(Long tons)

Importing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom ..	23,038	14,546	17,510	24,458	35,198	31,560
Canada	138	300	355	122	175	215
Australia (b)	594	45	219	241	—	—
New Zealand	449	164	85	530	671	544
FOREIGN COUNTRIES						
Austria	715	340	593	1,240	1,384	1,807
Denmark	2,772	3,117	3,293	3,961	4,426	3,237
Finland	20	20	39	2	3	35
France	10,107	4,101	3,279	5,925	(d) 8,251	(d) 4,878
Germany (Federal) ..	(c) 12,092	(c) 10,200	(c) 21,025	(c) 27,622	21,314	21,034
Italy	950	1,420	1,430	2,400	2,410	4,487
Netherlands	8,428	10,676	13,432	16,746	16,093	15,749
Sweden	165	2	15	13	5	10
Algeria	422	210	463	401	(d) 498	(d) 380
Belgian Congo (c) ..	(a)	40	203	300	46	126
Morocco (Southern) ..	(e) 125	(e) 157	(e) 252	(e) 253	(d) 203	(d) 315
Mexico (f)	2,213	4,166	3,833	5,141	5,187	4,060
United States	5,576	5,999	977	1,359	1,632	4,041
Colombia (c)	50	13	38	89	53	249
Venezuela (f)	88	140	202	(a)	1,214	1,596
Israel	484	592	1,050	1,066	1,212	1,860
Japan	2,991	1	184	33	—	—

(a) Information not available.

(d) May include some leucite and nephelite.

(b) Years ended June 30 of that stated.

(e) Including pegmatite.

(c) Including fluorspar.

(f) Total imports.

FLUORSPAR
PRODUCTION OF FLUORSPAR
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (b) ..	75,823	79,128	82,685	85,924	91,550	93,274
Southern Rhodesia ..	—	333	107	429	842	87
South West Africa ..	4,348	5,037	2,737	603	—	21
Swaziland	—	—	—	—	40	—
Union of South Africa ..	10,128	14,312	19,639	29,321	31,308	31,345
Canada	73,381	79,079	106,222	114,387	125,065	61,128
Australia	86	333	19	282	745	700
FOREIGN COUNTRIES						
France	70,389	62,234	73,025	84,699	80,000	92,000
Germany—						
Federal Republic ..	154,853	166,762	179,070	161,558	157,514	136,984
East (c)	80,000	80,000	80,000	80,000	80,000	80,000
Italy	56,738	74,593	75,627	100,174	122,924	141,888
Norway	669	694	436	283	177	296
Spain	61,517	50,381	72,350	65,762	72,572	86,969
Sweden (sales) ..	4,398	4,262	3,697	1,303	871	2,648
Morocco (Southern) ..	3,252	2,846	1,060	10	152	—
Tunis	2,435	2,009	—	—	—	—
Mexico (e)	177,393	154,609	130,534	178,769	321,533	348,042
United States (d) ..	298,008	283,961	219,311	249,589	294,392	293,636
Argentina	7,037	(a)	(a)	11,000	13,000	(a)
Bolivia (e)	79	18	190	507	267	—
Japan	3,890	6,434	6,046	5,123	7,956	7,504
Korea (South)	5,411	11,017	8,872	9,922	3,066	5,040
TOTAL* ..	1,210,000	1,210,000	1,200,000	1,310,000	1,530,000	1,520,000

* Including estimates for fluorspar produced in the U.S.S.R., Brazil and China.

(a) Information not available.

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

(c) United States Bureau of Mines' estimate.

(d) Shipments from mine.

(e) Exports.

EXPORTS OF FLUORSPAR

(Domestic Produce)

(Long tons)

Exporting Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
South West Africa ..	3,187	5,018	2,735	603	—	—
Union of South Africa ..	5,657	17,424	15,188	16,289	17,452	21,721
Canada	16,674	21,400	53,471	52,134	69,982	21,098
FOREIGN COUNTRIES						
France	2,284	3,053	3,859	4,035	3,613	1,846
Germany (Federal) ..	(b) 67,397	(b) 61,125	(b) 59,597	(b) 52,479	39,307	37,364
Italy	34,073	48,934	40,858	83,872	61,559	77,741
Norway	195	81	—	—	122	—
Spain	(a)	53,375	47,168	59,789	61,108	66,321
Sweden	52	48	69	14	1	26
Morocco (Southern) ..	2,047	3,060	144	225	288	—
Tunis	2,057	2,247	—	—	—	—
Mexico	177,393	154,609	130,534	178,769	321,533	348,042
United States	603	685	574	780	175	674
Argentina	(a)	(a)	(a)	(a)	(a)	838
Bolivia	79	18	190	507	267	—
Korea (South)	3,682	4,870	15,007	7,585	12,702	10,208

(a) Information not available.

(b) Including felspar.

IMPORTS OF FLUORSPAR

(Less Re-exports)

(Long tons)

Importing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Canada	20,280	18,001	14,500	19,393	25,132	12,988
Australia (c)	1,003	517	713	543	344	530
New Zealand	24	12	10	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria	3,667	4,987	7,855	10,406	9,548	9,125
Denmark	394	1,046	815	1,075	1,004	1,013
France	635	280	296	98	735	4,652
Germany (Federal) ..	(b) 12,092	(b) 10,200	(b) 21,025	(b) 27,622	13,614	10,897
Netherlands	3,600	7,727	8,225	5,939	5,233	7,484
Norway	130	491	415	1,000	1,131	1,061
Portugal	20	40	84	102	248	67
Sweden	4,388	6,892	5,078	6,849	8,762	8,675
U.S.S.R.	(a)	(a)	(a)	73,700	116,500	114,300
Yugoslavia	(a)	495	595	1,016	2,173	818
Algeria	83	147	157	159	262	65
Belgian Congo (b) ..	(a)	40	203	300	46	126
Mexico (d)	4	10	4	—	1	53
United States	314,735	321,044	261,893	324,482	433,529	563,721
Brazil (d)	(a)	295	1,552	32	1,011	960
Colombia (b)	50	13	38	89	53	249
Peru	200	371	110	245	10	219
Venezuela (d)	19	50	153	(a)	250	214
Japan	10,424	19,500	30,566	30,849	49,641	57,458

(a) Information not available.

(b) Including felspar.

(c) Years ended June 30 of that stated.

(d) Total imports.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Union of South Africa ..	1,704	894	1,576	2,233	2,636	1,376
India	8,132	4,871	1,333	7,838	5,457	4,568
Australia	110	106	73	71	235	215
FOREIGN COUNTRIES						
United States (sales) ..	377,547	389,140	336,001	330,106	372,960	326,876

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

EXPORTS OF FULLER'S EARTH*
(Long tons)

Exporting Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Australia (b)	—	—	5	—	—	—
FOREIGN COUNTRIES						
United States (c) ..	23,200	16,100	10,700	15,600	(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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Union of South Africa ..	596	657	940	721	752	951
Canada	(£62,798)	(£49,756)	(£43,849)	(£40,862)	(£52,461)	(£55,854)
Ceylon	61	58	98	110	73	135
Australia (c)	390	31	154	268	233	152
New Zealand	126	122	237	179	200	196
FOREIGN COUNTRIES						
Mexico (d)	2,681	2,597	2,795	3,511	(b) 7,878	(b) 5,350
United States—						
Crude	18	—	} (a)	(a)	(a)	(a)
Prepared	122	198		(a)	(a)	(a)
Chile	41	13	86	11	(a)	(a)
Peru	374	324	500	744	606	568
Venezuela (d)	388	108	602	(a)	417	169
Philippine Republic ..	14	198	322	490	(a)	(a)

(a) Information not available.

(b) Including other bleaching earths.

(c) Years ended June 30 of that stated.

(d) Total imports.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Bechuanaland Protectorate	1,245	1,109	1,216	560	590	190
Ghana	691,460	730,963	787,075	687,151	637,755	790,381
Kenya	10,210	9,603	6,607	9,528	13,843	7,388
Nigeria	1,079	689	730	688	440	389
Northern Rhodesia	2,523	3,308	2,648	2,234	3,367	3,296
Southern Rhodesia	496,731	501,057	535,852	524,701	536,392	536,849
Sierra Leone	2,638	1,412	210	468	102	(b) —
Swaziland	1	—	—	—	252	7
Tanganyika (c)	68,274	74,070	73,756	75,135	69,699	63,485
Uganda (b)	166	429	456	354	237	182
Union of South Africa	11,818,681	11,940,616	13,237,119	14,601,404	15,896,693	17,030,737
Canada	4,471,725	4,055,723	4,366,440	4,541,962	4,383,863	4,436,101
British Guiana	22,237	19,247	25,726	22,459	15,024	15,286
India	253,264	223,376	239,168	211,464	209,251	179,193
Malaya (estimated)	18,800	17,400	19,900	21,600	19,200	10,600
Sarawak	843	417	531	463	599	883
Australia	980,435	1,075,181	1,117,742	1,049,039	1,029,821	1,083,941
Fiji	78,282	76,970	72,340	71,849	67,475	73,629
New Guinea and Papua	127,580	120,848	86,728	79,092	79,476	69,029
New Zealand	59,151	38,656	41,713	26,443	26,063	30,195
TOTAL	19,107,000	18,893,000	20,618,000	21,927,000	22,990,000	24,332,000
FOREIGN COUNTRIES						
Finland	19,741	19,483	16,976	18,808	18,229	21,895
France	68,735	64,687	15,947	30,286	30,608	29,000
Germany	2,025	6,430	4,665	3,839	(a)	(a)
Greece	—	2,048	7,620	6,655	3,504	(a)
Italy	16,731	13,876	5,973	6,160	5,948	6,346
Portugal	17,940	14,854	22,055	28,807	22,120	23,277
Roumania	(a)	(a)	(a)	(a)	(a)	(a)
Sweden	65,877	88,254	110,277	98,767	95,745	97,095
Angola	40	20	35	57	34	(a)
Belgian Congo	368,769	371,020	365,490	369,926	373,849	374,235
Cameroon (French)	2,318	950	686	518	429	10,136
Egypt	17,078	14,452	17,387	6,524	7,679	(a)
Eritrea	699	1,363	1,484	161	3,215	4,501

(a) Information not available.

(b) Exports.

(c) Including gold in lead concentrates exported amounting to 2,738 ounces in 1952, 3,827 ounces in 1953, 3,051 ounces in 1954, 6,141 ounces in 1955, 11,871 ounces in 1956 and 9,192 ounces in 1957.

PRODUCTION OF GOLD (cont.)

(Fine troy ounces)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Ethiopia	(b) 27,291	(b) 26,696	(b) 33,894	22,058	25,700	(d) 25,000
French Equatorial Africa	45,971	48,220	40,317	43,295	37,854	28,165
French West Africa (f)	1,331	1,460	362	518	388	331
Liberia (c)	949	863	1,135	672	500	381
Madagascar	1,606	1,554	1,363	981	894	842
Morocco (Southern)	4,051	2,537	3,568	4,276	264	—
Mozambique	831	1,034	2,027	1,247	1,222	1,080
Sudan	1,545	2,175	1,554	1,526	3,100	1,158
Costa Rica (d)	2,000	6,500	5,700	300	300	300
Cuba (e)	881	1,181	677	2,024	1,008	915
Dominican Republic	332	—	—	—	290	286
Guatemala (e)	4	3	1	1	7	(a)
Honduras	35,040	38,988	(h) 49,516	(a)	(a)	(a)
Mexico	459,370	483,483	386,902	382,883	350,250	346,328
Nicaragua	254,059	261,899	232,212	237,376	217,140	203,636
Salvador	25,732	19,934	5,326	3,818	3,271	2,508
United States	1,893,261	1,958,293	1,837,310	1,880,142	1,831,765	1,793,597
Argentina	(d) 8,000	(d) 8,000	(d) 8,000	(d) 6,000	6,858	(a)
Bolivia (c)	9,000	1,029	215,121	73,816	24,118	46,938
Brazil	136,764	115,871	119,536	109,602	122,237	(a)
Chile	168,026	130,693	147,604	134,744	76,680	(a)
Colombia	422,240	437,295	377,467	380,824	438,347	325,114
Dutch Guiana	6,129	6,482	6,771	7,202	6,721	6,516
Ecuador	24,267	29,239	18,479	15,289	15,076	16,247
French Guiana	5,927	(c) 4,384	1,371	8,700	5,800	(c) 9,000
Peru	(g) 134,865	141,193	147,424	170,747	159,074	165,052
Venezuela	4,797	27,304	56,074	61,140	69,767	89,873
Burma	43	567	170	124	126	(c) 166
Formosa	28,109	21,551	23,116	28,100	33,131	20,548
Japan	200,936	228,255	243,149	240,732	241,422	251,305
Korea (South)	18,390	15,850	52,406	47,037	50,670	66,134
Philippine Republic	469,408	480,625	416,052	419,112	406,163	379,982
Saudi Arabia	69,394	81,566	31,240	—	—	—
* TOTAL	5,200,000	5,300,000	5,100,000	5,000,000	5,000,000	5,000,000
* WORLD'S TOTAL (excl. U.S.S.R.)	24,300,000	24,200,000	25,700,000	26,900,000	28,000,000	29,000,000

* 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 9-10 million ounces in recent years.

(a) Information not available.

(b) Annual Report of the U.S. Mint.

(c) Exports.

(d) Estimated.

(e) Imports into the United States.

(f) European producers only.

(g) Including gold recovered from anode residues.

(h) Year ended June 30 of that stated.

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

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (e)—						
Bullion—						
Unrefined	—	2,411	—	—	—	—
Refined	5,839,099	6,222,000	5,720,786	6,749,299	10,372,551	11,258,836
Coin	732,000	207,000	47,000	58,000	53,000	41,000
Ghana—						
Bullion	704,594	732,636	787,874	723,905	599,340	788,151
Kenya*—						
Bullion	15,000	10,600	7,000	9,700	13,600	7,300
Nigeria—						
Bullion	5	59	379	200	—	230
Northern Rhodesia—						
Bullion	4	—	(b)	(b)	(b)	(b)
Sierra Leone*—						
Bullion	2,000	3,000	2,100	200	400	—
Southern Rhodesia—						
Concentrates, etc.* ..	5,300	4,900	(c) 5,000	(c) 1,300	(c) 2,100	(c) 2,400
Bullion	501,835	505,558	(c) 522,555	(c) 515,699	(c) 515,030	(c) 547,140
Tanganyika—						
Concentrates	2,738	3,837	3,141	6,141	11,871	9,192
Bullion (refined) ..	64,693	69,876	71,357	68,892	59,293	54,088
Uganda—						
Bullion	166	429	456	354	237	200
Union of South Africa—						
Ore and concentrates* ..	11,000	8,900	5,800	3,700	3,300	8,200
Bullion	7,597,000	7,947,000	12,535,000	14,203,000	15,438,000	17,335,000
Gold products	4,825,000	4,044,000	—	—	—	—
British Guiana—						
Bullion	15,007	11,357	16,196	13,204	6,224	7,699
Aden (e)*—						
Bullion and coin ..	70	—	—	—	—	—
India—						
Bullion	—	4	1,019	—	402	(a)
Malaya—						
Bullion	13,449	14,806	19,849	13,900	14,990	9,348
Hong Kong*—						
Bullion (e)	2,600	106,000	1,554,000	1,691,000	2,286,000	1,853,000
Sarawak—						
Bullion	777	512	530	477	687	847
Australia— (d)						
Ores, etc.	14,503	12,441	12,526	11,133	13,427	21,817
Bullion, refined ..	} 416,652	} 1,243,953	} 871,253	} 855,688	} 523,940	} 908,224
do. unrefined ..						
Fiji—						
Bullion	80,189	70,467	78,411	73,989	67,130	76,620
New Guinea (d)—						
Bullion	110,214	138,694	90,857	85,726	71,519	78,428

* 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.

(d) Years ended June 30 of that stated.

(b) See under Southern Rhodesia.

(e) Including foreign produce.

(c) Federation of Rhodesia and Nyasaland.

EXPORTS OF GOLD (cont.)
(Fine troy ounces)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES (cont.)						
New Zealand—						
Auriferous quartz, etc.	112	90	830	1,295	—	—
Bullion, etc.	64,000*	41,000*	38,000*	19,000*	20,450	26,770
Sweepings and scrap ..	409	—	(a)	(a)	(a)	(a)
Papua (b)—						
Bullion	146	141	280	1,065	491	397
Irish Republic*—						
Bullion (c)	1,200	1,600	1,800	200	1,000	1,700
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.(c)—						
Bullion and scrap ..	(a)	246,000*	83,600	42,000	158,000	90,000
France (c)—						
Bullion and scrap ..	5,694,000	6,666,000	4,430,000	3,557,000	3,372,000	2,403,000
Coin	1,738,000	1,426,000	194,000	120,000	90,000	32,000
Beaten, rolled or drawn	1,276,000	109,000	41,000*	58,000*	70,000	55,000*
Germany (Federal) (c)						
Unwrought	(a)	(a)	330,000*	60,000	38,000	49,000
Netherlands (c)—						
Bullion, etc.	1,712,000	2,367,000	1,783,000*	581,000*	46,000*	303,000*
Coin*	319,000	61,000	2,700	75	382,000	246,000
Sweden (c)—						
Bullion	142,000	102,000	37,000*	13,000*	43,000*	44,000*
Switzerland (c)—						
Unwrought	7,700	10,600	48,000	44,000	52,000	79,000
Belgian Congo—						
Bullion	400,000	381,000*	362,000	370,000*	368,000*	363,000
Cameroon (French)—						
Bullion	2,600	1,000	1,200	900	600	1,400
Ethiopia	10,000	(a)	(a)	(a)	(a)	(a)
French Equatorial Africa						
Bullion	39,000	30,000	40,000	43,000	43,000	30,000
French West Africa—						
Bullion	1,100	1,300	200	—	—	—
Liberia—						
Bullion	949	863	1,135	672	500	381
Madagascar—						
Bullion	—	60	38	31	—	—
Mozambique—						
Bullion	—	300	1,000*	1,100	63,000	600
Sudan*—						
Bullion	—	200	100	400	900	1,500
Dominican Republic—						
Bullion and scrap ..	332	(a)	(a)	(a)	(a)	(a)
Honduras—						
Bullion, etc.	35,489	47,543	20,429	817	(a)	2,028
Mexico—						
Bullion	3,910,000	948,000	3,084,000	57,000	44,000	57,000
Nicaragua—						
Bullion	254,675	259,061	233,149	228,621	215,746	196,133
Panama—						
Bullion	945	—	—	—	—	(a)
Salvador—						
Bullion, etc.	28,000	23,000	—	4,000	3,000	3,000

(a) Information not available.

(c) Including foreign produce.

(b) Years ended June 30 of that stated.

EXPORTS OF GOLD (cont.)
(Fine troy ounces)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
United States—						
Ore and base bullion ..	1,835	1,124	3,495	11,202	19,962	23,953
Refined bullion ..	782,526	853,126	490,462	151,008	713,900	4,781,780
Coin*	766,000	356,000	55,000	(a)	(a)	(a)
Argentina (b)—						
Bullion and coin ..	355,000	—	—	400	27,000	(a)
Bolivia—						
Ore	1,190	1,032	804	54,913	868	450
Bullion	7,845	—	214,317	18,905	23,250	46,490
Chile—						
Ores and concentrates..	48,841	63,104	68,897	80,440	(a)	(a)
Colombia—						
Bullion	250,000	257,825	339,375	364,039	419,221	114,674
Dutch Guiana—						
Bullion	6,000	6,500	—	7,200	—	—
Ecuador—						
Concentrates* ..	20,000	25,000	18,000	13,000	16,000	17,000
French Guiana—						
Bullion	7,000	4,000	1,200	8,000	1,000	9,000
Peru—						
Ores, concentrates, etc.	18,922	17,351	23,744	28,933	34,329	31,407
Bullion	108,336	79,931	51,448	51,779	68,268	259,458
Venezuela—						
Bullion*	2,000	2,000	4,000	21,000	59,000	(a)
Philippine Republic—						
Concentrates and matte	12,000	38,841	23,870	6,001	31,000	21,617
Bullion etc.	116,000	33,969	24,551	110,922	124,817	—
Lebanon (b)—						
Coin	(a)	(a)	81,000	96,000	121,000	106,000

(a) Information not available.

(b) Including foreign produce.

TOTAL IMPORTS OF GOLD*

(Metal content)

(Fine troy ounces)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ore, etc.*	410,000	346,000	48,000	46,000	44,000	50,000
Bullion—						
Unrefined	3,219,019	2,418,568	1,733,127	1,651,966	1,401,223	1,509,553
Refined	9,494,870	9,275,064	14,309,297	14,837,704	17,281,124	22,491,593
Coin	34,000	9,000	21,000	20,000	23,000	36,000
Malta*—						
Bullion and coin	7,300	5,600	7,300	7,200	11,900	7,300
Ghana—						
Bullion	—	—	—	250	249	—
Kenya*—						
Bullion	2,700	2,700	700	1,500	200	250
Nigeria—						
Bullion and coin	—	—	—	237	405	672
Southern Rhodesia*—						
Concentrates	7,800	200	100	100	200	300
Tanganyika*—						
Bullion	160	640	110	150	—	—
Uganda*—						
Bullion	1,200	1,200	500	1,000	600	900
Zanzibar*—						
Bullion	1,100	800	300	1,200	1,300	1,000
British West Indies—						
Jamaica*—						
Bullion	200	400	} 100	100	300	(a)
Coin	(a)	(a)				
Trinidad and Tobago*—						
Bullion	230	530	1,000	1,500	2,000	5,000
Ceylon*—						
Bullion (b)	14,000	12,000	20	8,500	22,000	11,000
Cyprus*—						
Bullion	390	270	170	200	400	2,600
Hong Kong*—						
Bullion	—	105,000	1,564,000	1,776,000	2,208,000	1,853,000
Coin	—	—	11,000	41,000	18,000	3,500
India—						
Bullion	35,960	1,255	2,139	3,028	6,498	(a)
Coin	400	119	65	14	372	(a)
Malaya—						
Bullion	896	658	532	476	685	846
Sarawak—						
Bullion	7	510	(c) 1,100*	(c) 4,200*	(c) 4,400*	(c) 3,600*
Australia (d)—						
Bullion	208,127	228,387	189,629	175,039	175,649	143,852
Fiji—						
Bullion	8	40	56	33	184	175
New Zealand—						
Concentrates	16	53	78	9	35	6
Bullion	556	509	787	594	1,821	3,186
Beaten, rolled or drawn	140*	220*	170*	163	414	125
Irish Republic*—						
Bullion	—	—	—	—	1,400	—

* See note on page 128.

(a) Information not available.

(b) Including partly worked.

(c) Including coin and partly worked.

(d) Years ended June 30 of that stated.

IMPORTS OF GOLD (cont.)

(Fine troy ounces)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Bullion, scrap, etc. ..	(a)	414,000*	418,000	407,000*	852,000	831,000*
Finland—						
Bullion and scrap ..	200	—	143,000	700	600	150
France—						
Bullion and scrap ..	4,673,000	5,629,000	4,142,000	1,321,000	3,828,000	2,655,000
Coin	744,000	305,000	77,000	26,000	62,000	20,000
Beaten, rolled or drawn	2,421,000	1,689,000	32	100	100	3,000
Germany (Federal)—						
Unwrought*	(a)	(a)	861,000	808,000	971,000	1,388,000
Italy—						
Bullion and scrap ..	4,000	3,000	11,000	15,000	16,000	21,000
Coin	168,000	—	—	—	—	—
Netherlands—						
Bullion	1,212,000	2,218,000	1,757,000	314,000*	242,000*	137,000
Coin	256,000*	344,000*	4,000	5,000*	13,000	111,000
Norway—						
Sheets and rolled ..	200	1,200*	1,300	(a)	8,000	200
Sweden—						
Bullion*	116,000	90,000	6,000	7,400	7,000	7,000
Switzerland—						
Unwrought	78,400	108,500*	30,000	27,000	43,000*	33,000
Algeria—						
Bullion	157,000	127,000	166,000	119,000	—	—
Coin	93,500	68,000*	46,000	51,000	—	—
Beaten, rolled or drawn	16,800	17,000*	18,000*	22,000*	19,000*	20,000*
Egypt—						
Bullion	322,000	8,500	7,000	800	(a)	(a)
Coin	29,000	3,800	100	100*	(a)	(a)
Mozambique—						
Bullion	98,000	99,000	106,000	113,000	100,000	103,000
Mexico—						
Bullion	1,966,000	948,000	1,000	572,000	573,000	573,000
United States—						
Ore and base bullion ..	630,714	661,696	822,684	1,071,270	1,197,136	1,185,917
Refined bullion ..	20,508,873	682,261	260,321	1,858,736	2,532,611	6,515,253
Coin*	2,500	1,000	500	5,000	—	(a)
Brazil—						
Bullion	2,000	100	76,000	16,000	1,000	1,000
Uruguay—						
Bullion and scrap ..	270,000	21,000	(a)	(a)	(a)	(a)
Philippine Republic—						
Bullion	101,000	172,864	105,771	(a)	18,595	8,646
Lebanon—						
Bullion and scrap ..	276,000	344,000	1,158,000	437,000	358,000	628,000
Coin	80,000	71,000	18,000	16,000	17,000	57,000
Syria—						
Bullion and scrap (b) ..	105,000	170,000	264,000	359,000	305,000	27,000

(a) Information not available.

(b) Gross weight.

GRAPHITE

PRODUCTION OF GRAPHITE

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Kenya	34	183	310	216	533	943
South West Africa (crude)	1,165	—	103	903	—	—
Tanganyika (crude) ..	—	19	—	—	23	—
Union of South Africa ..	347	369	1,246	1,633	1,662	1,562
Canada (b)	1,821	3,095	2,199	—	—	—
Ceylon (c)	7,659	7,218	7,728	9,878	9,207	8,190
Hong Kong	—	200	1,840	1,535	2,442	3,305
India	2,881	767	1,479	1,613	(a)	(a)
Australia	80	15	70	22	10	—
FOREIGN COUNTRIES						
Austria (crude)	19,499	14,451	17,128	17,533	18,390	18,622
Czechoslovakia (crude)	(a)	(a)	(a)	(a)	(a)	(a)
Germany (Federal) ..	8,821	7,341	9,328	10,317	11,498	11,209
Italy	4,319	5,117	3,718	2,317	2,554	3,258
Norway	4,056	2,906	3,565	5,330	4,996	(a)
Spain	771	314	403	320	295	272
Sweden (crude)	—	—	—	276	394	734
Madagascar—						
Flake	14,158	9,533	7,620	9,567	9,429	8,130
Powder	4,028	3,723	4,241	4,892	6,151	7,039
Morocco (Southern) ..	21	97	—	—	—	—
Morocco (Northern) ..	16	—	—	115	122	—
Mexico	23,772	29,852	21,440	28,877	29,156	23,158
United States	5,005	5,608	(a)	(a)	(a)	(a)
Argentina (a)	—	(a)	(a)	2	344	(a)
Brazil	838	579	900	764	517	794
Japan	4,577	4,007	4,031	3,073	3,354	4,712
Korea (South)—						
Flake	250	673	703	—	520	256
Other	14,578	19,630	12,997	88,596	60,516	145,014
TOTAL*	133,000	130,000	120,000	210,000	190,000	270,000

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

(a) Information not available.

(b) Sales.

(c) Exports.

EXPORTS OF GRAPHITE

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Crucibles	3,072	1,813	2,068	2,829	2,638	2,574
Kenya	(a)	(a)	352	338	421	662
South West Africa	1,437	—	39	676	—	—
Tanganyika (crude)	—	19	—	—	23	—
Union of South Africa	75	98	62	—	24	39
Canada	1,505	2,904	1,925	7	2	2
Ceylon	7,659	7,218	7,728	9,878	9,162	8,235
Hong Kong (d)	150	119	1,565	2,014	5,217	4,788
Australia (c)	53	18	17	15	4	10
FOREIGN COUNTRIES						
Austria	13,277	9,956	12,583	12,418	13,716	14,055
Belgium-Luxemburg						
E.U.	24	10	68	33	22	32
Denmark	131	2	7	20	40	20
France	532	329	549	749	585	770
Germany (Federal)	5,005	4,649	4,470	4,909	6,080	5,399
Italy	1,680	1,583	1,514	1,680	1,358	1,801
Netherlands (b)	241	174	162	446	885	1,136
Norway	3,753	2,789	3,117	5,241	5,102	5,626
Sweden	—	—	—	1	2	1
U.S.S.R.	(a)	(a)	(a)	5,500	4,500	4,200
Madagascar	17,203	13,393	12,538	16,507	15,158	16,052
Morocco (Southern)	44	37	53	32	1	2
Morocco (Northern)	16	(a)	194	115	47	(a)
Mozambique	25	—	—	40	—	—
Mexico	23,772	30,897	21,367	29,768	27,235	22,074
United States	1,594	1,572	713	1,244	948	1,204
Brazil	136	—	104	5	4	—
Japan	518	297	585	691	443	356
Korea (South)	35,728	15,487	31,559	59,589	95,551	142,634

(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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Natural	9,636	7,883	8,082	12,167	9,526	8,295
Artificial	25	—	48	1,321	1,880	3,480
Mauritius—						
Crucibles	4	3	4	5	5	5
Southern Rhodesia	20	38	(b) 56	(b) 83	(b) 64	(b) 57
Union of South Africa	1,368	92	141	119	118	151
Canada—						
Unground	(£35,772)	(£45,394)	(£19,921)	(£23,563)	(£31,973)	(£27,645)
Ground, including manufactures	(£159,212)	(£174,001)	(£201,034)	(£204,143)	(£296,503)	(£279,378)
Crucibles	(£78,179)	(£78,363)	(£57,332)	(£73,769)	(£94,545)	(£88,557)
Cyprus	2	(a)	(a)	(a)	(a)	(a)
Hong Kong (f)	1,768	3,298	829	503	1,536	1,728
India—						
Graphite	326	634	384	692	827	1,088
Crucibles	82	160	195	86	496	(a)
Malaya (f)	(a)	(a)	53	123	123	103
Pakistan—						
Graphite	(c) 26	(c) 39	(c) 85	(c) 17	71	111
Crucibles	(c) 23	(c) (a)	(c) 64	(c) 36	—	15
Australia (e)	1,346	613	915	1,013	764	1,009
New Zealand	63	27	30	48	27	52
FOREIGN COUNTRIES						
Austria—						
Graphite	274	163	177	641	872	1,157
Crucibles, etc.	184	116	146	196	181	215
Belgium-Luxemburg						
E.U.—						
Crude and ground	2,043	1,465	1,637	2,311	2,805	1,971
Denmark—						
Graphite	578	505	698	1,143	1,061	1,208
Crucibles	82	62	93	102	105	101
Finland	197	204	359	341	199	266
France	4,897	3,626	3,776	5,060	4,534	4,782
Germany (Federal)	5,250	5,621	7,320	10,176	11,447	12,450
Iceland	16	16	5	11	24	10
Italy	4,853	2,483	2,792	2,615	4,429	6,354
Netherlands (d)	1,184	1,047	990	888	1,131	1,059
Norway—						
Graphite	157	179	198	220	258	346
Crucibles, etc.	123	73	96	97	121	98
Portugal	88	69	29	51	84	56
Sweden	909	593	733	905	982	1,668
Yugoslavia	1,006	933	1,031	1,129	521	953
Algeria	14	7	1	6	1	4
Egypt	93	52	183	244	(a)	(a)
Mozambique	—	—	3	2	3	3
Tunis—						
Graphite	(a)	2	6	3	3	3

(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) Total imports.

IMPORTS OF GRAPHITE (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mexico (<i>d</i>)—						
Graphite	266	180	190	209	100	90
Crucibles	184	110	128	240	212	205
United States (<i>b</i>)	37,899	45,572	36,274	43,361	42,684	37,073
Argentina	1,461	298	697	800	402	616
Brazil (<i>d</i>)—						
Graphite	158	—	4	5	—	—
Crucibles	239	60	518	173	(a) 260	(a) 291
Chile	84	34	37	83		
Colombia (<i>c</i>)	149	11	22	18	29	38
Peru (<i>c</i>)	16	29	40	127	100	26
Uruguay	6	15	(a)	(a)	(a)	(a)
Venezuela (<i>d</i>)	16	46	28	(a)	84	155
Formosa	235	1,010	1,921	1,887	1,521	2,123
Indonesia (<i>c</i>)	278	215	138	276	284	190
Israel—						
Crucibles	45	48	37	42	59	34
Lebanon (<i>c</i>)	4	11	10	20	35	11
Japan	25,873	14,999	34,944	86,372	110,910	148,831
Philippine Republic	112	68	79	55	44	67
Syria (<i>c</i>)	(a)	15	5	(a)	(a)	(a)
Thailand (<i>d</i>)	(a)	154	209	166	309	418
Turkey—						
Graphite	52	52	28	34	45	70
Crucibles, etc.	89	46	34	78	17	39

(a) Information not available.

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

Year	Long tons
1952	301
1953	252
1954	189
1955	211
1956	74
1957	7

(c) Including artificial graphite.

(d) Total imports.

GYPSUM
PRODUCTION OF GYPSUM
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain—						
Gypsum	1,358,400	1,521,600	1,653,600	1,580,400	1,689,600	1,699,200
Anhydrite	1,035,400	1,152,400	1,107,800	1,335,700	1,644,600	1,642,100
Kenya	1,593	841	503	851	1,908	4,846
Tanganyika	(c) 495	1,158	6,342	7,502	8,695	9,493
Union of South Africa ..	144,688	150,042	155,073	159,108	186,940	160,618
Canada (b)	3,173,140	3,427,714	3,735,873	4,053,268	4,375,237	4,202,254
Jamaica	44,900	74,093	(e) 160,000	(c) 82,155	124,876	189,161
Trinidad	—	—	—	—	432	(a)
Ceylon	675	428	229	114	492	744
Cyprus (e)	110,000	190,000	200,000	160,000	124,000	144,000
India	411,204	585,839	612,120	689,905	849,583	922,000
Pakistan	28,830	27,155	31,200	28,100	36,200	(e) 36,000
Australia	351,678	329,992	439,716	470,014	467,484	478,435
Irish Republic	73,467	90,871	100,267	124,460	118,144	133,000
FOREIGN COUNTRIES						
Austria (b)	104,130	295,209	360,855	405,834	445,682	517,334
Belgium	26,515	28,877	35,590	35,336	34,221	35,809
France (b)	2,545,884	2,850,818	3,136,629	3,587,465	3,511,370	3,500,000
Germany (Federal) (d) ..	753,000	765,000	832,000	881,000	923,000	866,000
Germany (East) (d) .. .	167,000	180,000	193,000	206,000	213,000	228,000
Greece	18,700	25,000	20,000	15,000	17,000	(e) 17,000
Italy (including alabaster)	664,937	661,157	702,935	789,140	777,000	(e) 785,000
Luxemburg	4,992	9,303	1,891	7,162	8,036	9,523
Poland	(a)	(a)	(a)	(a)	(a)	(a)
Portugal	38,987	45,639	56,968	46,000	54,000	63,625
Spain	1,568,434	1,035,657	868,868	963,534	1,157,046	1,585,718
U.S.S.R.	2,176,000	2,353,000	2,499,000	2,825,000	f 2,900,000	f 2,900,000
Yugoslavia	17,088	43,784	88,000	66,000	(a)	(a)
Algeria	85,730	71,939	71,738	118,000	75,000	(e) 75,000
Angola	8,730	8,582	8,618	2,706	19,596	6,704
Egypt	139,614	183,000	140,193	175,793	200,502	(a)
Morocco (Southern) .. .	7,829	14,143	20,491	14,483	25,060	(e) 25,000
Morocco (Northern) .. .	(a)	(a)	(a)	(a)	(a)	(a)
Sudan	3,535	7,327	3,375	3,061	1,378	—
Tunis	23,000	22,400	29,728	34,329	13,165	(e) 15,000
Dominican Republic .. .	12,660	18,295	26,083	57,422	75,051	72,129
United States	7,513,661	7,404,354	8,032,107	9,539,047	9,211,146	8,210,000
Argentina	(a)	(a)	(a)	128,075	146,000	(a)
Brazil	(a)	73,604	74,226	159,102	152,108	107,961
Chile	55,409	36,647	44,648	46,618	40,486	(a)
Colombia	2,000	7,400	15,000	22,000	50,000	55,000
Peru	31,392	38,531	30,232	43,004	(a)	(a)
Venezuela (g)	1,500	600	(a)	(a)	(a)	(a)
Burma	(a)	(a)	3,180	—	—	—
Formosa	(a)	1,880	3,645	10,042	12,270	6,000
Israel	(a)	22,491	29,064	(e) 50,000	(e) 54,000	21,200
Japan	197,475	266,819	322,238	334,064	372,677	468,000
Thailand	—	—	—	—	—	2,067
New Caledonia	5,099	18,959	2,598	—	—	—
TOTAL*	23,200,000	24,200,000	26,000,000	29,300,000	30,300,000	29,700,000

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

(a) Information not available.

(e) Estimated.

(b) Including "Anhydrite".

(f) U.S. Bureau of Mines' estimate.

(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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Calcined	17,202	14,579	12,115	13,625	14,842	17,491
Tanganyika	495	1,713	4,440	7,812	9,450	9,707
Union of South Africa ..	11,748	18,262	16,498	22,269	34,512	33,971
Canada—						
Crude	2,467,404	2,473,205	2,527,629	2,713,564	3,429,215	3,045,254
Calcined	292	78	153	87	133	21
Jamaica	36,334	56,784	159,877	81,743	120,583	178,986
Cyprus—						
Crude	41,510	94,720	91,663	89,998	25,424	41,687
Calcined	11,792	7,420	6,877	3,747	3,023	1,256
Australia (b)						
Crude	37,629	24,079	42,695	36,981	36,373	33,496
Calcined	3,695	1,451	5,578	9,516	7,582	5,181
Irish Republic—						
Crude	9,541	20,161	31,714	32,693	40,026	55,966
Calcined	1,434	2,320	2,857	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Crude and ground ..	15,505	18,516	20,317	23,433	24,135	22,013
Calcined	115	11	—	48	1,226	1,742
Belgium-Luxemburg						
E.U.—						
Crude	253	542	417	52	292	816
Calcined	3,383	5,983	7,707	8,779	9,701	9,692
Denmark—						
Crude and calcined ..	21	35	31	31	23	4
France—						
Crude	420,487	524,166	573,324	616,493	433,076	369,085
Calcined	56,464	60,988	69,535	68,109	60,310	70,362
Germany (Federal)—						
Crude and calcined ..	125,917	153,558	162,126	148,398	183,884	169,165
Germany (East)—						
Calcined	17,370	21,583	24,501	25,145	29,441	37,777
Italy—						
Crude	904	561	229	621	2,512	941
Calcined	645	238	327	309	769	403
Netherlands						
Calcined	2,462	2,683	1,244	313	2,553	5,738
Portugal—						
Crude	474	470	759	536	635	710
Sweden—						
Calcined	61	28	34	15	9	11
Switzerland—						
Ground and calcined ..	76	52	40	190	106	75
Yugoslavia—						
Crude	(a)	31,952	26,776	—	23,977	15
Ground and calcined ..	20	2,747	—	4,231	5,076	4,497
Algeria	191	128	55	37	45	16
Angola—						
Crude	3,378	2,076	3,044	7,107	2,399	5,257
Egypt—						
Crude and ground ..	22,476	17,118	20,217	17,076	18,898	(a)
Calcined	2,596	1,382	3,358	14,865	8,967	(a)

(a) Information not available.

(b) Years ended June 30 of that stated.

EXPORTS OF GYPSUM (*cont.*)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Morocco (Southern)—						
Crude	8,755	21,768	7,967	20,080	12,401	15,413
Calcined	256	555	870	942	343	335
Morocco (Northern) ..	2,119	1,384	1,423	1,524	(a)	(a)
Dominican Republic ..	4,921	15,959	28,855	50,288	63,437	65,127
Mexico—						
Crude	222,982	250,421	337,221	333,807	423,600	493,042
Calcined	16	4	42	139	156	477
United States—						
Crude and calcined ..	17,754	21,152	19,986	20,124	18,533	21,828
Argentina	958	55	—	917	1,674	544
Syria	(a)	9,597	357	(a)	(a)	(a)

(a) Information not available.

IMPORTS OF GYPSUM

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Crude, including						
alabaster	50,691	75,009	85,206	89,489	63,783	70,876
Calcined	1,298	2,009	1,875	1,632	1,163	1,669
Kenya—						
Crude	3	225	(a)	(a)	(a)	(a)
Southern Rhodesia—						
Crude and calcined ..	7,582	14,841	(b) 15,435	(b) 19,341	(b) 34,493	(b) 34,509
South West Africa ..	24	27	39	(d)	(d)	(d)
Uganda—						
Crude	802	269	(a)	(a)	(a)	(a)
Union of South Africa—						
Crude and calcined ..	667	770	1,218	(e) 1,526	(e) 1,804	(e) 1,641
Bermuda—						
Calcined	376	226	257	226	204	322
Canada—						
Crude and ground ..	579	488	4,427	14,379	62,889	82,267
Calcined	11,310	19,670	17,127	23,157	20,352	15,557
Australia (c)	14	5	8	(a)	(a)	(a)
New Zealand—						
Crude	35,098	30,506	39,413	33,866	32,736	47,408
Calcined	18,261	11,107	16,539	20,648	18,346	16,830
FOREIGN COUNTRIES						
Austria—						
Crude and ground ..	64	3	67	16,443	10,945	1,375
Calcined	170	300	566	942	1,028	1,207
Belgium-Luxemburg						
E. U.—						
Crude	272,383	249,113	219,701	241,569	263,103	262,124
Calcined	34,805	38,090	37,379	41,760	39,779	47,794
Denmark—						
Crude	35,414	35,407	39,432	36,796	31,688	40,135
Calcined	4,348	5,184	5,362	6,232	6,140	5,720
Finland—						
Crude	38,667	42,048	53,854	45,172	51,424	41,455
Calcined	14,522	18,290	22,040	30,428	32,425	35,884
France—						
Crude and calcined ..	484	504	915	14,200	30,432	19,669
Germany (Federal)—						
Crude and calcined ..	4,524	8,505	11,182	14,365	13,555	13,458
Iceland	33	37	90	44	44	48
Netherlands—						
Crude	34,397	79,071	39,164	50,430	57,426	70,361
Calcined	28,101	33,887	36,748	38,436	39,904	44,294
Ground	4,635	204,930	208,525	124,438	25,319	2,509
Norway—						
Crude	28,940	28,926	32,650	35,553	33,008	34,758
Ground	2,465	3,272	3,168	3,457	4,514	4,316

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) Year ended June 30 of that stated.

(d) Included under Union of South Africa.

(e) Including South West Africa.

IMPORTS OF GYPSUM (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portugal—						
Crude	4,535	5,866	6,980	6,950	8,578	9,222
Calcined	9	10	12	16	16	16
Sweden—						
Crude	62,899	83,413	111,848	97,954	106,243	115,074
Calcined	13,092	15,357	17,683	17,280	20,940	23,740
Switzerland—						
Ground and calcined ..	141	150	192	327	500	496
Algeria—						
Crude	(a)	984	—	—	—	4,922
Calcined	2,159	3,614	3,276	3,551	3,652	7,866
Angola—						
Crude and calcined ..	403	398	509	517	555	575
Belgian Congo—						
Crude and calcined ..	(a)	6,349	6,583	13,820	10,763	10,753
Egypt—						
Crude and ground ..	433	1	—	2	(a)	(a)
Calcined	637	35	21	29	(a)	(a)
Madagascar	175	72	87	91	136	104
Morocco (Southern) ..	331	287	176	148	81	55
Mozambique—						
Crude	2,338	3,020	2,099	7,410	6,225	7,827
Calcined	118	126	229	83	111	118
Sudan	180	254	309	408	295	(a)
Tunis—						
Crude	(a)	984	—	—	—	—
Calcined	(a)	80	79	111	106	113
Costa Rica (b)	(a)	(a)	43	56	73	78
Cuba (b)	4,473	3,863	4,416	3,590	3,851	(a)
United States—						
Crude	2,757,039	2,843,118	3,007,262	3,550,987	3,870,986	3,870,060
Ground	540	534	608	837	1,023	777
Calcined	222	259				
Argentina—						
Crude	95	—	74	—	—	137
Brazil (b)—						
Crude	131	24	28	18	79	33
Ground	66	6	4	—	—	—
Colombia—						
Ground, crude ..	4,275	2,962	3,959	5,628	17,027	9,151
do. calcined ..	190	305	180	264	334	269
Peru—						
Crude and calcined ..	23	36	32	166	65	79
Uruguay—						
Crude and ground ..	9,359	8,213	(a)	(a)	(a)	(a)
Venezuela (b)	1,028	1,372	307	(a)	214	114
Indonesia—						
Crude	3,184	2,621	1,067	1,328	4,297	12,438
Calcined	28	52	67	72	93	60
Israel—						
Crude	—	—	—	10	98	—
Calcined	73	62	176	82	65	54
Japan	15,715	28,386	59,951	16,416	20,514	21,032
Lebanon	18,278	20,967	16,251	18,527	12,394	37,415
Philippine Republic—						
Crude	6,550	8,871	10,513	13,800	(a)	(a)
Calcined	37	371	358	641	919	—
Syria	(a)	14	14	(a)	(a)	(a)

(a) Information not available.

(b) Total imports.

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

Producing Country	ORE											
	1952	1953	1954	1955	1956	1957	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES												
United Kingdom (b) ...	16,232,200	15,817,500	15,527,200	16,175,100	16,245,400	16,902,100	4,545,000	4,429,000	4,200,000	4,500,000	4,386,000	4,564,000
Northern Rhodesia (c) ...	5,943	2,169	816,556	2,264	1,311,059	1,323,895	3,800	1,300	506,000	1,100	810,000	830,000
Sierra Leone ...	1,152,459	1,367,046	63,290	82,838	114,245	132,829	692,000	835,000	506,000	772,000	65,600	76,400
Southern Rhodesia ...	63,808	62,034	1,721	339	—	—	36,700	35,700	36,400	47,700	65,600	(a)
South West Africa ...	1,731,122	1,939,595	1,863,190	1,967,347	2,031,685	2,047,413	1,068,000	1,209,000	1,161,000	1,242,000	1,220,000	1,230,000
Union of South Africa ...	4,707,008	5,812,337	6,572,855	14,538,551	19,953,820	19,988,387	2,589,000	3,197,000	3,615,000	7,996,000	10,975,000	10,994,000
Canada ...	127,511	123,200	90,800	115,500	122,963	94,182	60,000	61,000	44,000	66,000	69,000	53,000
Hong Kong ...	3,925,511	3,854,865	4,308,273	4,677,538	4,857,914	5,074,000	2,510,000	2,470,000	2,760,000	2,980,000	3,110,000	3,250,000
India ...	1,055,506	1,062,678	1,212,780	1,466,184	2,444,570	2,972,359	591,000	595,000	679,000	821,000	1,370,000	1,665,000
Malaya ...	2,907,754	3,298,718	3,518,804	3,572,609	3,923,985	3,805,473	1,883,000	2,132,000	2,274,000	2,304,000	2,543,000	2,465,000
Australia ...	—	—	—	—	—	—	(a)	(a)	(a)	(a)	(a)	(a)
Fiji ...	—	—	—	—	—	—	(a)	(a)	(a)	(a)	(a)	(a)
New Zealand (c) ...	1,823	2,762	2,916	2,550	2,777	2,399	(a)	(a)	(a)	(a)	(a)	(a)
TOTAL ...	31,911,000	33,343,000	34,010,000	43,836,000	51,008,000	52,345,000	—	—	—	—	—	—
FOREIGN COUNTRIES												
Austria ...	2,610,694	2,713,093	2,677,788	2,793,621	3,206,433	3,440,511	823,000	851,000	836,000	871,000	1,003,000	1,075,000
Belgium ...	135,358	101,590	83,234	106,471	142,000	135,000	47,000	36,000	29,000	37,000	50,000	47,000
Bulgaria ...	101,000	113,000	116,000	111,000	232,000	267,000	(a)	(a)	(a)	(a)	(a)	(a)
Czechoslovakia ...	1,555,000	1,700,000	1,651,000	1,955,000	2,101,000	2,751,000	470,000	510,000	500,000	590,000	630,000	830,000
Finland (d) ...	—	16,431	131,905	181,560	202,912	206,470	10,800	10,800	86,700	119,700	133,100	134,600
France ...	40,157,499	41,776,954	43,133,433	49,516,812	51,857,000	56,854,000	12,851,000	12,986,000	13,254,000	15,113,000	16,050,000	17,600,000
Germany—	—	—	—	—	—	—	—	—	—	—	—	—
Federal Republic ...	15,161,000	14,388,000	12,830,000	15,436,000	16,661,000	18,031,000	4,032,000	3,828,000	3,495,000	4,160,000	4,441,000	4,751,000
Eastern (e) ...	760,000	1,338,000	1,447,000	1,729,000	1,729,000	1,455,000	(a)	(a)	(a)	(a)	(a)	(a)
Greece ...	155,755	86,938	75,946	192,166	400,721	400,721	80,000	44,000	39,000	98,000	204,000	204,000
Hungary ...	311,000	353,000	421,000	347,000	300,000	273,000	96,000	109,000	131,000	108,000	93,000	85,000
Italy ...	839,219	1,013,358	1,101,036	1,405,366	1,660,715	1,557,025	421,000	510,000	550,000	710,000	840,000	790,000
Luxemburg ...	7,130,442	7,056,411	5,794,900	7,090,818	7,474,900	7,719,300	1,937,000	1,891,000	1,571,000	1,903,000	2,002,000	2,091,000
Norway ...	757,274	1,167,557	1,077,290	1,235,754	1,525,472	1,476,000	446,000	701,000	692,000	792,000	977,000	977,000
Poland ...	1,011,000	1,288,000	1,549,600	1,827,000	1,942,000	1,962,800	320,000	410,000	500,000	600,000	640,000	650,000

* For detailed figures see page 144.

(a) Information not available.

(b) In addition bog ore and iron ore (not used for smelting) are produced.

(c) Used mainly or entirely for purposes other than iron production.

(d) Concentrates.

(e) Revised.

PRODUCTION OF IRON ORE (cont.)
(Long tons)

Producing Country	ORE							Estimated Iron Content						
	1952	1953	1954	1955	1956	1957	1957	1952	1953	1954	1955	1956	1957	
FOREIGN COUNTRIES														
Portugal	87,570	142,682	110,516	186,583	233,739	281,859	43,785	71,341	55,528	93,296	116,870	140,924	140,924	
Roumania	(b) 614,000	(b) 680,000	(b) 684,000	628,942	683,379	634,000	290,000	300,000	310,000	280,000	310,000	310,000	290,000	
Spain	2,818,139	2,976,366	2,869,330	3,280,942	4,409,376	5,293,113	1,270,000	1,340,000	1,290,000	1,670,000	1,980,000	2,380,000	2,380,000	
Sweden	16,681,063	16,715,100	15,083,404	17,080,712	18,648,137	19,608,896	9,957,000	10,613,000	9,138,000	10,287,000	11,123,000	11,960,000	11,960,000	
Switzerland (b)	104,800	103,600	100,000	127,000	129,000	114,000	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
U.S.S.R.	51,730,000	58,705,000	63,300,000	70,700,000	76,800,000	82,900,000	31,900,000	34,800,000	36,700,000	41,000,000	44,500,000	48,100,000	48,100,000	
Yugoslavia	665,333	782,362	1,093,200	1,376,214	1,697,724	1,846,485	300,000	350,000	490,000	620,000	760,000	830,000	830,000	
Algeria	3,051,658	3,334,800	2,880,600	3,541,000	2,502,000	2,746,124	1,590,000	1,667,000	1,440,000	1,771,000	1,342,000	1,500,000	1,500,000	
Angola	—	—	—	(a)	(a)	103,932	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
Belgian Congo	—	—	3,837	12,288	20,936	28,992	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
Egypt	1,069	602	1,398	1,280	2,936	28,992	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
French West Africa	—	—	—	—	—	—	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
Liberia	—	392,335	582,765	640,000	833,500	1,072,000	—	208,000	309,000	339,000	433,000	557,000	557,000	
Morocco	(e) 876,974	1,264,000	(e) 1,190,051	(f) 1,716,932	(e) 2,036,941	(e) 2,128,650	596,000	872,000	800,000	1,159,000	1,385,000	1,447,000	1,447,000	
Morocco (Southern)	652,425	508,641	335,570	309,550	484,379	1,845,217	290,000	231,000	151,000	138,000	218,000	218,000	218,000	
Morocco (Northern)	919,694	970,613	916,656	1,016,794	1,289,162	1,289,162	550,000	580,000	550,000	610,000	770,000	770,000	770,000	
Tunis	961,600	1,040,351	934,500	1,122,069	1,151,642	1,158,382	517,000	560,000	510,000	620,000	633,000	640,000	640,000	
Cuba	87,536	196,676	205,000	246,000	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
Dominican Republic	18,408	90,216	105,000	99,269	161,695	179,987	12,500	61,300	71,000	68,000	107,000	119,000	119,000	
Mexico	557,870	538,550	513,830	704,000	801,000	(b) 935,000	334,000	325,946	308,604	422,467	480,916	559,619	559,619	
United States (c)	98,818,913	119,101,367	78,627,505	103,812,930	98,414,935	106,918,886	49,000,000	60,000,000	40,000,000	53,000,000	51,000,000	55,000,000	55,000,000	
Argentina (b)	66,000	72,000	59,500	89,787	64,000	69,000	32,000	35,000	29,000	45,000	32,000	35,000	35,000	
Brazil	3,112,325	3,560,351	3,022,243	3,328,511	4,021,305	4,898,090	2,090,000	2,350,000	1,960,000	2,160,000	2,610,000	3,180,000	3,180,000	
Chile	2,325,363	2,857,579	2,243,988	1,743,610	2,954,784	2,165,000	1,404,000	1,695,000	1,340,000	1,071,000	1,877,000	1,375,000	1,375,000	
Colombia	—	—	81,899	343,461	387,990	583,763	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
Peru	—	1,359,341	2,084,888	1,737,743	2,873,600	(b) 3,500,000	—	840,000	1,261,000	1,040,000	1,743,000	2,100,000	2,100,000	
Venezuela	1,938,692	2,260,132	5,334,986	8,306,162	10,929,398	15,135,068	1,241,000	1,446,000	3,414,000	5,316,000	6,995,000	9,686,000	9,686,000	
China (b)	6,000,000	8,000,000	10,000,000	12,000,000	14,000,000	16,000,000	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
China (d)	1,372,918	1,655,857	1,637,574	1,542,384	1,975,117	2,208,000	726,000	901,000	886,000	842,000	1,082,000	1,200,000	1,200,000	
Japan (d)	17,145	18,671	30,506	28,164	61,874	182,484	9,400	10,300	16,800	15,500	34,000	100,400	100,400	
Korea (South)	7,000	30,000	50,000	42,000	31,403	41,586	3,600	15,000	23,000	21,000	14,000	19,000	19,000	
Lebanon	1,151,866	1,198,630	1,402,394	1,410,083	1,417,486	1,325,099	668,000	695,000	813,000	818,000	822,000	769,000	769,000	
Philippine Republic	478,353	928,794	1,358,845	2,176,074	2,504,381	2,901,017	263,000	511,000	747,000	1,245,000	1,453,000	1,712,000	1,712,000	
Portuguese India	—	—	—	—	—	—	—	—	—	—	—	—	—	
Thailand	2,811	7,559	2,712	5,000	5,684	8,833	1,700	5,000	1,800	3,300	3,800	5,800	5,800	
Turkey	474,215	489,428	576,947	860,174	915,784	1,220,442	284,000	294,000	346,000	516,000	15,000	732,000	732,000	
New Caledonia	—	—	—	—	27,700	230,000	—	—	—	—	—	—	—	
TOTAL	257,000,000	303,000,000	268,000,000	324,000,000	342,000,000	375,000,000	—	—	—	—	—	—	—	
World's Total	299,000,000	336,000,000	302,000,000	368,000,000	393,000,000	427,000,000	—	—	—	—	—	—	—	

(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): 1952—316,920; 1953—532,457; 1954—517,286; 1955—570,628; 1956—905,055; 1957—1,079,667.
 (e) Exports.

DETAILS OF PRODUCTION OF IRON ORE IN CERTAIN COUNTRIES

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Hematite	507,900	468,900	466,200	449,700	452,600	446,700
Jurassic ironstones—						
Lower lias	3,431,600	3,416,200	3,988,900	4,419,400	4,485,300	4,905,700
Middle lias	3,574,800	3,738,800	3,215,500	3,227,900	3,460,000	3,189,600
Inferior oolite ..	8,717,900	8,193,500	7,890,200	8,078,000	7,847,500	8,360,100
Other iron ore ..	—	100	400	100	—	—
Sierra Leone—						
Red ore	523,852	521,644	247,856	314,720	321,356	306,320
Concentrates	566,332	831,797	568,700	920,664	985,845	1,017,680
Washed fines	62,275	13,605	—	—	—	—
Union of South Africa—						
Hematite	1,690,208	1,939,595	(a)	(a)	(a)	(a)
Carbonate	40,914	—	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
France—						
Phosphoric	37,156,835	38,843,458	40,538,856	45,952,284	48,129,000	52,985,000
Medium phosphoric ..	2,678,895	2,709,622	2,410,774	3,250,425	3,416,000	3,571,000
Non-phosphoric	321,770	223,874	183,803	314,103	312,000	298,000
Italy—						
Iron ore	799,241	975,638	1,074,006	1,371,680	1,647,329	1,535,000
Manganiferous iron ore	39,978	37,720	27,030	33,686	13,386	22,000
Luxemburg—						
Siliceous iron ore ..	2,238,363	2,190,739	2,248,000	2,619,471	2,686,000	2,823,121
Calcareous iron ore ..	4,586,210	4,425,488	3,137,000	4,069,290	4,302,000	4,442,424
Ferruginous limestone	305,869	440,184	409,000	402,057	486,000	453,755
Portugal—						
Hematite	85,834	120,367	80,882	137,655	160,450	185,493
Magnetite	1,736	22,315	29,634	48,928	73,289	96,366
Sweden—						
Manganiferous iron ore	45,300	44,300	8,000	124,000	115,000	(a)
Other iron ore	16,635,800	16,671,000	15,075,000	16,957,000	18,533,000	(a)
By phosphorus content						
(b)—						
Under 0.006%	681,332	643,637	679,946	695,673	738,991	(a)
0.006% to under						
0.04%	2,364,320	2,261,490	2,280,536	2,436,729	2,551,620	(a)
0.04% to under 0.1%	652,432	637,269	57,866	319,310	600,263	(a)
0.1% to under 0.7%	5,903,774	5,720,671	4,805,223	5,452,146	6,328,578	(a)
0.7% to under 1% ..	1,721,315	1,593,003	1,263,519	1,228,302	1,286,296	(a)
1% and over	5,357,891	5,859,030	5,996,214	6,948,551	7,142,390	(a)
United States—						
Ore containing less						
than 5% Mn—						
Hematite (c)	83,515,561	102,553,404	66,384,324	92,957,669	81,143,609	86,135,918
Magnetite (c)	11,068,778	12,585,681	8,593,011	6,550,062	12,445,348	15,798,143
Limonite	2,729,524	2,238,236	2,315,407	2,457,236	3,174,769	3,403,979
Pyrite cinder and						
sinter	604,141	617,448	836,052	1,034,002	1,085,210	810,379
Ore containing 5 to						
under 10% Mn	805,992	863,082	} 498,511	669,057	440,221	549,129
Ore containing 10 to						
under 35% Mn	94,917	243,516		144,904	125,778	221,338

(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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom ..	564	677	895	1,314	786	758
Sierra Leone ..	1,378,959	1,200,240	877,306	1,331,573	1,328,019	1,444,542
Union of South Africa ..	—	3,588	473	4,281	27,867	11,637
Canada ..	3,434,820	4,303,550	5,470,480	13,008,000	18,094,080	17,972,769
Hong Kong ..	114,031	116,392	85,967	123,698	123,705	103,876
India ..	669,986	1,094,570	1,055,671	1,297,447	1,692,626	2,215,838
Malaya ..	1,007,489	1,018,336	1,060,382	1,592,268	2,376,485	2,919,739
Irish Republic— Burnt pyrites ..	24,233	14,962	17,396	27,627	31,322	28,583
FOREIGN COUNTRIES						
Austria ..	272,427	192,251	44,299	39,415	53,628	48,995
Belgium-Luxemburg E.U.—						
Iron ore ..	441,302	870,086	137,807	415,918	608,429	504,048
Burnt pyrites ..	140,563	111,824	200,436	215,027	284,094	177,516
Denmark—						
Bog ore (b) ..	175,764	131,062	81,417	104,791	143,497	120,176
Burnt pyrites ..	55,473	63,077	73,350	86,643	90,114	96,780
Finland—						
Iron ore ..	470	8,136	141,318	218,704	205,683	213,499
Burnt pyrites ..	(a)	139,491	96,658	102,905	211,712	155,761
France—						
Iron ore ..	9,225,370	9,837,459	10,950,120	13,488,215	13,721,110	14,085,265
Burnt iron pyrites ..	577,257	389,769	352,236	432,183	449,624	333,830
Germany (Federal)—						
Iron ore ..	143,874	192,363	252,070	305,525	332,183	364,825
Burnt iron pyrites ..	22,436	1,016	30,755	27,469	21,983	11,187
Greece ..	110,578	97,402	72,610	205,541	403,307	404,164
Italy—						
Iron ore ..	6,706	4,121	11	47,035	41,051	69,010
Burnt iron pyrites ..	384,939	426,791	390,710	319,272	361,028	433,619
Netherlands—						
Iron ore ..	155	535	405	331	3,073	6,629
Burnt iron pyrites ..	323,447	258,561	302,830	389,180	381,703	322,755
Norway—						
Iron ore ..	699,578	894,424	895,556	1,164,163	1,242,322	1,208,853
Burnt pyrites ..	117,502	57,029	67,454	95,075	74,420	79,869
Portugal—						
Iron ore ..	118,527	132,769	103,894	165,805	236,285	248,398
Burnt pyrites ..	319,465	141,968	15,443	1	185,801	190,660
Spain ..	1,728,237	1,446,225	1,160,464	2,109,864	3,211,573	3,414,038
Sweden—						
Iron ore ..	15,416,000	14,323,000	13,861,000	15,407,000	17,032,000	17,191,000
Burnt iron pyrites ..	211,027	130,982	135,073	157,157	166,061	190,524
Switzerland ..	109,304	104,284	126,757	108,978	134,840	101,384
U.S.S.R. ..	(a)	(a)	(a)	8,678,200	8,980,300	10,602,500
Yugoslavia ..	152,857	3,989	15,731	—	—	69,145
Algeria ..	3,073,489	3,198,394	2,863,965	3,567,422	2,450,057	2,701,907
French West Africa ..	3,344	346,539	584,618	665,324	819,844	1,003,000
Liberia ..	876,974	1,377,911	1,238,521	1,716,932	2,036,941	2,128,650
Morocco (Southern) ..	641,279	522,875	319,992	283,814	381,143	468,252
Morocco (Northern) ..	980,930	912,949	788,204	1,002,701	1,368,952	1,439,045
Tunis ..	976,864	1,019,437	891,542	1,090,045	1,164,661	1,156,552
Cuba ..	96,086	205,882	77,744	120,571	135,829	103,398
Dominican Republic ..	18,408	90,216	93,709	99,269	160,144	147,437

(a) Information not available.

(b) Used for purposes other than iron making.

EXPORTS OF IRON ORE (*cont.*)
(Long tons)

Exporting Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mexico	112,001	239,048	142,544	182,935	132,503	235,359
United States	5,122,644	4,251,955	3,145,714	4,516,828	5,491,246	4,991,022
Brazil	1,536,163	1,522,800	1,651,937	2,524,047	2,701,511	3,494,006
Chile	1,798,637	2,403,038	1,692,737	1,217,070	2,038,700	3,570,000
Peru	—	875,648	1,896,975	1,669,830	2,631,339	3,619,109
Venezuela	1,881,042	1,941,614	5,362,690	7,668,355	10,732,364	15,331,377
Korea	(a)	(a)	(a)	(a)	(a)	128,273
Lebanon	—	21,948	39,368	41,976	31,403	41,585
Philippine Republic	1,202,667	1,186,955	1,276,591	1,400,738	1,928,222	1,128,193
Portuguese India	464,596	852,762	1,228,114	1,505,314	2,014,444	2,625,363
Turkey	93,905	109,823	168,005	336,820	235,372	505,342
New Caledonia	2,461	—	—	—	21,159	193,311

(a) Information not available.

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

Importing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom	9,690,534	10,981,013	11,611,257	12,859,343	14,330,104	15,912,253
Canada	3,810,409	3,721,046	2,709,992	4,052,483	4,525,769	4,052,704
India	15	511	618	1,271	584	1,475
Australia (c)	12	2,836	3	17	41	108,992
Irish Republic	1,000	5	807	1,715	784	855
FOREIGN COUNTRIES						
Austria—						
Iron ore	602,201	412,051	250,765	840,207	994,492	1,115,344
Burnt pyrites	370,690	346,266	328,462	321,898	351,626	356,363
Belgium-Luxemburg						
E.U.—						
Iron ore	10,826,780	11,613,471	12,522,507	14,730,547	15,410,093	15,762,572
Burnt iron pyrites	56,895	61,567	94,123	85,708	89,932	61,857
Czechoslovakia	2,939,000	2,990,000	3,642,000	3,864,000	3,841,000	4,845,000
Denmark (b)	3,139	3,684	1,831	7,998	11,337	26,554
Finland	97,637	22,018	105,663	139,370	115,136	160,371
France	430,840	973,425	306,537	544,216	633,353	1,034,583
Germany (Federal)—						
Iron ore	9,489,280	9,889,414	8,615,787	14,098,915	17,543,584	18,820,236
Burnt pyrites	1,613,690	1,850,692	1,390,842	1,610,672	2,365,977	2,052,970
Germany (East)	391,500	611,813	799,274	1,217,368	(d) 683,826	(d) 802,399
Hungary	776,000	982,000	1,267,000	1,333,000	1,100,000	1,290,000
Italy	698,406	722,276	622,605	822,567	1,260,244	1,727,149
Netherlands	1,162,968	1,247,267	1,101,811	1,042,679	1,352,751	1,225,804
Norway	4,562	6,394	6,165	3,561	96	5,051
Poland	(a)	3,048,000	4,040,000	4,337,000	4,700,000	5,820,000
Spain	297,531	268,388	361,971	253,278	283,554	186,743
Sweden	340	136	271	751	522	16,342
Switzerland	92,640	56,753	64,914	72,724	61,469	60,918
Yugoslavia	—	—	—	7,000	33,384	85,237
United States—						
Iron ore	9,760,625	11,074,035	15,792,450	23,471,956	30,431,152	33,653,048
Burnt pyrites	11,149	12,053	898	3,879	1,430	567
Formosa	10,273	14,107	3,021	14,842	15,164	23,058
Japan	4,692,833	4,222,444	4,925,743	5,373,233	7,732,133	9,315,844

(a) Information not available.

(b) Bog ore and burnt pyrites.

(c) Years ended June 30 of that stated.

(d) Fe content.

PRODUCTION OF PIG-IRON AND FERRO-ALLOYS*

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom ..	10,727,700	11,174,800	11,883,400	12,470,000	13,170,100	14,282,600
Southern Rhodesia ..	38,588	35,233	36,485	55,733	58,827	31,048
Union of South Africa ..	1,111,000	1,203,300	1,178,000	1,281,900	1,340,800	1,401,600
Canada	2,601,520	2,826,721	2,077,829	3,018,254	3,402,108	3,525,166
India	1,852,910	1,776,269	1,961,919	1,894,758	1,958,083	1,911,250
Australia	1,549,157	1,842,408	1,856,013	1,797,533	2,073,883	2,217,706
TOTAL	17,880,900	18,858,700	18,993,600	20,518,000	22,003,800	23,369,400
FOREIGN COUNTRIES						
Austria	1,154,309	1,299,849	1,332,175	1,482,500	1,709,248	1,929,325
Belgium	4,713,947	4,143,343	4,552,045	5,300,060	5,678,951	5,499,413
Bulgaria	(a)	(a)	(a)	(a)	10,200	54,859
Czechoslovakia ..	2,290,000	2,750,000	2,760,000	2,950,000	3,230,000	3,507,000
Finland	106,718	78,236	73,431	112,427	101,335	126,495
France (d)	9,615,007	8,529,329	8,701,378	10,787,038	11,298,298	11,727,000
Germany—						
Federal Republic ..	12,673,000	11,469,668	12,314,000	16,222,000	17,299,000	18,068,000
Eastern	(e) 649,000	e 1,061,000	e 1,297,000	e 1,492,600	1,549,000	1,636,600
Hungary	610,000	705,000	830,000	854,000	(b) 732,000	(b) 755,400
Italy	1,186,591	1,288,559	1,326,263	1,706,795	1,964,042	2,169,982
Luxemburg	3,027,405	2,679,000	2,756,000	3,036,000	3,260,561	3,314,744
Netherlands	530,174	584,093	600,900	659,000	651,200	689,500
Norway	268,812	273,067	242,862	349,951	444,716	548,000
Poland	1,754,000	2,321,600	2,620,700	3,062,900	3,450,800	3,624,000
Roumania (e)	374,972	440,830	421,738	560,523	573,706	675,000
Saar	2,510,086	2,344,295	2,457,933	2,833,234	2,983,085	3,116,178
Spain	771,985	809,330	890,847	978,821	940,779	923,426
Sweden	1,096,001	1,040,601	985,406	1,226,991	1,389,180	1,520,371
Switzerland	42,600	41,700	36,700	54,100	41,600	(c) 44,000
U.S.S.R.	24,700,000	27,000,000	29,500,000	32,800,000	35,200,000	36,400,000
Yugoslavia	283,863	275,926	361,943	522,067	636,078	726,000
Mexico	298,888	238,429	247,823	320,771	401,860	416,033
United States	56,566,031	68,973,364	53,398,430	70,771,308	69,263,802	72,141,325
Argentina	31,262	35,758	38,971	35,000	28,000	33,000
Brazil	(b) 802,828	880,295	1,087,830	1,069,747	1,152,855	1,179,000
Chile	265,660	281,310	300,320	251,540	361,750	(c) 375,000
Colombia	—	—	86,703	97,284	113,926	140,196
China (c)	1,900,000	2,200,000	3,100,000	3,700,000	4,700,000	5,400,000
Japan	3,528,695	4,579,812	4,679,393	5,356,857	6,186,445	7,021,300
Korea (North)	(a)	(a)	(a)	(f) 100,000	(f) 200,000	(f) 300,000
Turkey	192,988	209,166	191,264	196,116	216,653	212,078
TOTAL	131,900,000	146,500,000	137,100,000	168,900,000	175,800,000	184,300,000
WORLD'S TOTAL ..	149,800,000	165,400,000	156,100,000	189,400,000	197,800,000	207,700,000

* For details see page 149.

(a) Information not available.

(b) Excluding ferro-alloys.

(c) Estimated.

(d) Excluding electric furnace ferro-alloys.

(e) Revised.

(f) United States Bureau of Mines' estimate.

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

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Hematite	1,426,100	1,391,800	1,436,300	1,414,700	1,547,400	1,570,500
Basic	7,528,100	8,069,700	8,772,100	9,295,500	9,981,800	11,265,300
Foundry	1,522,000	1,465,800	1,441,100	1,509,300	1,411,600	1,258,700
Forge	74,100	52,300	45,400	56,600	45,000	29,300
Direct castings ..	1,800	1,500	1,900	700	1,000	1,000
Spiegeleisen (b) ..	31,100	29,600	29,700	28,300	29,400	13,200
Ferro-manganese (b) ..	144,500	164,100	156,900	164,900	153,900	144,600
Union of South Africa—						
Pig-iron	1,082,500	1,173,000	1,152,600	1,239,800	1,278,400	1,337,900
Ferro-alloys	28,500	30,300	25,400	42,100	62,400	63,700
Canada—						
Basic	1,833,653	2,175,450	1,554,207	2,313,789	2,671,538	2,846,128
Foundry	197,102	163,233	149,818	158,037	130,970	112,854
Malleable	363,518	350,842	270,107	397,605	383,382	360,799
Ferro-alloys	207,247	137,196	103,697	148,823	216,218	205,385
India—						
Basic	1,464,456	1,318,540	1,344,780	1,277,557	1,367,276	1,494,751
Foundry	219,808	335,881	448,064	479,393	440,056	294,511
Direct castings ..	129,778	114,934	127,814	125,882	122,198	112,694
Ferro-alloys	38,868	6,914	41,261	11,926	28,553	9,294
FOREIGN COUNTRIES						
Belgium—						
Basic	4,502,179	3,976,997	d 4,409,878	d 5,129,338	5,527,012	} 5,315,000
Forge	30,274	33,733	18,720	26,743	9,349	
Foundry	169,860	112,795	107,302	127,499	125,607	
Ferro-alloys	11,634	19,818	16,145	16,480	16,983	
France (c)—						
Phosphoric						
(over 1.4% P)—						
Basic	7,777,162	7,115,714	7,358,324	9,153,762	9,512,717	(a)
Foundry	290,825	207,933	184,255	194,724	229,083	266,000
Semi-phosphoric (from						
0.5% to 1.4% P)—						
Foundry	366,689	345,640	335,745	353,221	366,041	400,000
Open hearth, basic	26,719	7,358	168	6,221	—	3,000
Hematite (less than						
0.5% P)—						
Foundry	260,012	193,394	209,883	258,812	256,046	286,000
Open hearth	} 316,202	166,796	137,043	244,285	278,872	308,000
Bessemer						
Spiegeleisen	179,115	153,827	130,039	124,041	140,188	153,000
Ferro-manganese ..	111,425	131,717	131,483	199,782	241,798	249,000
Other pig-iron and	} 286,858	206,950	214,491	252,210	273,553	(a)
ferro-alloys						
Germany (Federal)—						
Hematite	499,000	401,728	} 575,000	734,000	823,000	864,000
Malleable	201,000	176,055				
Basic	8,008,000	7,364,628	7,797,000	10,410,000	11,131,000	11,450,000
Foundry	873,000	594,441	728,000	855,000	749,000	739,000
Stahleisen	2,554,000	2,479,820	2,763,000	3,658,000	3,941,000	4,373,000
Spiegeleisen	134,000	99,970	} 177,000	238,000	328,000	324,000
Ferro-manganese ..	107,000	146,277				
Siegerland special	108,000	85,516	} 274,000	326,000	328,000	318,000
Other pig-iron ..	135,000	86,487				
Ferro-silicon	54,000	34,746				

(a) Information not available.

(b) Blast furnace ferro-alloys.

(c) Excluding electric furnace ferro-alloys.

(d) Revised.

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

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (East)—						
Foundry	144,800	243,900	290,000	305,900	376,000	332,500
Open hearth	210,700	487,000	674,000	850,000	789,700	889,400
Basic Bessemer	282,000	314,200	318,100	308,900	361,000	394,800
Spiegeleisen	11,000	16,100	14,700	27,800	22,000	19,900
Italy—						
Pig-iron	1,084,883	1,203,015	1,236,638	1,599,249	1,843,838	2,039,187
Spiegeleisen	10,626	14,317	10,806	13,492	19,048	15,903
Ferro-manganese	30,395	18,928	32,360	39,197	43,383	50,626
Ferro-silicon	37,400	27,472	20,860	27,218	32,615	39,946
Silico-manganese	10,996	7,887	9,503	11,084	10,840	9,644
Ferro-chrome	2,462	2,784	1,779	3,013	3,447	2,737
Ferro-titanium	100	128	165	145	115	185
Ferro-tungsten	53	17	65	84	59	87
Ferro-vanadium	64	27	38	79	37	79
Ferro-molybdenum	206	42	233	361	383	421
Silico-aluminium	528	654	450	535	609	641
Other ferro-alloys	8,878	13,288	13,366	12,338	9,668	10,526
Luxemburg—						
Basic	3,027,405	2,679,000	2,756,000	3,036,000	3,260,561	3,314,744
Norway—						
Pig-iron	57,379	57,915	58,974	121,384	188,184	(a)
Ferro-silicon	81,965	93,005	96,747	106,604	105,876	(a)
Other ferro-alloys	129,468	122,147	86,141	121,963	150,656	(a)
Saar—						
Basic	2,311,257	2,144,518	2,244,614	2,588,566	2,731,387	2,848,770
Foundry—						
Hematite	16,351	199,777	213,319	244,668	251,698	267,408
Phosphoric	110,345					
Other pig-iron and ferro-alloys	72,133					
Spain—						
Pig-iron	749,068	787,086	864,586	948,121	910,092	887,133
Ferro-manganese and ferro-silico-manganese						
	11,940	12,708	15,637	21,094	21,613	23,609
Ferro-silicon	10,665	9,283	10,204	9,295	8,763	12,330
Ferro-tungsten	59	32	35	40	47	63
Ferro-chrome	253	221	385	271	264	291
Sweden—						
Pig-iron	1,033,749	985,044	924,186	1,157,017	1,310,898	1,424,618
Spiegeleisen	947	640	—	—	—	—
Ferro-manganese	11,320	9,453	11,018	14,772	13,558	16,827
Ferro-silicon	16,503	15,155	13,673	11,186	14,010	20,987
Ferro-silico-manganese	5,455	4,897	9,585	9,485	10,911	12,964
Ferro-chrome	20,345	20,924	18,267	23,817	26,578	30,597
Ferro-titanium	86	86	30	55	51	130
Ferro-tungsten	445	243	359	467	438	349
Ferro-molybdenum	691	436	593	1,110	1,278	1,610
Ferro-vanadium	118	30	62	200	162	102
Metallic silicon	4,106	3,255	4,832	3,773	3,776	3,812
Silico-chrome	1,878	124	2,276	4,428	6,827	7,550
Other ferro-alloys	368	314	524	681	693	825
Yugoslavia—						
Pig-iron	268,574	265,488	350,574	505,682	620,615	703,000
Ferro-alloys	15,289	10,438	11,369	16,385	15,463	22,707

(a) Information not available.

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

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States—						
Basic	42,420,704	53,466,529	41,984,977	55,790,079	55,034,596	58,372,986
Bessemer	6,647,960	7,241,858	5,022,771	6,639,602	5,950,854	5,664,380
Low phosphorus	274,534	265,237	189,190	234,854	450,169	517,869
Foundry	2,384,116	2,233,032	2,029,493	2,459,501	2,141,380	2,035,050
Malleable	2,785,864	3,378,980	2,347,912	3,153,054	3,095,640	3,088,688
Other pig-iron	230,516	290,640	180,610	345,604	352,796	299,043
Ferro-manganese and spiegeleisen	732,864	899,329	669,119	852,834	864,291	929,098
Ferro-silicon	668,803	689,588	568,477	717,215	722,576	643,874
Other ferro-alloys	420,670	508,171	405,881	578,565	651,498	590,337
Brazil—						
Pig-iron	798,727	866,166	1,071,750	1,051,637	1,134,705	(a)
Spiegeleisen	(a)	685	701	670	—	(a)
Ferro-chrome	(a)	378	434	450	258	(a)
Ferro-manganese	(a)	6,000	8,188	9,251	9,879	(a)
Ferro-nickel	(a)	(a)	(a)	211	319	(a)
Ferro-silicon	(a)	4,206	3,892	5,224	4,668	(a)
Ferro-silico-manganese	(a)	2,861	2,865	2,304	2,956	(a)
Japan—						
Pig-iron	3,419,400	4,446,782	4,535,527	5,145,627	5,910,928	6,708,000
Spiegeleisen	1,443	1,760	3,775	2,818	4,985	
Ferro-chrome	4,418	7,700	12,644	13,565	29,194	313,000
Ferro-manganese	68,194	78,855	68,135	110,327	129,714	
Ferro-molybdenum	160	374	682	571	1,172	
Ferro-phosphorus	527	589	1,680	1,723	2,003	
Ferro-silicon	20,487	22,307	27,032	30,656	42,693	
Ferro-titanium	96	75	71	137	180	
Ferro-tungsten	190	211	206	341	620	
Ferro-nickel	1,448	4,856	7,692	11,885	20,576	
Ferro-vanadium	—	(b)	21	53	223	
Silico-manganese	10,955	14,370	16,699	32,191	36,524	
Calcium-silicon	1,443	1,778	1,808	1,751	2,835	
Other ferro-alloys	—	155	3,421	5,143	4,798	

(a) Information not available.

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

PRODUCTION OF STEEL INGOTS AND CASTINGS*

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom ..	16,417,900	17,608,500	18,519,700	19,790,600	20,658,900	21,699,100
Southern Rhodesia ..	35,712	24,599	32,631	51,341	56,688	65,493
Union of South Africa (c)	1,183,600	1,221,300	1,355,100	1,500,800	1,525,300	1,652,100
Canada	3,306,349	3,675,061	2,852,705	4,044,108	4,737,326	4,498,093
India	1,578,180	1,506,538	1,684,754	1,704,259	1,737,929	1,710,191
Australia	1,625,940	2,043,123	2,210,611	2,200,555	2,583,747	3,055,024
TOTAL	24,147,600	26,079,100	26,655,500	29,291,700	31,299,900	32,680,000
FOREIGN COUNTRIES						
Austria	1,039,912	1,263,036	1,626,881	1,794,163	2,044,736	2,469,245
Belgium	4,987,334	4,425,624	4,893,996	5,759,882	6,211,107	6,176,740
Bulgaria	—	12,600	61,100	72,500	127,500	156,658
Czechoslovakia ..	3,696,000	4,297,000	4,205,000	4,403,000	4,805,000	5,084,000
Finland	146,039	144,365	174,306	176,023	193,920	205,402
France	10,695,061	9,839,076	10,459,154	12,392,937	13,186,749	13,873,000
Germany—						
Federal Republic ..	15,556,000	15,176,422	17,159,000	20,999,000	22,823,000	24,120,000
Eastern (b)	1,856,100	2,129,000	2,293,000	2,468,000	2,696,000	2,850,000
Hungary	1,436,000	1,519,000	1,467,000	1,603,000	1,402,000	1,353,000
Italy	3,479,289	3,444,963	4,140,420	5,309,438	5,814,327	6,680,235
Luxemburg	2,954,297	2,617,000	2,783,000	3,174,390	3,401,136	3,437,522
Netherlands	674,173	845,934	912,900	957,800	1,033,600	1,166,500
Norway	96,519	108,783	118,741	168,213	285,467	340,000
Poland	3,133,000	3,547,000	3,886,800	4,356,500	4,935,100	5,220,000
Roumania	687,336	705,360	618,471	754,064	766,831	850,000
Saar	2,778,235	2,641,149	2,760,346	3,115,053	3,320,808	3,384,340
Spain	892,967	882,621	1,079,631	1,193,283	1,223,305	1,324,508
Sweden	1,639,365	1,731,079	1,810,850	2,091,059	2,361,002	2,443,982
Switzerland	154,000	155,000	148,000	163,000	168,000	221,000
U.S.S.R.	33,900,000	37,500,000	40,700,000	44,600,000	47,800,000	50,200,000
Yugoslavia	435,368	506,607	606,367	793,293	872,726	1,032,000
Mexico	524,869	516,738	599,825	713,894	865,011	1,014,599
United States (e) ..	83,185,749	99,651,535	78,849,689	104,496,504	102,871,562	100,638,389
Argentina	124,414	171,622	183,176	214,240	189,000	218,000
Brazil (f)	879,220	1,000,248	1,130,186	1,144,106	1,343,285	1,452,000
Chile	241,400	308,130	316,000	304,240	375,000	381,000
Colombia	—	—	—	76,265	88,955	112,577
China (d)	1,370,000	1,800,000	2,190,000	2,740,000	4,280,000	5,300,000
Japan	6,877,800	7,541,100	7,627,517	9,259,113	10,930,977	12,371,500
Korea (North) (g) ..	10,000	10,000	50,000	130,000	190,000	280,000
Korea (South)	1,000	1,000	1,000	11,000	10,000	17,859
Turkey	151,041	160,032	166,226	188,518	189,939	172,737
TOTAL	183,600,000	204,700,000	193,000,000	235,600,000	246,800,000	254,500,000
WORLD'S TOTAL ..	207,700,000	230,700,000	219,700,000	264,900,000	278,100,000	287,200,000

* For details see page 153.

(a) Information not available.

(b) Revised.

(c) Excluding steel castings for which the amounts produced for sale were 54,500 tons, 56,200 tons, 52,700 tons, 54,100 tons, 52,500 tons and 41,200 tons in 1952, 1953, 1954, 1955, 1956 and 1957, respectively.

(d) Estimated.

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

(f) Ingots only.

(g) United States Bureau of Mines' estimate.

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

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ingots and castings—						
Open hearth, acid ..	1,238,800	1,132,500	995,400	1,000,200	985,700	960,700
do. basic ..	12,922,600	14,297,600	15,248,900	16,252,200	17,017,500	18,075,200
Bessemer, acid ..	245,900	263,400	264,500	252,200	230,100	250,400
do. basic ..	887,200	797,600	909,400	1,031,600	1,078,300	1,058,300
Ingots, electric ..	630,000	619,300	621,000	737,400	792,500	793,900
Castings, electric ..	300,200	310,400	308,400	361,000	405,200	417,300
All other ingots and castings ..	193,200	187,700	172,100	156,000	149,600	143,300
Southern Rhodesia—						
Ingots ..	34,497	23,687	31,492	47,769	55,378	64,063
Castings ..	1,215	912	1,139	3,572	1,310	1,430
Union of South Africa—						
Ingots—						
Open hearth and bessemer ..	1,082,900	1,118,900	1,244,800	1,378,800	1,396,500	1,472,000
Electric ..	100,700	102,400	110,300	122,100	128,800	180,100
Castings (b) ..	54,500	56,200	52,700	54,100	52,500	41,200
Canada—						
Ingots—						
Open hearth, basic ..	2,694,368	3,144,678	2,435,473	3,497,367	4,132,835	4,027,587
do. electric ..	500,059	435,276	344,697	468,475	496,832	368,960
Castings—						
Open hearth, basic ..	30,964	27,148	19,968	23,217	28,681	24,366
Bessemer ..	338	227	85	146	257	377
Electric ..	80,620	67,732	52,482	54,903	78,721	76,803
India—						
Ingots—						
Open hearth, basic ..	1,464,867	1,381,571	1,553,768	1,578,178	1,624,948	1,598,340
do. acid ..	37,580	37,495	31,263	25,830	—	—
Electric ..	52,288	61,806	69,345	66,713	70,994	63,582
Castings ..	23,445	25,666	30,378	33,538	41,987	48,269
FOREIGN COUNTRIES						
Belgium—						
Ingots, open hearth ..	616,950	493,975	485,228	630,338	658,941	630,000
do. bessemer, basic ..	4,145,493	3,741,019	4,243,509	4,898,081	5,200,402	5,080,000
do. electric ..	159,051	127,971	109,715	166,892	276,482	350,000
Castings ..	65,840	62,659	55,544	64,571	75,282	120,000
France—						
Ingots and castings—						
Bessemer, acid ..	72,581	79,182	77,255	78,631	78,526	111,000
do. basic ..	6,502,072	5,936,789	6,214,277	7,559,856	7,914,062	8,248,000
Open hearth, acid ..	2,256	2,236	—	950	1,007	(a)
do. basic ..	3,325,258	3,143,157	3,343,421	3,838,241	4,195,671	4,413,000
Crucible ..	3,819	2,691	3,124	2,901	3,086	3,000
Electric ..	789,075	675,021	821,077	912,358	994,397	1,098,000
Of which—						
Ingots ..	10,695,060	9,604,977	10,227,524	12,152,464	12,948,937	13,567,000
Castings ..	230,341	234,099	231,630	240,473	237,812	306,000
Germany (Federal)—						
Ingots—						
Open hearth ..	7,846,000	8,211,196	9,478,000	10,964,000	11,708,000	12,435,000
Bessemer, basic ..	6,825,000	6,104,747	6,732,000	8,806,000	9,647,000	10,015,000
do. acid ..	127,000	55	—	—	—	—
Electric ..	373,000	370,974	476,000	656,000	848,000	1,025,000
Other ..	32,000	24,399	6,000	3,000	1,000	54,000

(a) Information not available.

(b) Produced for sale.

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

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)-(cont.)						
Castings—						
Open hearth	200,000	189,587	168,000	198,000	208,000	185,000
Bessemer	6,000	111,981	—	—	—	—
Electric	128,000	143,145	190,000	253,000	287,000	302,000
Other	19,000	20,338	108,000	117,000	123,000	104,000
Germany (East)—						
Open hearth	1,473,800	1,684,900	1,842,000	1,988,000	2,165,000	2,270,000
Basic Bessemer	246,200	249,200	251,400	275,900	310,200	330,000
Electric	136,100	195,100	199,900	203,900	221,000	250,000
Italy—						
Ingots	3,369,519	3,339,683	4,029,464	5,179,736	5,683,269	6,536,301
Castings	109,770	105,280	110,956	129,702	131,058	143,934
Luxemburg—						
Bessemer, basic	2,896,796	2,568,000	2,735,000	3,106,529	3,321,667	3,364,604
Electric	57,501	49,000	48,000	67,861	79,469	72,918
Norway—						
Ingots	84,064	95,371	104,982	154,110	269,595	(a)
Castings	12,455	13,412	13,759	14,103	15,872	(a)
Saar—						
Ingots—						
Open hearth	634,384	637,839	662,618	684,148	734,549	738,362
Bessemer, basic	2,074,857	1,947,383	2,036,009	2,362,828	2,508,279	2,592,721
Electric	43,261	29,538	38,050	41,235	44,413	45,515
Castings—						
Open hearth	4,380	5,332	4,946	4,974	7,173	5,206
Bessemer, acid	4,122	4,122	2,792	1,660	274	—
Electric	17,231	16,935	15,931	20,208	26,120	2,536
Spain—						
Open hearth and bessemer	784,582	739,915	911,355	995,375	975,120	1,002,806
Electric	108,385	142,706	168,276	197,908	248,185	321,702
Sweden—						
Open hearth, acid	218,949	193,727	213,061	238,204	274,875	271,695
do. basic	535,817	505,827	496,068	527,645	556,285	536,191
Bessemer, acid	30,646	28,238	28,648	35,125	41,204	37,439
do. basic	125,783	205,738	293,586	358,526	409,991	427,315
Electric	728,170	797,548	779,487	931,559	1,057,633	1,105,366
Other	—	—	—	—	21,014	65,976
Yugoslavia—						
Open hearth	418,668	487,607	578,765	746,844	819,002	970,000
Electric	16,700	19,000	27,602	46,449	53,724	61,900
United States—						
Ingots—						
Open hearth, acid	481,525	453,370	219,062	(c) 495,399	(c) 600,532	(c) 562,546
do. basic	73,283,539	89,050,585	71,380,259	(c) 93,575,509	(c) 91,221,419	(c) 90,203,326
Bessemer	3,146,140	3,442,594	2,275,093	2,963,854	2,882,140	2,209,945
Crucible and electric	5,985,477	6,451,812	4,804,650	7,461,742	(c) 8,167,471	(c) 7,662,573
Castings (b)—						
Open hearth, acid	146,188	123,500	55,819	} (d) 173,352	} (d) 247,967	(d) 262,921
do. basic	58,782	81,316	65,837			
Electric	84,098	48,358	48,969			
Japan—						
Open hearth	5,747,137	6,183,701	6,265,084	7,690,201	8,825,319	(a)
Bessemer, basic	196,843	339,003	357,968	400,267	441,847	(a)
Electric	934,007	1,018,444	1,004,465	1,168,645	1,663,811	(a)

(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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Pig-iron—						
Forge and foundry ..	119	1,257	18,578	29,058	86,550	57,761
Refined ..	4,410	4,825	7,158	12,020	42,811	49,295
Other ..	196	303	18,012	10,097	14,174	22,078
Spiegeleisen and ferro-						
manganese ..	1,785	950	8,903	1,195	966	655
Ferro-tungsten ..	96	133	398	587	1,161	561
Ferro-molybdenum ..	232	312	248	430	439	161
Ferro-titanium ..	519	366	304	308	662	393
Ferro-vanadium ..	73	125	6	23	9	9
Other ferro-alloys ..	621	898	1,237	1,646	2,496	2,147
Iron and steel ingots ..	22	64	103	250		
Blooms, billets and						
slabs—						
Iron ..	10	132	51	76	1,951	4,449
Steel ..	87	512	1,950	2,863		
Special steel ..	40	300	651	379		
Old and scrap (b) ..	545	1,743	6,287	9,111	5,948	3,137
Channel Islands (Jersey)—						
Scrap ..	1,497	2,804	1,131	2,562	2,652	2,523
Malta—						
Scrap ..	(a)	(a)	11,267	9,047	8,915	10,893
Nigeria—						
Scrap ..	(a)	(a)	1,052	2,839	10,923	22,402
Southern Rhodesia—						
Pig-iron ..	3,666	4,671	1,927	195	5,022	10,599
Ferro-chrome ..	(a)	247	2,294	6,616	7,650	8,108
Ferro-silicon ..	(a)	(a)	394	93	64	—
Union of South Africa—						
Pig-iron ..	8,390	5,339	42,315	21,614	649	2,350
Ferro-alloys ..	5,540	7,899	5,599	19,171	31,817	32,590
Ingots, blooms, billets,						
etc. ..	117	17	34	123	415	42
Tool and drill steel ..	137	51	66	99	245	159
British West Indies—						
Trinidad and Tobago—						
Old and scrap ..	10,407	16,058	6,684	10,974	11,604	13,199
Canada—						
Pig-iron ..	335,703	308,406	180,896	227,207	230,024	515,714
Spiegeleisen ..	—	508	—	—	210	637
Ferro-chrome ..	39,545	30,200	13,664	11,030	8,837	9,225
Ferro-manganese ..	27,937	610	3,249	26,254	53,076	41,726
Ferro-silicon ..	71,574	48,578	30,984	52,290	68,438	58,004
Other ferro-alloys ..	2,993	471	761	966	554	690
Billets, ingots and						
blooms ..	50,292	113,404	4,773	237,919	44,246	58,200
Old and scrap ..	78,382	366,079	499,349	529,221	589,395	610,862
Tin-plate scrap ..	25,347	23,301	25,542	29,100	28,823	29,892
Hong Kong (including						
re-exports)—						
Pig-iron ..	—	—	2	—	1,701	1,172
Special steel ..	2	34	24	45	73	71
Old and scrap ..	42,265	41,321	35,127	64,057	96,897	71,277
Tinplate scrap ..	(a)	1,372	2,866	2,359	2,444	6,307
India—						
Pig-iron ..	9,234	17,700	11,279	38,568	13,686	406
Old and scrap ..	324,735	390,795	126,126	148,057	175,707	92,944

(a) Information not available.

(b) Excluding ships intended for breaking up as follows (long tons):—1952—Nil; 1953—Nil; 1954—32,200; 1955—8,602; 1956—10,658; 1957—5,281.

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

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Malaya (including re-exports)—						
Pig-iron	169	76	160	274	277	1,229
Ingots, slabs etc. ..	(a)	36	555	105	166	2
Scrap	110,739	82,955	50,772	57,111	115,147	99,179
Tin-plate scrap	1,986	1,613	2,419	2,684	2,601	1,894
Australia (b)—						
Pig-iron	13,931	161,131	116,311	60,278	14,425	17,486
Ferro-alloys	70	185	8	11	1	23
Ingots, blooms and billets	2,011	78,446	106,061	7,806	987	1,575
Old and scrap	3	26,665	119,337	49,835	57,545	170,673
Tin-plate scrap	9,858	11,180	8,394	11,642	9,519	9,830
New Zealand—						
Scrap	12,643	33,831	19,728	26,224	53,131	88,402
Irish Republic—						
Old and scrap	12,183	18,520	15,216	19,688	18,523	23,360
FOREIGN COUNTRIES						
Austria—						
Pig-iron	521,859	519,648	293,770	317,909	333,178	255,369
Ingots and blooms ..	300	83,605	40,088	37,501	61,619	157,031
do. special steel ..	27,293	131	—	261	25	206
Scrap	11,372	10,072	4,795	2,117	3,123	9,371
Belgium-Luxemburg E.U.—						
Pig-iron	12,987	21,657	42,696	35,932	19,516	26,228
Spiegeleisen			4,677	4,678	3,769	4,299
Ferro-manganese ..	111	10	3,230	7,044	4,477	14,088
Other ferro-alloys ..	43	6	7	54	68	11
Crude iron and steel ingots	6,243	10,290	1,107	3,014	8,822	4,436
Steel blooms and billets	515,372	340,015	365,865	408,725	355,264	545,944
Special steel	(a)	2,173	1,918	2,176	5,426	1,572
Old and scrap	55,661	175,806	182,947	83,963	36,975	93,796
Denmark—						
Old and scrap	12,010	19,389	20,115	26,242	24,833	24,247
Finland—						
Pig-iron	7,056	3,026	1,031	15,369	1,838	27,802
Ferro-alloys	—	—	—	6	2	4
Old and scrap	358	2,392	963	1,097	2,077	1,681
France—						
Pig-iron	309,954	273,959	117,295	407,674	243,870	183,815
Spiegeleisen	10,770	1,209	1,212	5,500	4,725	425
Ferro-manganese ..	18,287	42,460	54,891	96,742	116,822	122,795
Ferro-silicon	4,074	2,539	8,096	12,018	4,055	5,812
Ferro-chrome	4,599	6,232	6,051	11,615	10,130	11,887
Other ferro-alloys ..	917	1,631	1,888	3,051	915	1,732
Ingots	2,080	13,643	11,146	48,744	79,363	84,069
Blooms and billets, forged or rolled ..	174,808	324,682	432,739	432,417	199,971	154,014
Old, filings and scrap ..	87,170	68,584	852,038	659,211	544,010	643,651
Germany (Federal)—						
Pig-iron	325,678	199,823	374,116	301,934	343,452	493,903
Ferro-alloys	2,551	60,555	8,912	28,273	74,113	56,114
Rough blooms, bars, ingots, etc.	67,883	146,145	361,645	316,921	242,952	492,171
Old and scrap	428,515	478,298	759,597	486,968	758,233	742,500

(a) Information not available.

(b) Years ended June 30 of that stated.

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

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957					
FOREIGN COUNTRIES (cont.)											
Greece—											
Scrap	26,868	9,789	12,354	5,333	4,298	1,842					
Italy—											
Pig-iron	6	—	—	16	2,525	232					
Spiegeleisen	2,633	—	—	—	502	20					
Ferro-manganese	694	1,147	1,001	550	736	211					
Ferro-silicon	20,112	3,571	9,248	9,988	2,835	3,066					
Ferro-silico-manganese	3,282	427	153	—	—	15					
Ferro-chrome	200	67	5	220	1,707	3,407					
Other ferro-alloys	183	—	—	14	23	—					
Ingots, blooms and sheet bar	98	266	29,131	16,044	62,470	129,342					
Scrap	109	604	217	1,406	1,589	15,514					
Netherlands—											
Pig-iron	219,256	196,231	206,274	259,065	183,368	143,603					
Ferro-alloys							30	30	192	27	86
Ingots, blooms and billets							3,281	1,727	30	14	372	138
Old and scrap	58,728	150,240	140,145	197,784	259,593	259,058					
Norway—											
Pig-iron—electric	35,614	26,579	37,086	51,440	42,811	44,288					
Ferro-chrome	19,414	14,293	10,562	25,542	22,594	19,338					
Ferro-manganese	83,488	64,361	48,669	64,478	74,264	77,719					
Ferro-silicon	54,736	55,086	64,490	73,947	78,678	(a)					
Ferro-silico-manganese	17,797	11,580	22,354	30,437	45,811	45,126					
Other ferro-alloys	87	5	277	280	697	2,200					
Steel ingots	537	3	678	3,838	29,850	25,468					
Tool steel	(a)	1,185	1,560	2,148	2,415	2,007					
Old and scrap	1,746	787	677	1,208	11,545	19,463					
Portugal—											
Old and scrap	15,497	11,946	9,842	33,510	23,071	24,757					
Spain—											
Pig-iron	30,366	46,766	19,455	22,205	13,808	984					
Sweden—											
Pig-iron	50,559	99,360	60,250	56,450	40,925	33,533					
Sponge iron	8,657	12,022	16,092	21,130	20,072	22,233					
Ferro-manganese	365	364	824	1,059	740	1,229					
Ferro-silicon	5,783	3,573	6,739	6,844	4,007	3,983					
Ferro-silico-manganese	82	3	319	35	1	—					
Ferro-chrome	6,488	5,694	6,325	10,935	10,516	9,263					
Ferro-tungsten	107	93	173	110	59	48					
Other ferro-alloys	707	67	126	241	404	362					
Steel ingots	8,527	4,940	2,484	5,050	2,801	1,023					
Steel blooms	92	—	—	—	—	34					
Tool steel	436	427	407	329	578	465					
Other special steel	1,961	1,608	1,906	2,738	3,305	4,084					
Old, filings and scrap	5,849	5,445	6,883	12,798	9,999	11,893					
Switzerland—											
Pig-iron and steel, etc.	65	500	2,828	4,417	5,733	10,872					
Ferro-alloys	3,235	1,369	2,273	960	1,327	1,849					
Old, filings and scrap	7,266	2,630	3,584	2,981	2,657	4,397					
U. S. S. R.—											
Pig iron (b)	(a)	(a)	(a)	1,131,200	1,337,900	1,258,100					
Ferro-manganese (b)	(a)	(a)	(a)	25,200	30,900	41,000					
Ferro-silicon (b)	(a)	(a)	(a)	25,000	37,300	39,600					
Steel ingots and billets	(a)	(a)	(a)	183,200	403,700	421,900					
Scrap	(a)	(a)	(a)	51,400	54,800	54,300					
Yugoslavia—											
Ferro-chrome	1,689	1,853	1,855	3,490	2,857	2,645					
Ferro-manganese	2,322	1,335	2,215	4,019	2,877	3,845					
Silico-manganese	359	1,132	123	797	493	787					

(a) Information not available.

(b) May include some foreign produce.

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

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Yugoslavia (<i>cont.</i>)—						
Ferro-silicon	329	30	229	671	563	605
Other ferro-alloys	20	—	—	—	—	15
Steel ingots	—	—	—	165	80,820	46,510
Scrap	505	1,443	770	445	667	—
Algeria—						
Old, filings and scrap	68,020	77,440	64,546	62,874	72,555	88,309
Egypt—						
Scrap	115	5,393	(a)	(a)	(a)	(a)
Morocco (Southern)—						
Old and scrap	21,955	37,450	22,438	46,506	58,000	(a)
Mozambique—						
Scrap	2,768	3,993	621	2,213	4,774	5,071
Tunis—						
Scrap	44,979	34,221	26,967	42,712	55,667	61,507
Cuba—						
Old and scrap	28,852	27,826	16,502	30,195	90,500	(a)
Mexico—						
Ferro-alloys	918	—	—	1,275	3,166	2,996
United States—						
Pig-iron	12,576	16,819	9,149	31,240	238,549	785,404
Ferro-manganese	(b) 1,327	993	1,546	1,597	2,007	6,603
Ferro-chrome	1,138	542	1,879	4,191	4,943	4,049
Ferro-molybdenum	487	289	111	156	422	171
Ferro-vanadium	131	70	63	196	184	120
Ferro-silicon	6,464	1,516	1,857	1,508	1,888	2,365
Ferro-tungsten	132	16	5	1	1	2
Ferro-titanium	290	165	153	219	325	327
Other ferro-alloys	39,772	21,127	21,884	47,779	67,613	45,160
Steel ingots, slabs, blooms, billets and sheet bars	635,778	80,018	26,308	554,762	323,861	454,728
Old and scrap	299,381	259,979	1,486,490	4,565,371	5,597,914	6,044,397
Tin-plate scrap	3,570	5,195	944	144	3,377	3,628
Brazil—						
Pig-iron	5,642	(a)	(a)	20,549	92,109	29,632
Ferro-manganese	1,060	(a)	(a)	—	984	1,673
Ferro-nickel	89	(a)	(a)	—	98	—
Ferro-silicon	830	(a)	(a)	98	—	—
Chile—						
Pig-iron	53,866	11,969	32	—	11,908	17,829
Ferro-manganese	1,975	2,210	6,014	7,903	2,997	5,711
Indonesia—						
Scrap	24,825	153,871	19,611	45,741	79,016	53,709
Japan—						
Pig-iron	25,706	1,532	24,663	82,302	48	4
Ferro-chrome	14	49	7	2,576	3,570	5,223
Ferro-manganese	7,972	23,573	14,230	41,532	53,131	35,490
Ferro-silicon	323	972	840	2,372	1,132	595
Other ferro-alloys	363	557	5,725	7,437	12,890	21,020
Ingots, blooms and billets	175,229	115,695	129,338	343,442	218,165	38,005
Scrap	1,840	263	4,672	599	42	—
Korea (South)—						
Scrap	101,735	15,117	6,423	7,035	—	—
Lebanon—						
Scrap	21,547	3,538	2,063	8,772	8,705	10,924
Philippine Republic—						
Scrap	9,432	6,889	7,000	20,112	33,451	36,913
Turkey—						
Ingots and blocks	18,849	—	—	19,657	—	8,070
Old and scrap	41,730	11,023	2,809	2,981	3,862	11,476

(a) Information not available.

(b) Including spiegeleisen.

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

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Pig-iron—						
Charcoal	2,242	646	187	570	10,335	483
Forge and foundry	2,471	—	—	7,827	992	—
Hematite	107,982	114,924	43,944	66,582	40,775	7,362
Basic	613,389	573,941	290,048	588,884	490,125	305,237
Other pig-iron	5,402	3,122	3,739	6,627	5,611	4,165
Sponge-iron	678	961	1,266	2,830	2,499	3,393
Spiegeleisen and ferro-manganese	718	762	3,386	16,550	41,674	83,254
Ferro-silicon	84,433	62,752	35,017	70,361	80,062	77,499
Ferro-silicon-chrome	588	171	662	1,695	2,313	2,097
Ferro-chrome	33,729	16,821	9,134	26,187	26,211	29,192
Silico-manganese	12,322	10,821	6,898	10,308	13,977	13,845
Other ferro-alloys	1,980	250	614	1,740	1,646	1,454
Iron and steel ingots	352,785	137,128	33,754	183,103	115,501	11,420
Blooms, billets, slabs—						
Iron	17	1,002	2,229	633	16	223
Steel	387,014	394,413	67,976	291,483	256,881	234,905
Special steel	15,724	6,568	2	1,106	8,816	5,672
Old and scrap (b)	728,386	861,028	759,126	1,271,720	981,447	665,574
Kenya—						
Pig-iron	558	923	573	701	740	1,273
Ingots, blooms, etc.	—	—	260	1,833	2,076	1,555
Mauritius—						
Pig-iron, ingots etc.	5	41	18	6	17	28
Northern Rhodesia—						
Pig, ingots, etc.	5,122	5,607	(c)	(c)	(c)	(c)
Southern Rhodesia—						
Pig, ingots, etc.	4,340	2,520	(d) 420	(d) 305	(d) 285	(d) 146
Tool and drill steel	199	127	(d) 23	(d) 212	(d) 231	(d) 387
South West Africa—						
Pig-iron	86	241	—	(e)	(e)	(e)
Ferro-alloys	212	299	90	(e)	(e)	(e)
Tool and drill steel	11	17	12	(e)	(e)	(e)
Tanganyika—						
Pig-iron	209	233	150	206	24	80
Ferro-alloys	—	60	—	—	272	488
Ingots, blooms, etc.	1	2	6	873	127	806
Union of South Africa—						
Pig-iron and steel ingots	194	65	54	(f) 19	(f) 11,094	(f) 16,888
Ferro-silicon	—	2	8	(f) —	(f) 22	(f) 28
Ferro-manganese	56	90	9	(f) —	(f) —	(f) —
Other ferro-alloys	61	70	164	(f) 118	(f) 186	(f) 229
Tool and drill steel	4,492	651	461	(f) 604	(f) 1,290	(f) 1,452
Canada—						
Pig-iron	1,487	22,754	17,865	11,962	11,283	6,287
Sponge iron	6	8	105	379	284	308
Ferro-manganese	1,454	932	7,613	3,522	1,956	664
Ferro-silicon	4,875	449	214	376	589	723
Ferro-tungsten	220	28	38	51	92	76
Silico-manganese	136	16	17	243	1,009	2,015
Other ferro-alloys	1,197	1,294	1,965	5,068	6,502	5,050
Ingots, blooms and billets	129,791	25,340	4,242	3,338	12,244	18,994
Scrap	183,685	89,404	57,449	391,471	750,220	431,137

(a) Information not available.

(b) Excluding ships intended for breaking up as follows (long tons):—1952—116,203; 1953—203,832; 1954—245,775; 1955—149,830; 1956—28,717; 1957—18,297.

(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.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Trinidad and Tobago—						
Pig-iron	1	23	5	21	57	10
Ingots, etc.	153	12	8	41	55	775
Ceylon—						
Pig-iron	470	398	972	429	350	227
Ingots, blooms, billets ..	(a)	(a)	(a)	1,209	4,630	3,201
Cyprus—						
Pig-iron	299	10	665	103	687	1,899
Hong Kong (e)—						
Pig-iron	651	370	882	2,442	10,395	6,275
Ingots, blooms and billets	459	345	379	186	959	1,504
Special steel	162	664	315	162	239	760
Old and scrap	3,877	4,865	12,296	20,920	20,141	30,281
Tinplate scrap	1,814	4,631	7,073	8,525	8,166	12,113
India—						
Pig-iron	20	—	—	—	47,420	113,608
Ingots, blooms and billets	28,047	12,134	7,046	40,389	125,846	228,710
Tool steel	743	629	388	2,122	3,438	3,548
Ferro-chrome		50	87	193	77	259
Ferro-manganese		580	6,197	481	291	275
Ferro-silicon	88	9	323	266	191	18
Other ferro-alloys		315	496	192	212	544
Old and scrap	(d) 12,770	(d) 44,511	(d) 10,413	1,005	23,271	8,966
Malaya (e)—						
Pig-iron	2,719	639	1,314	3,593	3,847	3,599
Ferro-alloys	(a)	41	59	70	68	43
Ingots, slabs, etc.	(a)	2,041	749	316	490	1,500
Scrap	3,383	1,549	3,820	2,365	5,671	4,841
Tinplate scrap	25	6,074	4,600	4,659	5,974	7,489
Pakistan—						
Pig-iron	(b) 615	(b) 5,956	(b) 30,529	(b) 13,427	15,263	27,769
Ferro-alloys	(b) 33	(b) 360	(b) 73	(b) 806	—	104
Ingots, blooms and billets	(b) 32,729	(b) 46,395	(b) 37,101	(b) 66,050	52,204	85,167
Tool steel	(b) 27	(b) 15	(b) 61	(b) 332	299	143
Old and scrap	(b) 303	(b) —	(b) —	(b) 47	11	139
Australia (c)—						
Pig-iron	9,253	(d) 699	—	—	(d) 158	—
Ferro-manganese	54	110	684	2,206	10,357	2,781
Ferro-chrome	556	2,157	1,012	994	1,701	1,911
Ferro-molybdenum	28	76	152	97	114	158
Other ferro-alloys	1,698	178	1,176	7,481	4,379	7,625
Ingots and billets of high grade carbon alloy steels	267	428	79	368	393	231
Other ingots and billets	2,110	507	141	148	345	187
Scrap	1,140	(d) 178	(d) 3,882	175	(d) 1,497	(d) 1,144
New Zealand—						
Pig-iron	15,398	4,844	10,940	7,523	8,553	5,480
Ferro-alloys	251	54	74	9	6	31
Billets and blooms	6,114	4,369	147	140	181	328
Special steel	1,029	955	787	1,547	632	2,756

(a) Information not available.

(b) Years ended March 31 following that stated.

(c) Years ended June 30 of that stated.

(d) Excess of re-exports.

(e) Total imports.

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

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957		
BRITISH COUNTRIES								
<i>(cont.)</i>								
Irish Republic—								
Pig-iron	3,199	2,914	5,062	7,292	6,368	3,635		
Ferro-alloys	81	99	522	448	455	295		
Ingots, blooms and billets	6,397	79	2,514	6,314	5,620	1,114		
Old and scrap	741	8	223	64	2	5		
FOREIGN COUNTRIES								
Austria—								
Pig-iron	1,824	460	1,941	5,982	8,332	9,492		
Ferro-manganese	6,862	2,709	4,308	5,951	7,219	7,518		
Ferro-silicon	5,558	2,415	2,902	6,629	7,205	8,603		
Other ferro-alloys	5,410	4,384	7,544	8,915	9,871	11,445		
Ingots and blooms	12,312	1,939	9,025	13,116	5,062	1,151		
do. special steel	52,065	—	—	27	—	—		
Scrap	45,379	32,463	56,499	83,834	134,723	208,099		
Belgium-Luxemburg E.U.—								
Pig-iron	} 223,903	} 172,594	205,781	378,975	406,118	304,020		
Sponge-iron			263	615	151	302		
Spiegeleisen			8,478	8,994	19,451	16,642		
Ferro-chrome, etc.			(b)	(b)	1,107	2,224	2,813	1,834
Ferro-manganese			81,421	49,651	42,901	62,357	71,532	80,948
Ferro-silico-manganese			(b)	1,165	2,973	1,640	3,002	2,553
Ferro-molybdenum			90	51	67	166	177	242
Ferro-silicon			(b)	(b)	8,857	12,060	17,636	17,034
Ferro-tungsten			345	47	40	52	69	31
Other ferro-alloys			19,162	11,410	276	376	687	539
Crude iron ingots	2,288	78,241	} 23,852	} 23,182	} 947	} 4,452		
Steel ingots	199	79						
Blooms and billets	7,450	19,214					25,804	48,486	45,711	37,226
Special steel	(a)	(a)	206	162	411	571		
Old and scrap	183,956	245,230	166,765	358,227	704,917	527,466		
Denmark—								
Pig-iron	47,929	40,791	49,578	57,298	56,135	69,673		
Ferro-chrome	329	151	158	211	356	132		
Ferro-manganese, etc.	1,278	2,406	3,535	2,716	2,412	2,460		
Ferro-silicon	4,402	5,558	4,126	2,616	4,617	3,593		
Other ferro-alloys	29	88	9	418	40	69		
Old and scrap	2,536	1,723	1,614	4,670	1,445	6,427		
Finland—								
Pig-iron	21,136	6,344	49,607	7,598	6,465	5,302		
Billets	38,207	16,957	51,945	29,626	48,450	51,882		
Ferro-manganese and spiegeleisen	1,186	1,165	1,620	1,754	2,556	2,925		
Other ferro-alloys	2,831	2,100	1,640	2,219	3,008	3,446		
Old and scrap	41,728	31,673	49,380	66,399	47,051	49,639		
France—								
Pig-iron—hematite	12,457	35,763	82,144	113,391	102,602	184,893		
do. other	3,511	10,183	9,797	13,709	16,922	18,007		
Spiegeleisen	2,736	3,140	15,955	16,589	16,561	26,816		
Ferro-manganese	479	563	2,686	6,012	887	40		
Ferro-silicon	59	60	507	57	126	176		
Ferro-chrome	—	4	13	20	5	2		
Other ferro-alloys	36	18	1,612	14,039	13,590	16,655		
Ingots	1,425	13	9,168	7,515	29,434	45,543		
Blooms and billets, rolled or forged	44,320	80,329	141,783	233,342	115,431	127,895		
Old, filings and scrap	9,321	15,966	86,789	363,023	656,566	624,356		

(a) Information not available.

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

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

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Pig-iron	145,371	65,727	120,319	195,520	126,369	68,912
Ferro-alloys	29,961	16,990	66,689	103,786	73,756	72,410
Rough blooms, ingots, bars, etc.	153,369	89,291	102,379	142,065	247,827	248,348
Old and scrap	25,871	161,880	597,146	1,110,300	583,533	1,270,900
Germany (East)—						
Pig iron	263,000	201,928	239,076	289,755	338,818	436,629
Greece—						
Pig-iron	11,493	5,251	28,730	31,367	36,150	33,749
Ingots, blooms, slabs, etc.	(a)	(a)	38,692	54,445	86,186	73,297
Scrap	(a)	(a)	2,354	1,734	1,320	(a)
Hungary—						
Pig iron	142,387	163,419	183,765	97,552	117,334	108,856
Italy—						
Pig-iron	100,493	95,148	222,482	341,088	335,981	380,309
Spiegeleisen	4,064	2,162	1,129	2,506	2,145	168
Ferro-chrome	1,407	2,385	3,240	3,401	6,456	5,870
Ferro-manganese	19	162	789	3,857	8,211	9,169
Ferro-silicon	1	572	684	243	702	2,628
Ferro-silico-manganese	19	—	118	538	1,129	2,840
Ferro-molybdenum	218	282	183	169	276	303
Ferro-titanium	155	79	36	101	209	146
Ferro-tungsten	90	96	31	100	37	79
Ferro-vanadium	54	22	17	36	38	65
Other ferro-alloys	83	245	139	58	85	70
Steel ingots	28,811	22,289	23,973	27,296	42,475	113,347
Steel blooms and sheet bar	65,809	105,668	114,529	104,571	93,652	81,168
Old and scrap	673,744	1,014,848	1,469,354	2,231,987	2,279,768	2,774,365
Netherlands—						
Pig-iron and spiegeleisen	3,412	3,470	15,203	16,725	24,121	22,427
Ferro-manganese			5,401	7,376	7,100	10,278
Ferro-chrome			188	165	258	186
Ferro-silicon			1,821	2,274	3,548	3,837
Ferro-silico-manganese	7,062	5,173	401	236	513	277
Ferro-molybdenum			24	32	40	35
Other ferro-alloys			31	65	101	152
Ingots, blooms, billets, etc.	3,852	37,420	99,366	241,492	118,886	175,330
Old and scrap	3,574	3,513	32,137	68,580	60,276	63,505
Norway—						
Pig-iron	16,277	15,054	20,386	21,171	16,010	12,763
Ferro-tungsten and ferro vanadium	21	19	12	26	31	57
Other ferro-alloys	93	76	148	165	190	1,438
Ingots, blooms, billets, etc.	25,421	8,518	3,858	4,259	7,862	3,913
Tool steel, etc.	(a)	(a)	806	826	1,067	1,371
Old and scrap	5,528	4,214	8,973	15,863	15,768	8,280
Portugal—						
Iron and steel ingots	7,283	8,981	13,537	12,933	10,452	12,306
Ferro-alloys	159	117	3	24	24	35
Old and scrap	596	1,091	4,709	2,920	2,769	3,179
Spain—						
Pig-iron	1,600	1,223	1,963	1,455	1,285	14,384
Ferro-manganese	4,403	5,460	3,339	1,729	163	342
Other ferro-alloys	448	978	262	571	590	398
Special steel	2,729	4,298	3,330	2,329	2,742	3,834
Old and scrap	23,885	32,499	52,907	62,657	83,431	69,158

(a) Information not available.

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

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
(cont.)						
Sweden—						
Pig-iron	116,862	52,396	98,490	97,461	143,769	89,818
Spiegeleisen	57	15	30	76	221	88
Ferro-manganese	1,445	1,850	2,897	3,032	6,952	7,016
Ferro-chrome	1,612	1,310	1,350	1,883	8,082	5,430
Ferro-silicon and ferro-silico-manganese	392	292	436	1,735	5,110	4,249
Ferro-tungsten	—	1	—	49	158	141
Other ferro-alloys	262	786	459	1,097	1,919	4,139
Tool steel	17	4	4	7	4	24
Old, filings and scrap	92,378	34,243	46,008	69,556	24,649	37,509
Switzerland—						
Pig-iron, steel billets, blooms, etc.	103,795	53,903	134,330	155,713	185,731	157,291
Ferro-alloys	3,070	1,375	3,411	4,036	4,580	4,490
Old, filings and scrap	318	8,460	12,198	28,602	22,910	12,134
U.S.S.R. (b)—						
Pig iron	(a)	(a)	(a)	573,800	489,700	150,000
Ferro-alloys	(a)	(a)	(a)	5,000	5,200	4,700
Yugoslavia—						
Pig-iron	17,643	11,576	28,219	523	1,224	12,380
Ferro-alloys	144	186	343	373	683	553
Ingots, blooms and billets	2,595	4,668	—	—	—	469
Scrap	21,274	3,872	75,245	21,831	21,987	55,975
Algeria—						
Pig-iron	1,738	774	873	1,102	491	413
Spiegeleisen and ferro-alloys	475	418	363	538	626	552
Ingots, blooms and billets	17,421	12,038	14,455	21,122	20,329	22,164
Old, filings and scrap	147	318	42	408	140	47
Belgian Congo—						
Pig-iron	(a)	2,430	1,214	3,017	1,686	647
Ferro-alloys	(a)	312	161	75	208	379
Egypt—						
Pig-iron and spiegeleisen	3,153	2,575	1,591	3,527	(a)	(a)
Ferro-alloys	657	795	690	1,286	(a)	(a)
Ingots, billets, etc.	541	8	1,611	2,158	(a)	(a)
Special steel	934	1,351	1,122	1,872	(a)	(a)
Scrap	3,133	2,039	1,187	2,562	(a)	(a)
Morocco (Southern)—						
Pig-iron	1,310	1,630	1,220	929	579	590
Ferro-alloys	160	154	112	146	151	138
Scrap, etc.	1,573	1,913	522	1,128	176	315
Sudan—						
Crude iron and steel	8,341	12,220	9,716	7,108	5,415	10,395
Tunis—						
Pig-iron	(a)	9	66	77	59	106
Steel ingots and billets	(a)	2	3	—	26	—
Old and scrap	(a)	1,887	364	2,479	388	2,084
Cuba (b)—						
Iron ingots	322	284	424	503	148	(a)
Mexico (b)—						
Pig-iron	1,723	1,501	344	5,347	27	—
Ferro-manganese	894	123	130	145	159	160
Other ferro-alloys	2,861	1,200	1,298	2,784	2,659	3,342
Steel ingots, blooms and billets	5	9	7,587	5	204	12,264
Scrap	129,523	115,250	166,278	206,359	302,892	293,608
Tin-plate scrap	11,187	24,285	32,891	24,208	28,740	15,933

(a) Information not available.

(b) Total imports.

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

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Salvador—						
Ingots, blooms, billets	391	491	523	477	1,242	794
Scrap	(a)	187	187	462	859	420
United States—						
Pig-iron	339,464	526,630	259,568	253,177	291,697	201,238
Spiegeleisen	39	701	—	—	209	—
Ferro-chrome	19,067	29,716	14,976	27,054	35,607	42,562
Ferro-manganese	57,227	112,963	50,689	58,029	143,038	301,856
Ferro-silicon	11,450	12,324	15,885	21,749	19,658	17,772
Ferro-titanium	100	154	4	28	101	114
Ferro-tungsten	281	336	276	373	479	225
Sponge iron	5,420	5,335	3,446	4,000	3,552	1,442
Bar-iron, slabs, blooms, etc.	284	155	195	71	183	101
Steel ingots, blooms, etc.	54,566	119,363	7,842	130,447	23,341	6,953
Scrap	94,550	117,472	184,211	175,332	199,050	181,478
Tin-plate scrap	42,659	37,582	29,213	28,721	29,137	31,431
Argentina—						
Pig-iron	55,452	83,686	27,029	186,891	56,096	136,889
Ferro-manganese	1,480	2,169	4,176	698	1,908	—
Ferro-silicon	1,320	987	969	623	—	17,870
Ingots	109,583	58,000	453,081	596,307	438,246	415,594
Old and scrap	13,743	2,137	—	—	—	—
Brazil (c)—						
Ferro-manganese	—	59	166	49	—	73
Ferro-silicon	(a)	196	1,398	543	205	53
Ferro-chrome	(a)	49	114	54	44	83
Other ferro-alloys	(a)	18	227	120	84	169
Special steel	463	301	637	356	457	817
Chile—						
Pig-iron	104	31	166	497	(a)	(a)
Ferro-manganese	243	59	4	22	(a)	(a)
Ferro-silicon	1,173	530	121	93	47	(a)
Other ferro-alloys	140	164	69	13	(a)	(a)
Steel ingots	78	828	291	—	(a)	(a)
Colombia—						
Pig-iron	370	869	1,270	199	—	—
Ingots, etc.	583	415	797	451	851	314
Blooms, billets, etc.	5	220	320	107	652	(a)
Ferro-alloys	55	153	1,094	590	1,761	2,161
Peru—						
Pig-iron	446	674	431	849	752	455
Ferro-alloys	110	213	85	239	280	326
Uruguay—						
Ingots	9,820	12,173	14,152	23,265	30,857	24,226
Ferro-alloys	279	263	(a)	(a)	(a)	(a)
Venezuela (c)—						
Pig-iron and scrap	1	282	527	3,698	2,926	255
Ferro-alloys	137	270	94	296	808	704
Formosa—						
Blooms, billets, etc.	2,586	4,831	6,484	7,367	4,363	4,624
Special steel	623	711	1,454	885	1,704	1,881
Ferro-alloys	141	371	504	405	608	902
Old and scrap	2	100	10,699	2,135	37,609	38,821
Iran (b)—						
Ingots, etc. old and scrap	742	438	2,262	(a)	(a)	(a)
Israel—						
Pig-iron	1,238	5,253	2,507	2,808	2,903	10,371
Ferro-alloys	12	323	32	(a)	(a)	(a)

(a) Information not available.

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

(c) Total imports.

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

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Japan—						
Pig-iron	6,538	2,425	2,815	18,225	307,949	930,467
Ferro-alloys	1,828	2,209	2,092	163	316	411
Ingots, blooms and billets	(a)	3,744	—	1	16,235	242,506
Old and scrap	497,777	1,122,749	962,682	1,266,633	2,537,273	3,275,553
Lebanon—						
Pig-iron	591	1,888	4,235	2,687	4,793	1,477
Ferro-alloys	1	4	2	279	59	4
Old and scrap	991	557	518	2,586	2,180	2,080
Philippine Republic—						
Pig-iron	327	364	482	(a)	(a)	(a)
Ferro-alloys	192	320	129	224	493	620
Syria—						
Pig-iron	(a)	374	1,326	364	(a)	(a)
Scrap	(a)	157	906	475	(a)	(a)
Turkey—						
Ferro-alloys	115	242	952	132	711	357
Special steel	2,613	2,760	1,723	2,205	(a)	(a)

(a) Information not available.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain	5,687	7,992	8,692	7,443	7,267	8,097
Nigeria (g)	27	35	9	16	45	450
Northern Rhodesia (b) ..	12,600	11,510	15,000	16,050	15,200	15,000
Southern Rhodesia	—	40	—	14	17	23
South West Africa	52,008	58,292	68,881	80,700	86,348	82,453
Tanganyika (c)	2,371	2,755	2,118	3,601	5,116	4,851
Uganda	7	16	55	47	68	12
Union of South Africa ..	562	483	161	499	813	1,092
Canada (d)	150,752	172,952	195,085	181,037	168,620	167,777
Hong Kong	378	322	188	203	105	70
India	1,440	2,020	2,081	2,228	2,843	3,274
Australia	232,761	244,913	284,862	295,944	299,485	333,264
TOTAL	458,600	501,300	577,100	587,800	585,900	616,000
Irish Republic	1,872	898	1,349	2,617	2,285	2,000
FOREIGN COUNTRIES						
Austria	5,910	5,562	5,408	5,417	5,367	5,875
Bulgaria	(h) 10,000	(h) 10,000	(a) 2,900	(a) 4,900	54,000	62,142
Czechoslovakia (h)	1,000	1,500	2,900	4,900	5,900	5,900
Finland (d)	213	214	257	762	1,389	2,342
France	12,132	12,215	11,000	8,985	8,732	10,500
Germany—						
Federal Republic	50,782	61,767	66,224	66,370	64,448	69,993
East (e)	3,800	4,200	5,000	6,000	6,000	6,000
Greece	3,116	3,640	3,166	4,532	6,348	(a)
Italy	38,014	36,304	40,158	44,767	45,759	49,104
Norway	406	517	695	699	792	837
Poland (e)	21,000	21,000	21,000	21,000	22,000	22,000
Portugal	1,891	1,669	1,724	1,441	1,218	1,391
Roumania (b)	(e) 9,000	(e) 9,000	(e) 10,000	10,900	(e) 11,000	(e) 11,000
Spain	42,435	53,938	54,860	62,407	60,207	63,623
Sweden	20,991	25,131	29,224	31,660	32,230	35,893
U.S.S.R. (smelter) (e) ..	200,000	240,000	275,000	290,000	305,000	320,000
Yugoslavia	77,721	83,807	82,799	88,659	85,945	88,664
Algeria	4,153	7,734	10,041	10,040	10,196	10,269
Belgian Congo	—	64	164	81	(h) 100	(h) 200
Egypt	19	246	128	128	118	(h) 116
French Equatorial Africa	3,563	4,350	3,428	3,405	2,960	1,810
Morocco (Southern)	82,289	79,071	81,325	87,279	85,270	} 91,300
Morocco (Northern)	720	660	460	680	780	
Tunis	22,902	24,103	26,305	26,145	23,078	23,525
Cuba	—	—	—	62	84	63
Greenland	—	—	—	—	3,000	7,332
Guatemala	4,134	6,954	2,328	(f) 4,539	8,006	9,728
Honduras	530	760	1,148	1,751	2,067	(a)

- (a) Information not available.
(b) Smelter.
(c) Exports.
(d) Amount estimated as recoverable.
(e) Estimated.
(f) Revised.
(g) Excluding African (native) production.
(h) United States Bureau of Mines' estimate.

PRODUCTION OF LEAD ORE (cont.)

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mexico (b)	242,142	218,049	213,203	207,486	196,457	211,482
United States (b) ..	348,358	305,932	290,553	301,808	315,023	301,979
Argentina (c)	18,800	(c) 15,800	(c) 18,800	22,300	28,823	30,500
Bolivia (exports) ..	29,559	24,089	17,939	18,821	21,213	25,847
Brazil (smelter) ..	(a)	2,901	2,702	3,596	4,371	3,462
Chile	6,534	5,161	4,175	3,486	3,211	(a)
Ecuador	112	112	—	154	—	—
Peru	96,520	112,770	108,328	116,875	127,035	129,200
Burma	3,861	9,000	14,000	16,856	15,586	14,612
China (e)	2,000	5,900	10,000	11,800	14,700	14,700
Iran (d)	16,000	7,900	11,900	17,800	16,700	16,700
Japan	17,206	18,359	22,478	25,761	29,058	35,302
Korea (South) (c) ..	180	130	50	600	1,300	850
Philippine Republic ..	2,264	2,396	1,798	2,281	2,106	850
Thailand	1,089	3,525	5,165	5,233	3,946	2,987
Turkey	1,470	6,671	10,013	3,447	5,573	833
TOTAL	1,400,000	1,400,000	1,470,000	1,550,000	1,637,000	1,700,000
WORLD'S TOTAL	1,900,000	1,900,000	2,050,000	2,140,000	2,225,000	2,320,000

(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.

(e) U.S. Bureau of Mines' estimate.

METAL PRODUCTION OF LEAD

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (b) ..	4,700	6,600	6,800	6,100	6,400	7,000
Northern Rhodesia ..	12,600	11,510	15,000	16,050	15,200	15,000
Canada	163,342	147,993	148,219	132,867	132,022	127,621
India	1,132	1,694	1,791	2,234	2,497	3,174
Australia (d) ..	194,348	206,518	238,555	224,526	236,164	239,254
TOTAL	376,100	374,300	410,300	381,800	392,300	392,000
FOREIGN COUNTRIES						
Austria (c)	10,240	10,984	10,082	10,105	9,531	10,600
Belgium (c)	74,232	75,145	70,768	81,469	100,638	97,696
Bulgaria	(a)	2,700	3,000	3,300	5,913	18,995
Czechoslovakia (b) ..	6,000	8,000	8,000	8,000	9,000	9,000
France	53,508	53,920	60,446	68,272	62,324	72,600
Germany—Federal ..	91,218	106,073	108,486	105,887	114,658	135,665
do. East (b) (c) ..	17,800	26,000	30,000	30,000	30,000	30,000
Greece	2,421	3,294	2,716	2,478	3,405	3,560
Italy	33,759	37,394	36,391	41,826	38,498	39,021
Poland (b)	21,000	21,000	21,000	21,000	22,000	22,000
Portugal	1,048	869	990	957	838	740
Roumania (b)	9,000	(b) 9,000	(b) 10,000	10,900	(b) 11,000	(b) 11,000
Spain	45,808	50,440	57,694	60,832	64,724	61,534
Sweden	10,905	15,898	19,774	20,890	22,815	24,483
U.S.S.R. (b)	200,000	240,000	275,000	290,000	305,000	320,000
Yugoslavia	66,119	69,678	65,675	74,418	74,562	77,264
Morocco (Southern) ..	27,800	27,000	26,266	26,268	27,672	30,752
Tunis	25,103	26,849	26,761	25,406	23,768	24,168
Guatemala	311	648	(f) 98	—	131	—
Mexico	233,243	210,893	205,863	195,050	193,591	206,915
United States (e) ..	421,830	417,610	434,486	427,674	484,171	[476,315
Argentina	19,600	12,800	25,600	17,700	23,900	25,500
Bolivia (exports) ..	20	677	1,446	2,080	1,572	2,314
Brazil	(a)	2,901	2,702	3,596	4,371	3,462
Chile	—	—	—	495	217	(a)
Peru	49,472	58,168	56,906	59,509	58,832	67,769
Burma	1,812	8,609	10,944	19,088	19,543	19,478
China (b) (c) (h) ..	6,000	9,000	14,700	17,200	20,000	20,000
Iran (g)	490	450	1,000	1,220	752	(b) 690
Japan	15,140	17,879	29,030	32,498	40,756	(a)
Korea (South)	125	30	—	—	—	—
TOTAL	1,440,000	1,520,000	1,600,000	1,660,000	1,770,000	1,850,000
WORLD'S TOTAL ..	1,816,000	1,890,000	2,010,000	2,040,000	2,160,000	2,240,000

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

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

Year	Long tons	Year	Long tons
1952	37,709	1955	37,392
1953	34,050	1956	41,658
1954	38,146	1957	46,891

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

Year	Long tons	Year	Long tons
1952	420,798	1955	448,260
1953	434,587	1956	452,460
1954	429,397	1957	436,812

(f) United States Bureau of Mines' estimate.

(g) Years ended March 21 following that stated. Source: United States Bureau of Mines.

(h) Revised.

EXPORTS OF LEAD, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Pig-lead	9,385	7,055	7,195	3,160	7,141	10,962
Sheets and pipes	1,668	1,154	1,105	1,769	1,652	1,811
White lead	1,389	1,403	1,523	1,776	1,663	1,794
Litharge, red lead, etc.	3,304	3,036	3,789	3,397	2,437	2,953
Nigeria—						
Ore and concentrates ..	(a)	(a)	154	73	105	908
Northern Rhodesia—						
Pig, bar and ingot	10,716	11,915	13,306	12,520	14,620	12,260
South West Africa—						
Copper-lead-vanadate ores and concentrates (Pb content.) (b)	54,824	58,154	61,521	76,854	81,558	44,727
Southern Rhodesia—						
Ore	—	63	—	—	8	96
Tanganyika—						
Concentrates (Pb content)	2,371	2,755	2,118	3,601	5,116	4,851
Uganda—						
Ore	2	—	66	74	117	61
Union of South Africa—						
Ore	944	205	—	—	298	1,398
Pig, ingot and sheets ..	88	99	184	85	17	67
Canada—						
Ore (Pb content)	21,399	55,074	53,353	51,932	44,620	39,866
Pig-lead, etc.	115,840	91,857	103,937	82,772	71,101	75,483
Scrap	4,655	467	777	559	145	304
Pipes and tubes	44	56	25	20	19	24
White lead	376	1	5	6	7	15
Hong Kong—						
Ore and concentrates ..	850	595	335	376	200	175
Crude and refined unwrought (d) (e)	248	154	223	412	160	75
Scrap (d)	108	6	(a)	15	76	16
Bars, sheets, pipes, etc. (d)	179	1	15	135	23	12
Malaya (d)—						
Pig-lead	266	846	848	761	697	464
Bars, sheets, pipes, etc.	12	75	35	15	18	13
Australia (c)—						
Ores and concentrates (Pb content)	22,619	24,026	51,778	46,114	46,401	60,431
Pig-lead	106,817	142,000	170,207	140,256	145,987	167,380
Base bullion (Pb content)	23,621	48,500	33,623	40,533	29,603	53,156
Scrap	—	3,416	14,332	13,277	10,011	9,230
Sheets and pipes, etc.	787	128	633	2,802	65	206
Red and white lead, etc.	2,496	1,611	2,440	1,729	1,644	1,455
New Zealand—						
Scrap	1,143	933	833	(a)	(a)	(a)
Irish Republic—						
Ore	2,762	2,413	1,689	2,881	4,022	3,662
Scrap	1,474	1,987	2,105	2,495	1,004	441

(a) Information not available.

(d) Including re-exports.

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

(c) Years ended June 30 of that stated.

(e) Including alloys.

EXPORTS OF LEAD, ETC. (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
Austria—						
Pig-lead (b)	2,362	3,225	3,021	3,317	3,655	3,484
Scrap	—	—	27	206	—	64
Red and white lead, etc.	78	38	371	439	335	466
Belgium-Luxemburg						
E. U.—						
Pig-lead	58,953	48,542	47,615	53,691	72,058	59,743
Antimonial lead	537	637	575	1,007	330	812
Scrap	111	68	176	660	458	140
Sheets, bars, pipes and wire	3,513	3,240	4,083	3,208	4,359	4,393
Red and white lead, etc.	1,548	2,917	3,784	3,627	3,163	3,852
Denmark—						
Pig-lead	7,026	4,172	6,233	4,850	2,699	6,433
Pig-lead, alloyed	1,439	2,623	1,687	3,434	4,713	2,983
Scrap	199	207	551	198	507	738
Sheets, pipes and wire (b)	9	21	—	1	1	2
France—						
Ore	235	1,175	367	1,127	274	1,901
Pig-lead including argentiferous	6,090	10,794	14,073	13,597	6,740	10,851
Pig-lead, alloyed	323	578	398	552	547	367
Scrap	10	2	2	74	62	23
Bars, sheets and wire	1,026	640	1,149	824	513	478
Red and white lead, etc.	977	838	2,363	3,901	4,494	4,595
Germany (Federal)—						
Ore	—	—	—	223	—	6,709
Pig-lead and scrap (b)	30,779	36,851	30,831	31,441	37,059	37,633
Bars, sheets, wire, etc. (c)	6,518	7,090	3,801	1,891	1,307	1,855
Red and white lead	5,799	7,264	10,313	9,978	9,920	9,251
Greece—						
Ore	1,227	1,771	2,150	4,296	6,772	10,487
Pig-lead, etc.	997	783	548	248	612	(a)
Italy—						
Ore	6,918	7,690	8,536	10,254	8,651	7,959
Pig-lead and scrap (b)	870	30	67	15	5	280
Bars, sheets and wire (b)	410	1,558	17	—	4	4
Red and white lead	173	189	442	146	77	52
Netherlands—						
Pig-lead	2,986	4,480	9,124	4,817	7,728	8,544
Scrap	974	1,885	1,827	722	383	779
Bars, sheets and wire	1,695	898	1,037	1,265	1,368	1,287
Red and white lead	695	543	1,153	1,147	1,747	2,161
Norway—						
Ore	522	1,081	887	933	1,317	1,472
Pig-lead	329	57	347	247	114	67
Scrap	1,090	1,275	1,395	1,449	1,964	1,866
Portugal—						
Pig-lead, etc.	2	5	12	12	20	18
Red and white lead	29	15	8	7	5	9
Spain—						
Pig-lead and scrap	11,889	20,146	26,320	28,249	16,344	11,541
Sheets, wire, etc.	2,886	1,528	124	66	1,145	347
Sweden—						
Ore	11,785	8,214	9,950	12,777	15,090	17,722
Pig-lead	1,446	4,448	5,738	4,710	5,093	9,967
Scrap	136	639	195	385	486	232
Sheets and pipes	12	16	8	—	3	41
Red and white lead, etc.	128	403	464	735	681	847

(a) Information not available.

(b) Including alloys.

(c) Revised.

EXPORTS OF LEAD, ETC. (cont.)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Switzerland—						
Ores, etc.	662	652	1,139	810	805	867
Pig-lead, scrap, etc. ..	1,371	987	1,077	1,505	1,664	1,341
Sheets and pipes	1	4	8	5	—	1
U.S.S.R.—						
Pig-lead (b)	(a)	(a)	(a)	25,800	39,900	54,000
Yugoslavia—						
Concentrates	492	(a)	(a)	(a)	(a)	(a)
Pig-lead	61,032	60,246	56,188	61,657	57,662	62,986
Antimonial lead	—	—	—	263	595	738
Scrap	353	680	554	71	(a)	(a)
Plates and sheets	(a)	10	71	105	529	120
Red lead	(a)	454	187	350	570	151
Algeria—						
Ore	7,449	6,283	15,823	12,292	9,345	8,514
Pig-lead	13	81	2,136	38	24	12
Scrap	1,251	1,497	1,920	2,415	2,085	1,510
Red and white lead	1	3	3	—	—	7
Belgian Congo—						
Ore	(a)	(a)	(a)	(a)	381	1,225
French Equatorial Africa—						
Ore	5,905	8,744	6,937	5,905	5,905	3,937
Morocco (Southern)—						
Ore	67,615	73,564	73,850	93,725	89,315	96,781
Pig-lead	29,328	25,593	28,485	24,855	26,575	30,600
Scrap	513	452	184	211	452	151
Morocco (Northern)—						
Ore	1,144	596	979	688	1,471	1,335
Tunis—						
Ore	—	6	1,675	2	937	2
Pig-lead, bars and scrap	24,425	24,615	25,400	24,293	25,623	22,828
Greenland—						
Ore	—	—	—	1	3,605	8,327
Guatemala—						
Ore	656	3,725	3,135	6,912	17,293	8,056
Honduras—						
Ore and concentrates ..	614	1,381	2,093	3,190	4,073	5,680
Mexico—						
Ores and concentrates ..	4,096	15,267	2,702	4,060	3,764	4,878
Pig-lead, refined	198,537	202,422	197,864	166,411	143,074	153,329
Base bullion	93	144	300	4,053	3,019	942
Pig-lead, antimonial ..	3,678	2,553	2,357	10,728	7,280	11,827
Sheets, tubes and wire ..	1	2	790	5,835	13,359	5,969
Red and white lead	110	91	720	1,280	5,956	8,600
United States—						
Ore, mattes and base bullion (<i>Pb content</i>) ..	746	927	91	1,191	942	809
Pig-lead, bars etc.	1,573	717	532	360	4,133	3,874
Antimonial lead	219	169	179	362	710	513
Scrap	67	2,416	3,476	2,664	1,907	790
Sheets and pipes	1,150	450	333	498	494	1,098
Red and white lead, etc.	2,093	2,208	2,294	2,447	2,653	3,514
Argentina—						
Ore	—	—	—	—	—	1,411
Pig-lead and bars	—	—	—	—	—	50
Bolivia—						
Ore, etc. (<i>Pb content</i>) ..	29,539	23,412	16,493	16,741	19,641	23,488
Metal	20	677	1,446	2,080	1,572	2,314
Chile—						
Ore	7,969	6,498	1,051	1,015	3,400	4,600

(a) Information not available.

(b) May include some foreign produce.

EXPORTS OF LEAD, ETC. (cont.)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Colombia—						
Ore	—	536	663	886	2,339	7
Ecuador—						
Concentrates	190	162	184	154	212	186
Peru—						
Ore and concentrates (Pb content)	46,326	42,491	48,670	48,120	60,341	55,603
Pig-lead (Pb content)—						
Pure	40,093	59,919	55,183	56,240	58,086	61,678
Impure	1,552	1,322	876	831	321	234
Burma—						
Ore	7,611	3,468	844	1,822	1,867	2,765
Pig-lead	4,020	6,033	9,940	15,565	14,466	13,033
Japan—						
Pig-lead	138	113	437	120	107	35
Sheets and plates	108	22	18	13	61	21
Tubes		37	24	67	36	14
Philippine Republic—						
Ores and concentrates..	1,559	4,083	2,270	292	105	727
Thailand—						
Ore	(a)	6,528	(a)	(a)	7,858	8,518
Turkey—						
Ore	101	1,914	1,378	—	(a)	(a)
Ingots	492	—	197	—	—	—

(a) Information not available.

IMPORTS OF LEAD, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Pig-lead	113,598	161,435	192,301	216,179	167,366	157,780
Scrap (g)	4,376	10,008	7,766	7,684	6,413	4,544
Sheets and pipes	6	3	28	10	75	137
Litharge, red lead, etc.	35	2	62	1	11	—
Ghana—						
Bars, sheets, etc.	115	411	369	288	269	270
Kenya—						
Bars, sheets, pipes, etc.	31	5	8	64	41	34
Mauritius—						
Pig-lead, sheets, pipes, etc.	18	33	45	32	16	66
Nigeria—						
Bars and sheets	39	103	236	200	251	292
Northern Rhodesia—						
Sheets, pipes and foil	16	77	(b)	(b)	(b)	(b)
White lead	5	1	(b)	(b)	(b)	(b)
Sierra Leone—						
Bar and sheets	6	5	4	7	16	15
Southern Rhodesia—						
Pig-lead, bars, sheets and foil	198	147	(c) 235	(c) 89	(c) 16	(c) 236
Red and white lead, etc.	42	30	(c) 31	(c) 41	(c) 46	(c) 24
South West Africa—						
Bars, sheets and pipes	12	15	23	(e)	(e)	(e)
Red and white lead, etc.	1	—	1	(e)	(e)	(e)
Tanganyika—						
Bars, sheets and pipes, etc.	24	3	15	28	21	12
Uganda—						
Bars, sheets, pipes, etc.	2	1	2	30	16	11
Union of South Africa—						
Pig-lead and bars	8,430	10,140	11,232	(f) 10,959	(f) 14,529	(f) 14,151
Sheets and pipes	76	130	75	(f) 170	(f) 174	(f) 73
Foil	2	2	3	(f) 3	(f) 3	(f) 376
Litharge, red and white lead	131	312	120	(f) 95	(f) 119	(f) 171
British West Indies—						
Jamaica—						
Pig-lead, pipes, etc.	52	92	245	173	313	243
Trinidad and Tobago—						
Pig-lead (d)	1	1	7	—	18	4
Red and white lead, etc.	61	139	60	82	98	47
Canada—						
Pig-lead and scrap	433	252	126	135	148	1,419
Bars, sheets and pipes	3	27	27	61	68	38
White lead, red lead and litharge	587	860	1,001	1,129	1,170	1,388
Ceylon—						
Pig-lead, etc.	13	45	—	79	612	135
Sheets, pipes, etc.	9	29	20	22	25	30
Tea-lead	—	6	5	1	8	4
Cyprus—						
Sheets and pipes, etc.	34	36	25	36	44	37

(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.

(g) Including alloys.

IMPORTS OF LEAD, ETC. (cont.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES (cont.)						
Hong Kong (f)—						
Ore and concentrates ..	58	—	—	—	—	—
Crude and refined unwrought (e)	52	147	361	121	114	93
Scrap	98	29	20	6	18	9
Bars, sheets, pipes, etc.	48	36	69	77	58	91
India—						
Ore	56	83	99	224	525	102
Pig-lead, bars, etc. ..	4,092	5,169	10,995	11,803	15,829	13,870
Sheets, pipes and tubes	191	156	38	191	379	286
Tea-lead	—	3	—	—	—	8
Litharge, red and white lead, etc.	89	5	45	249	635	13
Malaya (f)—						
Pig-lead	279	205	105	177	200	254
Bars, sheets, pipes, etc.	97	78	75	190	137	97
Pakistan—						
Ore	(b) 106	(b) 79	(b) 106	(b) 370	270	96
Pig-lead, bars, etc. ..	(b) 416	(b) 5	(b) 60	(b) 53	164	167
Sheets, pipes and tubes	(b) (a)	(b) (a)	(b) (a)	(b) (a)	22	118
Litharge, red and white lead, etc.	(b) 275	(b) 451	(b) 298	(b) 233	219	255
Australia (c)—						
Red and white lead, etc.	483	36	23	(d) 3	61	41
Fiji—						
Pig-lead, sheet, tubes etc.	26	12	6	24	46	66
New Zealand—						
Pig-lead, bars, etc. ..	2,423	4,373	5,539	4,945	4,926	3,542
do. antimonial	124	82	116	151	800	1,055
Sheets and pipes	33	1	5	56	(d) 3	4
Litharge, red and white lead etc.	2,307	1,672	1,862	1,530	1,353	1,171
Irish Republic—						
Pig-lead etc.	168	985	1,212	543	236	219
Wrought (e)	327	166	173	301	279	87
Red and white lead ..	116	235	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Ore	4,473	4,449	4,862	5,177	4,886	5,000
Pig-lead (e)	2,647	5,311	9,668	5,273	4,974	6,041
Scrap	15	46	15	—	—	15
Belgium-Luxemburg						
E.U.—						
Ore	125,128	104,412	86,084	150,928	168,076	157,901
Pig-lead	19,180	22,025	21,506	18,056	19,729	18,194
Antimonial lead	302	150	84	93	32	150
Scrap	1,641	536	416	1,000	1,309	1,307
Sheets, bars, pipes and wire	69	8	20	79	37	31
Red and white lead, etc.	526	891	1,395	1,500	1,810	1,834

(a) Information not available.

(d) Excess of re-exports.

(b) Years ended March 31 following that stated.

(e) Including alloys.

(c) Years ended June 30 of that stated.

(f) Total imports.

IMPORTS OF LEAD, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Pig-lead	11,403	12,244	16,392	12,967	11,012	16,906
do. alloyed	309	312	541	168	794	84
Scrap	3,276	4,962	5,467	5,059	5,256	5,677
Sheets, pipes and wire ^(b)	152	106	83	12	11	29
Red and white lead ..	455	654	751	738	881	710
Finland—						
Pig-lead	7,130	6,467	12,401	7,590	8,967	15,341
Scrap	—	—	14	—	—	—
Sheets, pipes, wire, etc.	616	292	565	527	571	541
Red and white lead, etc.	909	494	1,081	1,131	1,026	514
France—						
Ore	58,209	68,138	84,365	107,031	105,277	98,961
Pig-lead, including argentiferous	49,620	39,392	48,531	47,442	55,429	49,171
Pig-lead, alloyed	1,312	716	696	794	868	1,519
Scrap	2,349	2,425	7,416	13,150	6,950	3,798
Bars, sheets and wire ..	86	3	22	7	4	8
Red and white lead, etc.	2,305	1,770	3,641	1,727	938	584
Germany (Federal)—						
Ore	55,830	56,062	80,613	72,458	83,431	95,918
Pig-lead and alloys ^(b) ..	6,687	20,346	58,418	83,182	53,481	44,348
Bars, sheets, wire, etc. ..	2	16	4	—	—	—
Red and white lead, etc.	19	108	351	702	938	698
Hungary—						
Pig-lead	7,112	6,492	6,726	5,741	7,711	7,258
Iceland—						
Pig-lead	16	49	103	99	94	101
Red and white lead	21	22	31	9	16	13
Italy—						
Ore	—	194	2,096	7,601	1,762	607
Pig-lead and alloys	8,266	9,539	13,320	14,505	11,998	14,709
Scrap	1,886	4,105	11,656	7,608	4,877	3,787
Bars, sheets and wire ^(b)	24	1	3	235	—	18
Red and white lead	29	16	122	252	122	206
Netherlands—						
Ore	2,374	1,594	5,996	31	12	19
Pig-lead	21,252	34,689	43,798	32,203	40,958	44,122
Scrap	531	955	1,339	2,404	4,197	3,952
Bars, sheets and wire	807	583	995	663	1,318	1,222
Red and white lead	2,450	2,658	4,293	4,773	5,680	5,698
Norway—						
Pig-lead	7,403	7,589	9,693	9,529	7,807	9,596
Bars and sheets	909	931	1,145	636	952	625
Tubes, wire, etc.	295	273	275	181	216	177
Red and white lead	313	511	533	584	484	508
Portugal—						
Pig-lead, alloys, etc.	947	1,752	1,967	3,141	2,903	4,796
Red and white lead, etc.	187	171	202	144	122	152
Spain—						
Pig-lead and scrap	790	285	13	11	6	20
Sweden—						
Pig-lead	11,517	13,327	13,415	14,603	12,891	14,518
Scrap	231	531	397	292	181	1,132
Sheets and pipes	2,008	1,490	1,463	1,267	1,292	1,360
Red and white lead	1,410	1,825	2,393	2,314	1,987	1,506
Switzerland—						
Ores, etc.	2	3	—	3	1	2
Pig-lead, scrap, etc.	9,669	11,167	15,425	15,761	14,132	15,604
Sheets, pipes, wire, etc.	378	618	959	624	457	496
Red and white lead	350	356	454	504	604	746

(a) Information not available.

(b) Including alloys.

IMPORTS OF LEAD, ETC. (cont.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
U.S.S.R. (c)—						
Pig-lead	(a)	(a)	(a)	17,300	26,300	27,300
Algeria—						
Ore	37	665	25	37	47	38
Pig-lead	3,188	3,132	4,541	3,529	3,353	2,221
Scrap	—	122	56	12	84	—
Red and white lead, etc.	179	201	181	163	132	128
Angola—						
Bars and sheets	21	4	18	11	14	20
Red and white lead	19	33	26	22	38	54
Belgian Congo—						
Pig-lead and scrap	(a)	1,255	47	1,615	2,059	78
Red and white lead	(a)	167	116	273	108	131
Egypt—						
Pig-lead and scrap	139	208	38	105	(a)	(a)
Sheets, pipes, wire, etc.	341	212	109	85	(a)	(a)
Red and white lead	203	492	390	567	(a)	(a)
Morocco (Southern)—						
Pig-lead, bars, sheets etc.	252	220	231	437	99	99
Red and white lead	92	117	103	162	76	69
Mozambique—						
Bars, sheets and wire	36	16	26	25	23	30
Red and white lead	35	37	29	14	41	15
Tunis—						
Ore	8,620	3,244	924	82	1	1
Pig-lead, bars and scrap	(a)	—	4	3	3	(a)
Red and white lead, etc.	(a)	15	33	33	20	39
Cuba (c)—						
Pig-lead and bars	207	141	100	157	135	(a)
Sheets, pipes and wire	278	167	178	195	261	(a)
Mexico (c)—						
Pig-lead	12	9	15	30	14	17
Sheets and pipes	158	55	14	3	61	20
United States—						
Ore, matte and flue dust (Pb content)	(b) 96,090	(b) 59,848	(b) 175,048	(b) 139,672	170,805	207,318
Bullion and base bullion (Pb content)	2,635	662	37	—	28	23
Pig-lead and bars (Pb content)	455,998	338,499	244,899	235,694	234,111	292,175
Scrap (Pb content)	10,141	3,267	6,644	16,914	18,271	8,315
Sheets, pipes, wire, etc.	10	159	354	1,828	6,836	5,283
Red and white lead, etc.	952	55	559	704	4,984	7,591
Argentina—						
Ore	48	458	—	—	—	—
Pig-lead	2,391	1,998	—	—	—	—
Brazil (c)—						
Pig-lead	9,858	20,748	26,054	12,810	9,703	19,967
Sheets and pipes	134	81	30	—	—	23
Red and white lead	491	68	817	563	315	405
Chile—						
Pig-lead	422	1,183	1,280	2,019	1,027	(a)
Bars and sheets	370	174	31	203	(a)	(a)
Red and white lead	53	107	86	80	(a)	(a)
Colombia—						
Ingots, bars, tubes and alloys	395	428	681	818	1,321	1,276
Red and white lead	69	171	170	278	369	826
Ecuador—						
Pig-lead	19	91	207	92	139	(a)
Red and white lead	13	9	22	11	19	(a)

(a) Information not available.
(b) Revised.

(c) Total imports.

IMPORTS OF LEAD, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Peru—						
Pig-lead, sheets, etc. ..	46	7	20	83	35	27
Red and white lead ..	101	111	202	169	176	225
Uruguay—						
Pig-lead	867	1,753	(a)	(a)	(a)	(a)
Red and white lead, etc.	79	225	(a)	(a)	(a)	(a)
Venezuela (c)—						
Pig-lead	344	481	570	(a)	573	2,148
Red and white lead ..	139	180	249	(a)	678	862
Formosa—						
Pig-lead and bars ..	550	629	2,099	1,434	1,467	1,057
Pipes, sheets, wire ..	2	185	38	13	41	75
Red and white lead, etc.	166	244	302	178	34	122
Indonesia—						
Pig-lead and scrap ..	452	353	414	1,073	838	490
Red and white lead ..	401	650	206	536	554	598
Iran (b)—						
Ingots, sheets and wire	14	3	—	(a)	(a)	(a)
Israel—						
Pig-lead	27	10	529	477	334	327
Sheets	2	20	69	58	22	63
Red and white lead ..	144	476	894	378	94	449
Japan—						
Ore	19	1,912	16,361	27,180	24,944	46,911
Pig-lead	1,192	2,289	14,120	4,019	17,662	39,547
Scrap	469	4,880	4,187	3,668	1,447	1,430
Red and white lead ..	2	4	10	4	1	2
Lebanon—						
Pig-lead	226	224	300	361	135	258
Red and white lead ..	64	55	49	107	(a)	(a)
Philippine Republic—						
Pig-lead, bars and sheets	188	532	483	(a)	703	839
Red and white lead ..	250	371	441	425	1,021	809
Syria—						
Pig-lead	(a)	236	132	194	145	(a)
Red and white lead ..	(a)	31	41	(a)	(a)	(a)
Turkey—						
Pig-lead, bars and sheets	1,696	2,408	2,100	795	1,900	908
Tubes and wire ..	638	223	492	323	441	303
Red and white lead ..	607	573	571	151	308	220

(a) Information not available.

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

(c) Total imports.

LITHIUM MINERALS

PRODUCTION OF LITHIUM MINERALS

(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Southern Rhodesia—						
Amblygonite	80	300	387	161	577	109
Lepidolite	1,101	6,859	24,026	51,530	75,535	83,522
Petalite	100	10,339	23,846	21,616	12,075	8,870
Spodumene	40	40	—	45	3,969	4,999
South West Africa—						
Amblygonite	637	302	1,046	1,262	742	478
Lepidolite	7,066	7,538	3,730	1,636	1,017	787
Petalite	1,048	1,427	1,729	4,712	3,281	4,754
Spodumene	—	1	1	—	—	—
Uganda—						
Amblygonite	—	16	7	—	—	—
Union of South Africa—						
Amblygonite	—	54	51	380	637	27
Canada—						
Lithium minerals (Li ₂ O content)	—	—	8	51	2,138	2,399
Australia—						
Petalite	—	—	15	—	—	—
Spodumene	—	—	—	4	—	—
FOREIGN COUNTRIES						
Portugal—						
Amblygonite	10	16	9	4	—	—
Spain—						
Amblygonite	10	31	132	111	51	6
Belgian Congo—						
Amblygonite	—	—	365	1,332	1,782	2,070
Mozambique—						
Amblygonite	—	—	—	—	34	(a)
Lepidolite	1,083	5,622	—	—	986	(a)
United States (b)—						
Lithium minerals and compounds	13,938	24,321	33,777	(a)	(a)	(a)
Argentina—						
Spodumene	—	—	—	37	138	(a)

(a) Information not available.

(b) Shipments.

EXPORTS OF LITHIUM MINERALS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Southern Rhodesia—						
Lithium minerals	1,866	17,079	25,625	25,627	69,814	34,012
Lithium salts	(a)	(a)	(a)	47	42	(a)
South West Africa—						
Amblygonite	459	400	710	1,310	593	839
Lepidolite	7,225	8,982	3,491	1,330	504	1,341
Petalite	1,255	1,322	740	1,159	3,216	5,765
Uganda—						
Amblygonite	—	16	7	—	—	—
Union of South Africa—						
Lithium minerals	—	33	24	479	496	—
FOREIGN COUNTRIES						
Portugal—						
Lithium minerals	27	29	—	—	—	—
Belgian Congo—						
Amblygonite	—	—	—	808	591	1,129
Spodumene	—	—	32	25	64	1
Mozambique—						
Lepidolite	(a)	4,950	—	3	—	49
Brazil—						
Amblygonite	(a)	(a)	(a)	(a)	(a)	493

(a) Information not available.

IMPORTS OF LITHIUM MINERALS*

(Long tons)

Importing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (b)	400	1,300	2,000	2,000	7,100	4,800
FOREIGN COUNTRIES						
France (b)	1,100	1,320	600	600	3,200	5,400
Germany (Federal)	(a)	1,798	7,183	5,402	2,223	4,290
Netherlands (b)	—	100	2,000	2,600	1,900	3,200
United States (b)	7,900	28,000	22,700	20,900	57,300	26,100

*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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Magnesite—						
Caustic (b)	7,478	7,800	1,122	(a)	(a)	(a)
Dead-burned (b)	58,023	71,700	71,989	(a)	(a)	(a)
Dolomite, crude	1,563,111	1,740,504	1,866,754	1,853,346	2,020,950	2,282,444
Kenya—						
Magnesite, crude	—	—	—	—	—	105
Southern Rhodesia—						
Magnesite, crude	10,779	9,664	6,957	10,366	7,688	2,598
Dolomite	5,344	4,875	3,554	1,884	6,620	1,225
Tanganyika—						
Magnesite, crude	—	—	—	346	298	(e) 254
Union of South Africa—						
Magnesite, crude	24,023	22,526	23,995	17,637	29,897	31,620
Canada—						
Magnesitic dolomite (c)	£791,748	£728,029	£699,327	£782,480	£1,012,066	£1,005,668
Cyprus (e)—						
Magnesite, crude	20	20	—	—	—	—
India—						
Magnesite, crude	89,041	92,748	70,507	57,509	91,711	88,885
Dolomite	54,455	15,080	137,754	90,156	96,457	141,000
Australia—						
Magnesite, crude	42,137	46,397	43,152	57,674	64,685	83,473
Dolomite	96,464	99,642	127,994	111,417	115,564	192,103
New Zealand—						
Magnesite, crude	579	517	720	388	730	602
Dolomite	1,255	1,316	2,025	1,813	2,023	2,784
FOREIGN COUNTRIES						
Austria—						
Magnesite—						
Crude	729,876	799,975	825,900	976,048	1,066,520	1,154,078
Caustic (d)	65,525	72,846	87,697	91,447	88,359	98,364
do. powder (d)	21,895	29,323	25,770	33,494	40,038	38,872
Dead-burned (d)	255,595	276,156	266,490	342,414	384,154	418,263
Bricks (d)	161,243	187,546	163,877	181,203	214,608	236,094
Belgium—						
Dolomite—						
Crude	175,610	201,789	233,027	252,177	286,014	319,981
Calcined	210,900	199,590	204,083	244,914	257,693	246,804
France—						
Dolomite, crude	300,000	310,000	449,014	448,742	463,000	500,000
Greece—						
Magnesite—						
Crude	78,137	105,249	102,152	59,803	61,105	(a)
Calcined (d)	26,339	25,108	37,419	31,328	24,079	(a)
Italy—						
Magnesite, crude	1,009	2,025	2,989	4,042	4,864	7,600
Dolomite, crude	224,330	218,113	271,590	363,363	(a)	(a)
Luxemburg—						
Dolomite, calcined	8,893	5,635	6,274	6,356	8,111	8,299

(a) Information not available.

(b) Magnesia extracted from sea-water.

(c) Including brucite, dead-burned magnesitic dolomite and serpentine.

(d) Derived from crude shown and not additional.

(e) Exports.

PRODUCTION OF MAGNESITE AND DOLOMITE (*cont.*)

(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Norway—						
Magnesite—						
Crude	1,003	1,830	817	780	(c) 780	(c) 780
Calcined (b)	575	405	300	(a)	(a)	(a)
Bricks (b)	146	68	83	(a)	(a)	(a)
Dolomite	101,029	108,248	92,584	106,002	114,385	(a)
Portugal—						
Dolomite	255	591	394	1,181	2,165	1,673
Spain—						
Magnesite	12,426	14,868	28,928	26,762	24,010	37,817
Dolomite, crude	64,700	149,836	189,881	221,856	200,382	78,729
Sweden—						
Dolomite, crude	(a)	(a)	93,773	141,932	89,132	53,600
Yugoslavia—						
Magnesite, crude	37,185	150,108	137,118	115,280	191,304	208,914
United States—						
Magnesite—						
Crude	456,027	(f) 493,881	(f) 253,585	(f) 434,007	613,008	605,794
Caustic (sales) (b)	33,978	38,411	28,798	(f) 34,599	31,704	54,299
Dead-burned (sales) (b)	345,422	356,368	257,384	373,894	384,481	417,610
Dolomite, crude (d)	4,533,000	5,171,000	3,478,357	1,900,800	4,943,000	4,758,000
Argentina—						
Dolomite	(a)	(a)	(a)	25,000	27,000	(a)
Brazil—						
Dolomite	(e) 56,579	(e) 53,031	33,121	87,026	60,993	(a)
Chile—						
Dolomite	22,628	(a)	(a)	(a)	(a)	(a)
Uruguay—						
Dolomite limestone	(a)	15,886	14,618	11,295	15,372	(a)
Formosa—						
Dolomite	(a)	2,632	3,232	3,171	4,472	(c) 6,500
Japan—						
Dolomite	656,566	711,720	716,804	807,198	1,041,210	(c) 1,140,000
Turkey—						
Magnesite	878	344	1,048	—	837	891

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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (b) ..	4,620	5,313	4,978	5,373	3,627	3,411
Canada	(c) 5,000	(c) 6,000	(c) 6,000	(c) 7,000	8,577	7,176
FOREIGN COUNTRIES						
France	1,041	980	1,132	1,491	1,496	1,565
Italy	964	1,425	1,640	2,823	3,658	(c) 4,000
Norway	302	3,440	4,628	6,637	7,308	(c) 7,000
Switzerland (c)	300	300	—	—	—	—
U.S.S.R. (d)	40,000	44,000	50,000	50,000	58,000	59,000
United States	94,483	83,103	62,258	54,585	61,023	72,556
Japan	—	—	21	132	77	(a)
WORLD'S TOTAL ..	147,000	145,000	130,000	128,000	144,000	155,000

(a) Information not available.

(c) Estimated.

(b) Including re-melt alloys.

(d) *Metallgesellschaft* estimate.

EXPORTS OF MAGNESITE, ETC.*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Magnesium and alloys	703	276	247	954	1,405	4,284
Magnesium compounds	12,111	14,875	16,060	17,971	13,796	17,603
Southern Rhodesia—						
Crude and calcined ..	13,089	8,241	6,749	10,454	7,212	2,255
Tanganyika—						
Magnesite	—	57	78	285	243	254
Union of South Africa—						
Crude and calcined ..	—	—	—	—	—	62
Canada—						
Magnesium	(a)	(a)	(a)	(£1,777,447)	(£1,874,003)	(£1,692,377)
Basic refractory materials	2,643	4,108	7,042	2,906	13,238	(a)
Cyprus—						
Crude	20	20	—	—	—	—
India—						
Magnesite	41,279	42,533	25,363	24,637	34,546	21,443
Chloride	1,650	1,557	318	644	164	16
Australia (b)—						
Crude and calcined ..	113	30	166	55	110	73
Sulphate	325	74	16	54	7	10
FOREIGN COUNTRIES						
Austria—						
Crude	984	118	1,075	596	368	549
Caustic	59,399	70,872	75,180	75,404	79,221	82,196
Dead-burned	80,316	71,334	77,606	149,650	148,471	150,413
Bricks	134,992	155,788	129,274	156,054	179,013	201,299
Dolomite	3,591	1,265	1,437	2,505	24,386	19,252
Belgium-Luxemburg						
E.U.—						
Crude	39	21	7	36	1,079	659
Calcined	20	11	1	43	5	141
Carbonate	—	—	1	17	2	1
Chloride	36	—	4	12	35	4
Sulphate	38	11	25	574	59	156
Dolomite, crude ..	13,549	8,185	6,723	12,315	15,783	62,493
do. ground	456	25	904	570	1,434	10,126
do. calcined	126,181	112,853	109,732	134,748	152,698	143,990
France—						
Crude and calcined ..	210	78	77	87	109	259
Magnesium metal (c) ..	167	219	160	117	60	44
Carbonate	184	294	527	536	258	493
Chloride	3,651	2,848	3,268	2,050	1,202	875
Oxide and hydroxide ..	29	12	32	59	246	240
Sulphate	819	1,432	1,412	179	267	308
Dolomite, crude	3,873	3,934	6,511	12,862	19,442	11,697
do. calcined	530	542	2,137	2,528	3,352	3,606
Germany (Federal)—						
Crude and calcined ..	357	860	895	639	3,426	4,595
Carbonate	335	412	723	693	449	509
Chloride	10,801	11,897	13,290	13,008	15,596	15,255
Oxide and hydroxide ..	114	157	375	340	370	332
Sulphate	19,122	27,973	35,431	35,813	43,884	44,373
Dolomite	96,962	85,278	81,689	87,303	103,640	119,079
Kieserite	(a)	45,945	46,002	51,762	58,788	64,025
Germany (East)—						
Sulphate	7,096	12,245	20,269	19,578	19,275	21,574

*Magnesite unless otherwise stated.

(b) Years ended June 30 of that stated.

(a) Information not available.

(c) Including alloys and scrap.

EXPORTS OF MAGNESITE, ETC. (cont.)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Greece—						
Crude	16,616	14,713	12,643	10,763	19,879	16,450
Calcined	22,593	15,378	35,889	36,430	36,040	29,517
Italy—						
Crude	1	358	501	50	46	28
Caustic	63	21	1	131	41	13
Magnesium metal including alloyed	1,677	851	1,575	2,408	3,033	2,924
Carbonate	70	124	35	123	43	53
Chloride	—	32	2	406	13	58
Oxide	60	121	209	232	210	184
Dolomite, calcined	2,656	4,104	4,026	4,743	3,096	3,197
Netherlands—						
Calcined	15,917	14,651	15,191	16,248	15,263	13,879
Sulphate	828	731	660	951	1,018	978
Norway—						
Crude	20	—	—	10	30	—
Bricks	119	53	36	55	24	20
Sweden—						
Crude and calcined	—	—	—	98	148	224
U.S.S.R.—						
Magnesium metal	(a)	(a)	(a)	1,700	2,800	2,400
Yugoslavia—						
Crude	814	3,966	2,764	2,175	—	46
Ground and dead-burned	13,560	28,352	36,776	40,066	55,154	57,118
Bricks	(a)	20	59	344	1,886	4,695
Mexico—						
Crude and calcined	55	56	2	—	44	—
United States—						
Dead-burned	(a)	(a)	(a)	8,278	7,735	24,250
Magnesium metal (b)	952	2,431	2,764	7,348	3,025	1,079
Brazil	4,570	4,511	472	763	1,949	1,968
Peru—						
Sulphate	231	378	923	661	682	300
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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Crude and calcined	21,601	22,705	20,619	44,590	58,041	68,900
Magnesium	(a)	(a)	(a)	6,621	3,167	3,322
Chloride	6,070	7,498	10,327	13,218	11,102	8,847
Other salts	2,691	(a)	(a)	(a)	(a)	(a)
Union of South Africa—						
Carbonate	13,132	8,278	6,839	9,369	6,939	3,495
Chloride	277	157	134	199	104	217
Sulphate	616	671	1,320	1,473	1,313	1,489
Canada—						
Magnesium alloys	(£50,089)	(£52,077)	(£36,610)	(£67,649)	(£133,395)	(£103,262)
Calcined and dead-burned	9,177	6,072	5,118	12,444	21,482	10,456
Carbonate and oxide	3,407	5,629	5,382	4,908	5,693	2,190
Sulphate	1,952	2,466	2,112	2,121	2,334	2,284
Bricks	(£240,674)	(£344,715)	(£145,631)	(£201,480)	(£247,401)	(£160,794)
Other salts	1,200	2,995	5,444	4,712	6,478	3,881
Hong Kong—						
Magnesite	15	5	—	—	—	—
India—						
Chloride	—	1	—	30	3	1
Sulphate	—	1	6	—	1	1
Other salts	601	626	390	863	1,500	1,565
Pakistan—						
Chloride	(c) 43	(c) 158	(c) 139	(c) 124	127	74
Sulphate	(c) 399	(c) 439	(c) 354	(c) 131	1,047	234
Other salts	(c) 21	(c) 46	(c) 32	(c) 187	113	291
Australia (b)—						
Crude and calcined	885	54	1,180	3,075	5,128	2,535
Magnesium metal and powder	(d) 1	(d) —	27	53	20	26
Oxide	92	48	38	66	128	116
Carbonate	309	19	234	175	233	138
Chloride	305	258	360	488	515	496
Sulphate	658	109	530	706	735	358
New Zealand—						
Magnesite	48	61	39	64	55	48
Sulphate	350	334	513	609	622	849
Other salts	112	137	217	271	221	606
Irish Republic—						
Magnesium salts	456	695	463	444	401	383
FOREIGN COUNTRIES						
Austria—						
Crude	(a)	—	499	767	11,639	5,923
Chloride	1,380	2,155	2,731	3,020	2,826	2,830
Dolomite	222	314	951	1,184	1,596	1,776
Kieserite	5,023	5,505	6,488	7,954	7,239	8,691
Belgium-Luxemburg						
E.U.—						
Crude	342	165	599	647	1,087	981
Calcined	4,058	2,428	1,711	2,119	2,978	2,297
Bricks	12,621	14,455	9,897	13,625	18,718	14,214
Magnesium metal	110	105	135	263	296	329

*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.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
E.U. (cont.)—						
Carbonate	354	423	437	454	526	508
Chloride	575	613	693	711	770	917
Oxide	641	343	316	384	402	331
Sulphate	1,772	2,643	2,948	1,969	2,425	2,434
Dolomite, crude ..	887	804	520	2,342	8,735	5,274
do. ground ..	207	492	205	209	54	30
do. calcined ..	7,228	4,951	4,694	4,474	6,146	6,922
Denmark—						
Crude	1,546	970	1,147	1,687	1,499	1,571
Chloride	993	743	702	687	647	439
Oxide	81	168	77	95	141	104
Sulphate	498	954	977	794	1,213	1,338
Dolomite	6,493	6,052	7,580	9,447	10,896	11,204
Finland—						
Crude and calcined ..	928	1,126	1,060	1,141	1,243	899
Bricks	1,488	3,264	3,062	2,517	2,291	2,607
Oxide	18	20	38	37	40	20
Carbonate	67	102	243	216	128	105
Chloride	648	1,063	687	995	721	963
Sulphate	39	227	128	117	110	1,883
France—						
Crude	3,990	3,651	3,750	5,127	3,571	2,918
Calcined	17,525	19,560	14,954	16,252	17,799	17,611
Magnesium metal (b)	138	26	160	244	349	1,212
Carbonate	252	115	171	162	171	166
Chloride	94	141	150	374	299	256
Oxide and hydroxide ..	93	93	79	149	122	113
Sulphate	1,165	1,464	1,649	1,686	1,635	1,586
Dolomite, crude ..	5,790	7,416	6,435	10,552	15,037	17,423
do. calcined ..	181,231	156,183	146,525	174,931	182,662	176,013
Germany (Federal)—						
Crude	130,994	166,421	3,695	1,472	1,668	1,283
Calcined			148,776	168,870	169,612	170,358
Magnesium metal, crude and scrap ..	2,385	5,141	6,828	15,742	14,004	11,936
Carbonate	—	18	33	83	171	171
Chloride	82	3	41	15	8	8
Oxide and hydroxide ..	2	3	19	41	131	195
Dolomite	1,782	3,879	16,202	25,363	25,494	23,024
Hungary—						
Dead-burned	39,101	39,433	44,923	38,871	37,462	35,311
Italy—						
Crude	3,596	3,994	4,879	4,115	4,602	4,449
Caustic	13,606	13,679	8,961	10,457	18,504	13,315
Chloride	1,376	1,735	1,998	2,684	3,033	2,690
Sulphate	3,190	3,932	4,831	4,273	4,616	4,499
Netherlands—						
Crude	219	901	1,280	927	1,201	543
Calcined	19,044	15,766	19,132	17,100	18,082	15,525
Bricks	(a)	7,885	9,258	11,007	13,177	14,426
Magnesium metal ..	98	132	108	128	125	134
Carbonate	130	272	339	269	391	506
Sulphate	3,518	5,766	6,207	4,727	4,708	5,173
Chloride	2,692	2,880	3,386	3,476	2,717	2,046
Dolomite, crude ..	3,797	4,215	7,711	4,070	17,830	83,590
do. calcined ..	21,763	25,034	28,981	26,817	31,468	40,440
do. ground ..	2,605	3,958	2,255	3,022	5,024	2,256
Kieserite	7,299	10,575	10,566	10,251	12,082	11,204

(a) Information not available.

(b) Including alloys and scrap.

IMPORTS OF MAGNESITE, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Norway—						
Calcined	649	618	493	558	545	(a)
Chloride	1,326	463	1,779	495	710	349
Dolomite	90	227	215	856	1,192	1,929
Portugal—						
Crude and calcined	184	146	228	257	336	378
Carbonate	39	71	101	96	111	96
Chloride	69	50	70	81	76	84
Oxide	334	421	543	313	8	509
Sulphate	769	990	1,231	855	1,208	1,575
Sweden—						
Crude and calcined	2,172	1,234	1,400	1,459	1,650	1,473
Bricks	12,140	14,507	12,159	15,031	13,191	13,784
Magnesium metal	323	222	165	256	260	283
Carbonate	136	170	226	196	140	172
Chloride	982	1,130	1,040	1,102	1,222	924
Sulphate	672	862	1,004	1,124	1,175	1,284
U.S.S.R.—						
Crude	(a)	(a)	(a)	39,500	39,600	29,600
Yugoslavia—						
Calcined and ground	6,276	605	28	—	—	—
Bricks	4,793	6,399	3,685	1,411	158	65
Magnesium metal	77	58	99	89	120	141
Algeria—						
Calcined	24	8	7	6	8	—
Dolomite	784	916	907	2,113	2,397	2,187
Belgian Congo—						
Oxide	892	1,921	1,116	688	658	615
Sulphate	449	522	331	578	553	438
Chloride	1	1	4	1	3	10
Egypt—						
Magnesite and dolomite	2,060	2,815	3,071	3,676	(a)	(a)
Sulphate	120	343	186	682	(a)	(a)
Morocco (Southern)—						
Chloride	(a)	(a)	(a)	151	150	202
Sulphate	76	98	143	53	26	178
Cuba (b)—						
Oxide	5	120	119	129	59	(a)
Carbonate	66	344	118	78	200	(a)
Sulphate	310	295	307	387	509	(a)
Mexico (b)—						
Crude	(a)	(a)	318	133	611	381
Magnesium metal	373	346	379	350	354	468
Oxide	62	22	296	511	327	678
Sulphate	43	27	102	81	64	91
United States—						
Calcined	1,803	2,422	2,177	3,169	6,911	5,030
Dead-burned	21,847	35,087	60,904	91,689	84,718	67,000
Bricks	5,236	5,622	6,473	7,555	10,803	9,851
Magnesium metal, etc.	225	2,181	654	1,646	562	877
Oxide	6	—	1	101	176	368
Carbonate, precipitated	163	226	178	252	235	274
Chloride	1	284	227	197	312	385
Sulphate (incl. Kieserite)	16,867	26,918	31,880	37,803	43,548	43,188
Argentina—						
Carbonate	479	135	305	950	341	436
Chloride	60	30	68	177	63	174
Oxide	10	1	1	20	24	3

(a) Information not available.

(b) Total imports.

IMPORTS OF MAGNESITE, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Brazil (b)—						
Crude	(a)	1,068	6	1,273	3	—
Carbonate	331	138	575	114	310	430
Chloride	(a)	30	44	57	78	56
Oxide	32	15	117	92	68	98
Sulphate	1,032	59	677	386	845	1,022
Chile—						
Crude	887	17	49	53	(a)	(a)
Calcined	2,772	1,480	3,003	1,108	(a)	(a)
Sulphate	149	329	62	573	(a)	(a)
Dolomite, crude	10,927	17,349	10,028	13,478	(a)	(a)
do. calcined	—	1,086	4,238	3,363	(a)	(a)
Colombia—						
Crude and calcined	6	33	1,294	2,566	4,149	2,112
Carbonate	8	12	18	7	11	8
Chloride	5	2	29	10	11	23
Oxide	46	125	70	75	85	110
Sulphate	145	176	319	413	452	617
Peru—						
Crude and calcined	602	1,115	1,941	1,197	26	9
Carbonate	7	11	26	7	12	31
Oxide	3	2	4	2	5	3
Hydroxide	18	34	39	42	50	53
Sulphate	28	16	313	44	66	35
Chloride	2	2	3	—	3	3
Venezuela (b)—						
Crude	(a)	38	12	(a)	149	776
Sulphate	104	131	112	(a)	103	154
Japan—						
Crude and calcined	41,367	77,960	40,412	52,638	94,876	121,766
Magnesium metal	80	426	1,024	1,722	4,526	3,281
Syria—						
Ground and calcined	(a)	25	29	(a)	(a)	(a)
Sulphate	(a)	64	239	(a)	142	(a)
Turkey—						
Carbonate, chloride, etc.	196	252	203	59	16	33
Oxide	16	12	12	11	4	12
Sulphate	219	656	218	558	187	43

(a) Information not available.

(b) Total imports.

MANGANESE
PRODUCTION OF MANGANESE ORE
(Long tons)

Producing Country	Estimated Manganese Content						
	1952	1953	1954	1955	1956	1957	1957
BRITISH COUNTRIES							
Bechuanaland	—	—	—	—	—	—	(a)
Ghana (c)	794,192	745,990	460,245	539,580	635,851	641,343	308,000
Northern Rhodesia .. .	3,926	7,129	15,680	17,604	36,393	36,869	17,700
Southern Rhodesia .. .	1,411	—	16	1,187	729	1,594	(a)
South West Africa .. .	26,088	36,299	30,416	37,393	51,127	80,054	24,500
Union of South Africa ..	860,828	814,588	690,059	579,888	686,071	703,467	281,000
India	1,462,264	1,902,238	1,413,847	1,583,538	1,687,609	1,602,000	827,000
Australia	7,069	32,943	28,202	47,356	59,384	77,145	785,000
New Zealand	319	289	239	159	156	36	35,400
Papua	(a)	42	—	20	13	—	(a)
Fiji	(c) 2,010	(c) 2,186	9,619	17,681	22,381	34,694	(a)
TOTAL	3,158,000	3,542,000	2,650,000	2,824,000	3,180,000	3,177,000	(a)
FOREIGN COUNTRIES							
Bulgaria	13,000	21,000	32,000	62,000	75,600	80,000	(a)
France	—	—	1,000	1,280	1,230	—	(a)
Greece	19,336	13,908	16,694	24,239	7,763	(a)	369
Italy	40,610	39,426	49,019	55,968	40,979	46,260	3,100
Portugal	10,904	12,426	9,489	3,918	3,132	5,389	10,600
Roumania	(a)	178,000	270,000	383,763	231,298	261,000	1,300
Spain	28,043	32,182	35,277	44,319	32,232	36,199	(a)
Sweden	18,579	11,484	8,044	15,140	28,788	12,960	13,200
U.S.S.R.	4,333,000	4,568,000	4,517,000	4,668,000	4,860,000	5,067,000	2,376
Yugoslavia	12,487	9,859	9,061	10,782	11,390	10,072	3,846
Angola	54,224	64,824	31,129	31,119	22,130	49,289	(a)
Belgian Congo	125,957	213,242	378,857	454,440	324,330	361,225	17,000
Egypt (b)	187,991	279,597	174,727	212,320	197,000	(a)	155,700
							64,000
							59,000

(a) Information not available.

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

(c) Exports.

PRODUCTION OF MANGANESE ORE (cont.)
(Long tons)

Producing Country	Estimated Manganese Content											
	1952	1953	1954	1955	1956	1957	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES												
Morocco (Southern)	419,583	422,664	394,116	404,818	419,674	484,379	205,680	192,700	184,000	186,000	193,000	157,000
Morocco (Northern)	3,577	1,054	765	1,126	1,602	6,709	1,600	470	480	510	720	(a)
Sudan (d)	—	—	—	—	5,959	139,350	—	—	—	—	(a)	(a)
Cuba (b)	247,702	347,638	262,038	169,016	(e) 250,000	6,709	(a)	(a)	(a)	(a)	(a)	(a)
Mexico	140,538	240,949	(e) 270,000	(e) 114,000	(e) 200,000	(e) 260,000	44,341	73,870	82,040	35,241	60,950	78,410
United States (c)	103,017	140,657	184,043	256,478	307,799	327,084	55,771	73,871	87,810	123,700	147,000	151,874
Argentina	2,300	5,000	1,200	9,852	7,951	(a)	1,000	2,200	500	4,000	3,100	(a)
Brazil	245,297	227,731	159,962	209,151	305,875	903,518	110,000	102,000	83,000	94,000	138,000	407,000
Chile	52,997	53,793	37,122	42,674	47,250	(a)	23,988	24,007	17,150	19,971	21,329	(a)
Peru (e)	1,400	1,000	4,000	5,000	6,500	(a)	689	470	1,762	2,145	2,869	(a)
Venezuela	(a)	(a)	(a)	(a)	9,200	29,410	(a)	(a)	(a)	(a)	(a)	(a)
Burma	6,500	8,580	3,714	300	1,150	452	3,200	4,800	2,000	140	520	170
Indonesia	9,835	32,794	19,918	34,652	80,863	52,908	(a)	(a)	(a)	(a)	(a)	(a)
Iran (f)	11,163	11,318	13,989	9,503	(a)	(d) 111,424	(a)	(a)	(a)	(a)	(a)	4,000
Japan	204,101	191,327	160,853	198,527	280,514	275,373	80,000	73,000	62,000	74,000	103,000	102,000
Korea (South)	7,299	3,010	1,527	3,427	1,927	3,154	2,900	1,200	600	1,400	800	1,300
Philippine Republic	20,301	21,168	9,245	11,724	4,344	29,754	8,900	9,300	4,000	5,100	1,900	13,100
Portuguese India	109,312	148,417	104,246	133,502	192,710	230,273	52,000	71,000	50,000	53,000	72,000	90,000
Thailand	—	—	—	—	401	340	—	—	—	—	210	180
Turkey	105,158	72,782	49,026	49,311	59,792	54,524	51,500	35,800	24,000	24,000	29,000	27,000
New Caledonia	16,377	5,503	—	—	—	—	8,400	2,641	—	—	—	—
TOTAL (g)	6,700,000	7,450,000	7,280,000	7,700,000	8,100,000	9,100,000	8,400	2,641	—	—	—	—
WORLD'S TOTAL (g)	9,900,000	10,990,000	9,900,000	10,520,000	11,500,000	12,300,000	—	—	—	—	—	—

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): 1952—94,917; 1953—243,516; 1954—55,082; 1955—144,595; 1956—125,778; 1957—221,338.

(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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Metal	201	283	409	814	447	166
Ferro-manganese and spiegeleisen	1,785	950	8,903	1,195	966	655
Ghana—						
Ore	794,192	745,990	447,770	539,580	635,851	641,343
Northern Rhodesia—						
Ore	—	2,221	(e) 2,650	(e) 17,360	(e) 20,975	(e) 28,184
South West Africa—						
Ore	24,269	30,165	27,608	} 420,458	457,916	497,221
Union of South Africa—						
Ore	574,321	632,305	397,297			
Canada—						
Spiegeleisen	—	508	—	—	210	637
Ferro-manganese	27,937	610	3,249	26,254	53,076	41,726
Hong Kong (re-exports)—						
Ore	239	—	—	—	—	228
Manganese dioxide ..	(a)	101	73	51	217	481
India—						
Ore	<i>b</i> 1,462,224	<i>d</i> 1,761,420	<i>d</i> 1,092,265	1,232,456	1,456,702	1,633,679
Ferruginous manganese ore	20,200	65,099	23,881	53,096	52,458	81,333
Australia (<i>c</i>)—						
Ore	—	110	18,337	—	4	5,620
Fiji—						
Ore	2,010	2,186	5,707	9,258	19,318	27,415
Papua (<i>c</i>)—						
Ore	68	42	97	60	28	18
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Ferro-manganese ..	111	10	3,230	7,044	4,477	14,088
Spiegeleisen	(a)	(a)	4,677	4,678	3,769	4,299
France—						
Ore including mangani- ferous iron ore ..	1,517	1,972	2,142	2,389	2,591	1,420
Ferro-manganese ..	18,287	42,460	54,891	96,742	116,822	122,795
Spiegeleisen	10,770	1,209	1,212	5,500	4,724	425
Germany (Federal)—						
Ore	80	554	1,573	6,594	853	2,417
Greece—						
Ore	18,538	16,732	15,840	18,509	12,667	17,169
Italy—						
Ore, including mangani- ferous iron ore ..	78	—	39	1	1	1
Ferro-manganese ..	694	1,147	1,003	550	736	211
Netherlands—						
Ore, including mangani- ferous iron ore ..	4,888	4,401	3,772	2,173	1,913	2,872
Norway—						
Ferro-manganese ..	83,488	64,361	48,669	64,478	74,264	77,719
Ferro-silico-manganese	17,797	11,580	22,354	30,437	45,811	45,126
Portugal—						
Ore	4,073	13,947	3,445	5,767	3,819	4,973
Spain—						
Ore	5,708	—	—	—	—	—

(a) Information not available.

(b) Including 53,062 tons of manganese ore mined in India but exported via the Portuguese port of Mormugao.

(c) Years ended June 30 of that stated.

(e) Federation of Rhodesia and Nyasaland.

(d) Sea-borne trade only.

EXPORTS OF MANGANESE ORE, ETC. (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
(cont.)						
Sweden—						
Ore	497	403	545	1,614	2,604	518
Ferro-manganese	365	364	824	1,059	740	1,229
Spiegeleisen	92	—	—	—	—	—
Ferro-silico-manganese	82	3	319	35	1	—
U.S.S.R.—						
Ore	(a)	(a)	(a)	838,000	903,000	793,200
do. (dioxide)	(a)	(a)	(a)	14,900	13,800	12,700
Yugoslavia—						
Ferro-manganese	2,322	1,335	2,215	4,019	2,877	3,845
Silico-manganese	329	1,132	123	797	493	787
Angola—						
Ore	50,816	61,672	18,400	40,033	35,270	23,115
Belgian Congo—						
Ore	123,117	180,806	246,067	270,112	336,369	340,877
Egypt—						
Ore	165,245	209,428	(a)	211,278	262,766	(a)
Morocco (Southern)—						
Ore	360,279	397,951	323,778	379,380	330,707	426,262
Morocco (Northern)—						
Ore	3,332	1,237	393	480	1,296	654
Sudan—						
Ore	—	—	—	—	5,959	6,236
Cuba—						
Ore	231,222	366,532	231,003	254,360	240,010	143,720
Mexico—						
Ore	149,716	282,977	227,645	70,102	155,044	213,974
Mn content	44,322	74,523	81,859	35,241	60,950	78,409
United States—						
Ore	8,704	6,155	5,457	5,606	5,476	4,705
Ferro-manganese	(b) 1,327	993	1,546	1,597	2,007	6,603
Brazil—						
Ore	158,852	163,477	92,889	173,756	256,233	785,462
Chile—						
Ore	33,691	43,864	23,424	8,464	17,000	34,100
Ferro-manganese	1,975	2,210	6,014	7,903	2,997	5,711
Manganese dioxide	1,328	984	—	398	(a)	(a)
Peru—						
Ore	3,784	4,640	3,596	5,759	8,706	9,628
Venezuela—						
Ore	(a)	(a)	(a)	(a)	(a)	22,040
Indonesia—						
Ore	17,074	30,608	11,256	39,924	81,785	50,419
Japan—						
Ore	1,673	244	248	317	242	146
Ferro-manganese	7,972	23,573	14,230	41,532	53,131	35,490
Philippine Republic—						
Ore	23,595	28,658	11,156	13,396	14,451	33,501
Portuguese India—						
Ore	137,463	207,361	101,795	149,172	160,947	183,574
Turkey—						
Ore	79,208	65,722	39,602	31,269	55,267	24,561
New Caledonia—						
Ore	17,041	7,548	—	428	—	810
Burma—						
Ore	(a)	(a)	3,898	954	757	343

(a) Information not available.

(b) Including spiegeleisen.

IMPORTS OF MANGANESE ORE, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ore	430,576	493,691	500,380	404,708	441,804	476,337
Metal	59	8	15	71	249	481
Ferro-manganese and spiegeleisen	718	762	3,386	16,550	41,674	83,254
Silico-manganese	12,322	10,821	6,898	10,308	13,977	13,845
Union of South Africa—						
Ferro-manganese	56	90	9	—	—	—
Manganese dioxide	971	382	663	982	1,262	1,455
Canada—						
Ore	173,576	59,538	43,716	156,501	185,694	117,249
Ferro-manganese	1,454	932	7,613	3,522	1,956	664
Silico-manganese	136	16	17	243	1,009	2,015
Hong Kong (b)—						
Ore	24	—	8	110	135	249
Manganese dioxide	(a)	1,967	1,083	1,528	1,747	2,111
India—						
Ferro-manganese	(a)	580	6,197	481	291	275
Malaya (b)—						
Ore	1	778	1,655	1,825	1,128	2,731
Australia (c)—						
Ore	2,245	106	2,273	2,172	2,060	1,046
Ferro-manganese	54	110	684	2,206	10,357	2,781
FOREIGN COUNTRIES						
Austria—						
Ore	19,725	4,301	10,000	33,623	19,609	69,431
Ferro-manganese	6,862	2,709	4,308	5,951	7,219	7,518
Belgium-Luxemburg E.U.—						
Ore (d)	124,575	111,155	99,287	110,260	121,088	134,689
Ferro-manganese	81,421	49,651	42,910	62,357	71,532	80,984
Ferro-silico-manganese	(a)	1,165	2,973	1,640	3,002	2,553
Spiegeleisen	(a)	(a)	8,478	8,994	19,451	16,642
Denmark—						
Ore	1,978	2,543	2,499	3,044	7,796	6,085
Ferro-manganese, etc.	1,278	2,406	3,535	2,716	2,412	2,460
Finland—						
Ferro-manganese and spiegeleisen	1,186	1,165	1,620	1,754	2,556	2,925
France—						
Ore (d)	397,596	435,005	399,630	669,552	646,484	805,409
Ferro-manganese	479	563	2,686	6,012	887	40
Spiegeleisen	2,736	3,140	15,955	16,589	16,561	26,816
Germany (Federal)—						
Ore	177,512	415,656	177,723	320,375	416,872	486,093
Italy—						
Ore (d)	97,807	37,070	91,326	82,271	121,698	130,981
Spiegeleisen	4,064	2,162	1,129	2,506	2,145	168
Ferro-manganese	19	162	789	3,857	8,211	9,169
Ferro-silico-manganese	19	—	118	538	1,129	2,840
Netherlands—						
Ore (d)	32,904	47,783	47,202	24,789	34,748	37,977
Ferro-manganese	(a)	(a)	5,401	7,376	7,100	10,278
Norway—						
Ore	249,313	215,614	99,129	152,714	214,300	282,338

(a) Information not available.

(b) Total imports.

(c) Years ended June 30 of that stated.

(d) Including manganiferous iron ore.

IMPORTS OF MANGANESE ORE, ETC. (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
Spain—						
Ore	9,399	1,896	11,722	28,810	91	3,036
Ferro-manganese ..	4,403	5,460	3,339	1,729	163	342
Sweden—						
Ore (chemical grade) ..	584	418	675	781	684	699
do. (metallurgical grade)	49,837	30,316	31,997	30,879	37,570	38,693
Ferro-manganese ..	1,445	1,850	2,897	3,032	6,952	7,016
Spiegeleisen ..	57	15	30	76	221	88
Ferro-silico-manganese	193	161	99	150	227	1,580
Yugoslavia—						
Ore	6,683	3,967	11,183	8,765	16,645	23,340
Algeria—						
Ore	26	61	31	72	20	5
Mexico (<i>c</i>)—						
Ferro-manganese ..	894	123	130	145	159	160
United States—						
Ore (<i>b</i>)	2,106,491	2,958,014	2,099,730	2,174,383	2,127,145	2,331,825
<i>Mn content</i>	930,646	1,286,139	939,625	966,476	929,272	1,073,528
Ferro-manganese ..	57,227	112,963	50,689	58,144	143,038	301,856
<i>Mn content</i>	45,562	87,680	39,950	46,639	110,672	230,197
Argentina—						
Ferro-manganese ..	1,480	2,169	4,176	698	1,908	—
Brazil (<i>c</i>)—						
Ferro-manganese ..	—	59	166	49	—	73
Chile—						
Ferro-manganese ..	243	59	5	22	(<i>a</i>)	(<i>a</i>)
Silico-manganese ..	13	19	8	5	(<i>a</i>)	(<i>a</i>)
Japan—						
Ore	69,065	108,957	111,965	172,854	203,311	223,986

(*a*) Information not available.

(*b*) Including the following quantities of ore containing 10 to 35% Mn (*Mn content* in brackets):
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); 1957—5,236 (1,623).

(*c*) Total imports.

MERCURY
PRODUCTION OF MERCURY
(Lb.)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
Austria (c)	1,698	1,742	2,138	1,265	441	485
Italy	4,246,000	3,904,000	4,140,000	4,068,000	4,707,000	4,806,000
Spain	2,974,306	3,308,664	3,277,696	2,753,733	3,668,107	(b) 3,800,000
Yugoslavia	1,111,000	1,085,000	1,098,000	1,109,000	1,005,000	937,000
Tunis	—	—	—	12,566	7,716	—
Mexico	663,662	884,184	1,121,350	2,270,999	1,484,000	1,601,000
United States	953,572	1,089,612	1,409,268	1,440,580	1,837,452	2,536,880
Chile	13,159	7,573	18,501	40,007	43,735	(a)
Colombia	—	—	—	2,700	—	—
Peru	—	—	5,884	11,228	25,477	(b) 30,000
China	(d) 304,000	(d) 380,000	(a)	(a)	(a)	(a)
Formosa	(a)	(a)	3,300	—	—	—
Japan	234,320	486,825	780,039	379,274	633,375	901,664
Philippine Republic	—	—	—	48,260	229,140	255,588
Turkey	—	—	19,800	63,900	42,712	44,495
WORLD'S TOTAL (b)	11,400,000	12,000,000	13,200,000	13,600,000	15,100,000	16,400,000

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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Mercury	19,651	20,620	63,479	68,138	66,947	(a)
Canada—						
Mercury	1,500	7,018	6,310	3,781	5,953	1,425
Hong Kong (re-exports)—						
Mercury	—	988	3,497	—	3,573	3,256
Malaya (re-exports)—						
Mercury	93	329	622	1,996	130	953
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Mercury	2,205	24,251	3,086	4,409	1,543	1,764
Mercury salts	33,059	11,023	8,378	3,307	20,724	16,755
France—						
Mercury	13,889	6,173	15,873	14,110	3,748	6,173
Mercury salts	5,732	11,684	28,881	22,487	22,083	14,330
Germany (Federal)—						
Mercury	1,984	11,244	10,362	7,937	42,108	40,565
Italy—						
Mercury	2,546,559	4,192,766	4,705,934	2,123,089	5,700,339	2,187,878
Mercury salts	28,880	97,890	72,854	49,675	24,079	9,039
Portugal—						
Mercury	31,559	7,399	112	148	—	165
Spain—						
Mercury	3,363,240	3,318,693	3,308,697	2,450,667	3,095,909	3,533,824
Mercury salts	13,746	35,298	14,425	11,230	16,592	46,775
Sweden—						
Mercury	450	—	—	8,818	6,614	2,205
Switzerland—						
Mercury	448	35,230	300	111,918	721	930
U.S.S.R.—						
Mercury	(a)	(a)	(a)	421,000	708,000	642,000
Yugoslavia—						
Mercury	1,061,162	974,037	899,925	1,003,965	653,663	521,078
Mercury salts	62,230	39,178	93,961	55,810	118,005	86,507
Mexico—						
Mercury	598,500	948,779	1,403,293	1,842,048	1,753,870	1,593,327
United States—						
Mercury	30,369	41,497	67,628	34,301	82,044	145,833
Peru—						
Mercury	—	408	—	15,267	26,929	30,003
Japan—						
Mercury	88	1,459	6,175	2	317	1,210
Turkey—						
Mercury	5,578	5,324	36,341	38,407	23,578	(a)

(a) Information not available.

IMPORTS OF MERCURY, ETC.

(Less Re-exports)

(Lb.)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Mercury	425,900	1,431,510	1,803,837	714,322	1,180,738	216,658
Chloride	41,193	74,582	22,479	13,445	15,960	(a)
Southern Rhodesia—						
Mercury	5,822	8,147	(b) 11,289	(b) 13,493	(b) 10,109	(b) 11,948
South West Africa—						
Mercury	82	78	178	} 11,171	42,818	49,806
Mercury	84,336	50,532	103,535			
Union of South Africa—						
Mercury	144,277	196,412	243,491	522,409	449,702	400,710
Mercury salts	(£9,906)	(£12,330)	(£6,766)	(£4,094)	(£661)	(£9,039)
Canada—						
Mercury	559	(a)	(a)	(a)	(a)	(a)
British Guiana—						
Mercury	—	9,502	6,235	6,370	19,901	28,722
Hong Kong (f)—						
Mercury	163	(c) 276,993	(c) 210	14	173,080	296,727
India—						
Mercury	1,540	1,080	6,878	4,386	3,268	1,951
Malaya (f)—						
Mercury	(e) 3	(e) —	(e) 331	(e) 112	304	7,110
Pakistan—						
Mercury	(a)	(a)	6	353	44	(a)
Sarawak—						
Mercury	44,138	41,330	144,842	70,144	64,096	61,546
Mercury salts	108,069	33,160	53,303	182,079	367,592	250,817
Australia (d)—						
Mercury	1,671	3,817	1,721	5,634	5,146	1,464
Mercury salts	5,800	3,800	6,400	10,500	11,300	12,200
FOREIGN COUNTRIES						
Austria—						
Mercury	34,392	30,644	55,777	49,824	19,842	34,613
Mercury salts	—	22,487	34,172	26,896	24,030	16,314
Belgium-Luxemburg						
E.U.—						
Mercury	83,776	72,753	101,854	63,272	85,098	99,869
Mercury salts	4,410	15,433	25,353	25,892	11,684	16,535
Denmark—						
Mercury	3,086	9,039	19,842	19,621	93,256	22,046
Finland—						
Mercury and amalgam	23,303	39,185	111,298	124,405	65,111	150,018
France—						
Mercury	464,514	575,627	720,030	990,316	862,889	769,193
Mercury salts	2,205	—	—	220	661	2,205
Germany (Federal)—						
Mercury	336,425	649,261	1,658,758	1,572,557	1,181,237	1,140,892
Greece—						
Mercury	3,468	57	311	(a)	(a)	(a)
Italy—						
Mercury salts	22,266	39,833	25,768	2,072	30,151	38,140

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) Excess of re-exports.

(d) Years ended June 30 of that stated.

(e) Years ended March 31 following that stated.

(f) Total imports.

IMPORTS OF MERCURY, ETC. (cont.)
(Lb.)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Mercury	46,297	72,753	61,729	99,208	176,370	304,238
Mercury salts	24,255	50,706	59,525	48,502	52,911	52,911
Norway—						
Mercury	25,014	60,815	87,819	26,078	14,332	40,016
Portugal—						
Mercury	16,574	13,151	5,911	34,599	7,939	27,950
Mercury salts	1,393	2,910	3,770	4,958	5,426	4,965
Sweden—						
Mercury	27,891	72,753	57,320	213,848	372,581	154,324
Switzerland—						
Mercury	25,020	72,234	98,672	121,501	72,792	53,517
Algeria—						
Mercury	2,205	3,527	2,425	2,646	2,425	1,543
Mercury salts	1,102	661	661	441	441	441
Angola—						
Mercury	117	11	126	97	187	141
Mercury salts	287	884	161	66	64	68
Belgian Congo—						
Mercury	(a)	2,377	3,148	6,713	3,948	4,583
Mercury salts	(a)	330	54	11	893	44
Egypt—						
Mercury	2,950	1,876	2,302	2,668	(a)	(a)
Morocco (Southern)—						
Mercury	1,230	4,738	873	1,323	721	1,045
Mozambique—						
Mercury	53	49	163	163	293	179
Sudan—						
Mercury	229	24	172	390	269	(a)
Tunis—						
Mercury	(a)	440	220	568	220	110
Cuba (b)—						
Mercury	3,170	4,129	3,093	54,437	3,602	(a)
Guatemala (b)—						
Mercury	417	205	115	236	611	252
Nicaragua (b)—						
Mercury	71	174	234	(a)	(a)	(a)
United States—						
Mercury	5,460,998	6,337,868	4,936,732	1,546,904	3,596,016	3,192,364
Mercury salts	25,019	29,891	34,898	20,298	27,985	18,891
Argentina—						
Mercury	—	—	282	143	71,452	8,918
Mercury salts	503	3,018	5,315	2,006	8,386	8,521
Brazil (b)—						
Mercury	21,451	125,426	183,914	193,323	179,099	530,238
Chile—						
Mercury	697	669	4,782	4,353	(a)	(a)
Mercury salts	3,206	1,245	2,729	1,812	(a)	(a)
Colombia—						
Mercury	5,450	10,218	4,374	6,632	165,682	3,530
Mercury salts	8,061	19,729	46,784	42,137	19,061	52,649
Peru—						
Mercury	1,881	1,931	1,153	882	1,929	1,327
Mercury salts	734	758	503	406	717	1,023
Uruguay—						
Mercury	—	392	(a)	(a)	(a)	(a)
Venezuela (b)—						
Mercury	14,689	13,195	95,122	(a)	434,143	46,623
Mercury salts	251	6,387	11,444	6,109	4,707	9,720
Formosa—						
Mercury	4,526	8,755	3,556	2,099	16,175	16,211

(a) Information not available.

(b) Total imports.

IMPORTS OF MERCURY, ETC. (cont.)
(Lb.)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Indonesia—						
Mercury	12,377	10,084	2,185	97,266	19,019	11,947
Iran (b)—						
Mercury	2	7	772	(a)	(a)	(a)
Mercury salts	811	644	16,019	(a)	(a)	(a)
Japan—						
Mercury	55,713	366,313	68,185	406,023	1,048,172	1,015,791
Philippine Republic—						
Mercury	26,374	1,757	1,702	(a)	320	—
Turkey—						
Mercury	348	282	185	46	(a)	(a)
Mercury salts	4,109	3,822	3,865	767	1,455	2,932

(a) Information not available.

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

MICA

PRODUCTION OF MICA

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES:						
Kenya	2	—	—	(14 cwt.)	—	—
Northern Rhodesia—						
Sheet	16	8	3	2	3	(6 cwt.)
Nyasaland	(12 cwt.)	—	—	—	—	—
Southern Rhodesia—						
Block and sheet	93	66	82	63	55	31
Crude and waste	654	89	—	—	—	—
Tanganyika—						
Block and sheet	118	80	60	66	62	58
Uganda	(6 cwt.)	(59 lbs.)	(5 cwt.)	—	—	—
Union of South Africa—						
Sheet	5	4	2	5	(10 cwt.)	(12 cwt.)
Waste	2,621	1,912	1,834	3,490	2,249	1,887
Canada (sales)—						
Rough mine-run or						
rifted	6	28	5	11	18	1
Trimmed	28	23	8	11	10	18
Splittings	3	4	1	—	1	7
Sold for mechanical						
splittings	47	75	18	4	7	29
Ground	441	297	418	421	667	407
Scrap	374	573	307	286	40	109
Ungraded	—	11	5	—	—	1
By varieties—						
Phlogopite and						
biotite	669	832	643	507	743	565
Muscovite and						
schist	230	179	119	225	—	7
Ceylon (exports)	9	6	—	(1 cwt.)	—	—
India (exports)—						
Blocks	1,456	1,714	1,612	2,187	5,507	1,969
Splittings	5,649	5,451	4,852	7,468	6,546	7,430
Ground and scrap	8,244	5,104	10,275	12,133	12,180	12,462
Australia (b)—						
Block	32	32	38	25	13	16
Scrap	—	—	36	9	—	18
FOREIGN COUNTRIES						
France	182	116	152	137	102	(a)
Norway (incl. waste)	523	980	1,800	1,829	1,100	984
Spain	8	13	8	9	12	11
Sweden (sales)—						
Block	8	3	—	—	—	—
Ground	155	169	148	164	175	212
Angola—						
Sheet	28	19	11	15	24	21
Waste and splittings	197	10	161	230	432	377
Madagascar—						
Phlogopite (block and						
splittings)	1,052	803	516	266	530	948
Morocco (Southern)	6	13	13	(1 cwt.)	—	—
Mozambique	2	3	1	13	12	(a)
Mexico (exports)	—	36	1	1	27	15

(a) Information not available.

(b) The following amounts of damourite were also produced (long tons): 1952—461; 1953—445; 1954—514; 1955—436; 1956—472; 1957—650.

PRODUCTION OF MICA (cont.)

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
(cont.)						
United States (sales)—						
Sheet (uncut)	312	379	296	286	396	308
Scrap (b)	67,175	65,410	72,387	85,207	77,062	82,570
Argentina—						
Sheet	217	241	236	44	138	(a)
Waste						62	50	(a)
Brazil	2,088	1,941	1,769	1,362	1,306	1,458
Formosa	14	23	20	—	13	5
TOTAL*	91,000	86,000	97,300	116,000	109,000	112,000

* 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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Splittings	20	5	2	—	} 1,714	1,510
Ground and waste	494	675	1,126	1,435		
Southern Rhodesia—						
Block and sheet	108	66	86	65	54	338
Waste	154	277	—	—	—	—
Tanganyika—						
Block and sheet	107	78	78	65	} 57	67
Ground and waste	16	51	28	274			125
Uganda	—	—	1	—	—	—
Union of South Africa—						
Waste	1,849	2,514	3,452	3,147	1,566	1,771
Canada—						
Rough cobbled and thumb trimmed	102	143	35	22	30	69
Splittings	2	—	—	—	—	—
Ground	197	143	107	—	41	11
Scrap and waste	397	605	202	140	53	82
Ceylon	9	6	—	—	—	—
Hong Kong (re-exports)—						
Sheet, block, waste etc.	3	1	56	12	1	6
India—						
Block	1,456	1,714	1,612	2,187	5,507	1,969
Splittings	5,649	5,451	4,852	7,468	6,546	7,430
Ground and scrap	8,244	5,104	10,275	12,133	12,180	12,462
Australia (b)—						
Block, etc.	5	7	2	11	4	2
Micanite, etc.	(£10,490)	(£7,088)	(£9,969)	(£9,098)	(£7,979)	(£7,698)
FOREIGN COUNTRIES						
Austria	77	83	157	154	41	75
Belgium-Luxemburg E.U.—						
Unmanufactured	7	14	18	17	14	16
France—						
Unmanufactured (c)	63	99	66	105	138	195
Sheet, plate and manufactures	49	48	49	92	4	3
Germany (Federal)—						
Unmanufactured	43	85	130	154	379	223
Italy—						
Sheet and manufactured	14	12	9	3	3	28
Netherlands	11	15	27	207	55	72
Norway—						
Sheet	503	501	822	843	963	657
Scrap	14	325	456	334	632	1,049
Sweden	48	37	15	12	4	8
Switzerland (d)	106	1	6	26	13	9
U.S.S.R.	(a)	(a)	(a)	233	140	137
Yugoslavia—						
Waste	(a)	(a)	15	—	233	43
Angola—						
Crude	37	23	7	17	30	21
Waste	163	81	8	20	440	548
Madagascar—						
Phlogopite, etc.	725	628	486	641	631	801
Morocco (Southern)	4	4	23	4	1	—

(a) Information not available.

(c) Including waste.

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

EXPORTS OF MICA (cont.)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mozambique	4	2	1	2	—	2
Mexico	—	36	1	1	27	15
United States—						
Unmanufactured ..	264	20	142	200	244	407
Ground and manufac- tured	1,943	2,124	2,830	2,759	4,127	4,374
Argentina	2	100	33	154	262	115
Brazil	1,240	1,177	651	835	966	811

IMPORTS OF MICA

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Block	671	301	627	499	470	526
Splittings	1,546	492	925	1,168	744	739
Ground and waste	4,197	3,263	6,338	4,806	3,593	6,118
Tanganyika	9	(b) 1	—	6	—	4
Union of South Africa—						
Mica and micanite sheets	32	35	49	23	53	30
Canada—						
Unmanufactured	} (£257,667)	} (£259,339)	104	89	145	224
Manufactured			{ (£132,777)	{ (£174,987)	{ (£193,901)	{ (£162,307)
Hong Kong (f)—						
Sheet, block, waste etc.	1	—	68	5	—	10
India—						
Block	—	3	16	143	1	3
Splittings	12	26	47	27	6	34
Australia (c)—						
Block and sheet	} 146	} 64	22	24	21	11
Splittings			59	75	83	62
Waste and scrap			50	314	211	76
Ground			7	42	26	46
Micanite, etc.	(£33,943)	(£19,407)	(£12,151)	(£26,616)	(£16,315)	(£12,750)
New Zealand—						
Scrap	7	15	13	(£NZ 728)	(£NZ 930)	(£NZ 1,146)
Other (f.N.Z.)	(£17,897)	(£14,549)	(£20,103)	(£17,273)	(£10,236)	(£10,535)
FOREIGN COUNTRIES						
Austria—						
Crude	22	74	134	197	400	499
Sheet	33	24	32	50	32	31
Belgium-Luxemburg						
E.U.—						
Unmanufactured	572	841	1,147	1,057	1,240	1,470
Sheet, plate and manufactured	25	15	42	38	35	27
Denmark—						
Block	147	106	60	14	13	35
Powder	2,383	2,168	2,613	1,243	2,241	1,787
France—						
Unmanufactured (d)	1,336	998	1,840	1,970	2,447	2,877
Sheet, plate and manufactures	8	12	20	44	1	2
Germany (Federal)—						
Unmanufactured	1,924	2,406	1,964	2,889	3,202	3,560
Italy—						
Unmanufactured	11,354	2,728	4,241	4,508	16,136	34,547
Sheet and manufactured	141	97	143	222	220	182
Netherlands						
Unmanufactured	229	297	543	400	448	355
Sheet, plate and manufactured	34	53	56	68	51	58
Norway—						
Crude and waste	(a)	1,066	1,791	1,672	1,144	2,459
Portugal	2	21	35	34	47	51
Sweden	634	786	710	996	834	1,091
Switzerland (e)	5,057	4,323	5,003	5,486	8,169	10,075
Morocco (Southern)	5	220	51	199	13	2
Tunis	(a)	36	45	8	3	2

(a) Information not available.

(b) Excess of re-exports.

(c) Years ended June 30 of that stated.

(d) Including waste.

(e) Including asbestos.

(f) Total imports.

IMPORTS OF MICA (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mexico (<i>b</i>)	34	58	37	34	71	90
United States—						
Unmanufactured ..	6,937	4,666	4,966	9,227	7,319	5,453
Cut, splittings and manufactured ..	4,711	5,146	3,002	5,496	4,832	5,147
Chile—						
Sheet and manufactured	57	3	89	69	(<i>a</i>)	(<i>a</i>)
Colombia	1	4	2	6	55	74
Peru—						
Ground and waste ..	7	5	8	15	34	53
Venezuela (<i>b</i>)—						
Unmanufactured ..	663	290	909	(<i>a</i>)	1,280	1,440
Japan	605	1,407	1,305	935	2,349	2,927

(*a*) Information not available.

(*b*) Total imports.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Union of South Africa ..	—	—	—	—	—	204
Canada (shipments) ..	4,518	2,892	6,718	12,403	12,534	13,024
Hong Kong	7	30	1	—	—	—
Australia	2	37	14	48	2	47
FOREIGN COUNTRIES						
Austria	689	—	—	270	—	—
Norway	4,190	4,738	4,980	5,671	5,444	5,808
Portugal	—	15	50	163	163	263
Mexico	—	—	3,897	810	472	433
United States	643,735	852,460	873,681	920,040	855,722	904,732
Chile	54,269	44,904	39,507	41,753	46,120	44,646
Peru	111	157	47	—	—	—
Japan	2,929	5,934	6,687	6,515	7,837	8,935
Korea (South)	214	294	299	344	414	452
TOTAL*	710,664	911,461	935,881	988,017	928,708	978,544

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

(a) Information not available.

EXPORTS OF MOLYBDENUM ORE, ETC.

(Domestic Produce)

(Cwt.)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ferro-molybdenum ..	4,640	6,240	4,960	8,600	8,780	3,220
Canada—						
Concentrates	(a)	(a)	(a)	13,204	11,770	9,975
Australia (b)—						
Ore and concentrates ..	20	3	—	(a)	(a)	(a)
FOREIGN COUNTRIES						
France—						
Molybdic acid and molybdates	10	30	94	83	37	33
Norway—						
Ore	4,919	4,842	6,247	5,952	5,785	5,767
Sweden—						
Ore	20	—	—	—	138	295
Ferro-molybdenum ..	2,357	690	1,004	3,681	6,043	5,827
Mexico—						
Ore and concentrates (MoS ₂ content) ..	—	—	2,213	—	166	—
United States—						
Ore and concentrates (MoS ₂ content) ..	91,913	104,801	201,734	217,131	267,773	379,232
Metal, alloys and scrap	1,538	195	307	201	314	880
Ferro-molybdenum ..	9,733	5,771	2,212	3,118	8,435	3,422
Chile—						
Ore	66,930	50,328	45,273	57,084	49 000	57,000
Peru—						
Ore (MoS ₂ content) ..	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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ore	65,322	78,574	120,140	111,660	113,700	111,300
Metal	27	7	62	148	549	219
Canada—						
Oxide	4,644	3,198	3,780	5,876	8,530	4,262
Australia (b)—						
Metal	(a)	94	5	(a)	(a)	(a)
Ferro-molybdenum ..	566	1,511	3,046	1,937	114	158
FOREIGN COUNTRIES						
Austria—						
Molybdic acid	504	137	16	402	1,181	1,419
Ferro-molybdenum ..	2,870	1,762	1,293	376	543	2,632
Belgium-Luxemburg						
E. U.—						
Molybdic acid	236	39	205	154	262	638
Molybdates	197	177	248	266	506	260
Ferro-molybdenum ..	1,791	1,023	1,346	3,321	3,573	4,830
Finland—						
Ferro-molybdenum ..	752	1,152	685	778	728	1,444
France—						
Ore	(a)	(a)	(a)	(a)	55,438	66,979
Metal and alloys	100	45	67	146	169	161
Molybdic acid and molybdates	49	35	37	67	392	161
Germany (Federal)—						
Ore	36,498	33,837	74,434	74,121	98,253	101,139
Italy—						
Ore	3,911	2,407	3,466	8,582	8,102	12,655
Ferro-molybdenum ..	4,369	5,644	3,677	3,376	5,513	6,063
Netherlands—						
Ferro-molybdenum ..	(a)	(a)	480	640	807	709
Sweden—						
Ore	16,003	10,669	21,338	31,711	35,766	44,978
Ferro-molybdenum ..	181	1,181	984	1,358	1,181	1,516
United States—						
Ore (MoS ₂ content) ..	739	—	2,298	2,001	—	409
Japan—						
Ore and concentrates ..	2,261	4,311	13,818	4,882	27,046	72,713

(a) Information not available.

(b) Years ended June 30 of that stated.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Southern Rhodesia ..	—	(a)	(a)	(a)	40	72
Union of South Africa (b)	1,289	1,688	1,886	2,320	3,236	4,073
Canada	125,499	128,297	143,999	156,186	159,388	167,976
TOTAL	126,788	130,000	146,000	159,000	162,664	172,121
FOREIGN COUNTRIES						
Finland (c)	397	399	167	—	—	—
Greece	—	—	—	—	345	(a)
U.S.S.R. (d)	36,000	39,000	41,000	43,000	46,000	49,000
Cuba (e)	11,463	16,300	17,697	(i) 18,500	(i) 19,500	(i) 25,000
United States (f) ..	565	537	2,362	4,341	7,156	11,518
Bolivia (j)	—	—	—	—	3	2
Burma (g)	57	14	103	64	59	66
Japan	—	—	—	97	45	(a)
New Caledonia (h) ..	10,487	16,792	13,479	24,326	29,051	42,600
TOTAL*	58,900	73,000	(k) 75,000	(k) 90,000	102,000	129,000
WORLD'S TOTAL* ..	185,700	203,000	(k) 221,000	(k) 249,000	265,000	301,000

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

(a) Information not available.

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

(c) Nickel content of concentrates.

(d) Source: Metallgesellschaft.

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

	Long tons				Long tons					
1952	7,968	1955 .. .. .	..	..	..	13,516
1953	12,361	1956 .. .. .	..	..	..	14,341
1954	12,987	1957 .. .. .	..	..	..	19,862

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

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

	Long tons				Long tons					
1952	6,678	1955 .. .. .	..	..	..	10,304
1953	7,457	1956 .. .. .	..	..	..	13,268
1954	7,683	1957 .. .. .	..	..	..	10,729

(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					
1952	5,827	1955 .. .. .	..	..	..	10,514
1953	5,856	1956 .. .. .	..	..	..	9,500
1954	8,847	1957 .. .. .	..	..	..	10,156

(i) Estimated.

(j) Exports.

(k) Revised.

EXPORTS OF NICKEL
(Domestic Produce)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ingots, cubes, rondels etc.	10,185	(b) 11,634	(b) 13,906	(b) 12,492	(b) 10,703	(b) 10,557
Plates, sheets, etc. . .	117	168	246	176	135	148
Other nickel, worked . .	124	165	638	1,282	1,206	1,478
Wire (alloyed)	682	849	766	793	800	870
Bars, rods, sheets, etc. (alloyed)	4,081	582	411	477	468	569
Other alloyed, worked			2,407	2,018	881	1,052	1,052
Scrap and alloyed	1,468	3,274	2,574	1,962	1,247	1,219
Nickel oxide	194	324	273	292	359	398
Southern Rhodesia—						
Ore	—	96	49	66	96	286
Union of South Africa—						
Matte (Ni content)	1,412	1,512	1,648	1,622	1,846	(a)
Canada—						
Matte or speiss (Ni content)	56,922	57,062	58,770	58,888	63,138	65,798
Nickel, fine	68,802	71,347	81,616	95,065	93,175	92,194
Nickel oxide (Ni content)	1,081	1,160	1,327	1,297	1,578	1,524
FOREIGN COUNTRIES						
Belgium-Luxemburg E.U.—						
Ingots, scrap, etc.	75	66	62	100	112	75
Bars, sheets and wire . .	4	—	4	2	3	7
Denmark—						
Crude and scrap	66	210	130	(c) 150	(c) 210	89
Finland—						
Ore	460	416	—	—	—	—
Crude and scrap	12	59	—	59	—	3
France—						
Ore	—	20	10	—	(a)	(a)
Matte and speiss	—	—	177	—	—	15
Crude and ingots	92	203	1,435	1,782	1,354	1,324
do. (alloys)	10	42	40	51	8	1
Scrap (b)	27	255	409	643	311	99
Bars and wire	4	7	28	5	1	1
do. (alloys)	12	7	36	31	15	20
Germany (Federal)—						
Crude and scrap	74	54	15	213	614	1,248
Bars, sheets, wire, etc. (b) (d)	1,099	989	1,127	899	1,706	1,210
Italy—						
Ore	150	19	—	12	—	5
Ingots (b)	1	2	8	—	1	—
Scrap	5	—	—	—	—	—
Bars, sheets and wire . .	—	—	10	—	1	3
do. alloys	78	147	225	300	262	206
Netherlands—						
Scrap	16	70	70	31	85	117
Norway—						
Ore	—	—	—	—	—	861
Crude (b)	11,750	13,750	16,198	17,224	18,279	19,862
Sweden—						
Crude	—	—	30	12	47	261

(a) Information not available.

(c) Scrap only.

(b) Including alloys.

(d) Revised.

EXPORTS OF NICKEL (*cont.*)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
Switzerland—						
Crude and scrap (<i>b</i>) ..	107	468	357	409	468	393
Bars, sheets, etc. (<i>b</i>) ..	109	277	731	517	527	601
Cuba—						
Nickel oxide	10,778	17,681	19,013	15,339	16,251	21,876
United States—						
Ingots, bars, rods, etc. and scrap (<i>b</i>)	6,078	13,136	11,444	17,247	13,496	10,660
Sheets, plates and strips (<i>b</i>)			840	578	1,112	729
Japan—						
Ingots, slabs and grains	—	464	846	1,153	2,557	2,898
do. (alloys)	—	21	395	481	517	181
Bars, rods, plates and sheets	—	102	516	441	215	19
New Caledonia—						
Ore (3% to 6% Ni) ..	108,145	204,626	146,178	330,970	761,009	1,079,765
Matte (75% to 78% Ni)	3,774	5,335	7,426	8,784	6,811	10,138
Ferro-nickel (32% to 35% Ni) ..	8,744	6,679	11,567	14,219	12,673	14,093

(a) Information not available.

(b) Including alloys.

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

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ore, concentrates and matte	33,835	33,878	32,863	32,989	34,573	35,951
Ingots, cubes, rondels, etc.	4,578	5,879	5,930	8,690	7,989	8,837
Plates, sheets, etc. ..	8	14	18	3	3	9
Ingots, sheets, etc. (alloys)	1,941	3,218	2,855	3,014	2,697	2,657
Scrap and alloyed ..	784	1,246	2,063	2,085	1,390	1,300
Nickel oxide	653	469	624	720	729	1,093
Canada—						
Ingots or blocks (c) ..	28	402	186	401	216	288
Bars, rods, sheets, etc. (c)	1,444	2,351	1,228	1,476	2,065	1,580
Hong Kong (d)—						
Sheets, rods, wire, etc.	8	38	82	59	43	98
Australia (b)—						
Pigs and ingots	480	583	585	510	716	808
Bars, sheets, tubes, etc.	18	17	17	15	23	149
Pigs and ingots, alloyed	11	12	27	228	458	222
Bars, sheets, tubes, etc. alloyed	123	782	170			
Scrap	6	—	—	—	—	—
New Zealand—						
Ingots, bars, sheets, etc. do. (alloyed)	5 33	2 27	— 11	12	11	13
Irish Republic—						
Nickel alloys and manu- factures	3	5	11	33	48	38
FOREIGN COUNTRIES						
Austria—						
Crude	695	923	1,058	1,323	1,973	1,792
Anodes	13	28	78	92	45	44
Bars, sheets and wire ..	3	5	12	13	19	36
do. (alloys)	45	87	138	158	189	119
Scrap	—	—	6	42	37	23
Belgium-Luxemburg						
E.U.—						
Ingots, etc.	433	506	351	465	593	567
Scrap	7	12	8	158	45	69
Bars, sheets and wire ..	138	109	104	118	107	110
Denmark—						
Crude and scrap	61	80	106	105	142	180
Finland—						
Crude and scrap	221	201	185	448	296	312
France—						
Ore	6,908	14,898	760	—	(a)	(a)
Matte and speiss	12,167	9,831	13,358	8,864	7,104	7,762
Crude and ingots	986	1,196	1,142	1,551	1,521	2,341
do. (alloys)	175	56	5	463	54	91
Scrap (c)	233	206	81	122	99	485
Bars and wire	78	73	186	132	77	84
do. (alloys)	188	220	243	345	276	309

(a) Information not available.

(c) Including alloys.

(b) Year ended June 30 of that stated.

(d) Total imports.

IMPORTS OF NICKEL (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Ore	1,045	163	56	54	20,008	406
Matte and speiss ..	466	604	55	4	3	967
Crude and scrap ..	5,488	7,041	13,079	18,273	17,642	14,871
Bars, sheets, wire, etc. (b)	56	28	95	198	161	198
Italy—						
Ingots and alloyed ..	961	1,470	1,833	2,167	2,218	2,497
Scrap	104	470	488	369	481	623
Bars, sheets and wire ..	22	30	100	64	44	82
do. alloys	145	215	225	361	411	377
Netherlands—						
Crude and scrap ..	223	193	338	315	340	370
Bars, sheets and wire ..	(a)	119	318	186	174	124
Norway—						
Ore	—	148	74	—	—	—
Matte (copper-nickel)	26,119	29,576	34,624	37,111	43,795	45,823
Crude, bars, rods, etc. ..	9	100	14	5	7	17
Portugal	8	29	35	43	28	58
Spain—						
Crude, ingots, etc. ..	40	65	112	103	132	143
Bars, etc. (b)	(a)	1,111	67	163	177	222
Sweden—						
Crude	2,556	2,881	3,325	3,908	4,256	5,558
Switzerland—						
Crude and scrap (b) ..	518	608	519	695	759	716
Bars, sheets, etc. (b) ..	366	422	377	576	669	826
Yugoslavia—						
Crude	(a)	82	32	18	92	21
Algeria—						
Sheets, wire and alloys	—	4	5	—	1	1
Egypt—						
Crude, bars, sheets, etc.	9	31	23	32	(a)	(a)
Mexico (c)—						
Ingots	21	20	137	145	100	112
United States—						
Ore and matte	12,884	13,040	12,621	8,114	11,446	11,765
Pigs, ingots, scrap etc. ..	71,504	76,415	87,238	98,071	96,082	89,363
Bars, rods and sheets ..	10	311	118	16	16	25
Nickel oxide	21,789	28,437	28,808	29,372	29,424	34,467
Brazil (c)—						
Ingots, bars, sheets, etc.	180	153	319	206	269	500
Chile—						
Ingots	76	71	50	89	(a)	(a)
Colombia—						
Ingots, etc.	7	16	25	17	20	24
Bars, sheets and wire ..	14	20	39	107	66	(a)
Japan—						
Ore	71,675	198,093	144,449	302,673	654,637	1,065,220
Matte	838	451	120	—	—	109
Ingots, slabs, grains (b)	329	86	103	15	27	265
Bars, rods, sheets (b) ..	736	1	3	25	42	34
Turkey—						
Ingots, bars, and sheets	7	15	11	—	1	5

(a) Information not available.

(c) Total imports.

(b) Including alloys.

NITROGEN COMPOUNDS
PRODUCTION OF NITRATES (NATURAL)
(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
India—						
Nitrate of potash ..	8,384	(b) 2,777	(c) 3,000	(a)	(a)	(a)
FOREIGN COUNTRIES						
Spain—						
Nitrate of potash ..	450	450	680	(a)	(a)	(a)
Chile—						
Nitrate of soda ..	1,415,833	1,397,812	1,549,445	1,515,893	1,140,868	1,288,871

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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (b)— Nitrogenous fertilizers expressed as 25% NH ₃	1,455,900	1,508,000	1,488,800	1,435,300	1,554,000	1,641,600
Actual ammonium sulphate	1,015,400	1,047,000	1,049,400	1,010,700	1,061,100	1,109,500
Canada— Ammonium sulphate ..	202,379	166,554	158,660	274,837	319,896	279,774
India— Ammonium sulphate ..	220,302	319,616	340,222	393,096	388,992	379,656
Australia— Ammonium sulphate (c)	63,815	71,192	70,811	77,800	94,100	110,898
FOREIGN COUNTRIES						
Austria— Lime ammonium nitrate	424,787	(d) 482,222	(d) 559,191	(d) 624,881	(d) 651,808	(d)(e)755,000
Belgium— N content— Synthetic ammonia etc.	186,447	179,426	220,171	205,963	231,875	230,056
Ammonium sulphate	15,802	15,587	15,346	15,208	16,298	16,735
Mixed fertilizers ..	4,318	4,055	7,417	6,838	10,440	11,728
Technical products ..	8,803	5,638	9,614	9,543	9,767	7,913
Bulgaria— Nitrogen fertilizers ..	(a)	(a)	(a)	(a)	101,804	120,625
Czechoslovakia— Nitrogen fertilizers (N content)	(a)	34,845	38,168	59,448	63,476	72,909
Finland— Cyanamide	947	3,881	1,673	(a)	(a)	2,932
Nitrate of lime ..	(a)	43,936	59,020	(a)	(a)	(a)
Ammonium nitrate ..	(a)	1,481	547	(a)	(a)	295
Ammonium sulphate ..	(a)	5,596	11,479	10,252	3,167	731
France (c)— Ammonium sulphate ..	236,740	199,350	168,900	193,130	216,480	204,300
Cyanamide	33,760	36,650	42,960	43,080	30,530	12,000
Nitrate of soda ..	33,190	31,080	29,590	31,430	30,200	26,680
Nitrate of lime ..	240,800	214,380	197,680	243,160	234,020	261,620
Nitrate of ammonia ..	270,300	288,100	264,310	343,930	351,950	377,630
"Ammonitrate" ..	269,092	294,210	343,050	420,730	592,550	679,400
Ammonium phosphate	6,000	4,100	2,420	5,147	(a)	(a)
Germany (Federal)— Chemical nitrogen (N content)— Fertilizer	592,831	614,987	685,039	751,013	792,844	958,075
Technical use ..	73,063	107,538	138,164	162,203	153,243	150,716
Germany (East)— N content— Ammonium sulphate	137,294	145,376	154,007	163,064	166,453	165,240
Cyanamide	20,159	13,597	10,312	13,935	13,906	13,811
Lime ammonium nitrate	83,249	87,774	92,627	95,628	98,082	104,120
Potassium ammonium nitrate	8,111	9,780	11,032	11,865	11,874	11,814
Italy— Ammonium sulphate ..	561,400	575,799	672,933	727,142	774,597	765,176
Cyanamide	156,080	217,729	194,843	226,613	197,988	121,437
Nitrate of soda ..	1,269	1,041	1,064	6,996	6,099	5,871
Nitrate of lime ..	219,997	312,661	357,636	377,228	301,986	296,481

*Includes by-product ammonium sulphate which is separately recorded as far as available on pages 77-80.

(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) Estimated.

ESTIMATED PRODUCTION OF MANUFACTURED NITROGEN COMPOUNDS (cont.)

(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy (<i>cont.</i>)—						
Nitrate of ammonia ..	41,681	110,541	215,913	263,106	335,583	339,747
Di-ammonium phosphate ..	27,863	30,008	33,197	15,705	(a)	(a)
Ammonium phosphate ..	12,966	13,646	42,070	(a)	(a)	(a)
Netherlands—						
Nitrogen fertilizers (<i>N content</i>) ..	226,514	244,000	265,000	287,000	(b) 296,400	(b) 325,000
Norway—						
Cyanamide ..	14,376	28,260	17,851	2,964	2,465	(a)
Nitrate of ammonia ..	5,662	5,238	4,970	5,974	5,234	(a)
Nitrate of lime ..	932,421	871,708	995,443	1,016,873	860,463	(a)
Nitrate of soda ..	4,210	3,378	2,090	2,133	3,082	(a)
Lime ammonium nitrate ..	40,372	61,769	58,657	65,706	95,603	(a)
Poland—						
Ammonium sulphate ..	(a)	74,000	80,600	98,800	104,000	107,000
"Asotniak" ..		165,400	153,400	173,900	140,800	144,000
"Saletrzak" ..		111,400	190,100	403,300	501,500	380,000
Portugal—						
Cyanamide ..	(a)	(a)	2,121	4,107	9,277	5,067
Ammonium sulphate ..	42,522	33,042	57,810	78,934	103,052	60,460
Spain—						
Cyanamide ..	6,889	2,500	8,697	17,021	21,359	(a)
Ammonium nitrate ..	27,269	25,371	37,608	25,272	(a)	(a)
Ammonium sulphate ..	89,325	87,604	119,947	141,811	134,523	(a)
Sweden—						
Compressed ammonia (100%) ..	10,336	12,206	12,121	12,659	15,350	(a)
Ammonia (25%) ..	3,714	4,050	4,213	4,024	4,087	(a)
Synthetic nitrogen fertilizer (<i>N content</i>) ..	25,003	28,596	26,042	25,022	26,734	31,597
Yugoslavia—						
Ammonium nitrate ..	—	—	3,344	16,462	16,521	19,970
Egypt—						
Nitrate of lime ..	90,254	121,027	156,000	187,900	(a)	(a)
Mexico (b)—						
Nitrogen fertilizers (<i>N content</i>) ..	12,900	13,200	14,100	14,200	16,200	(a)
United States—						
Sulphate equivalent of ammonia produced (coke-ovens) ..	795,224	933,496	792,172	933,749	870,359	905,112
Actual ammonium sulphate (coke-ovens) ..	716,440	844,762	734,659	876,184	788,125	812,496
Actual ammonium sulphate (synthetic plants) ..	725,710	514,493	842,701	1,047,124	978,377	958,413
Anhydrous ammonia (synthetic plants) ..	1,832,245	2,042,665	2,443,284	2,903,213	3,016,395	3,313,318
Ammonium nitrate, original ..	1,310,126	1,391,479	1,683,449	1,874,557	1,967,564	2,287,398
Brazil (Volta Redonda)—						
Ammonium sulphate ..	(a)	4,465	6,126	5,872	6,662	5,731
Formosa—						
Cyanamide ..	67,979	72,085	70,614	72,841	73,341	(c) 74,000
Ammonium sulphate ..	5,640	5,748	4,908	4,358	6,494	(c) 15,000
Israel (b)—						
Ammonium sulphate ..	—	—	—	—	(a)	37,786
Japan—						
Ammonium sulphate ..	1,921,446	2,000,612	2,151,491	2,095,319	2,285,920	2,441,686
Cyanamide ..	517,476	517,169	511,677	502,814	499,902	398,226
Ammonium nitrate ..	26,089	32,290	37,191	33,695	45,538	46,675
Ammonium chloride ..	27,318	34,640	57,021	62,843	75,235	135,159

(a) Information not available.

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

(c) Estimated.

EXPORTS OF NITROGEN COMPOUNDS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Nitrate of potash ..	1,314	1,309	1,198	1,007	(a)	(a)
Nitrate of soda ..	2,171	1,672	536	165	(a)	(a)
Ammonium sulphate ..	447,348	393,546	338,758	203,928	24,651	205,804
Ammonium chloride ..	10,315	12,922	14,581	12,802	11,182	9,864
Ammonium nitrate ..	55,762	33,481	9,962	5,814	3,786	2,148
Ammonium phosphate	524	568	149	118	(a)	(a)
Liquid ammonia ..	893	844	982	997	} 4,566	} 3,939
Anhydrous ammonia ..	1,992	3,787	4,054	4,439		
Other nitrogen fertilizers	(a)	9,556	6,373	4,296	1,436	1,317
Canada—						
Ammonium sulphate ..	178,287	131,581	138,179	(£3,992,173)	(£4,390,147)	(£3,470,267)
Nitrogen fertilizers	305,361	304,232	276,922	(£9,219,889)	(£6,133,443)	(£6,759,139)
Hong Kong (re-exports)—						
Nitrate of potash ..	—	134	84	142	213	320
Nitrate of soda ..	—	15	50	1	—	—
Ammonium sulphate ..	143,391	137,606	293,849	142,655	95,820	25,073
Synthetic nitrate ..	1,441	4,846	5,192	1,168	85	67
Ammonium chloride ..	—	2,134	336	86	118	261
India—						
Nitrate of potash ..	59	40	110	111	148	6
Malaya (including re-exports)—						
Nitrates of potash and soda ..	12	7	9	11	5	4
Other nitrogen fertilizers	862	1,263	2,063	1,463	2,667	1,749
Anhydrous ammonia ..	7	12	8	8	4	8
FOREIGN COUNTRIES						
Austria—						
Lime ammonium nitrate	265,168	(a)	(a)	(a)	(a)	(a)
Ammonium nitrate ..	20	14	80	—	—	—
Ammonium sulphate ..	2,257	—	—	—	—	—
Anhydrous ammonia ..	240	206	431	577	1,250	1,602
Belgium-Luxemburg						
E.U.—						
Nitrate of potash ..	379	91	119	49	21	33
Nitrate of soda ..	445	202	178	56	—	40
Nitrate of lime ..	9,463	1,373	1	11	—	—
Ammonium sulphate ..	354,452	542,356	532,121	480,884	579,869	537,145
Ammonium chloride ..	185	30	24	70	54	39
Ammonium nitrate ..	71,509	112,729	114,174	184,810	109,583	134,042
Ammonium phosphate	2,907	8,723	13,145	13,942	18,975	28,130
Cyanamide ..	2,977	1,076	1,641	7,992	11,719	8,833
France—						
Nitrate of potash ..	1,328	669	980	1,225	3,418	3,072
Nitrate of soda ..	1,011	3,394	1,518	3,881	1,089	2,075
Nitrate of lime ..	5,396	5,255	12,250	5,484	4,413	5,907
Ammonium sulphate	(b) 161,686	(b) 63,739	(b) 162,576	(b) 69,556	79,097	118,518
Ammonium chloride ..	399	2,511	1,802	1,072	585	466
Ammonium nitrate ..	2,143	5,190	6,830	6,465	21,382	49,702
Cyanamide ..	541	221	908	537	855	226
Anhydrous ammonia ..	566	667	697	383	265	291

(a) Information not available.

(b) May include some "Ammonium nitrate".

EXPORTS OF NITROGEN COMPOUNDS (*cont.*)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Nitrate of potash ..	2,662	5,399	5,372	7,090	6,801	8,476
Nitrate of soda ..	3,243	15,133	21,378	4,964	3,588	4,515
Nitrate of lime ..	91,665	157,705	123,434	99,979	100,712	82,642
Lime ammonium nitrate	333,477	390,999	438,903	570,888	503,630	708,198
Ammonium chloride ..	1,966	4,363	7,470	8,758	8,021	8,967
Other nitrogen fertilizers	236,107	302,511	394,084	502,606	584,248	633,863
Germany (East)—						
Nitrogen fertilizers (b)	40,645	50,056	61,644	81,875	88,206	81,260
Hungary—						
Nitrogen fertilizers ..	8,226	2,329	1,473	17,885	22,228	6,103
Italy—						
Nitrate of soda ..	249	16	11	3	9	33
Nitrate of lime ..	1,969	16,768	10,355	16,200	609	—
Ammonium nitrate ..	387	28,310	80,306	98,058	125,981	162,944
Ammonium sulphate ..	172,600	164,240	141,074	216,721	263,941	235,455
Cyanamide ..	6,330	48	5,717	5,341	6,410	703
Netherlands—						
Nitrate of potash ..	14	14	12	18	51	31
Nitrate of soda ..	26	1	—	16	7	137
Nitrate of lime ..	46,765	45,708	51,135	33,286	55,339	48,853
Ammonium sulphate ..	286,161	278,198	281,141	317,268	305,019	359,905
Ammonium chloride ..	10	28	57	76	17	56
Ammonium nitrate ..	—	797	—	—	—	1
Lime ammonium nitrate	149,337	198,758	219,908	155,846	202,834	324,250
Norway—						
Nitrate of soda ..	3,957	2,793	1,405	2,095	5,328	1,300
Nitrate of lime ..	815,578	842,488	924,232	869,105	904,658	988,927
Ammonium nitrate ..	660	163	188	191	1,091	559
Cyanamide ..	17,070	26,497	4,919	—	2	3,405
Portugal—						
Ammonium sulphate ..	3,846	712	2,839	5,597	6,536	8,697
Spain—						
Ammonium sulphate ..	378	—	—	7	10	—
Synthetic nitrates ..	1,047	—	—	—	133	103
Sweden—						
Ammonium nitrate ..	17	12	15	2,972	20	61
Switzerland—						
Nitrate of potash (crude)	10,658	6,801	—	5	18	3,946
Nitrates of potash and soda (purified) ..	68	24	22	105	97	39
Ammonium sulphate, etc. ..	5,800	5,963	3,493	579	5,183	2,026
U.S.S.R.—						
Ammonium nitrate ..	(a)	(a)	(a)	57,200	55,800	69,900
Ammonium sulphate ..	(a)	(a)	(a)	57,300	55,300	46,800
United States—						
Nitrate of soda ..	8,430	21,615	22,604	10,379	3,641	3,197
Ammonium nitrate ..	8,520	7,308	15,145	69,567	118,790	104,811
Ammonium sulphate ..	108,560	35,215	180,579	546,792	681,028	698,159
Other nitrogen fertilizers ..	42,865	41,505	43,635	73,318	75,990	139,228
Nitrogen phosphatic fertilizers ..	54,348	41,120	76,479	75,810	39,346	71,687
Anhydrous ammonia ..	13,778	13,499	35,051	39,334	47,611	60,666
Chile—						
Nitrate of soda ..	1,251,865	1,173,617	1,486,754	1,234,485	1,140,684	1,180,700
Nitrate of potash ..	47,832	41,124	63,038	66,975	55,305	51,300
Japan—						
Cyanamide ..	462	13,838	60,072	33,010	9,948	115
Ammonium nitrate ..	2,339	3,283	3,849	2,559	984	4,486
Ammonium chloride ..	71	14	1,485	11,003	4,549	16,544
Ammonium sulphate ..	176,633	491,275	457,317	407,114	469,104	705,616

(a) Information not available.

(b) N content.

IMPORTS OF NITROGEN COMPOUNDS

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Nitrate of potash ..	343	710	927	1,281	2,354	1,205
Nitrate of soda ..	16,873	16,598	13,354	18,754	17,924	20,401
Cyanamide ..	7,748	6,116	2,043	1,480	509	1,369
Anhydrous ammonia ..	15	18	36	38	21	11
Ammonium sulphate ..	—	5	—	4	37,474	550
Malta—						
Nitrate of soda ..	119	98	148	—	—	—
Ammonium sulphate ..	728	1,084	1,805	1,309	2,411	1,423
Ghana—						
Ammonium sulphate ..	(a)	(a)	443	571	1,560	208
Kenya—						
Nitrate of soda ..	21	—	—	124	—	45
Other nitrogen fertilizers	3,332	2,365	3,935	8,097	8,321	9,122
Mauritius—						
Nitrate of potash ..	988					
Nitrate of soda ..	7,600					
Ammonium chloride ..	—	25,015	23,783	26,909	37,485	29,787
Ammonium sulphate ..	22,437					
Nigeria—						
Ammonium sulphate ..	(a)	(a)	4,390	4,177	3,717	502
Other nitrogen fertilizers	(a)	(a)	5	571	223	490
Northern Rhodesia—						
Nitrates ..	119	95	(c)	(c)	(c)	(c)
Ammonium compounds	827	903	(c)	(c)	(c)	(c)
Southern Rhodesia—						
Nitrates (incl. fertilizers)	2,292	4,404	(b) 2,713	(b) 4,515	(b) 113	(b) 139
Anhydrous ammonia ..	19	33	(b) 1,112	(b) 855	(b) 241	(b) 240
Ammonium compounds	(a)	(a)	(b) 20,125	(b) 36,735	(b) 34,281	(b) 55,014
Ammonium sulphate ..	(a)	(a)				
South West Africa—						
Anhydrous ammonia ..	10	1	2	(e)	(e)	(e)
Tanganyika—						
Synthetic nitrate of soda, calcium and ammonia	25	10				
Other nitrogen fertilizers	4,889	—	1,423	2,228	2,564	3,938
Uganda—						
Nitrogen fertilizers ..	587	724	761	2,247	3,931	2,294
Union of South Africa—						
Nitrate of potash ..	77	138	128	(f) 168	(f) 182	(f) 243
Nitrate of soda ..	787	2,380	705	(f) 1,102	(f) 1,260	(f) 1,004
Ammonium sulphate ..	44,349	34,769	62,872	(f) 84,529	(f) 40,259	(f) 53,328
Ammonium chloride ..	317	366	410	(f) 576	(f) 760	(f) 1,039
Ammonium nitrate ..	34,489	22,137	15,057	(f) 9,403	(f) 518	(f) 2
British Guiana—						
Nitrogen fertilizers ..	12,831	10,855	(d) 11,731	(d) 11,967	(d) 17,758	(d) 17,468
British Honduras—						
Nitrogen fertilizers ..	(a)	26	539	268	(a)	(a)
British West Indies—						
Barbados—						
Nitrate of soda ..	—	—	—	10	35	—
Ammonium sulphate ..	10,039	9,682	9,365	10,779	11,933	16,721
Jamaica—						
Nitrogen fertilizers	10,909	17,489	20,247	18,852	22,197	18,434
St. Vincent—						
Ammonium sulphate ..	825	265	544	490	391	(a)
Trinidad and Tobago—						
Ammonium sulphate ..	11,503	8,615	12,204	13,504	19,270	13,097

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) See under Southern Rhodesia.

(d) Ammonium sulphate only.

(e) Included with Union of South Africa.

(f) Including South West Africa.

IMPORTS OF NITROGEN COMPOUNDS (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Canada—						
Nitrate of potash ..	350	539	442	554	487	467
Nitrate of soda ..	20,042	17,904	16,044	19,131	24,580	22,855
Ammonium sulphate ..	754	18,977	12,591	6,276	2,807	2,936
Ammonium chloride ..	262	339	396	554	618	853
Ammonium nitrate ..	1,251	718	767	741	620	93
Anhydrous ammonia ..	7,620	7,502	24,124	20,796	15,867	24,165
Other nitrogen fertilizers	(a)	(a)	942	334	203	28
Ceylon—						
Ammonium sulphate ..	51,372	77,428	89,601	99,788	97,526	121,398
Cyanamide	281	403	363	251	171	244
Cyprus—						
Ammonium sulphate ..	(a)	6,750	4,878	10,035	13,013	16,049
Ammonium chloride ..	3	6	6	4	4	5
Other nitrogen fertilizers	(a)	3,108	5,526	5,040	6,924	12,391
Hong Kong (<i>d</i>)—						
Nitrate of potash ..	(a)	251	362	564	664	595
Nitrate of soda ..	—	310	—	—	—	—
Ammonium sulphate ..	156,594	108,185	306,892	149,300	95,127	25,663
Synthetic nitrates ..	17	6,189	4,862	1,572	754	449
Ammonium chloride ..	(a)	1,675	107	394	584	892
India—						
Nitrate of soda ..	3,705	9,794	8,444	8,390	663	17,193
Ammonium sulphate ..	33,615	77,824	83	15,597	73,334	84,110
Ammonium phosphate ..	1,350	300	—	300	—	10
Ammonium chloride ..	2,729	4,123	4,293	2,643	1,280	330
Other ammonium salts ..	243	646	1,968	1,844	2,253	(a)
Anhydrous ammonia ..	45	101	81	98	83	(a)
Other nitrogen fertilizers	5,584	4,300	2,119	2,991	4,013	354
Malaya (<i>d</i>)—						
Nitrogen fertilizers ..	35,964	24,546	42,820	51,604	55,805	79,306
Anhydrous ammonia ..	561	1,860	2,014	3,044	2,186	1,984
North Borneo—						
Ammonium sulphate ..	(a)	(a)	198	246	446	366
Other nitrogen fertilizers	(a)	(a)	8	30	8	27
Pakistan—						
Nitrate of soda ..	(b) 5	(b) 30	(b) 5	(b) —	5	—
Ammonium sulphate ..	(b) 5,593	(b) 92	(b) —	(b) 3	300	(e) 145,426
Ammonium chloride ..	(b) 40	(b) 13	(b) 97	(b) 25	—	—
Other ammonium salts ..	(b) 134	(b) 122	(b) 382	(b) 50	807	86
Anhydrous ammonia ..	(b) 59	(b) 182	(b) 151	(b) 64	30	96
Sarawak—						
Ammonium sulphate ..	(a)	(a)	663	802	1,829	1,735
Other nitrogen fertilizers	(a)	(a)	23	31	106	29
Australia (<i>c</i>)—						
Nitrate of potash ..	332	174	272	297	368	347
Nitrate of soda ..	15,765	7,855	6,963	11,714	14,102	11,219
Ammonium chloride ..	40	19	52	114	3	2
Ammonium sulphate ..	40,848	384	11,187	35,056	9,466	28,251
Ammonium nitrate ..	6,482	1	1,144	1,222	2,475	1,566
Other nitrogen fertilizers	49	22	72	260	386	17
New Zealand—						
Nitrate of potash ..	50	79	29	98	87	74
Nitrate of soda ..	3,302	3,427	3,103	5,863	5,113	2,911
Ammonium sulphate ..	4,567	2,782	4,583	5,716	4,454	4,988
Ammonium chloride ..	452	227	278	348	296	282
Ammonium nitrate ..	139	12	410	(a)	(a)	(a)
Anhydrous ammonia ..	75	47	40	46	86	63
Cyanamide	454	2,211	5,317	—	—	—
Fiji—						
Ammonium sulphate ..	4,110	4,333	5,368	(a)	(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.

(e) Including purchases on Government account.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
Irish Republic—						
Nitrate of potash ..	90	147	(a)	(a)	(a)	(a)
Nitrate of soda ..	6,032	100	2,288	4,493	3,439	3,989
Ammonium sulphate ..	25,202	51,475	47,723	59,647	55,840	62,082
Anhydrous ammonia ..	73	58	57	56	63	68
Other nitrogen fertilizers	4,616	4,725	8,488	9,504	11,046	14,909
FOREIGN COUNTRIES						
Austria—						
Nitrate of lime ..	5,404	2,067	2,068	1,230	1,040	2,356
Nitrate of potash ..	160	221	341	381	274	252
Cyanamide ..	—	884	930	1,399	1,040	1,618
Ammonium chloride ..	202	75	24	12	20	21
Belgium-Luxemburg						
E.U.—						
Nitrate of potash ..	2	1,176	1,102	1,741	1,651	1,731
Nitrate of soda ..	25,264	21,715	41,406	30,166	35,655	43,163
Nitrate of lime ..	318	3,361	863	820	1,455	1,713
Cyanamide ..	—	80	62	94	207	219
Ammonium sulphate ..	2,750	31,886	5,379	4,883	16,728	6,103
Ammonium chloride ..	644	1,050	2,449	2,294	1,797	2,021
Ammonium nitrate ..	8,205	44,850	1,856	1,290	9,515	5,004
Anhydrous ammonia ..	11,878	2,162	9,850	12,638	17,604	666
Denmark—						
Nitrate of potash ..	567	692	972	742	949	913
Nitrate of soda ..	14,076	14,912	25,633	18,335	26,179	26,168
Nitrate of lime ..	357,961	436,634	478,991	414,747	539,145	609,674
Ammonium sulphate ..	9,685	109	7,293	9,861	15,178	8,439
Ammonium chloride ..	409	938	636	550	914	730
Ammonium nitrate ..	21,365	32,601	25,063	7,648	24,497	10,730
Cyanamide ..	—	143	73	—	30	142
Finland—						
Nitrate of potash ..	100	67	99	132	43	114
Nitrate of soda ..	275	464	658	361	199	80
Nitrate of lime ..	62,525	32,496	28,588	35,874	48,198	19,144
Ammonium nitrate ..	31,197	25,284	38,771	18,331	3,780	3,161
Ammonium sulphate ..	36,911	24,496	31,154	31,710	55,681	56,945
Ammonium chloride ..	166	219	260	273	580	512
France—						
Nitrate of soda ..	59,834	84,660	138,665	102,819	88,644	92,847
Nitrate of lime, etc. ..	—	—	—	9,818	4,905	51
Ammonium sulphate ..	(b) 33,602	(b) 2,981	(b) 25,952	(b) 75,158	1,021	520
Ammonium nitrate ..	14,452	7,985	19,024	2,275	10,679	151
Ammonium chloride ..	616	938	1,402	1,995	2,552	1,768
Anhydrous ammonia ..	19,440	374	1,222	2,138	8,991	4,558
Cyanamide ..	946	—	—	1,022	16,600	13,881
Germany (Federal)—						
Nitrate of potash ..	—	49	157	207	304	79
Nitrate of soda ..	2,624	5,449	27,937	28,482	32,833	11,411
Greece—						
Nitrate of potash ..	96	43	179	(a)	(a)	(a)
Nitrate of soda ..	20,625	679	44,626	7,117	2,184	776
Ammonium nitrate ..	8,544	3,100	12,172	20,330	33,591	15,984
Ammonium sulphate ..	16,869	65,577	82,294	75,624	60,103	142,928
Hungary—						
Nitrogen fertilizers ..	1,961	14,728	71,288	27,837	31,936	166,941
Iceland—						
Nitrate of lime ..	30	—	5	20	20	25
Lime ammonium nitrate ..	11,121	13,780	13,385	—	—	—
Nitro-phoska ..	738	1,083	1,292	2,297	492	1,033

(a) Information not available.

(b) May include some "ammonium nitrate".

IMPORTS OF NITROGEN COMPOUNDS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Nitrate of potash ..	928	1,038	1,034	807	874	886
Nitrate of soda ..	18,688	41,794	50,586	44,469	42,276	44,507
Nitrate of lime ..	5,866	5,437	—	—	—	3,789
Ammonium chloride ..	408	589	1,065	1,022	854	347
Ammonium nitrate ..	1,613	5,470	2,379	2	156	3,437
Cyanamide ..	8,501	1,476	—	—	—	—
Netherlands—						
Nitrate of potash ..	1,537	1,075	1,461	1,718	2,400	1,827
Nitrate of soda ..	5,494	14,578	38,267	28,836	17,240	11,457
Nitrate of lime ..	2,489	15	39	31	—	—
Ammonium sulphate ..	11	6,818	7,876	3,169	12,119	265
Ammonium chloride ..	613	906	1,207	1,603	1,009	1,077
Ammonium nitrate ..	1	1	2	1	1,674	7,390
Lime ammonium nitrate	38,937	110,096	115,040	33,442	20,310	48,834
Cyanamide ..	10,260	7,028	5,313	2,404	1,169	6,447
Other nitrogen fertilizers	536	2,044	8,512	9,753	8,176	5,279
Norway—						
Nitrate of potash ..	80	129	199	104	194	258
Ammonium sulphate ..	145	156	145	196	—	246
Portugal—						
Nitrate of potash ..	153	280	353	316	391	309
Nitrate of soda ..	32,046	22,645	38,364	23,093	22,169	3,118
Nitrate of lime ..	(a)	1,067	2,669	3,291	1,304	12,018
Ammonium sulphate ..	60,722	79,427	138,515	57,297	44,667	122,420
Ammonium chloride ..	53	56	60	110	105	120
Ammonium nitrate ..	2,307	5,936	2,747	2,458	3,527	3,182
Cyanamide ..	4,759	6,751	6,011	7,297	1,264	1,947
Lime ammonium nitrate	15,045	25,000	37,507	33,076	45,129	49,086
Nitro-phoska ..	(a)	2,664	3,489	3,435	3,881	7,130
Anhydrous ammonia ..	460	406	289	150	124	106
Spain—						
Nitrate of soda ..	68,295	142,412	151,953	99,041	155,415	103,714
Cyanamide ..	5	—	—	1	—	—
Ammonium sulphate ..	300,471	122,793	201,095	340,346	348,636	347,836
Ammonium chloride ..	43	—	—	—	—	—
Synthetic nitrates ..	112,870	63,176	81,947	130,533	149,512	133,050
Sweden—						
Nitrate of potash ..	382	636	700	776	924	839
Nitrate of soda ..	29,706	23,713	36,226	53,653	25,146	42,076
Nitrate of lime ..	280,700	247,864	294,364	264,572	324,503	334,302
Ammonium nitrate ..	2	22	106	175	1,478	571
Ammonium sulphate ..	1,677	1,782	2,204	3,967	9,503	11,064
Ammonium chloride ..	285	671	1,135	965	892	878
Cyanamide ..	3,931	4,862	—	—	—	—
Switzerland—						
Nitrate of potash, crude	98	99	1	295	16	—
Nitrates of potash and soda, purified ..	513	661	475	697	811	641
Ammonium sulphate, etc. ..	130	558	542	49	35	96
Ammonium chloride ..	269	360	606	814	702	640
Yugoslavia—						
Nitrate of potash ..	219	1	1,080	—	39	—
Nitrate of soda ..	6,097	5,843	10,521	9,693	21,076	—
Ammonium chloride ..	172	(a)	(a)	(a)	(a)	(a)
Ammonium sulphate ..	113	8,061	8	—	—	—
Ammonium nitrate ..	3,932	(a)	(a)	(a)	(a)	(a)
Lime ammonium nitrate	(a)	4,441	76,105	113,573	159,250	275,121

(a) Information not available.

IMPORTS OF NITROGEN COMPOUNDS (cont.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Algeria—						
Nitrate of potash ..	20	13	21	11	377	181
Nitrate of soda ..	340	459	909	1,224	842	1,358
Nitrate of lime ..	3,269	3,279	4,680	4,108	3,011	4,141
Ammonium chloride ..	263	150	1,028	959	539	438
Ammonium sulphate ..	9,949	16,937	20,619	23,444	12,644	18,635
Ammonium nitrate ..	1,486	3,957	5,035	5,510	11,852	17,142
Cyanamide ..	320	89	430	138	203	39
Angola—						
Ammonium sulphate ..	1,358	837	1,835	3,091	2,225	2,953
Belgian Congo—						
Ammonium chloride ..	(a)	(a)	(a)	16	61	72
Nitrogen fertilizers ..	(a)	(a)	2,481	2,716	3,224	4,509
Canary Islands—						
Ammonium sulphate ..	(a)	24,844	38,014	50,913	46,229	49,602
Egypt—						
Nitrate of soda ..	274,541	171,428	96,288	35,388	(a)	(a)
Nitrate of lime ..	190,073	236,702	186,218	165,481	(a)	(a)
Ammonium sulphate ..	38,297	28,846	81,080	83,666	(a)	(a)
Ammonium chloride ..	577	433	565	539	(a)	(a)
Ammonium nitrate ..	37,938	66,896	158,322	127,835	(a)	(a)
Ammonium sulpho- nitrate ..	8,566	12,459	15,940	31,494	(a)	(a)
Morocco (Southern)—						
Nitrate of potash ..	(a)	293	324	405	17	9
Nitrate of soda ..	188	40	225	275	245	583
Nitrate of lime ..	(a)	1,604	2,029	1,722	855	1,010
Ammonium nitrate ..	286	580	1,690	987	6,328	6,352
Ammonium sulphate ..	9,392	9,160	14,986	18,523	6,986	7,358
Morocco (Northern)—						
Ammonium sulphate ..	575	385	541	1,346	897	(a)
Reunion—						
Ammonium sulphate ..	5,933	6,098	7,374	6,004	8,019	8,261
Sudan—						
Synthetic nitrate of soda, calcium and ammonia	22,296	16,646	18,426	13,180	4,164	8,166
Other nitrogen fertilizers	1,904	1,924	7	14,253	18,695	26,782
Tunis—						
Nitrate of potash ..	(a)	70	19	148	22	79
Nitrate of soda ..	(a)	302	171	265	744	541
Nitrate of lime etc. ..	(a)	93	221	216	—	39
Ammonium sulphate, etc.	(a)	1,612	2,771	2,476	1,109	1,644
Cuba (b)—						
Nitrate of potash ..	22,708	8,262	3,883	5,357	16,205	(a)
Nitrate of soda ..	5,127	814	2,481	4,990	5,459	(a)
Ammonium sulphate ..	33,616	8,825	21,763	28,712	38,265	(a)
Anhydrous ammonia ..	737	790	97	356	3,608	(a)
Dominican Republic (b)—						
Ammonium sulphate ..	(a)	(a)	(a)	(a)	7,901	21,385
Mexico (b)—						
Nitrate of soda ..	11,007	9,352	15,119	9,532	10,462	14,433
Ammonium chloride ..	(a)	(a)	(a)	(a)	795	535
Ammonium sulphate ..	50	23	8,108	41,202	34,306	8,094
Ammonium nitrate ..	5,156	4,046	10,121	24,528	34,120	33,118
Anhydrous ammonia ..	(a)	(a)	(a)	(a)	15,741	16,028

(a) Information not available.

(b) Total imports.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States—						
Nitrates of potash and soda, crude	14,696	11,175	11,811	17,232	17,367	22,672
Nitrate of potash	11,837	15,131	1,428	2,089	2,114	2,011
Nitrate of soda	602,972	507,922	653,152	548,380	446,439	522,272
Nitrate of lime	35,237	60,530	61,283	50,323	58,296	53,621
Ammonium sulphate	212,556	467,730	272,332	154,570	176,473	147,079
Ammonium chloride	1,663	1,901	1,560	1,694	2,330	2,234
Ammonium nitrate	417,670	681,590	468,695	361,827	390,696	315,004
Ammonium phosphates	119,007	148,658	146,547	209,396	170,155	151,318
Cyanamide	85,888	73,409	75,188	72,954	59,987	51,721
Argentina—						
Nitrate of potash	142	370	504	826	—	—
Nitrate of soda	20,908	7,183	20,405	27,576	20,859	23,765
Ammonium sulphate	6,855	6,346	10,889	11,517	13,405	21,807
Brazil (b)—						
Nitrate of potash	1,354	177	2,055	869	1,345	909
Nitrate of soda	45,547	77,736	43,750	49,713	41,956	49,746
Nitrate of potash and soda	—	—	—	20,761	15,815	11,379
Ammonium nitrate	508	4,473	10,439	11,850	8,341	14,499
Ammonium sulphate	6,383	21,164	23,215	28,237	47,156	55,153
Cyanamide	194	—	71	181	58	139
Other nitrogen fertilizers	(a)	1,245	4,097	2,698	7,773	5,093
Anhydrous ammonia	201	10	16	—	2	1
Chile—						
Ammonium chloride	877	178	281	464	(a)	(a)
Ammonium sulphate	6	54	480	511	(a)	(a)
Ammonium nitrate	4,633	4,371	1,116	3,381	(a)	(a)
Anhydrous ammonia	128	32	51	85	(a)	(a)
Colombia—						
Nitrate of potash	106	263	273	326	304	267
Nitrate of soda	1,035	612	1,857	335	611	394
Ammonium chloride	87	58	113	99	218	246
Ammonium sulphate	3,841	2,706	3,472	4,791	5,996	2,987
Other nitrogen fertilizers	2,434	5,454	10,198	7,819	12,638	28,803
Ecuador—						
Nitrogen fertilizers	1,168	760	2,302	2,222	2,115	(a)
Peru—						
Nitrate of potash	21	41	55	52	58	66
Nitrate of soda	9,648	7,063	6,710	16,852	9,382	15,334
Anhydrous ammonia	105	106	171	173	167	194
Other nitrogen fertilizers	15,354	18,303	20,921	20,642	18,462	43,766
Uruguay—						
Nitrate of potash	984	571	(a)	(a)	(a)	(a)
Nitrate of soda	514	1,808	(a)	(a)	(a)	(a)
Ammonium sulphate	223	1,443	(a)	(a)	(a)	(a)
Venezuela (b)—						
Nitrate of potash	59	213	289	557	330	126
Nitrate of soda	685	986	568	809	771	362
Ammonium sulphate	790	2,492	3,399	9,421	6,765	17,645
Cyanamide	(a)	1,021	81	—	855	1,693
Formosa—						
Nitrate of soda	346	767	1,244	768	1,263	913
Ammonium sulphate	80,901	120,474	286,283	252,638	247,046	180,625
Other nitrogen fertilizers	1,314	45,605	544	492	984	1,230
Indo-China—						
Ammonium phosphate	4,048	68	907	(a)	(a)	(a)
Ammonium sulphate	8,921	10,038	13,113	(a)	(a)	(a)

(a) Information not available.

(b) Total imports.

IMPORTS OF NITROGEN COMPOUNDS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Indonesia—						
Nitrate of soda ..	59	153	294	398	220	163
Ammonium chloride ..	186	238	291	224	223	509
Ammonium sulphate ..	51,579	66,701	73,306	100,237	122,484	148,173
Anhydrous ammonia ..	908	1,761	1,255	1,686	1,386	1,333
Other nitrogen fertilizers	424	787	1,773	922	3,272	1,465
Israel—						
Ammonium sulphate ..	10,439	18,203	42,162	36,377	30,255	295
Nitrogen fertilizers ..	4,315	2,848	12,961	5,979	11,003	3,848
Japan—						
Nitrate of soda	5,572	6,658	8,883	7,759	9,246	11,909
Ammonium sulphate ..	—	—	—	—	101	536
Korea—						
Ammonium sulphate ..	(b) 164,572	(b) 374,562	(b) 154,445	63,700	26,481	8,431
Ammonium nitrate ..	(b) 30,202	(b) 67,455	(b) 18,634	(a)	(a)	(a)
Lebanon—						
Nitrogen fertilizers ..	12,141	18,763	20,309	20,939	27,574	25,191
Philippine Republic—						
Nitrate of potash ..	16	37	78	1,803	59	1,482
Nitrate of soda ..	—	43	2	—	33	—
Ammonium phosphate ..	44,826	46,778	23,706	13,487	11,247	39,840
Ammonium sulphate ..	86,478	56,088	23,880	49,304	32,302	50,241
Turkey—						
Nitrate of soda	2,929	488	1,477	125	2,988	1,588
Ammonium chloride ..	569	382	103	306	160	122
Ammonium sulphate ..	2	—	2	4	39,593	38,599
Ammonium nitrate ..	—	492	10	410	2,308	915

(a) Information not available.

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

PETROLEUM AND ALLIED PRODUCTS

PRODUCTION OF CRUDE PETROLEUM*

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Crude petroleum ..	55,500	54,800	59,100	53,600	66,100	82,000
Shale oil	106,500	104,100	99,600	96,700	77,600	71,100
Nigeria	—	—	—	—	—	1,270
Union of South Africa						
Shale oil (c)	32,997	38,403	34,613	36,337	36,798	(a)
Canada (b)	7,751,560	10,240,367	12,162,069	16,384,841	21,769,696	23,018,435
Trinidad (b)	3,036,811	3,192,275	3,375,618	3,556,544	4,132,681	4,866,278
Bahrain Islands (e) ..	1,475,104	1,482,967	1,456,600	1,489,100	1,478,400	1,593,000
British Borneo—						
Brunei	4,993,687	4,803,603	4,712,241	5,133,440	5,547,433	5,458,923
Sarawak	49,944	49,057	70,190	65,614	70,616	65,906
India	258,752	267,245	301,834	341,098	374,100	421,769
Pakistan	226,200	251,700	277,800	295,322	225,706	314,237
Kuwait (e)	37,042,122	42,529,558	46,969,415	53,894,068	54,117,349	56,375,946
Qatar (e)	3,245,343	3,997,926	4,704,423	5,361,779	5,783,812	6,504,814
New Zealand	1,236	1,135	979	814	1,000	838
TOTAL	58,270,000	67,010,000	74,224,000	86,709,000	93,681,000	99,810,000
FOREIGN COUNTRIES						
Albania	(d) 180,000	200,000	230,000	259,000	(d) 262,000	(d) 482,000
Austria	2,721,277	3,170,064	3,377,582	3,608,211	3,373,351	3,135,286
Bulgaria	—	—	5,000	148,000	242,892	280,000
Czechoslovakia (d) ..	178,000	192,000	198,000	200,000	(a)	(a)
France	343,039	360,546	500,000	861,900	1,244,800	1,392,500
Germany (Federal) ..	1,727,705	2,154,135	2,624,000	3,097,000	3,451,000	3,897,000
Hungary	589,000	833,000	1,198,000	1,576,000	1,183,000	663,000
Italy	62,646	83,941	71,057	200,350	561,340	1,237,116
Netherlands	703,712	806,977	922,231	1,008,000	1,079,543	1,499,269
Poland	230,000	240,000	180,800	177,000	180,800	177,700
Roumania	7,876,000	8,914,500	9,587,300	10,388,782	10,747,993	11,011,000
U. S. S. R.	46,600,000	52,000,000	58,400,000	69,700,000	82,500,000	96,497,000
Yugoslavia	149,144	169,995	212,856	253,143	289,041	389,313
Algeria	45,298	88,332	72,900	53,964	33,010	18,704
Angola	—	—	—	—	8,246	9,882
Egypt	2,315,023	2,314,111	1,938,978	1,792,640	1,799,000	2,299,000
French Equatorial Africa	—	—	—	—	—	170,456
Morocco	99,431	100,990	116,085	100,838	95,913	73,910
Cuba	15,000	21,000	14,000	50,000	69,000	56,000
Mexico (b)	10,854,700	10,046,000	11,782,000	12,591,900	12,802,000	12,496,000
United States (b) ..	313,676,200	322,887,900	317,121,600	340,332,600	358,552,300	358,701,600
Argentina	3,494,000	4,039,000	4,171,000	4,324,564	4,852,600	5,312,500
Bolivia	68,000	60,300	156,000	354,000	420,200	470,100
Brazil	100,944	123,194	133,517	271,993	539,264	1,300,009
Chile	116,700	161,480	222,700	331,000	455,000	556,000
Colombia (b)	5,438,193	5,553,586	5,631,059	5,593,046	6,215,631	6,442,880
Ecuador	378,590	395,250	419,524	479,883	455,676	425,093

*Excluding Natural Gasoline. See page 227. (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.)
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Peru	2,306,290	2,253,372	2,243,684	2,265,317	2,451,000	(b)2,500,000
Venezuela	94,925,000	92,623,000	99,462,000	113,205,000	129,279,000	146,753,000
Burma	100,470	127,765	178,460	215,193	245,776	399,778
China (b)	429,000	618,000	776,000	950,000	1,156,000	1,440,000
Formosa	2,400	2,350	4,620	3,110	2,790	(b) 2,300
Indonesia	8,388,780	10,063,826	10,604,957	11,604,063	12,592,104	15,230,000
Iran	<i>b</i> 1,250,000	<i>b</i> 1,140,000	<i>b</i> 2,700,000	<i>c</i> 15,772,000	<i>c</i> 25,934,000	<i>c</i> 34,765,000
Iraq	18,553,290	27,740,366	30,146,447	33,149,233	30,820,078	21,558,279
Israel	—	—	—	—	27,000	57,000
Japan	298,000	294,000	297,000	312,000	308,000	316,000
Netherlands New Guinea (d)	239,000	237,000	491,200	477,954	357,632	326,486
Saudi Arabia	39,870,805	40,887,754	46,136,583	46,784,693	47,935,041	48,229,690
Turkey	21,354	26,126	58,000	175,774	300,789	293,430
Neutral Zone (e)	—	—	833,000	1,250,000	1,650,000	3,275,000
TOTAL	564,300,000	591,000,000	613,300,000	f683,900,000	744,700,000	784,300,000
WORLD'S TOTAL	622,600,000	658,000,000	687,500,000	f770,600,000	838,000,000	884,100,000

- (a) Information not available.
(b) Estimated.
(c) 1954 Oil Agreement Area only.
(d) Exports.
(e) Neutral Zone of Kuwait and Saudi Arabia.
(f) Revised.

PRODUCTION OF NATURAL GASOLINE
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Canada	65,895	68,451	76,541	97,335	102,696	107,714
Trinidad (b)	23,239	30,017	32,991	31,093	29,295	34,817
Brunei	—	—	—	56,131	61,395	69,668
FOREIGN COUNTRIES						
Italy	26,122	49,771	56,729	55,714	61,700	64,900
Poland	16,400	17,200	20,000	20,100	19,200	18,300
Egypt	9,408	5,951	5,226	5,689	5,500	(a)
Mexico	158,500	(a)	192,672	192,700	(a)	(a)
United States	25,649,000	27,378,000	28,933,000	32,288,000	33,009,000	33,800,000
Argentina	(a)	(a)	(a)	8,280	8,857	(a)
Colombia	90,646	91,615	127,035	148,069	147,034	142,788
Ecuador	15,240	16,046	18,295	19,664	19,410	18,849
Peru	118,678	121,494	109,806	106,154	119,000	(a)
Venezuela	275,000	361,000	359,000	404,000	430,000	575,000
Formosa	675	707	594	433	393	(d) 370
WORLD'S TOTAL (c)	26,400,000	28,200,000	29,900,000	33,400,000	34,200,000	35,100,000

- (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.
(d) Estimated.

PRODUCTION OF NATURAL GAS*

(Million cubic feet)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Barbados	154	151	122	133	125	108
Canada	88,686	100,986	120,735	150,772	169,153	220,094
Trinidad	31,503	34,597	38,494	40,860	51,742	65,418
Brunei	1,780	2,076	2,404	2,713	2,890	2,671
Pakistan	—	—	—	1,377	10,425	15,349
New Zealand	—	6	5	5	8	7
FOREIGN COUNTRIES						
Austria	17,235	19,586	22,078	27,058	26,307	26,786
France	9,752	8,799	9,147	9,401	11,696	19,832
Germany (Federal)	3,399	3,657	5,303	10,905	16,281	16,377
Hungary	17,587	19,317	19,635	19,176	17,022	14,436
Italy	50,594	80,506	104,789	128,090	157,724	176,110
Poland	(b) 10,000	(b) 10,000	(b) 12,000	13,889	15,411	14,800
Roumania	(a)	123,550	130,665	138,116	(a)	(a)
U.S.S.R. (c)	260,341	282,872	310,170	365,720	483,036	883,000
Yugoslavia	489	2,581	3,183	1,946	2,424	1,466
Morocco (Southern)	13	151	290	265	258	(a)
Tunis	(a)	(a)	(a)	156	205	213
Mexico	93,655	93,231	94,079	120,353	124,591	162,307
United States	8,013,457	8,396,916	8,742,546	9,405,351	10,081,923	10,604,130
Argentina	(a)	(a)	(a)	37,389	24,519	(a)
Colombia	7,204	17,092	19,247	19,070	22,036	(a)
Peru	(a)	(a)	(a)	35,694	(a)	(a)
Venezuela (d)	740,708	730,212	767,074	858,434	976,329	1,134,411
Burma	(a)	(a)	(a)	(a)	231	225
Formosa	982	1,092	1,026	1,007	1,056	(b) 1,100
Indonesia	38,007	49,356	56,343	67,948	72,825	77,000
Japan	3,216	3,902	4,979	5,492	6,244	8,700
Saudi Arabia	46	48	42	44	(a)	(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): 1952—145; 1953—161; 1954—191; 1955—221; 1956—244; 1957—291.

(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); 1957—(a)

PRODUCTION OF ASPHALT ROCK

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
France	71,915	84,319	77,570	80,861	78,465	70,000
Germany (Federal) ..	111,952	127,157	136,139	125,331	112,356	96,141
Italy	210,034	237,271	338,168	375,602	383,586	293,528
Angola	21,281	16,967	19,465	17,022	18,587	21,181
Belgian Congo	171	734	226	—	—	—
United States (sales) ..	1,402,409	1,286,200	1,194,484	1,274,000	1,303,000	1,043,000
Philippine Republic ..	27,923	9,793	2,929	3,199	671	1,081
Syria	9,874	12,812	15,542	21,533	33,687	(a)

(a) Information not available.

PRODUCTION OF NATURAL ASPHALT, ETC.

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Trinidad	170,595	143,243	142,101	136,729	141,127	135,939
FOREIGN COUNTRIES						
Albania	(a)	50,000	(a)	(a)	(a)	(a)
Spain	6,731	7,097	10,790	6,341	10,300	(a)
French West Africa—						
Bitumen	200	—	—	—	—	—
United States (sales)—						
Gilsonite	54,232	54,022	67,806	(b) 73,948	79,467	183,965
Argentina—						
Grahamite (exports) ..	747	955	1,207	1,627	1,214	1,393
Impsonite	12,368	11,705	14,285	12,400	9,544	(a)
Iraq	(a)	(a)	(a)	12,710	(a)	91,731

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.

(b) Revised.

PRODUCTION OF OIL-SHALE

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain	1,401,191	1,385,665	1,356,218	1,336,093	1,053,835	902,062
Union of South Africa (b)	191,583	276,296	257,407	274,459	256,942	(a)
Australia	21,661	—	—	—	—	—
FOREIGN COUNTRIES						
Austria	753	942	1,038	841	707	694
France	338,040	308,000	243,976	214,360	143,869	40,000
Spain	156,111	189,119	234,071	486,669	588,337	721,845
Sweden (c)	1,630,271	1,901,744	1,793,034	1,829,070	1,823,214	2,113,159

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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (d)—						
Aviation and motor spirit	4,851,800	6,311,700	7,221,100	7,220,000	7,215,000	5,908,000
Other spirit	220,400	244,900	279,700	295,000	253,000	141,000
Kerosine	556,000	538,600	738,400	780,000	859,000	839,000
Gas oil and diesel oil ..	3,791,700	4,261,500	4,124,500	4,474,000	5,062,000	5,067,000
Fuel oil	10,294,800	11,116,700	11,939,000	10,776,000	10,931,000	10,443,000
Fuel used in refineries	1,162,100	1,512,600	1,830,000	2,055,000	2,122,000	2,091,000
Lubricating oil.. ..	368,500	362,300	582,100	693,000	773,000	743,000
Bitumen	715,800	722,400	819,200	862,000	933,000	836,000
Paraffin wax	14,738	17,800	29,000	18,000	24,000	28,000
Union of South Africa—						
Motor spirit	27,700	30,500	247,200	334,900	379,000	323,000
Kerosine	(a)	(a)	16,500	45,300	46,600	54,000
Gas and diesel oil ..	(a)	(a)	67,700	125,400	144,000	267,000
Fuel oil	(a)	(a)	64,400	94,500	91,800	272,000
Lubricating oil ..	(a)	(a)	(a)	4,400	11,500	(a)
Canada (b)—						
Aviation spirit	52,283	66,861	54,866	81,745	84,313	56,415
Motor spirit	6,644,460	7,315,979	7,864,749	8,798,664	9,851,289	9,971,319
Naphtha	103,996	105,471	99,285	106,714	83,752	119,362
Kerosine	931,165	1,101,429	1,249,089	1,387,450	1,421,749	1,624,787
do. Power	47,571	38,844	20,391	20,815	50,311	599,084
Aviation turbine fuel ..	48,188	146,277	208,309	334,841	510,748	5,009,149
Gas oil, etc.	2,093,566	2,491,528	3,219,710	3,886,616	5,185,863	3,397,856
Diesel oil	1,327,781	1,485,580	1,681,259	2,106,145	2,886,560	6,721,652
Fuel oil	3,986,520	4,238,075	4,404,750	4,963,500	6,144,804	998,908
do. (used in refineries)	712,762	763,359	847,022	855,719	998,908	296,000
Lubricating oil.. ..	237,287	228,503	221,550	215,970	215,970	269,242
Grease	14,152	15,349	11,427	12,488	12,488	241,879
Coke	181,596	213,092	211,506	240,981	241,879	384,543
Asphalt	859,348	888,845	929,955	1,151,127	1,344,347	1,380,365
Trinidad—						
Aviation spirit	190,417	189,619	193,353	215,859	256,784	335,771
Motor spirit	650,819	804,460	840,059	906,072	954,535	1,027,572
White spirit	55	302	224	160	4,586	3,949
Kerosine	109,614	97,730	79,538	107,522	98,140	126,089
do. Power	473,404	411,186	379,076	276,669	272,257	290,479
Gas and diesel oil ..	722,235	732,559	781,593	1,023,315	1,234,118	1,451,781
Fuel oil	2,551,408	2,529,705	2,472,515	2,687,419	3,035,120	3,377,904
Lubricating oil and greases	395	217	390	392	402	569
Bitumen	98,219	87,971	129,615	67,064	48,116	56,990
Other finished products	73,477	103,724	86,634	78,267	148,960	125,350
Aden—						
Motor spirit	—	—	—	634,636	682,725	668,989
Kerosine	—	—	—	355,512	295,376	284,564
Fuel oils	—	—	—	3,054,878	3,386,366	3,111,110
Bahrain Islands (c)—						
Motor spirit	2,203,606	2,067,200	2,253,400	2,219,300	1,973,600	1,636,000
Kerosine	1,121,647	1,081,300	1,058,800	777,100	715,400	560,000
Gas oil and diesel oil ..	1,370,455	1,580,200	1,863,800	1,950,600	1,841,600	1,928,000
Fuel oil	3,967,478	4,270,300	4,372,200	3,944,500	4,390,400	4,368,000
Bitumen	93,879	114,300	111,300	120,600	109,100	94,000

*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.

(e) Revised.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
India—						
Motor and other spirits	47,100	50,600	57,000	343,000	443,000	426,000
Kerosine	63,600	70,500	69,100	255,000	274,000	313,000
Gas and diesel oils ..	44,400	46,800	47,200	280,000	378,000	408,000
Fuel oil	23,200	17,000	23,400	387,000	547,000	607,000
Lubricating oils ..	16,000	15,900	15,200	16,000	16,000	16,000
Bitumen			5,600	58,000	111,000	124,000
Other refined products } ..	35,200	39,700	47,000	51,000	51,000	57,000
Kuwait (c)—						
Motor spirit	19,400	33,500	144,600	46,000	47,000	43,000
Kerosine	8,200	10,400	47,900	17,000	19,000	21,000
Gas and diesel oils ..	210,000	273,200	307,800	290,000	280,000	258,000
Fuel oil	814,800	863,300	1,260,400	872,000	860,000	816,000
Bitumen	(a)	(a)	4,000	11,000	14,000	14,000
Pakistan—						
Motor spirit	49,800	56,400	62,600	63,700	65,000	69,700
Kerosine	8,300	8,900	10,000	10,200	16,800	16,100
Diesel oil	21,400	35,100	46,400	54,000	58,000	61,000
Fuel oil	86,500	101,300	92,700	92,000	106,000	104,000
Lubricating oil ..	17,000	2,200	3,800	5,000	4,000	6,000
Bitumen	(a)	9,100	9,800	10,000	18,000	13,000
Sarawak—						
Motor spirit (b) ..	474,935	523,770	530,194	560,400	598,800	566,400
Kerosine, power ..	312	303	295	—	—	—
Gas, diesel and fuel oils	1,612,462	1,722,783	1,767,247	1,840,300	1,850,600	1,738,900
Australia—						
Motor spirit	313,700	353,700	799,200	1,493,700	2,407,125	2,834,781
Kerosine	(a)	1,800	1,300	(a)	(a)	(a)
Gas oil	33,945	40,698	60,053	286,943	1,648,000	1,748,000
Diesel oil	108,075	123,928	328,772	656,320		
Fuel oil	358,983	355,917	573,883	2,143,617	3,045,000	3,308,000
Lubricating oil ..	25,609	16,042	28,817	67,421	(a)	(a)
Bitumen	93,703	104,470	138,086	161,500	200,893	209,844
FOREIGN COUNTRIES						
Austria—						
Motor spirit	(a)	(a)	(a)	273,334	215,943	247,976
Kerosene	(a)	(a)	(a)	171,051	137,864	131,691
Gas oil	(a)	(a)	(a)	571,143	522,850	539,254
Fuel oil	(a)	(a)	(a)	1,012,217	1,064,419	1,033,932
Lubricating oil ..	(a)	(a)	(a)	57,718	58,391	65,391
Belgium—						
Motor spirit	527,232	679,468	822,000	949,000	1,160,000	1,125,000
Kerosine	61,320	81,804	133,400	164,100	204,500	200,600
Gas oil	469,219	778,874	886,000	1,146,000	1,382,000	1,228,000
Fuel oil	1,270,132	1,318,411	1,488,000	1,689,000	1,937,700	2,043,000
Lubricating oil ..	4,237	4,902	9,400	16,600	23,600	28,300
Asphalt, etc. ..	83,753	86,829	89,800	148,000	224,000	288,200
Denmark—						
Gas and diesel oil ..	6,462	6,055	7,915	7,791	6,473	6,647
Lubricating oil ..	8,010	8,404	8,288	3,090	2,879	(a)
Grease	981	1,307	1,077	434	405	(a)
Asphalt	20,202	19,694	20,741	23,652	17,881	22,947
France—						
Motor spirit	4,508,000	5,064,800	5,171,000	5,029,000	5,376,000	5,285,000
Kerosine and white spirit	403,900	389,500	470,000	445,000	407,000	341,000
Gas and diesel oil ..	3,206,000	3,020,500	2,949,100	3,477,900	3,388,000	2,867,000
Fuel oil	10,378,000	10,586,400	10,521,000	11,016,000	12,170,000	11,339,000
Lubricating oil ..	341,300	379,400	479,900	531,000	584,000	560,000
Road oil and coke ..	1,046,000	835,000	985,000	} d 2,025,000	d 2,258,000	d 2,218,000
Paraffin wax	11,400	16,200	20,000			

(a) Information not available.

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

(c) British Protected State.

(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.)

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal) —						
Aviation spirit	87,426	142,001	197,200	241,576	309,979	360,269
Motor spirit	1,692,447	2,035,348	2,546,373	2,930,082	3,083,268	3,262,447
Kerosine	48,193	51,071	230,929	164,974	208,568	100,432
Diesel oil	1,402,142	1,764,218	2,281,487	2,891,967	3,177,783	3,153,364
Fuel oil	830,969	942,538	1,580,380	1,888,726	2,325,228	2,677,668
Lubricating oil	378,627	385,355	332,740	356,883	381,324	336,699
Grease	5,170	6,534	7,491	9,678	9,091	10,008
Paraffin wax	23,686	22,347	35,197	42,223	45,530	48,196
Coke	52,312	77,515	187,048	200,181	227,716	247,554
Bitumen	452,741	466,305	614,714	654,962	699,159	733,955
Hungary—						
Motor spirit	188,708	179,661	177,169	184,527	148,753	239,211
Kerosine	91,047	77,878	79,744	64,379	62,430	50,131
Gas oil	229,849	301,061	337,862	349,909	328,260	453,557
Italy—						
Motor spirit	1,740,160	2,245,020	2,764,368	2,675,339	3,049,293	3,022,577
White spirit	14,428	20,271	20,453	26,428	41,741	26,412
Kerosine	606,800	807,124	1,014,700	1,096,675	1,117,165	1,002,094
Gas oil	1,784,318	2,441,056	3,113,652	3,529,642	3,882,080	4,289,883
Fuel oil and diesel oil	4,424,808	5,707,365	7,130,317	7,651,255	8,373,727	9,349,100
Lubricating oil	64,555	69,734	129,389	145,598	164,901	143,249
Coke	2,180	120	148	120	169	125
Bitumen	283,196	307,440	394,558	384,608	432,499	445,414
Other products	103,980	168,018	236,083	308,587	366,277	418,991
Netherlands—						
Motor spirit	1,935,000	2,129,000	2,319,000	2,340,000	2,327,000	2,691,000
Kerosine	236,000	496,000	626,000	720,000	729,000	492,000
Gas and diesel oil	1,552,000	1,831,000	2,712,000	2,629,000	2,648,000	3,132,000
Residual fuel oil	2,817,000	3,516,000	4,492,000	5,219,000	6,558,000	6,169,000
Lubricating oil	27,600	44,000	55,000	67,000	140,000	172,000
Asphalt	258,000	192,000	280,000	304,000	264,000	230,000
Portugal—						
Motor spirit	84,900	19,600	159,600	212,200	219,000	220,521
Kerosine	67,100	15,700	107,200	165,200	151,000	118,008
Gas and diesel oil	115,300	25,600	151,300	143,300	208,000	209,180
Fuel oil	197,200	47,000	292,500	315,300	328,000	362,425
Roumania—						
Motor spirit	(a)	(a)	(a)	2,593,451	2,706,198	(a)
Kerosine	(a)	(a)	(a)	1,340,362	1,364,086	(a)
Gas oil	(a)	(a)	(a)	1,600,259	1,611,231	(a)
Mazout	(a)	(a)	(a)	3,972,795	4,055,503	(a)
Spain—						
Motor spirit	197,089	311,072	386,249	378,224	420,072	585,000
Kerosine	17,485	35,466	40,579	50,444	48,536	134,000
Gas oil	222,427	272,553	304,350	408,746	444,730	726,000
Fuel oil	408,079	762,743	879,977	981,259	1,069,795	1,616,000
Lubricating oil	(a)	(a)	(a)	40,115	(a)	36,000
Paraffin wax	95	108	106	48	(a)	(a)
Sweden—						
Motor spirit	190,988	207,632	221,601	221,537	185,300	217,772
White spirit	3,967	3,858	8,223	9,704	(a)	(a)
Kerosine	61,046	109,310	115,866	120,850	178,114	173,988
Fuel oil, etc.	982,570	1,206,382	1,392,597	1,522,443	1,409,973	1,442,938
Lubricating oil	16,248	16,358	20,703	20,409	23,157	19,767
Asphalt	79,587	96,301	116,711	128,438	142,227	185,747
Yugoslavia—						
Motor spirit	97,848	109,545	117,615	131,688	169,024	217,243
White spirit	4,626	5,351	5,313	7,857	6,325	8,481
Kerosine	32,663	41,024	61,296	74,257	81,138	72,096
Gas oil	120,555	131,967	158,437	171,125	199,074	247,570
Fuel oil	184,000	190,000	(a)	(a)	(a)	(a)
Lubricating oil	21,281	29,178	29,018	34,510	31,059	40,814
Bitumen	21,700	54,100	(a)	(a)	(a)	(a)
Other products	14,800	18,700	(a)	(a)	(a)	(a)

(a) Information not available.

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

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Canary Islands—						
Motor spirit	206,938	194,272	202,757	201,546	269,287	318,000
Kerosine	60,282	71,483	77,813	69,203	72,510	110,000
Gas oil	127,713	141,391	148,264	117,763	238,946	} 601,000
Diesel oil	181,709	146,834	144,106	164,988	142,860	
Fuel oil	446,777	462,016	546,161	595,580	743,647	1,154,000
Lubricating oil	(a)	8,041	9,185	12,275	(a)	10,000
Asphalt	46,477	55,000	75,664	64,578	(a)	(a)
Egypt—						
Motor spirit	185,578	184,931	222,425	254,720	258,000	284,000
Kerosine	215,953	204,173	216,092	270,715	241,000	273,000
Gas oil	51,889	47,001	73,573	156,877	(a)	(a)
Diesel oil	76,378	67,989	144,335	196,713	(a)	(a)
Fuel oil	1,685,269	1,663,892	1,482,118	1,538,647	1,586,000	1,910,000
Asphalt	50,500	37,612	49,195	85,138	(a)	(a)
Morocco—						
Motor spirit	13,767	9,549	25,345	29,930	31,839	28,612
Kerosine	7,906	12,172	11,852	12,331	11,597	8,545
Gas and fuel oils	75,776	77,224	24,365	39,462	31,918	35,797
Cuba—						
Motor spirit	97,100	109,600	105,300	122,800	139,000	(a)
Kerosine	80,600	84,800	89,000	112,300	117,000	(a)
Gas oil and diesel oil	92,800	105,400	122,000	135,300	137,000	(a)
Fuel oil	55,100	49,900	59,400	66,600	84,000	(a)
Lubricating oil	1,800	3,400	3,600	11,100	11,000	(a)
Mexico—						
Motor spirit	1,670,441	1,810,290	1,789,864	1,859,803	2,096,000	2,370,000
Kerosine	778,705	871,050	895,348	926,268	1,001,000	1,041,000
Gas oil	901,963	825,426	828,142	751,585	805,000	1,120,000
Fuel oil	4,620,496	5,298,532	6,192,567	6,531,998	6,190,000	6,288,000
Lubricating oil	33,614	33,571	48,253	154,735	110,000	129,000
Paraffin wax	10,700	8,428	9,104	32,629	(a)	(a)
Asphalt	66,800	90,700	84,013	96,512	(a)	(a)
Netherlands West Indies						
<i>(b)</i> —						
Aviation spirit	1,862,718	} 5,321,427	{ 1,088,723	1,159,251	1,339,431	1,301,733
Motor spirit	3,381,874		{ 4,164,594	3,245,143	2,623,820	2,438,893
Kerosine	} 2,107,834	2,205,970	{ 1,947,719	1,528,038	1,342,086	1,229,122
Aviation turbine fuel		{ 678,138	1,227,937	1,620,798	1,859,385	
White spirit	(a)	(a)	150,753	136,661	54,215	46,386
Gas oil	1,657,804	1,719,253	2,556,367	2,822,938	2,556,587	2,744,541
Diesel oil	2,995,490	3,652,925	2,193,609	2,313,976	2,612,650	1,916,776
Fuel oil	29,910,999	24,435,000	21,331,257	23,154,116	24,999,904	22,474,723
Lubricating oil	429,572	505,412	548,009	635,615	688,656	602,087
Asphalt	531,393	498,729	582,145	702,881	617,596	683,698
United States—						
Aviation spirit	8,928,000	9,979,000	10,541,000	11,490,000	12,313,000	12,481,000
Motor spirit	125,963,000	135,015,000	133,853,000	145,800,000	151,164,000	152,173,000
Kerosine	16,389,000	15,680,000	15,566,000	14,908,000	15,716,000	13,864,000
Jet fuels	2,664,000	4,550,000	5,925,000	7,210,000	8,456,000	8,059,000
Distillate fuel oil	70,274,000	71,657,000	73,579,000	81,757,000	90,324,000	90,715,000
Residual fuel oil	66,193,000	65,622,000	60,777,000	61,298,000	62,227,000	60,616,000
Lubricating oil	7,784,000	7,356,000	7,454,000	7,817,000	8,290,000	7,801,000
Paraffin wax	541,380	622,250	661,500	661,600	670,900	682,600
Coke	3,236,250	3,858,400	4,336,400	5,060,200	5,552,700	5,976,100
Asphalt	11,414,300	11,754,700	12,161,000	13,494,000	14,714,000	13,910,000
Road oil	1,113,300	1,049,000	1,147,500	1,349,400	1,277,000	1,147,000

(a) Information not available.

(b) Exports.

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

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Argentina—						
Aviation spirit	9,200	8,600	6,400	} 1,613,400	{ 31,800	41,400
Motor spirit	1,474,000	1,476,000	1,493,000			
Kerosine	738,000	818,000	806,000	} 1,139,800	{ 909,455	1,099,300
Gas oil	322,000	397,000	393,000			
Diesel oil	554,000	604,000	590,000	} 3,514,600	{ 406,591	444,000
Fuel oil	2,653,000	3,044,000	3,356,000			
Lubricating oil	108,000	86,000	103,000	96,600	130,600	135,300
Bolivia—						
Motor spirit	28,600	30,211	103,568	105,105	133,207	118,844
Kerosine	9,400	7,517	19,837	18,544	33,651	36,088
Diesel oil	6,500	8,479	30,327	31,362	49,636	55,200
Fuel oil	10,100	9,528	80,488	108,876	134,271	107,245
Brazil (b)—						
Motor spirit	54,600	85,300	102,700	1,293,300	2,058,100	2,065,090
Kerosine	10,600	15,900	18,100	12,000	28,700	169,270
Diesel oil	29,700	37,400	45,100	292,300	393,800	649,350
Fuel oil	57,100	87,500	131,500	1,503,000	2,270,000	2,512,400
Lubricating oil	600	600	—	—	—	550
Chile—						
Motor spirit	3,100	8,600	29,300	215,900	335,800	(a)
Kerosine	600	1,400	8,800	18,900	19,100	(a)
Gas and diesel oil	3,100	7,000	30,300	101,200	158,100	(a)
Fuel oil	4,100	6,700	500	297,300	320,400	(a)
Colombia—						
Aviation spirit	323	495	5,413	22,340	34,721	34,533
Motor spirit	257,801	251,463	315,833	542,483	552,373	645,212
Other spirit	8,600	9,000	8,700	10,000	10,900	12,300
Kerosine	50,936	55,382	53,046	124,026	144,999	160,636
do. Power	15,655	16,097	20,316	19,659	11,184	20,914
Diesel oil	88,427	104,458	135,479	199,048	272,788	344,862
Fuel oil	1,107,771	1,147,825	914,169	805,357	791,447	1,050,945
Lubricating oil	9,302	9,249	8,587	9,109	8,219	9,759
Coke	(a)	(a)	11,538	33,325	44,611	54,523
Asphalt	25,021	32,009	47,061	54,107	65,599	50,638
Ecuador—						
Motor spirit	66,970	67,460	74,895	76,174	78,289	73,771
Kerosine	18,106	21,040	23,484	25,000	27,338	28,000
Gas and diesel oils	39,740	45,130	46,708	46,376	48,809	48,710
Residual fuel oil	107,351	86,950	104,625	112,938	109,500	117,346
Peru—						
Motor spirit	488,396	481,120	538,923	545,410	563,258	(a)
Kerosine	206,539	239,148	288,420	322,764	350,818	(a)
Diesel oil	217,768	223,791	351,394	540,830	718,233	(a)
Fuel oil	856,604	846,489	682,471	456,866	340,889	(a)
Lubricating oil	10,124	7,707	9,808	10,134	10,823	(a)
Coke	11	164	243	529	132	(a)
Asphalt	29,104	35,334	27,434	29,649	38,102	(a)
Uruguay—						
Motor spirit	193,164	225,413	222,756	252,861	232,379	247,028
Kerosine	123,159	134,581	146,086	109,450	144,016	160,582
Gas oil	76,716	88,702	100,508	115,861	81,793	86,362
Diesel oil	51,735	52,834	53,336	47,088	37,396	26,989
Fuel oil	522,380	586,846	647,726	560,532	515,011	519,119
Venezuela—						
Motor spirit	2,218,105	2,572,199	2,543,974	2,974,373	3,223,827	3,891,035
Kerosine	539,283	594,874	708,295	959,911	825,836	1,111,262
Gas oil	909,506	812,041	1,366,145	2,177,662	2,156,828	} 6,500,068
Diesel oil	2,810,850	3,148,167	3,018,100	3,611,511	4,031,926	
Fuel oil	9,848,905	12,489,297	13,339,663	15,115,892	18,198,576	19,863,677
Lubricating oil	124,710	159,394	140,000	141,356	166,813	(a)
Asphalt	164,000	139,000	102,000	157,000	295,000	590,000

(a) Information not available.

(b) Revised.

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

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957			
FOREIGN COUNTRIES									
<i>(cont.)</i>									
Burma—									
Motor spirit	18,110	26,077	34,121	36,282	37,428	93,453			
Kerosine	21,374	22,908	29,266	30,601	34,693	59,359			
Jet fuel	—	—	—	—	—	154			
Diesel oil	23,541	27,902	33,522	36,855	37,642	59,924			
Fuel oil	29,044	35,038	40,187	40,261	42,783	73,144			
Paraffin wax	(a)	(a)	6,266	8,406	8,486	9,903			
Coke	—	—	—	—	—	5,593			
Formosa—									
Motor spirit	57,926	78,573	88,315	121,670	116,961	(d) 130,000			
Kerosine	32,131	28,050	32,344	30,617	25,708	(d) 29,000			
Jet fuel	(a)	(a)	(a)	60,354	107,550	(d) 83,000			
Diesel oil	38,778	37,994	71,793	93,561	93,219	(d) 113,000			
Fuel oil	104,121	120,948	168,805	274,280	306,594	(d) 293,000			
Asphalt	11,356	16,696	17,518	11,853	25,227	(d) 35,000			
Indonesia—									
Aviation spirit	369,318	378,474	293,245	286,638	267,588	255,980			
Motor spirit	2,189,616	2,180,468	2,133,418	2,244,876	2,134,279	2,108,884			
White spirit	(a)	(a)	(a)	(a)	76,693	(a)			
Kerosine	1,123,327	1,236,334	1,419,838	1,612,315	1,552,148	1,642,091			
Fuel oil, gas oil and diesel oil	5,166,777	5,609,913	5,749,078	5,905,991	6,245,847	} 6,620,839			
Lubricating oil	(a)	(a)	(a)	(a)	92,655				
Paraffin wax	99,753	110,019	116,970	120,020	103,899	91,430			
Asphalt	28,813	29,657	33,868	33,570	34,844	40,811			
Iran—									
Aviation spirit	}	}	(a)	43,000	300,000	484,000			
Motor spirit				1,090,000	1,740,000	2,015,000			
Kerosine				1,186,000	1,702,000	2,219,000			
Gas and diesel oils				985,000	1,808,000	2,514,000			
Fuel oil				3,303,000	4,511,000	6,592,000			
Lubricating oil				11,000	11,000	14,000			
Bitumen	—	—	(a)	64,000	213,000	194,000			
Iraq—									
Motor spirit	81,100	81,400	84,700	138,501	37,200	32,900			
Kerosine	89,100	99,300	107,400	157,640	38,800	29,900			
Gas oil	38,400	42,400	47,700	88,180	15,700	14,500			
Diesel and fuel oils	250,400	258,800	242,800	578,862	102,100	96,700			
Israel—									
Motor spirit	146,400	149,600	164,200	} 187,000	} 195,000	} 162,000			
Kerosine	106,800	90,800	135,300				137,000	126,000	135,000
Gas and diesel oils	125,400	149,800	175,200				217,000	185,000	223,000
Fuel oil	376,100	343,100	349,800				348,000	334,000	383,000
Bitumen	8,900	16,000	21,500				21,000	20,000	29,000
Japan—									
Motor spirit	1,001,504	1,231,220	1,448,661	1,775,295	2,189,277	2,721,725			
Kerosine (c)	88,944	287,017	411,236	473,683	728,797	975,126			
Gas oil	358,380	420,474	561,088	623,726	750,077	847,385			
Diesel oil	496,831	405,277	523,383	540,111	654,715	541,799			
Fuel oil	1,606,150	2,220,943	2,715,383	3,164,446	4,784,954	6,133,659			
Lubricating oils	204,672	278,839	300,240	321,298	394,058	443,576			
Paraffin wax	11,325	18,207	19,635	23,872	34,488	(a)			
Pitch	6,692	8,463	9,562	4,345	—	(a)			
Asphalt	95,290	132,047	159,361	176,837	205,361	(a)			
Lebanon—									
Motor spirit	112,212	109,756	129,342	155,884	176,178	176,000			
Kerosine	64,961	62,460	48,707	81,415	93,356	105,000			
Gas oil	90,982	86,841	82,253	165,064	205,207	238,000			
Diesel oil	—	—	—	12,676	4,580	—			
Fuel oil	116,559	218,830	233,514	429,545	448,205	479,000			

(a) Information not available.

(c) Including jet fuel.

(b) Revised.

(d) Estimated.

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

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Philippine Republic—						
Motor spirit	—	—	47,000	240,000	313,000	325,000
Kerosine	—	—	12,000	48,000	59,000	64,000
Gas and diesel oil	—	—	25,000	122,000	189,000	200,000
Fuel oil	—	—	49,000	177,000	182,000	249,000
Saudi Arabia—						
Motor spirit	1,407,409	1,523,734	1,457,063	1,272,883	1,247,673	1,021,997
Kerosine (b)	635,883	965,253	1,080,510	977,269	770,152	898,503
Diesel oil	2,191,605	2,347,067	2,411,195	2,075,023	2,058,911	1,499,077
Fuel oil	3,757,553	4,815,577	5,277,424	5,162,720	5,163,093	5,543,806
Asphalt	32,204	42,547	43,856	33,372	38,957	50,745
Turkey—						
Motor spirit	700	600	800	3,800	51,400	61,676
Diesel oil	2,700	3,700	3,800	7,700	17,600	15,383
Fuel oil	—	—	—	51,400	163,300	154,930
Asphalt	5,480	5,622	7,334	16,109	38,632	35,653

(a) Information not available.

(b) Including jet fuel.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Crude petroleum ..	—	—	24,312	61,256	61,954	14,464
Aviation spirit (bunkers) (c) ..	81,452	91,208	96,881	111,863	128,866	162,536
Aviation spirit ..				272,596	282,915	357,101
Aviation turbine fuel ..	356,601	1,009,595	1,457,555	106,163	205,505	181,059
Motor spirit ..				913,649	959,549	926,620
Other spirit ..	19,424	59,326	31,110	16,145	16,591	16,476
Kerosine, power do. other ..	109,572	150,534	218,221	45,465	42,449	74,672
Gas oil ..	356,563	942,630	940,957	154,281	163,467	140,839
Diesel oil ..	561,193	546,503	434,023	899,617	1,509,468	787,376
Fuel oil ..	3,709,988	4,315,616	4,129,012	399,545	461,140	388,310
do. (bunkers) (c) ..	3,451,551	3,633,975	3,867,479	2,843,214	3,229,733	2,763,437
Lubricating oil ..	192,546	186,161	248,014	4,125,987	4,492,791	3,520,974
Greases ..	15,404	13,580	17,492	342,699	410,022	382,085
Other refined oils ..	9,592	35,820	86,938	(d) 22,969	(d) 28,276	(d) 29,274
Other heavy oils ..				(a) 1,820	(a)	(a)
Mineral jelly ..	257	207	221	7,275	9,306	8,403
Paraffin wax ..	380	2,359	247	(a)	(a)	(a)
Malta (bunkers) (b)—				1,293	3,570	6,495
Aviation spirit ..	27,857	29,489	25,847	21,293	35,061	24,752
Aviation turbine fuel ..	7,708	7,640	12,693	12,792	38,503	38,497
Gas oil ..	2,427	3,219	4,139	2,354	2,605	1,299
Fuel oil ..	10,916	19,346	11,262	2,407	1,838	792
Ghana (bunkers) (b)—						
Aviation spirit ..	2,194	1,399	3,093	2,648	4,649	3,837
Gas oil ..	668	376	1,472	209	383	2,181
Diesel oil ..	2	—	238	57	—	4,727
Fuel oil ..	34,234	22,159	18,046	16,635	16,082	5,928
Kenya (bunkers) (b)—						
Aviation spirit ..	6,422	258	10	—	12,316	10,052
Motor spirit ..	28	13	16	5	3	2
Gas, diesel and fuel oils ..	136,740	115,813	111,659	102,985	139,542	187,373
Lubricating oil ..	297	304	264	359	427	364
Mauritius (bunkers) (b)—						
Aviation spirit ..	615	917	1,160	980	986	1,084
Fuel oils ..	4,466	8,413	5,266	7,506	9,988	9,797
Nigeria (bunkers) (b)—						
Diesel oil ..	35	14	94	134	10	380
Gas oil ..	2,375	1,734	1,206	1,256	977	1,044
Fuel oil ..	6,782	6,753	6,141	11,115	7,537	6,666
Sierra Leone (bunkers) (b)—						
Aviation spirit ..	—	—	—	—	359	570
Fuel and diesel oils ..	5	6	11	46	57,865	235,586
Tanganyika (bunkers) (b)—						
Aviation spirit ..	763	22	—	—	1,240	610
Gas, diesel and fuel oils ..	1,371	1,507	661	58	84	13
Uganda (bunkers) (b)—						
Aviation spirit ..	1,604	346	—	—	2,788	3,631

*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 226).

(a) Information not available.

(c) Including foreign produce.

(b) Foreign produce. See imports.

(d) Including cable impregnating compounds.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES (cont.)						
Union of South Africa—						
Motor spirit	—	1	9,151	12,343	19,823	19,340
do. (bunkers) (b) ..	5,184	5,419	7,403	8,488	8,855	9,000
Diesel oil	—	—	15,653	49,058	40,896	47,395
do. (bunkers)	—	—	17,626	44,836	38,478	27,720
do. (bunkers) (b) ..	96,828	108,193	92,615	59,093	111,454	100,315
Fuel oil	—	—	58,687	21,190	15,015	66
do. (bunkers)	—	—	67,039	182,866	286,493	249,926
do. (bunkers) (b) ..	257,270	246,493	220,603	170,664	344,804	786,222
Asphalt and bitumen ..	1,938	1,813	4,482	18,952	30,605	32,286
Canada—						
Crude petroleum	180,311	317,382	296,829	1,877,718	5,431,403	7,047,371
Motor spirit	105,190	546	50,384	41,750	88,635	138,185
Kerosine, etc.	10	7	13	21	116,053	137,454
Fuel oil	551	22,975	6,471	75,048	127,214	164,923
do. (bunkers)	1,001,187	1,151,597	966,169	1,116,691	1,191,096	(a)
Diesel oil (bunkers) ..	198,284	193,350	188,078	234,748	236,621	(a)
Lubricating oil	352	103	167	229	485	1,759
Other oils	50	35	—	91	41	10
Mineral wax	911	235	625	81	105	146
Petroleum coke	50,440	33,380	40,759	53,773	31,369	38,462
Natural gas (million cu.ft.)	8,145	9,629	7,148	11,357	10,828	15,731
British Guiana (b)—						
Aviation spirit (bunkers)	351	353	269	339	347	345
British West Indies—						
Bermuda (bunkers)(b)(d)—						
Aviation spirit	30,394	33,675	44,734	47,642	65,273	76,385
Motor spirit	—	44	603	629	559	968
Aviation turbine fuel	(a)	(a)	1,791	946	1,198	16,591
Kerosine	—	450	547	405	532	533
Fuel oil	13,448	10,743	4,991	33,440	31,111	25,907
Diesel oil	410	534	3,085	2,013	2,954	3,057
Lubricating oil	7	468	563	571	2	974
Jamaica (bunkers) (b)—						
Aviation spirit	(a)	(a)	2,164	9,786	5,083	371
Gas oil (c)	35,590	27,025	1,957	4,755	1,077	576
Diesel oil (c)	23,636	41,096	13,868	136,846	14,568	25,656
Fuel oil (c)	139,811	203,509	68,531				56,163	80,407
Trinidad and Tobago—						
Crude petroleum	279,056	324,325	426,563	399,878	540,803	461,099
Aviation spirit	196,216	183,915	180,403	201,471	271,304	358,321
do. (bunkers)	11,488	7,931	8,223	7,507	8,678	12,365
Motor spirit	554,060	720,760	758,568	766,236	943,021	870,379
do. (bunkers)	15,525	20,077	105	6,984	268	1,802
Kerosine—Power	481,789	422,559	381,275	286,479	352,654	345,665
do. (bunkers)	4,319	7,801	1,550	3,154	13	39
Kerosine—other	107,494	74,399	60,818	87,661	74,147	100,523
do. (bunkers)	98	1,176	296	248	398	218
Gas oil	323,671	373,123	274,904	463,273	486,313	737,067
do. (bunkers)	41,786	49,588	56,865	53,390	150,367	75,200
Diesel oil	95,333	25,554	165,531	337,294	408,908	322,438
do. (bunkers)	210,518	263,477	241,708	221,394	599,807	488,659
Fuel oil	1,145,397	1,424,718	1,454,165	1,613,586	3,085,198	1,925,735
do. (bunkers)	1,281,811	1,082,402	892,934	809,936	1,584,984	2,012,484
Lubricating oil	110	136	158	99	164	251
Road oil	14,604	22,281	17,798	22,404	21,443	84,252
Asphalt—						
Crude	—	1	—	27	43,500	—
Dried	46,120	42,510	51,035	49,722		
Asphalt cement	58,440	33,805	22,587	13,107			10,759	12,705
Bituminous asphalt ..	109,901	97,796	152,524	103,508	80,649	75,778

(a) Information not available.

(b) Foreign produce. See imports.

(c) Figures for 1952 to 1953 relate to the quantities imported for bunkers. The amounts actually shipped are not available.

(d) Including bunkers for military forces.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Falkland Islands—						
(bunkers) (f)—						
Fuel oil	31,409	21,880	11,550	11,693	8,737	4,497
Aden—						
Aviation and motor spirits	—	—	—	601,085	680,815	635,349
Kerosine	—	—	—	335,087	309,285	262,829
Gas diesel, fuel oils	—	—	—	960,871	1,550,686	1,404,883
Fuel oil (bunkers) (f)	2,622,960	2,743,170	2,900,551	^h 3,090,063	^h 2,514,938	^h 2,101,173
Bahrain Islands (e)—						
Aviation spirit	} 2,200,215	} 2,014,980	} 24,000	} 15,700	} 20,400	} 21,000
Motor spirit						
Aviation turbine fuel	(a)	(a)	} 1,028,600	} 259,600	} 386,400	} 306,000
Kerosine	1,074,630	771,990				
Process oil	(a)	(a)	166,800	278,900	208,100	15,000
Diesel oil	1,148,325	1,324,640	1,576,300	1,683,900	1,612,600	1,740,000
do. (bunkers)	153,985	200,070	201,900	196,200	159,400	156,000
Fuel oil	3,438,750	3,640,770	3,742,200	3,352,200	3,692,300	3,602,000
do. (bunkers)	590,245	652,815	639,000	621,800	599,100	730,000
Asphalt	(a)	(a)	107,100	124,300	103,300	97,000
British Borneo—						
Brunei—						
Crude petroleum (b)	4,990,194	4,799,473	4,704,488	5,108,970	5,526,505	5,371,788
Natural gas (million cubic feet)	1,670	2,059	2,354	2,617	3,245	2,545
Sarawak—						
Crude petroleum (c)	3,077,254	2,789,506	2,892,768	3,182,883	3,439,401	3,545,722
Motor spirit (d)	283,262	307,591	33,168	133,258	288,985	202,679
Kerosine	—	152	194	64	37	6
Gas oil	6,277	6,975	8,507	55	—	48,991
Diesel oil	1,475,306	1,582,261	} 1,171,888	} 1,228,285	} 1,057,708	} 975,690
Fuel oil						
do. (bunkers) (g)	109,843	120,904	421,668	452,539	636,487	560,134
Ceylon (bunkers) (f)—			134,358	127,787	148,732	140,792
Aviation spirit	3,040	3,030	3,618	3,998	3,614	4,478
Gas oil	1,320	1,295	2,153	14,698	20,219	4,030
Diesel oil	63,485	72,845	68,922	60,938	79,572	76,915
Fuel oil	477,744	413,133	378,580	393,971	472,629	540,096
Cyprus (bunkers) (f)—						
Aviation spirit	3,680	5,042	6,477	5,492	5,696	2,855
Hong Kong (re-exports)—						
Motor spirit	3,271	1,590	955	1,195	1,691	868
Kerosine	3,023	1,587	2,268	2,661	3,139	2,212
Diesel oil and gas oil	5,653	5,133	4,154	5,546	6,192	5,538
Fuel oil	192	30	75	20	134	233
Lubricating oil	479	484	434	144	6,534	893
Greases	40	33	9	7	2	5
Petroleum jelly	40	120	74	19	114	194
Paraffin wax	728	62	38	43	138	316
Asphalt and bitumen	381	1,079	21	220	616	30
India—						
Aviation spirit (bunkers)						
Domestic produce	852	—	8	45	—	(a)
Foreign produce	13,779	20,852	25,849	27,235	32,062	(a)

(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.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
India—(cont.)						
Motor spirit	—	—	—	58,862	21,230	} 146,469
Other spirit	74	35	81	90,896	61,540	
Fuel oil (bunkers)						
Domestic produce	—	—	—	4,388	348,265	(a)
Foreign produce	80,594	189,173	237,296	280,420	693,699	(a)
Paraffin wax	21,222	23,121	25,376	24,627	27,450	25,594
Kuwait (e)—						
Crude petroleum	35,771,961	41,034,474	45,483,146	52,258,203	52,890,137	54,910,338
Export distillate	191,962	222,726	182,456	180,817	101,168	109,376
Diesel oil	3,058	—	11,171	9,962	3,723	—
do. (bunkers)	181,361	246,186	228,104	258,096	253,367	233,945
do. do. (d)	(a)	—	5,976	10,939	57,907	196,302
Fuel oil	72,558	9,038	—	—	—	—
do. (bunkers)	717,427	837,596	857,043	854,901	853,200	822,090
do. do. (d)	(a)	107,001	149,011	259,422	490,426	1,251,685
Malaya (including re-exports)—						
Crude petroleum	(f)	(f)	(f)	(f)	707,202	772,776
Aviation spirit	128,910	172,335	237,437	209,711	221,301	196,720
do. do. (bunkers)	11,939	11,913	8,456	9,570	12,170	15,169
Motor spirit	735,916	883,697	904,500	853,652	899,912	847,002
White spirit	(a)	33,345	50,731	72,248	79,652	75,495
Aviation turbine fuel	(a)	2,063	149	556	67	18,396
Kerosine Power	139,555	88,746	97,426	59,083	70,314	63,884
do. Other	235,233	301,127	330,815	307,154	311,862	241,564
Gas oil	301,712	360,542	392,628	300,603	365,030	424,069
Diesel oil	443,777	314,419	300,834	333,940	348,272	250,013
Fuel oil	(c) 423,425	(c) 500,237	(c) 458,273	(c) 1,037,318	580,892	445,012
Fuel and diesel oil (bunkers)	1,298,228	1,438,648	1,679,575	1,761,913	2,025,148	2,228,583
Lubricating oil	4,097	4,740	5,877	6,165	5,851	6,522
Petroleum jelly	142	53	41	82	69	27
Grease	96	260	327	320	370	349
Paraffin wax	1,280	469	232	260	42	5,956
Asphalt and bitumen	5,959	8,670	10,168	3,998	132,392	98,399
Qatar (e)—						
Crude petroleum	3,199,360	3,902,595	4,595,710	5,262,366	5,664,119	6,447,000
Australia (b)—						
Aviation spirit	57	441	57	—	—	3,674
do. do. (bunkers)	53	8	846	1,808	1,116	3,955
do. do. do. (d)	10,304	7,630	11,691	16,138	16,902	15,837
Motor spirit	441	1,500	1,175	43,887	124,873	75,455
Kerosine	236	1,120	621	562	23,485	17,715
Lubricating oil	1,507	1,778	1,383	1,055	3,701	5,684
Diesel and fuel oils	1,338	2,032	625	129,387	431,404	571,820
Fuel oil (bunkers) —						
Domestic produce	29,935	40,247	45,700	207,057	473,017	582,896
Foreign produce	432,110	387,083	376,788	336,446	74,207	19,200
Fiji (bunkers) (d)—						
Aviation spirit	3,739	5,862	5,809	10,313	9,008	14,779
Diesel oil	1,085	1,198	3,610	4,422	3,466	4,442
Fuel oil	725	—	619	77	598	48
New Zealand (bunkers) (d)—						
Aviation spirit	5,201	4,861	4,741	5,057	5,175	6,112
Diesel oil	16,454	15,127	13,939	9,658	16,319	19,940
Fuel oil	38,983	15,251	14,993	12,394	9,268	10,617
Lubricating oil	836	750	761	787	1,053	1,137

(a) Information not available.

(c) Includes crude petroleum, if any.

(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.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
Irish Republic (bunkers)						
(c) (e)—						
Aviation spirit	3,024	4,115	3,017	2,597	3,358	3,293
Fuel oils	35,508	32,152	31,358	46,573	50,308	26,255
FOREIGN COUNTRIES						
Austria—						
Crude petroleum	—	—	—	10,068	49,371	221
Motor spirit	(a)	—	—	11,807	10,613	1
Kerosine	—	—	—	14,821	37,299	10,003
Gas oil	14,053	61,424	92,137	121,736	322,500	265,534
Fuel oil	13,941	12,168	2,036	—	2,507	8
Lubricating oil, etc. ..	330	207	34	1,982	1,530	791
Belgium-Luxemburg						
E.U.—						
Crude petroleum	6,697	3	2	31,309	93,142	48,011
Motor spirit	262,529	279,186	186,242	306,447	392,538	299,524
Kerosine	26,529	40,344	61,572	104,293	123,015	120,912
Gas oil	261,034	245,266	267,662	303,903	512,960	586,278
do. (bunkers) (b)	57,093	71,534	(d)	(d)	(d)	(d)
Fuel oil, etc.	806,525	836,790	1,000,813	965,321	1,094,607	932,591
do. (bunkers) (b)	407,600	375,417	425,196	557,450	728,087	530,143
Lubricating oil	49,131	50,175	65,940	83,772	94,181	85,471
do. (bunkers) (b)	3,723	3,651	4,218	4,740	5,961	6,410
Other heavy oils	559	192	183	4,161	85	2,588
Petroleum jelly	95	196	281	413	519	799
Paraffin wax	28	18	81	26	265	58
Ozokerite and ceresin (f)	20	10	32	58	68	67
Petroleum coke	—	—	9	2	3	493
Natural asphalt	495	335	524	723	643	748
Pitch	24,251	20,186	22,752	45,253	66,180	72,404
Denmark (bunkers)—						
Gas oil	(a)	(a)	193,772	39,554	32,669	37,571
Diesel oil				84,106	84,021	90,845
Fuel oil				125,328	112,528	114,154
France—						
Crude petroleum	16,103	49	3	—	2	19,365
Aviation spirit	674	1,369	1,239	364	10,222	23,015
Motor spirit	1,444,847	1,527,744	1,443,407	1,236,586	1,181,092	934,589
White spirit	31,991	5,155	7,337	5,514	4,346	2,719
Kerosine	291,309	263,768	396,966	433,897	411,121	353,688
Gas oil	1,681,587	1,195,427	1,240,730	1,602,954	1,582,802	1,049,345
do. (bunkers)—						
Domestic produce	235,993	243,207	259,003	324,867	312,409	351,634
Foreign produce	4,780	4,676	4,289	3,369	3,570	6,896
Fuel oil	2,690,297	3,425,431	2,337,678	1,759,040	1,293,518	1,113,190
do. (bunkers)—						
Domestic produce	1,742,193	1,640,843	1,531,187	1,736,721	1,809,496	1,454,753
Foreign produce	158,651	32,910	144,898	154,736	255,022	340,692
Lubricating oil	30,323	71,944	102,534	156,740	117,287	106,106
do. (bunkers)—						
Domestic produce	16,869	17,169	17,943	21,004	20,033	23,805
Foreign produce	4,727	3,988	3,324	3,297	2,525	5,238
Petroleum jelly	38	29	43	47	31	26
Paraffin wax	1,245	1,772	6,480	9,212	7,671	5,218
Ozokerite, ceresin, etc. ..	53	185	732	162	80	118
Petroleum coke	26	—	28	—	—	13
Asphalt and bitumen,						
natural	14,229	15,264	15,485	21,766	18,125	19,415
Mastic asphalt	13,134	9,670	10,910	6,440	4,448	5,727
Bitumen, etc.	154,204	187,283	229,649	194,203	115,547	126,218

(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): 1952—43,236; 1953—49,695; 1954—58,524; 1955—81,695; 1956—87,408; 1957—82,672.

(d) Included with fuel oil.

(e) Foreign produce. See imports.

(f) Including Montan wax.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Aviation and motor spirits	130,697	182,465	234,777	327,927	407,113	219,106
do. bunkers (e) .. .						
Kerosine	1,745	33,004	42,728	28,108	39,011	8,308
Gas oil	3,586	19,182	116,275	197,668	261,710	186,878
do. (bunkers) (b) .. .	—	109,585	227,806	303,253	376,151	345,430
Fuel oil	53,743	79,748	78,843	164,675	275,401	133,515
do. (bunkers) (b) .. .	84,532	233,809	510,511	736,297	932,319	739,188
Lubricating oil .. .	59,942	118,998	33,947	57,369	54,044	60,599
do. bunkers (e) .. .	(a)	3,563	6,369	8,118	9,152	10,718
Petroleum jelly .. .	338	869	3,336	3,975	5,544	6,166
Paraffin wax	5,084	12,550	17,712	25,062	28,795	24,476
Ozokerite, etc. .. .	408	539	436	248	138	101
Asphalt	1,455	1,090	1,281	1,320	1,888	2,511
Bitumen	21,681	37,958	34,913	33,475	30,478	26,431
Petroleum coke .. .	8,523	12,129	30,902	32,053	41,978	45,922
Germany (East)—						
Motor spirit	77,113	121,068	199,382	180,241	149,907	126,173
Diesel oil	103,300	137,874	218,892	269,900	203,163	294,004
Hungary—						
Motor spirit	39,258	18,271	11,149	14,728	12,763	68,288
Kerosine	55,462	29,278	24,365	29,987	9,425	13,865
Gas oil	51,443	60,141	41,796	61,355	14,962	99,563
Italy—						
Motor spirit	773,408	1,305,438	1,817,301	1,684,820	1,795,495	1,481,742
White spirit	1,264	2,798	5,238	7,994	32,887	22,582
Kerosine	311,958	450,250	608,105	446,116	432,584	301,828
Lubricating oil .. .	5,326	6,607	70,187	72,703	132,209	26,130
Gas oil	619,528	1,007,544	1,468,470	1,560,324	1,695,928	1,906,331
do. (bunkers) (b) .. .	35,357	77,859	112,643	84,324	100,922	
Fuel oil	943,271	1,421,631	1,583,414	1,139,080	679,609	1,225,652
do. (bunkers) (b) .. .	126,374	764,082	764,324	745,870	735,000	608,569
Paraffin wax	33	405	1,819	1,670	2,259	1,745
Asphalt and bitumen .. .	13,553	11,388	10,130	13,173	13,028	11,089
Pitch	27,459	28,743	68,785	60,237	72,349	74,278
Netherlands—						
Aviation spirit (bunkers)	19,052	17,947	23,343	22,105	27,044	33,412
Motor spirit	1,479,346	1,453,592	1,837,890	1,925,085	1,866,565	2,186,670
Kerosine	78,165	197,589	193,057	184,673	224,614	384,544
Gas oil	760,331	713,808	1,295,849	1,762,157	1,744,122	1,923,376
do. (bunkers) (c) .. .	363,650	435,867	477,672	584,421	681,975	657,846
Fuel oil	1,368,174	1,805,404	2,710,258	3,162,437	3,858,197	3,580,907
do. (bunkers) (c) .. .	908,209	854,041	1,032,748	1,566,116	1,830,248	1,600,581
Lubricating oil .. .	56,165	64,968	157,419	161,941	178,566	206,130
Petroleum jelly .. .	1,732	740	1,815	2,830	2,606	2,724
Paraffin wax	3,354	2,524	3,931	3,315	1,361	1,714
Ozokerite and ceresin (d)	373	375	459	773	1,259	1,711
Pitch	160,241	74,371	137,103	185,973	110,519	92,263
Natural asphalt .. .	—	—	1	26	5	10
Petroleum coke .. .	—	1,172	5,828	5,853	5,488	5,642
Norway—						
Motor spirit	714	193	316	880	917	607
Kerosine	3	2	13	21	565	60
Fuel oil and solar oil .. .	—	68	3,537	2,058	1,792	1,131
Lubricating oil .. .	3,008	3,124	6,124	8,886	9,508	8,997

(a) Information not available.

(b) Bunkers for foreign ships only.

(c) Including imported oil.

(d) Including montan wax.

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

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portugal (g)—						
Motor spirit	19,235	1,772	79,841	90,867	86,326	68,840
Kerosine	574	128	16,460	14,619	13,773	26,269
Fuel oil	30,816	2,914	145,807	102,605	92,194	86,125
do. (bunkers) (f) ..	781	185	76	990	11,074	3,568
Lubricating oil, etc. ..	310	351	444	741	1,101	1,606
Sweden—						
Motor spirit	1,442	1,296	5,127	51	33	2
White spirit	27	12	9	285	115	—
Kerosine	54	30	—	2,212	5	—
Fuel oil and gas oil ..	2	19	7,337	259	7,322	9,508
Lubricating oil	281	1,306	656	1,373	6,591	11,347
Paraffin wax	286	101	13	36	20	5
Asphalt	24	162	32	14	26	62
Pitch	6,416	11,990	14,973	13,210	17,385	22,412
Switzerland—						
Asphalt and bitumen ..	2,362	2,126	4,360	4,968	4,029	6,237
U.S.S.R. (h)—						
Crude petroleum				2,870,000	3,835,400	5,829,700
Motor spirit				1,382,500	1,418,600	1,678,400
Kerosine				630,500	712,600	893,800
Diesel oil				1,326,400	1,976,600	2,656,000
Fuel oil	(a)	(a)	(a)	1,476,500	1,766,300	2,158,200
Lubricating oil and grease				149,400	154,100	198,900
Paraffin wax				12,000	11,200	11,100
Bitumen				12,000	14,800	17,000
Yugoslavia—						
Motor spirit	(a)	—	—	—	5,570	41,417
White spirit	2,313	2,031	1,442	1,701	1,774	1,304
Power kerosine	(a)	—	—	—	3,556	6,383
Gas oil	25,878	15	10,856	7,411	15,582	14,985
Fuel oil	47,675	42,426	38,104	30,577	45,698	29,666
Mastic asphalt	(a)	—	1,214	1,920	6,749	—
Algeria—						
Crude petroleum	25,360	75,861	69,638	63,151	20,854	10,693
Motor spirit (b)	15,013	14,693	15,803	16,678	20,165	24,385
Fuel oil	403	424	87	126	33	2
Fuel oil and gas oil (b) ..	631,645	634,903	566,254	680,677	631,371	654,000
Lubricating oil	275	8	9	20	31	35
Canary Islands—						
Motor spirit		176,408	176,333	215,079	218,012	310,795
Kerosine		48,261	39,776	46,184	30,310	80,250
Diesel (e)		76,384	106,883	72,885	166,737	173,507
do. (bunkers) (e)		735,278	763,322	188,990	144,253	177,303
Fuel oil (e)	447,032	102,760	142,127	195,283	188,183	480,992
do. (bunkers) (e)	d1,459,369	833,272	850,693	230,360	290,005	318,616
Lubricating oil		1,960	804	724	12,548	10,506
Paraffin wax		175	1,122	1,047	589	523
Asphalt		52,786	65,094	79,290	108,626	117,633
Cape Verde Islands—						
Fuel oil (bunkers) (c) ..	356,379	457,797	690,849	440,514	433,702	529,433
Ceuta (c)—						
Diesel oil		1,070	1,084	2,715	76	7,214
do. (bunkers)		169,555	345,969	498,912	650,777	505,351
Fuel oil	(d)365,053	2,453	—	—	—	—
do. (bunkers)		73,832	—	—	—	92,923

(a) Information not available.

(b) Bunkers of foreign produce.

(c) Foreign produce. See imports.

(d) Bunkers.

(e) Including foreign produce.

(f) Bunkers for foreign ships only.

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

(h) May include some foreign produce.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Egypt—						
Motor spirit	970	1,445	1,503	3,118	2,500	1,000
Kerosine	26	—	55	537	22,000	3,000
Fuel oil, etc.	246	293	358	6,111	10,000	2,500
do. (bunkers) (c) ..	207,865	128,106	128,064	127,867	108,000	13,000
Lubricating oil	—	1	291	111	—	300
Asphalt, etc.	10,695	7,923	8,379	11,184	26,000	4,500
Morocco (Southern)—						
Crude petroleum	33,214	29,092	11,598	—	—	(a)
Sudan—						
Aviation spirit (bunkers) (b)	9,695	10,195	11,221	13,417	13,742	22,209
Tunis (bunkers)—						
Aviation spirit	(a)	4,258	4,053	1,894	3,201	3,907
Fuel oil	(a)	16	3	71	340	64
Mexico—						
Crude petroleum	1,769,355	525,990	658,889	748,801	827,438	413,435
Motor spirit	20,952	5,283	5,372	4,467	3,121	29,636
Kerosine	7,457	3,330	2,780	3,261	1,963	1,480
Fuel oil	298,192	1,636,669	2,560,283	3,042,433	2,724,602	1,625,788
do. (bunkers)	112,250	108,454	91,656	128,386	163,471	165,970
Gas oil	24,362	20,068	16,599	15,958	3,542	69,395
Netherlands West Indies—						
Crude petroleum	505,220	616,198	2,034,819	2,617,923	2,054,676	587,699
Aviation spirit	1,862,718	5,321,427	1,088,723	1,159,251	1,339,431	1,301,733
Motor spirit	3,381,874		4,164,594	3,245,143	2,623,820	2,438,893
White spirit	(a)	(a)	150,753	136,661	54,215	46,386
Kerosine	2,107,834	2,205,970	1,947,719	1,528,038	1,342,086	1,229,122
Aviation turbine fuel	(a)	(a)	678,138	1,227,937	1,620,798	1,859,385
Gas oil	1,657,804	1,719,253	2,556,367	2,822,938	2,556,587	2,744,541
Diesel oil	2,995,490	3,652,925	2,193,609	2,313,976	2,612,650	1,916,776
Fuel oil	29,910,999	24,434,938	21,331,257	23,154,116	24,999,904	22,928,528
Lubricating oil	429,572	505,412	548,009	635,615	688,656	602,087
Asphalt	531,393	487,729	582,145	702,881	617,596	683,698
United States—						
Crude petroleum	3,661,381	2,737,377	1,862,864	1,571,294	3,907,402	6,850,504
Natural gasoline	188,665	108,679	68,001	14,871	22,867	5,198
Aviation spirit	1,447,539	1,441,302	1,846,413	1,748,153	1,618,717	1,647,178
Motor spirit	1,481,933	1,622,647	858,972	869,571	1,057,336	1,447,482
Other finished light products	184,012	154,930	150,886	179,825	129,455	147,421
Kerosine	907,091	819,514	509,269	317,818	366,013	625,450
Aviation turbine fuel	(a)	52,243	18,827	15,307	23,224	13,043
Gas oil and distillate fuel oil	4,380,243	4,155,631	3,063,548	3,041,712	4,454,748	6,309,909
Residual fuel oil	3,273,737	2,905,061	2,967,464	4,011,414	3,230,246	4,794,343
Fuel oil (bunkers)	9,522,000	9,945,000	10,970,000	11,785,000	11,935,000	13,628,000
Lubricating oil	2,107,217	1,684,172	1,990,168	1,879,850	2,412,643	1,808,751
Transformer oil	27,886	23,923	26,367	20,130	28,347	27,370
Greases	59,656	43,156	54,524	58,300	56,717	58,842
Paraffin wax	121,684	128,615	151,943	137,121	93,515	107,623
Petroleum jelly	26,047	32,710	39,236	44,143	41,075	36,126
Asphalt and bitumen, natural	17,791	18,315	26,929	29,217	27,539	27,493
Other asphalt, etc.	346,053	247,562	259,399	239,752	210,144	250,748
Petroleum coke	743,531	645,060	573,883	797,026	1,138,544	924,288
Liquefied petroleum gases	199,478	250,612	330,083	357,003	360,614	382,908
Natural gas (million cu. ft.)	27,456	28,322	28,726	31,029	35,963	41,713
Argentina—						
Bitumen (Grahamite)	747	955	1,207	1,627	1,214	1,393

(a) Information not available.

(c) Bunkers for foreign ships only.

(b) Foreign produce. See imports.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (*cont.*)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Bolivia—						
Crude petroleum ..	—	739	10,001	58,583	68,054	131,886
Motor spirit	—	—	2,101	14,465	22,273	21,995
Kerosine	—	—	—	825	1,046	1,265
Chile—						
Crude petroleum ..	107,407	147,875	125,000	—	16,000	(a)
Colombia—						
Crude petroleum ..	4,380,915	4,534,737	4,270,262	3,537,395	4,027,967	3,867,611
Fuel oil	—	—	32,053	148,083	167,085	254,950
Ecuador—						
Crude petroleum ..	113,700	168,915	175,889	191,157	114,203	163,157
Peru—						
Crude petroleum ..	337,542	303,644	299,182	307,943	358,227	427,445
Natural gasoline ..	37,358	21,953	28,195	29,333	20,331	19,538
Aviation spirit	19,233	14,770	22,942	47,714	39,378	52,038
Motor spirit (c) ..	159,905	107,425	129,764	124,486	88,210	87,558
White spirit	502	688	2,405	2,279	642	9
Kerosine	36,647	36,386	65,666	93,454	96,860	129,508
do. Power	713	—	—	92	379	—
Gas oil (c)	60,007	52,711	110,569	252,513	315,712	133,192
Fuel oil and diesel oil	226,021	123,083	59,142	4,143	52,079	142,117
do. (bunkers) ..	68,888	49,846	43,287	23,675	24,268	29,775
Lubricating oil and grease	1,764	2,291	2,297	3,150	2,306	1,631
Asphalt	6	543	1,728	1,258	3,144	681
Uruguay (d)—						
Motor spirit	5,600	33,400	(a)	(a)	3,000	4,000
Kerosine	100	100	(a)	(a)	—	100
Gas oil and diesel oil	38,000	22,100	(a)	(a)	40,000	43,000
Fuel oil	172,000	179,000	(a)	(a)	225,000	179,000
Venezuela—						
Crude petroleum ..	75,042,078	68,649,905	74,440,279	83,680,811	96,222,721	108,400,000
Motor spirit	1,504,630	1,661,487	1,561,393	1,399,860	1,117,137	1,273,000
Kerosine	242,048	266,086	324,398	522,133	550,827	827,000
Gas oil	753,475	963,805	1,535,699	2,778,959	2,912,410	1,212,000
Diesel oil	1,748,326	1,574,141	1,378,675	1,471,623	1,558,871	3,585,000
Fuel oil	9,117,568	12,306,081	13,200,827	14,827,209	17,497,286	16,799,000
Lubricating oil ..	58,902	98,471	166,473	130,707	157,952	125,000
Asphalt	58,319	49,111	25,088	33,394	189,962	434,000
Indonesia—						
Crude petroleum ..	589,903	2,053,444	2,266,487	3,125,706	4,341,725	6,839,804
Motor spirit	1,974,055	1,958,757	1,765,941	1,707,863	1,485,427	1,816,272
White spirit	50,677	75,256	80,272	91,181	76,267	56,972
Kerosine	664,784	678,571	784,214	499,623	419,683	916,146
Gas and diesel oils ..	1,750,119	1,981,355	1,861,084	1,431,737	1,295,022	1,585,532
do. do. (bunker oil)	163,382	214,571	199,011	164,763	129,185	121,054
Fuel oil	2,071,739	1,999,014	2,229,700	2,005,813	2,084,163	3,536,477
do. (bunker oil) ..	355,660	533,960	435,654	349,417	375,370	408,247
Lubricating oil ..	85,993	84,646	64,269	84,722	92,378	23,480
Paraffin wax	51,558	40,528	75,278	77,153	61,817	62,778
Asphalt	199	156	42	15	15	—
Iran (b)—						
Crude petroleum ..	10,833	41,003	1,906,497	1,090,082	(a)	(a)
Motor spirit	438	144,285	167,070	62,426	(a)	(a)
Kerosine	1,538	358	141,529	79,970	(a)	(a)
Gas oil	262	—	66,924	35,727	(a)	(a)
Diesel oil	—	23,197	98,804	33,862	(a)	(a)
Fuel oil	117	25,653	999,280	154,651	(a)	(a)

(a) Information not available.

(b) Years ended March 20 following that stated.

(c) Including bunkers.

(d) Bunkers on foreign ships only.

EXPORTS OF PETROLEUM AND ALLIED PRODUCTS (*cont.*)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Iraq—						
Crude petroleum ..	17,626,590	26,985,727	29,184,942	31,643,663	29,169,832	19,938,000
Motor spirit	1,270	1,118	777	642	698	(a)
Kerosine	1,395	678	507	456	434	(a)
Bitumen	272	351	1,332	1	—	(a)
Japan—						
Aviation spirit (foreign produce) (c) ..	2,363	7,635	5,727	45,844	36,509	45,048
Fuel oil— (c)						
Domestic produce ..	275,248	335,502	175,511	170,744	227,919	136,919
Foreign produce ..	289,066	333,952	452,088	932,783	1,617,063	2,015,099
Paraffin wax	(a)	207	1,797	5,564	8,767	8,395
Asphalt and pitch ..	(a)	1,147	1,830	15,219	6,094	2,499
Lebanon—						
Fuel oils	3,728	3,244	2,827	1,642	—	—
Netherlands New Guinea—						
Crude petroleum ..	239,000	237,000	491,200	477,954	357,632	326,486
Neutral Zone (b)—						
Crude petroleum ..	—	—	812,000	1,126,000	1,650,000	3,242,000
Saudi Arabia—						
Crude petroleum ..	31,590,532	30,812,126	35,618,910	36,884,697	38,154,060	38,515,549
Syria—						
Diesel oil	—	—	2,354	5,044	—	—
Fuel oil	6,472	7,688	6,187	2,074	—	—
Natural asphalt ..	3,522	2,956	3,480	3,853	2,955	4,675

(a) Information not available.

(b) Neutral Zone of Kuwait and Saudi Arabia.

(c) Bunkers.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS*

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Crude petroleum ..	22,818,386	25,631,425	27,730,537	28,062,953	28,823,183	28,178,089
Aviation spirit (d) ..	400,973	502,448	319,348	256,796	337,000	334,192
Aviation turbine fuel ..				33,863	56,635	20,000
Motor spirit ..	1,236,809	1,091,901	1,025,115	1,492,997	1,568,954	1,967,228
Other spirit ..	177,264	291,803	161,983	116,182	158,682	275,385
Kerosine—Power ..	878,887	866,249	710,674	678,701	467,177	501,336
do. Other ..	591,096	512,076	592,925	(e) 387,099	(e) 296,865	490,284
Aviation jet fuel ..				(e) 467,851	(e) 608,167	473,621
Fuel oil (d) ..	1,096,312	963,472	1,593,909	2,305,769	3,070,979	3,875,850
Diesel oil ..	309,397	223,931	211,922	227,564	240,907	180,432
Gas oil ..	789,079	1,107,422	1,567,391	1,849,432	1,765,857	2,080,135
Lubricating oil ..	442,173	451,150	463,033	444,385	458,373	397,381
Mineral jelly ..	6,217	9,131	7,744	11,055	9,279	8,261
Paraffin wax ..	22,745	14,045	40,209	37,583	33,602	33,372
Other petroleum wax ..	3,050	4,498	7,757	7,604	8,327	6,985
Ozokerite ..	11	(c) 29	11	8	3	—
Petroleum coke ..	9,766	9,726	18,820	27,492	24,654	30,876
Asphalt and bitumen (f) ..	56,595	61,256	64,607	81,018	69,117	74,371
Channel Islands—						
Aviation spirit ..	1,943	2,554	2,568	3,131	3,902	4,448
Motor spirit ..	16,629	17,335	17,651	18,247	19,746	18,033
Other spirit (b) ..	89	82	80	68	71	68
Kerosine ..	2,361	1,810	1,988	1,816	2,460	2,102
Gas and fuel oil ..	24,820	26,314	27,289	32,826	41,776	40,918
Lubricating oil ..	966	1,016	1,108	1,242	1,273	1,067
Greases (b) ..	14	19	13	16	22	17
Gibraltar (g)—						
Motor spirit, fuel oil, etc. ..	5,828	5,174	5,000	5,000	5,000	5,000
Kerosine ..	386	244	217	269	299	288
Malta—						
Aviation spirit (d) ..	30,135	30,634	26,438	19,801	34,621	27,721
Motor spirit ..	18,972	15,807	15,831	21,572	18,174	18,251
Aviation turbine fuel (d) ..	10,787	7,729	12,731	5,926	5,161	4,002
Kerosine ..	15,676	25,781	29,422	35,988	57,202	62,287
Fuel oil (d) ..	24,211	31,729	30,865	31,316	32,082	38,080
Gas oil (d) ..	14,773	15,043	15,385	15,825	15,736	19,459
Lubricating oil ..	619	666	982	1,350	1,519	1,343
Gambia—						
Aviation spirit ..	(c) 125	(c) 707	926	(c) 1,270	477	669
Motor spirit ..	2,179	1,161	1,994	2,271	2,221	2,858
Kerosine ..	560	406	549	563	645	576
Gas and diesel oil ..	1,398	1,394	1,710	1,844	2,377	3,167
Lubricating oil ..	224	51	167	232	243	262
Asphalt and bitumen ..	473	104	82	256	4	—
Ghana—						
Aviation spirit (d) ..	3,924	3,413	1,323	3,197	3,565	6,253
Motor spirit ..	74,489	82,126	96,914	106,724	110,119	132,464
Kerosine ..	24,236	29,116	24,215	34,806	27,098	39,767
Fuel oil (d) ..	38,042	30,327	30,350	49,925	42,979	42,041
Gas oil (d) ..	63,504	79,054	51,658	50,087	66,925	85,258
Diesel oil ..	—	2,600	28,045	57,735	24,890	29,822
Lubricating oil ..	8,003	4,887	9,179	11,547	9,832	11,020
Asphalt and bitumen ..	17,208	9,693	11,280	17,847	13,355	17,641

*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.*)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Kenya—						
Aviation spirit (b) ..	14,888	8,120	24,110	11,351	17,581	13,514
Motor spirit (b) ..	96,987	78,559	97,493	121,169	118,340	100,263
Kerosine—Power ..	12,609	10,043	11,423	11,402	12,566	12,221
do. Other ..	21,782	16,830	25,870	21,181	23,699	26,885
Gas, diesel, fuel oils (b)	488,982	475,464	484,711	548,235	608,484	630,404
Lubricating oil (b) ..	15,229	5,466	7,563	12,557	8,279	8,906
Greases ..	970	600	704	549	621	659
Petroleum jelly ..	214	25	50	181	425	(d) 75
Paraffin wax ..	267	—				
Asphalt ..	(a)	(a)	7,196	10,627	14,372	13,607
Mauritius—						
Aviation spirit (b) ..	1,233	939	705	1,171	1,191	1,389
Motor spirit ..	15,171	16,264	18,951	16,682	25,802	24,275
Kerosine ..	2,824	2,776	3,726	3,004	4,525	3,548
Lubricating oils ..	1,493	1,507	1,667	1,283	1,424	1,444
Gas, diesel, fuel oils (b)	16,089	17,231	14,229	12,785	22,992	27,699
Grease ..	174	176	136	137	150	109
Asphalt and pitch ..	3,746	1,887	1,498	2,474	1,613	4,766
Nigeria—						
Aviation spirit ..	11,594	14,656	16,433	16,386	15,046	28,194
Motor spirit ..	82,355	106,958	138,833	135,044	166,237	161,126
White spirit ..	(a)	(a)	182	118	97	142
Aviation turbine fuel ..	(a)	(a)	2,700	2,583	(d) 44	4,303
Kerosine ..	43,292	44,700	49,936	52,212	70,049	62,768
Gas oil (b) ..	8,561	15,434	20,120	24,913	29,235	27,327
Diesel oil (b) ..	15,816	19,244	13,686	23,293	49,889	57,560
Fuel oil (b) ..	21,587	19,052	22,105	39,563	29,917	37,067
Lubricating oil ..	10,443	5,446	8,076	10,733	9,172	13,082
Greases ..	(a)	(a)	407	484	426	457
Petroleum jelly ..	(a)	(a)	193	114	131	213
Asphalt and bitumen ..	20,852	11,482	17,036	21,722	13,356	11,838
Northern Rhodesia—						
Aviation spirit ..	3,654	3,142				
Motor spirit ..	32,606	36,906				
Kerosine—Power ..	3,714	2,912				
do. Other ..	3,346	3,774	(c)	(c)	(c)	(c)
Fuel oil ..	12,449	16,693				
Lubricating oil ..	3,072	3,874				
Asphalt and bitumen ..	4,672	1,341				
Nyasaland—						
Motor spirit ..	9,405	9,964				
Kerosine ..	2,052	2,299	(c)	(c)	(c)	(c)
Fuel oil ..	6,031	5,653				
Lubricating oil ..	1,070	829				
St. Helena—						
Motor spirit ..	256	105	231	206	252	(a)
Kerosine ..	109	78	90	78	95	(a)
Diesel oil ..	91	70	221	36	222	(a)
Lubricating oil ..	14	6	28	6	18	(a)
Seychelles—						
Motor spirit ..	308	371	329	228	396	208
Kerosine ..	263	251	257	222	210	265
Fuel oil ..	98	207	205	186	311	196
Lubricating oil ..	47	26	(a)	(a)	(a)	(a)
Sierra Leone—						
Aviation spirit (b) ..	221	337	748	695	911	(d) 185
Motor spirit ..	6,301	7,031	6,809	9,997	14,073	17,886
Kerosine ..	5,936	6,605	8,235	7,987	9,365	12,743
Gas oil (b) ..	4,596	4,204	4,718	5,771	4,857	3,987

(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.*)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Sierra Leone (<i>cont.</i>)—						
Diesel oil (<i>d</i>)	2,277	762	1,466	466	20,082	81,330
Fuel oil (<i>d</i>)	3,892	6,318	5,261	7,186	45,439	237,855
Lubricating oil.. ..	1,088	882	616	980	1,423	1,334
Asphalt and bitumen ..	178	336	1,071	1,011	2,094	2,211
Somaliland Protectorate—						
Aviation and motor spirit	3,236	3,228	3,075	3,442	3,534	3,628
Kerosine	454	696	564	603	532	598
Gas oil and diesel oil ..	984	670	730	878	957	1,765
Lubricating oil	107	146	76	131	146	170
Southern Rhodesia (<i>b</i>)—						
Aviation spirit	9,491	6,269	11,209	12,552	12,541	12,331
Motor spirit	99,341	103,577	175,298	188,216	215,328	221,074
Kerosine—Power	18,545	18,892	21,862	21,324	20,234	16,461
do. Other	9,089	8,012	17,073	17,274	21,260	20,085
Fuel oil	28,327	34,667	71,646	87,532	140,169	150,328
Lubricating oil	11,494	6,342	16,238	18,512	17,582	21,874
Other petroleum products	851	671	2,556	3,665	6,780	13,235
Greases	(<i>a</i>)	(<i>a</i>)	1,417	(<i>c</i>) 2,243	(<i>c</i>) 1,915	(<i>c</i>) 2,456
Paraffin wax	482	520	841	743	1,090	1,435
Asphalt and bitumen ..	18,436	7,473	16,298	26,457	22,801	27,426
South West Africa—						
Motor spirit	19,179	27,697	28,611	} (<i>e</i>)	} (<i>e</i>)	} (<i>e</i>)
Kerosine—Power	2,304	2,922	2,666			
do. Other	4,890	3,457	3,825			
Diesel oil	23,181	30,317	35,943			
Lubricating oil.. ..	2,655	1,866	2,224			
Asphalt and bitumen ..	732	31	767			
Tanganyika—						
Aviation spirit (<i>d</i>)	2,998	3,813	1,413	3,275	3,513	3,614
Motor spirit	41,241	49,274	52,404	53,318	65,514	75,019
Kerosine—Power	3,371	2,334	1,829	1,556	1,279	1,799
do. Other	16,417	14,862	16,043	23,150	19,814	29,129
Gas, diesel, fuel oils (<i>d</i>)	46,665	54,876	63,788	98,829	125,588	145,554
Lubricating oil.. ..	9,212	2,746	4,239	7,234	5,285	4,716
Greases	588	453	261	412	448	374
Petroleum jelly.. ..	54	20	} 34	} 72	} 75	} 43
Paraffin wax	2	—				
Asphalt	(<i>a</i>)	(<i>a</i>)	4,246	7,165	7,727	4,630
Uganda—						
Aviation spirit (<i>d</i>)	2,149	4,346	4,538	6,875	4,187	4,269
Motor spirit	35,481	41,720	44,398	54,547	54,997	55,057
Kerosine—Power	3,027	5,299	1,191	1,015	1,794	2,340
do. Other	8,806	13,252	15,877	18,054	21,007	19,422
Gas, diesel, fuel oils	23,663	35,759	25,237	29,021	30,536	37,815
Lubricating oil.. ..	2,541	2,316	3,560	4,110	3,590	3,245
Greases	159	193	259	288	404	295
Petroleum jelly.. ..	30	26	} 61	} 52	} 43	} 51
Paraffin wax	1	3				
Asphalt	(<i>a</i>)	(<i>a</i>)	1,741	1,914	1,346	3,647
Union of South Africa—						
Crude petroleum	—	28,908	773,151	1,007,895	1,038,216	730,650
Motor spirit (<i>d</i>)	1,124,985	1,187,412	978,807	1,031,523	1,116,556	701,693
Other spirit	12,281	9,925	15,189	15,072	16,387	18,069
White spirit	19,754	22,511	21,436	30,957	26,545	27,369
Kerosine—Power	270,331	307,316	346,112	327,043	332,542	315,195
do. Other	152,242	148,387	152,557	147,250	155,621	144,555
Gas oil	} 393,459	} 380,898	} 348,948	} 312,237	} 422,964	} 453,928
Diesel oil (<i>d</i>)						
				80,994	133,337	165,238

 (*a*) Information not available.

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

 (*c*) Including mineral jelly.

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

 (*e*) Included with Union of South Africa.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (*cont.*)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Union of South Africa						
<i>(cont.)—</i>						
Fuel oil (<i>d</i>)	324,974	245,917	198,378	166,048	415,739	712,345
Lubricating oil	93,812	69,293	96,675	125,249	105,058	127,327
Transformer oil	4,364	5,332	3,910	4,790	4,602	4,815
Road oil	857	5,504	3,002	2,881	1,831	895
Other oils	1,737	1,880	2,656	3,411	4,120	3,328
Paraffin wax	16,157	14,535	17,895	20,727	19,264	(<i>a</i>)
Asphalt and bitumen	46,064	38,981	28,860	35,638	32,960	33,506
Petroleum jelly	2,498	2,491	3,395	3,191	3,291	3,122
Zanzibar—						
Aviation and motor spirit	3,427	354	3,810	4,174	4,303	4,235
Kerosine, etc.	2,796	3,144	2,865	3,214	3,541	3,595
Fuel oils	1,790	2,259	748	2,079	2,461	2,996
Canada—						
Crude petroleum	11,599,948	11,353,974	11,253,182	12,382,567	15,210,002	15,986,496
Tops for refiners	197,467	273,592	14,177	14,536	21,807	—
Aviation spirit	229,933	253,528	262,180	345,613	327,639	372,086
Motor spirit	582,858	694,252	437,721	335,995	333,687	299,827
Kerosine, etc.	123,560	97,916	69,279	44,454	73,284	58,685
Lubricating oils	125,158	139,767	138,268	177,701	176,010	162,499
Diesel oil	336,738	277,993	247,493	318,794	263,196	223,536
Fuel oil	2,737,930	2,709,382	3,159,639	3,368,011	3,361,871	3,034,524
do. (<i>c</i>)	64,995	78,319	34,340	7,115	—	223
Other petroleum oils	10,590	11,147	8,054	7,088	7,525	6,957
Liquefied petroleum gas	85,581	117,442	118,446	99,207	91,442	96,983
Grease	8,109	9,015	6,333	8,352	8,136	7,860
Paraffin wax, etc.	13,627	16,574	15,418	19,164	19,316	19,405
Asphaltum oil, etc.	—	—	641	283	304	2,038
Asphalt	9,805	20,175	27,963	25,707	28,908	38,242
Petroleum coke	255,460	260,658	254,713	361,352	394,286	382,295
Other products	23,729	58,284	44,930	57,189	86,214	75,035
Natural gas (<i>million cubic feet</i>)	5,982	6,097	6,236	11,166	15,695	30,551
British Guiana—						
Aviation spirit (<i>d</i>)	1,386	292	530	3,098	1,225	1,195
Motor spirit	10,322	10,962	12,843	13,973	16,005	16,946
Kerosine	4,233	6,074	7,659	9,048	10,224	11,771
Gas, diesel and fuel oils	91,848	126,387	128,516	139,352	149,233	140,562
Lubricating oil	2,842	1,416	2,426	2,037	1,766	2,449
Paraffin wax	22	10	21	12	12	11
Petroleum jelly	(<i>a</i>)	(<i>a</i>)	66	16	67	38
Road oil	(<i>a</i>)	(<i>a</i>)	786	590	785	1,108
Asphalt and bitumen	(<i>a</i>)	(<i>a</i>)	244	401	250	295
Asphalt natural	224	349	389	263	347	137
British West Indies—						
Bahamas—						
Motor spirit	11,905	12,308	12,921	17,262	16,990	23,164
Kerosine	3,440	3,895	3,978	4,418	5,316	6,487
Fuel oils (<i>b</i>)	12,845	13,817	14,237	22,104	23,329	24,629
Lubricating oil	644	344	376	484	612	808
Barbados—						
Crude petroleum	5,711	8,398	8,338	5,680	8,204	6,719
Aviation and motor spirit	9,420	9,182	10,792	11,238	12,274	10,494
Kerosine	5,765	6,195	8,105	8,449	9,359	8,952
Gas oil and diesel oil	3,135	6,880	7,420	8,740	7,067	3,803
Fuel oil	—	—	—	—	—	7,728
Lubricating oil	574	584	547	758	672	709
Road oil	57	18	2,182	75	41	17

 (*a*) Information not available.

 (*b*) Total imports.

 (*c*) Ex warehoused, for ships' stores.

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

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies—						
<i>(cont.)</i>						
Bermuda (b)—						
Aviation and motor spirits	37,198	50,111	46,726	56,308	77,397	88,560
Aviation turbine fuel	(a)	(a)	5,978	4,516	5,905	5,005
Kerosine	1,467	1,776	1,848	1,595	2,878	4,654
Diesel oil	17,400	13,415	19,119	14,640	18,537	19,157
Fuel oil	19,005	16,117	5,791	21,808	10,227	25,232
Lubricating oil	1,162	988	1,030	777	409	687
Asphalt	2,164	634	1,319	1,338	640	1,584
Cayman Islands—						
Motor spirit	216	268	300	414	783	946
Kerosine	173	190	216	216	219	331
Dominica—						
Motor spirit	603	647	686	841	(a)	(a)
Kerosine	73	430	455	446	(a)	(a)
Fuel oil and diesel oil	502	480	464	428	(a)	(a)
Lubricating oil	50	40	48	41	(a)	(a)
Road oil	(a)	34	56	(a)	(a)	(a)
Grenada—						
Motor spirit	1,676	1,652	1,839	2,010	2,278	(a)
Kerosine	812	891	933	1,005	1,021	(a)
Fuel oil	415	434	651	794	956	(a)
Lubricating oil	77	35	62	103	100	(a)
Road oil	463	391	464	446	467	(a)
Jamaica (c)—						
Aviation spirit (b)	11,111	12,200	14,628	17,118	19,185	18,688
Motor spirit	38,444	40,479	45,496	40,810	49,737	55,959
Kerosine	11,410	13,068	15,273	16,980	20,155	22,301
Gas oil (b)	35,590	30,296	27,677	22,445	(d) 5,734	47,520
Diesel oil (b)	23,636	47,315	44,190	35,318	56,393	75,073
Fuel oil (b)	139,817	203,509	265,326	206,767	309,897	391,612
Lubricating oil	2,772	2,744	3,169	3,819	4,146	3,796
Grease	336	262	208	290	327	480
Petroleum jelly	127	156	168	111	147	159
Paraffin wax	70	28	26	29	22	16
Natural asphalt	2,902	6,879	5,201	7,037	7,684	8,613
Leeward Islands—						
Motor spirit	2,443	1,316	1,404	3,298	3,000	(a)
Kerosine	1,328	1,595	1,340	2,659	1,542	(a)
Gas oil	972	3,260	2,437	1,148	1,067	(a)
Diesel oil	1,056	127	1,386	1,778	2,359	(a)
Fuel oil	459	132	177	492	246	(a)
Road oil	522	806	1,005	355	586	(a)
Lubricating oil	214	176	200	561	199	(a)
St. Lucia—						
Motor spirit	941	1,950	868	920	1,091	1,048
Kerosine	417	409	454	500	866	531
Fuel oil	729	659	723	1,228	5,051	1,946
Lubricating oil	89	55	66	105	106	106
Road oil	392	786	604	714	906	1,020
St. Vincent—						
Motor spirit	786	878	918	1,051	1,142	(a)
Kerosine	494	550	569	603	547	(a)
Gas, diesel and fuel oils	530	359	253	163	90	(a)
Lubricating oil	64	51	61	70	67	(a)
Road oil	146	162	198	200	221	(a)
Asphalt, tar and pitch	1	4	6	5	2	(a)

(a) Information not available.

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

(c) Total imports 1952 to 1953.

(d) Excess of re-exports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
British West Indies						
<i>(cont.)—</i>						
Trinidad and Tobago—						
Crude petroleum ..	2,314,096	2,306,232	2,324,496	2,481,671	2,561,513	2,556,239
Aviation and motor spirits	3,148	29,634	4	233	8	(c) 8
Kerosine	3	—	—	—	—	4,401
Gas oil	—	—	26,753	113,315	75,966	57,523
Fuel oil	194	3,135	2	3	3	(c) 305
Lubricating oil ..	3,951	3,235	4,468	4,168	4,398	8,853
Greases	448	230	301	370	320	6,039
Petroleum jelly ..	101	118	66	91	123	62
Paraffin wax ..	21	18	21	14	5	8
British Honduras—						
Aviation spirit ..	198	(c) 112	587	383	(c) 484	(a)
Motor spirit	4,042	3,928	3,887	3,859	4,249	(a)
Kerosine	1,826	1,750	1,627	2,042	2,160	(a)
Diesel and fuel oils ..	2,681	2,944	3,645	3,926	3,417	(a)
Lubricating oil ..	270	375	236	427	525	(a)
Asphalt	990	1,620	1,272	491	188	(a)
Falkland Islands—						
Motor spirit	159	135	236	255	250	210
Kerosine	125	59	106	127	94	11
Gas and diesel oils ..	996	898	1,088	2,383	772	8,454
Fuel oil (b)	111,617	54,398	104,199	175,184	107,814	97,311
Lubricating oil ..	70	113	169	196	195	114
Aden Colony—						
Crude petroleum ..	—	—	—	4,265,197	4,585,746	4,416,767
Motor spirit	9,546	8,770	1,228	78	23,626	(c) 2,552
Kerosine	4,660	6,583	3,799	2,059	—	—
Gas oil	30,607	88,261	55,458	} 960,585	} 529,991	} 552,294
Fuel oil (b)	2,522,368	2,386,977	3,566,416			
Lubricating oil ..	1,544	2,159	2,010	2,788	2,603	4,036
Asphalt and bitumen ..	1,055	13,186	8,984	(a)	(a)	(a)
Aden Protectorate (e)—						
Motor spirit	812	2,560	1,107	407	6,084	11,753
Kerosine	58	83	122	1,348	4,629	5,123
Gas oil	24,825	1,001	1,400	} 28	} 66,912	} 4,332
Fuel oil	45	—	50			
Lubricating oil ..	71	102	67	64	165	176
Bahrain Islands (d)—						
Crude petroleum ..	7,764,000	8,128,900	9,059,300	8,397,900	8,057,300	7,295,000
British Borneo—						
Brunei—						
Motor spirit	3,656	7,306	7,421	2,420	2,657	4,485
Kerosine	643	1,347	1,837	798	768	1,139
Diesel oil	6,775	10,263	8,928	2,326	1,282	2,695
Fuel oil	94	534	1,690	537	95	—
Lubricating oil ..	1,120	1,907	1,001	2,171	271	2,884
Grease	76	54	169	483	11	52
North Borneo—						
Motor spirit	7,136	7,281	4,360	2,920	2,298	683
Kerosine	3,034	3,363	4,214	4,307	3,997	4,110
Gas, diesel and fuel oils	6,662	7,431	4,624	2,067	6,362	5,915
Lubricating oil ..	898	736	759	847	712	890
Asphalt and bitumen	2,725	(a)	78	1,148	(a)	(a)

(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.*)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
British Borneo (<i>cont.</i>)—						
Sarawak—						
Crude petroleum ..	4,990,194	4,798,933	4,707,024	5,175,032	5,548,598	5,441,292
Aviation spirit ..	323	308	363	414	591	775
Motor spirit ..	4,198	4,222	6,239	5,589	8,126	9,179
Kerosine ..	5,516	5,579	6,728	7,060	7,536	7,697
Gas oil ..	(a)	(d) 80	2,539	4,275	7,658	6,619
Diesel oil ..	6,119	6,293	5,051	3,981	3,203	5,545
Fuel oil ..	780	1,041	1,195	531	618	595
Lubricating oil ..	863	1,182	1,485	1,887	1,398	1,608
Paraffin wax ..	10	27	5	8	11	4
Mineral jelly ..	(a)	(a)	40	26	53	35
Natural gas (<i>million cubic feet</i>) ..	1,770	2,056	1,958	2,800	2,779	2,545
Ceylon—						
Aviation spirit (b) ..	} 125,376	{ 5,641	8,476	6,632	9,351	8,670
Motor spirit ..			117,946	125,467	109,289	177,113
Kerosine ..	70,971	70,907	80,335	92,146	99,377	110,155
Gas oil (b) ..	25,908	38,324	31,215	36,173	44,505	72,372
Diesel oil (b) ..	127,469	139,169	133,575	161,379	132,952	190,046
Fuel oil (b) ..	486,928	442,637	365,460	511,598	375,750	825,114
Lubricating oil ..	9,796	4,679	6,041	7,953	8,826	10,190
Other oils and greases ..	545	132	209	415	367	759
Asphalt (incl. natural)	33,611	7,443	3,533	4,341	17,533	4,347
Cyprus—						
Aviation and motor spirits (b) ..	35,458	44,060	53,056	48,619	72,479	58,408
Aviation turbine fuel ..	(a)	(a)	(a)	(a)	(a)	35,738
Kerosine, etc. ..	15,714	19,126	19,538	32,561	62,945	22,434
Fuel oils ..	49,706	56,235	74,180	74,304	106,572	159,016
Lubricating oil ..	1,860	2,189	2,142	3,160	3,007	3,158
Paraffin wax ..	108	(c) 75	(c) 183	(c) 106	(c) 126	(c) 165
Asphalt and bitumen ..	5,668	5,609	5,522	10,626	10,520	5,512
Hong Kong (h)—						
Aviation spirit ..	10,970	11,095	16,952	9,647	15,400	11,899
Motor spirit ..	39,483	40,570	45,897	49,132	63,759	45,473
White spirit ..	687	1,551	2,553	2,856	4,124	3,468
Kerosine ..	31,860	42,770	51,037	64,565	86,770	75,754
Diesel oil and gas oil ..	86,080	101,616	140,102	118,973	160,929	178,254
Fuel oil ..	326,149	447,896	533,642	541,177	699,823	725,464
Lubricating oil ..	6,592	2,974	5,200	7,214	14,536	9,228
Greases ..	279	217	322	482	390	594
Petroleum jelly ..	270	197	411	284	97	68
Paraffin wax ..	737	760	1,642	1,722	955	1,174
Asphalt and bitumen ..	9,125	1,190	1,390	4,580	7,354	10,474
Asphalt (natural) ..	307	482	389	576	61	258
India—						
Crude petroleum ..	(g)	(g)	(g)	(e)2,637,148	4,073,637	3,463,319
Aviation and motor spirits (b) ..	808,246	857,996	756,562	351,099	116,191	142,914
Other spirit ..	22,116	129	4,221	7,572	—	1,112
Kerosine ..	997,391	933,764	1,138,308	966,262	996,441	1,163,311
Diesel oil ..	666,411	592,801	813,812	384,159	285,072	(a)
Fuel oil (b) ..	(f) 754,681	(f) 752,793	(f) 716,494	183,241	27,261	22,080
Lubricating oil ..	258,650	164,247	222,015	157,701	194,575	290,160
Turpentine substitute ..	1,681	8,640	6,842	3,006	10,513	9,341
Other oils ..	13,165	39,493	39,614	99,611	83,430	(a)
Greases ..	4,636	1,744	2,483	4,559	4,752	3,700
Paraffin wax ..	6	—	1	2	28	5
Asphalt ..	141,078	126,813	163,526	404,134	128,403	33,281

(a) Information not available.

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

(c) Including petroleum jelly.

(d) Excess of re-exports.

(e) April to December only.

(f) Including crude petroleum.

(g) Included with fuel oil.

(h) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Kuwait (b) (f)—						
Diesel oil	(a)	—	5,976	10,939	57,907	196,302
Fuel oil	(a)	107,001	149,011	259,422	490,426	1,251,685
Malaya (e)—						
Crude petroleum	—	—	—	—	661,395	843,278
Aviation spirit	165,686	226,260	292,509	271,723	260,859	257,390
Motor spirit	992,056	1,183,509	1,194,463	1,238,961	1,240,431	1,129,833
White spirit	(a)	39,000	56,281	78,989	61,962	60,648
Aviation turbine fuel	(a)	2,013	(a)	(a)	33,316	44,291
Kerosine—Power	146,318	97,108	91,915	54,028	73,983	73,669
do. Other	261,891	316,810	286,642	389,718	398,566	349,100
Gas oil	789,741	851,567	768,164	748,891	783,619	785,756
Diesel oil	741,764	651,489	690,334	743,543	705,802	660,700
Fuel oil	1,958,802	2,052,131	2,393,670	3,030,055	2,791,339	2,932,940
Lubricating oil	28,915	22,078	24,388	33,229	34,311	35,389
Paraffin wax	2,598	1,903	2,016	2,423	5,090	2,712
Petroleum jelly	353	163	479	684	788	727
Grease	2	1,162	1,332	1,870	1,773	1,672
Asphalt and bitumen	36,202	30,043	40,254	48,912	176,937	139,689
Natural asphalt	(a)	(a)	5,406	16	—	20
Pakistan (c)—						
Motor spirit	47,855	64,087	68,822	34,464	23,491	19,428
Other spirit	13,572	41,017	28,243	33,895	3,087	5,766
Kerosine	99,686	222,795	150,613	146,771	800	97,910
Diesel oil	95,099	156,762	160,033	208,883	162,115	180,384
Fuel oil	510,215	502,012	488,255	402,161	164,895	189,112
Lubricating oil	34,911	19,156	33,057	34,573	46,756	30,617
Turpentine substitutes	165	2	—	—	1	—
Other oils	1,817	390	1,844	1,930	6,410	(e) 690
Grease	1,680	7,623	1,913	749	1,604	1,242
Paraffin wax	818	356	632	631	543	760
Asphalt	45,309	4,535	6,778	18,642	8,445	11,989
Australia (d)—						
Crude petroleum	906,343	971,855	1,209,891	3,782,170	6,903,793	8,582,816
Aviation spirit (b)	141,761	136,470	145,058	137,029	152,917	103,964
Motor spirit	1,936,825	1,928,352	2,094,448	1,817,542	1,321,475	507,595
White spirit	33,992	32,985	41,789	48,514	58,135	53,030
Kerosine—Power	245,204	263,539	271,487	320,594	263,100	247,884
do. Other	180,378	193,603	223,762	224,849	206,989	166,511
Aviation turbine fuel	193,712	97,409	105,350	172,751	166,976	33,163
Lubricating oil	498,659	424,474	413,494	1,505,222	622,952	173,255
Gas and diesel oils	1,586,736	1,290,516	1,510,771	1,589	169,587	181,625
Fuel oil	18,906	6,928	6,412	1,589	1,491	1,593
Other oils	2,668	690	1,159	1,648	4,909	6,338
Petroleum jelly	8,469	1,718	4,356	6,530	(a)	(a)
Paraffin wax	100	—	110	(a)	(a)	(a)
Mastic asphalt	2,937	627	604	18,170	1,818	1,578
Natural asphalt	27,571	24,331	2,133	7,757	5,344	645
Bitumen and pitch	—	—	—	—	—	—
Fiji—						
Aviation spirit (b)	5,516	8,148	10,165	10,659	11,885	16,120
Motor spirit	10,460	14,563	13,965	16,582	18,738	16,718
Kerosine	3,525	3,595	4,402	4,747	3,024	5,682
Diesel oil (b)	18,068	12,333	12,655	22,346	24,470	24,344
Fuel oil (b)	284	5,177	1,477	3,203	4,298	3,378
Lubricating oil	919	350	1,158	1,130	1,468	1,153
Greases	124	86	87	222	253	215

(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.

(e) Total imports.

(f) British Protected State.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
New Guinea (d)—						
Motor spirit	8,419	8,203	8,010	9,520	11,288	12,503
Kerosine	2,037	1,841	2,185	2,432	2,892	3,745
Fuel oils	6,938	8,897	8,071	13,289	10,399	12,376
Lubricating oil	699	494	778	756	(a)	(a)
New Hebrides—						
Aviation and motor spirits	2,354	1,383	1,694	1,600	1,624	2,029
Kerosine	578	862	964	745	689	1,077
Other oils	1,244	694	1,853	1,717	1,309	1,706
New Zealand—						
Aviation spirit (b)	22,656	29,520	24,834	32,317	29,840	27,754
Motor spirit	621,067	620,185	671,101	708,959	766,289	809,460
White spirit	8,298	4,686	8,025	8,611	9,445	9,335
Aviation turbine fuel	(a)	(a)	3,194	7,438	3,134	7,466
Kerosine—Power	15,651	10,002	11,099	10,567	9,836	6,992
do. Other	17,010	9,658	11,751	10,483	14,883	25,576
Gas oil	84,545	91,230	112,544	117,310	191,830	230,131
Diesel oil (b)	183,918	138,264	233,951	185,293	166,382	218,462
Fuel oil (b)	270,976	203,712	195,526	283,910	238,256	209,608
Lubricating oil (b)	35,850	17,855	30,035	32,496	45,288	31,310
Transformer oil	1,196	1,087	1,096	1,186	1,145	2,139
Other refined oils	6,120	6,244	6,460	(a)	(a)	(a)
Petroleum jelly	54	23	40	132	738	346
Paraffin wax	1,649	704	1,642	1,016	336	1,999
Asphalt and bitumen	21,902	22,150	23,889	33,423	56,793	57,902
do. natural	9,477	9,361	3,589	4,301	5,068	791
Papua (d)—						
Motor spirit	3,675	4,649	5,756	6,088	7,412	10,652
Kerosine	858	723	257	702	692	379
Fuel oil	5,017	5,799	6,448	10,365	8,867	10,572
Lubricating oil	492	278	378	525	(a)	(a)
Solomon Islands (c)—						
Motor spirit	755	303	(a)	403	636	947
Kerosine	637	245	(a)	246	232	245
Lubricating oil	53	213	(a)	61	27	66
Western Samoa—						
Motor spirit	1,919	1,512	2,181	2,403	2,145	2,883
Kerosine	507	443	619	516	564	606
Fuel oil	361	523	595	909	980	1,297
Lubricating oil	42	19	85	89	23	21
Irish Republic—						
Aviation spirit (b)	1,857	6,941	6,964	4,850	6,442	8,552
Motor spirit	249,473	251,951	259,624	273,006	285,977	247,844
White spirit	2,129	2,259	2,931	2,965	3,143	3,591
Kerosine—Power	108,271	48,234	44,909	45,720	45,146	38,656
do. Other		59,094	66,578	71,311	65,998	47,109
Diesel oil, etc. (b)	329,189	182,811	194,746	259,206	747,091	195,429
Fuel oil (b)		139,553	216,970	329,929		410,894
Lubricating oil	13,793	15,911	17,071	20,026	21,255	15,220
Paraffin wax	1,100	1,128	1,937	(e) 2,215	(e) 1,841	(e) 1,919
Asphalt and bitumen	30,797	1,310	1,592	1,550	495	100

(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.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
Austria—						
Motor spirit	12,773	1,320	30,100	95,649	101,392	145,862
Gas oil	—	—	11,614	28,861	11,632	1,471
Fuel oil	—	4	15,979	174,896	110,345	195,425
Lubricating oil, etc. ..	9,785	10,111	17,822	21,854	26,504	25,269
Petroleum jelly	230	154	221	253	183	179
Paraffin wax	1,924	2,185	2,935	3,549	3,444	3,840
Ozokerite and ceresin ..	198	343	624	628	729	688
Asphalt, bitumen, etc. ..	1,340	742	965	905	1,048	3,003
Petroleum coke	17,884	20,345	16,216	24,758	34,658	21,734
Tar and pitch	4,941	5,828	8,376	20,612	19,276	17,591
Belgium-Luxemburg						
E.U.—						
Crude petroleum	2,244,598	2,886,674	3,671,078	4,637,230	5,250,512	5,388,051
Motor spirit, etc.	596,921	542,370	344,853	348,089	335,266	382,413
Kerosine	47,703	54,444	54,131	28,866	32,276	28,409
Fuel oil and gas oil	1,336,351	1,221,246	1,381,454	1,704,246	2,156,076	2,343,626
Lubricating oil	131,423	117,290	159,961	176,883	185,898	181,488
Other heavy oils	510	3,287	4,137	4,739	4,470	3,782
Petroleum jelly	1,010	1,067	999	1,130	1,510	1,320
Paraffin wax	2,697	4,040	4,217	4,713	5,540	5,308
Ozokerite and ceresin (b)	73	186	277	342	470	409
Petroleum coke	(a)	20	40	446	107,712	55,969
Natural asphalt	6,887	5,066	6,415	7,067	8,620	4,900
Pitch	2,892	3,429	1,102	5,208	5,514	3,308
Denmark—						
Crude petroleum	32,756	20,725	32,595	29,999	18,885	29,696
Motor spirit	462,707	547,095	597,831	681,734	722,169	769,685
White spirit	8,939	6,452	12,044	9,901	12,142	12,292
Kerosine	52,461	46,490	40,189	121,171	107,987	118,068
do. Power	29,487	47,401	59,513			
Gas oil	270,579	316,824	349,529	412,573	524,853	630,789
Diesel oil	161,776	204,259	233,614	295,697	329,891	382,211
Fuel oil	878,631	857,922	1,116,299	1,523,739	1,826,031	1,790,068
Lubricating oil	31,900	34,367	43,965	50,527	46,148	49,292
Grease	475	563	713	708	837	827
Petroleum jelly	277	396	496	443	425	305
Ozokerite, etc.	281	431	600	526	736	730
Paraffin wax	1,558	2,395	3,134	3,728	4,212	3,542
Natural asphalt	869	1,130	942	396	548	838
Other asphalt	43,761	41,602	64,341	66,441	67,117	49,543
Faroe Islands—						
Motor spirit	1,020	1,315	1,029	1,325	1,530	(a)
Kerosine	1,779	1,819	1,662	1,922	1,652	(a)
Fuel oils	9,230	17,819	15,121	22,694	28,071	(a)
Lubricating oil, etc. ..	387	378	386	396	427	(a)
Finland—						
Crude petroleum	—	—	—	—	—	212,575
Motor spirit	278,265	297,389	331,386	353,150	346,611	340,594
White spirit	1,510	1,442	2,808	2,827	5,636	3,293
Kerosine	19,947	19,413	18,820	18,117	22,140	17,949
do. Power	42,664	51,060	50,102	52,480	49,164	37,357
Fuel oil	264,079	326,617	488,352	642,299	893,778	1,208,295
Lubricating oil	11,962	11,747	27,818	22,842	26,524	28,281
Petroleum jelly	90	99	218	212	215	184
Paraffin wax	424	816	2,149	2,320	2,584	1,851
Asphalt etc.	29,405	28,968	50,459	51,009	39,813	32,951
France—						
Crude petroleum	20,886,646	21,653,085	23,234,242	24,422,109	24,591,855	23,703,814
Aviation spirit	55,534	58,827	67,465	80,762	85,300	81,345
Motor spirit	68,815	77,130	176,331	330,832	348,660	472,170
Kerosine	4,557	5,370	7,759	8,481	11,049	36,279

(a) Information not available.

(b) Including montan wax.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
France (<i>cont.</i>)—						
Lubricating oil ..	66,113	32,905	30,881	36,106	65,757	32,767
Fuel oil	178,414	111,670	273,894	260,073	354,320	880,551
Gas oil	130,916	59,655	4,930	1,569	70,887	748,269
Petroleum coke ..	52,776	31,658	47,840	72,295	72,241	70,732
Paraffin wax	2,772	1,593	632	1,290	3,220	5,409
Ozokerite and ceresin ..	2,580	5,119	4,252	4,727	4,643	5,809
Petroleum jelly ..	51	40	62	131	812	936
Asphalt and bitumen, natural	4,281	1,874	3,979	2,799	2,981	3,588
Bitumen, etc.	38,005	1,230	1,084	2,282	458	736
Germany (Federal)—						
Crude petroleum ..	3,477,072	4,488,239	5,890,764	6,998,999	7,872,407	8,029,544
Aviation and motor spirits	128,713	76,487	99,415	211,046	456,116	420,586
Kerosine	81	95	6,117	34,069	29,521	33,717
Gas oil	370,489	603,011	559,843	734,398	998,725	1,049,791
Fuel oil	130,648	172,649	576,952	1,603,757	3,175,930	3,842,671
Lubricating oil, etc. ..	24,865	56,327	70,018	107,646	116,914	128,955
Petroleum jelly ..	577	1,144	1,049	1,228	1,379	1,664
Paraffin wax	1,131	2,015	6,408	4,878	4,120	5,084
Ozokerite, etc.	341	660	918	1,131	482	240
Asphalt	2,872	4,346	7,087	6,544	8,475	7,533
Bitumen	1,007	10,345	7,051	24,983	53,579	60,829
Germany (East)—						
Crude petroleum ..	264,000	453,000	582,000	638,000	785,000	981,000
Greece—						
Motor spirit	237,937	244,846	273,965	298,683	260,983	233,810
Kerosine	93,120	85,386	94,795	93,727	102,835	103,567
Fuel oil and diesel oil ..	885,169	885,742	999,891	1,076,536	1,130,219	1,236,087
Lubricating oil, etc. ..	14,789	18,239	17,287	18,752	16,320	16,880
Petroleum jelly ..	113	162	78	(a)	(a)	(a)
Asphalt and bitumen ..	16,810	7,046	40,271	19,971	10,040	16,373
Hungary—						
Crude petroleum ..	255,000	319,000	311,000	228,000	320,000	984,000
Motor spirit	31,251	17,007	27,211	10,818	35,798	28,109
Kerosine	14,940	10,854	8,043	14,350	2,775	437
Gas oil	12,944	17,961	—	20,648	21,777	38,738
Fuel oil	20,000	60,000	41,000	58,000	112,000	145,000
Iceland—						
Aviation spirit	27,327	15,789	17,098	25,439	19,057	14,623
Motor spirit	24,418	37,480	36,460	30,342	32,450	47,665
Kerosine	4,782	3,185	2,110	1,917	1,909	1,559
Gas oil and fuel oil ..	172,464	217,518	178,480	201,701	229,185	242,181
Lubricating oil	3,419	4,053	4,122	3,617	4,076	3,813
Greases	115	150	142	170	150	114
Paraffin wax	41	51	49	26	67	58
Petroleum jelly ..	1	1	11	—	10	17
Asphalt	742	691	1,019	108	789	547
Italy—						
Crude petroleum ..	9,725,153	12,647,278	15,568,759	16,601,955	17,798,434	18,758,740
Motor spirit	17,153	9,931	36,864	74,931	31,159	26,242
Kerosine	15	70	70	26	134	59
Gas oil	10,758	9,159	5,938	12,428	23,486	37,643
Fuel oil	594,539	623,545	640,683	441,078	640,679	670,814
Lubricating oil	49,445	48,019	56,009	52,886	44,529	46,322
Petroleum jelly ..	598	998	1,425	1,055	1,862	1,152
Paraffin wax	13,243	18,032	15,977	14,476	15,634	10,402
Pitch	43	170	31	93	103	177
Petroleum coke ..	13,724	36,739	52,812	43,099	52,992	65,714
Ozokerite and ceresin ..	409	724	784	605	308	307
Asphalt etc.	1,106	823	1,030	1,256	1,710	1,942

(a) Information not available.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Netherlands—						
Crude petroleum	6,712,660	6,787,765	9,462,479	11,457,352	12,727,238	13,324,031
Motor spirit	138,200	173,313	168,403	169,317	193,553	191,110
Kerosine	149,944	148,509	147,725	161,073	167,681	156,973
Gas oil	339,525	326,500	329,363	622,383	1,048,680	1,033,460
Fuel oil	671,922	1,137,454	1,212,160	1,426,473	1,693,543	1,359,393
Lubricating oil	63,016	82,501	197,549	201,653	166,273	164,784
Petroleum jelly	951	839	1,630	2,426	3,168	3,515
Paraffin wax	22,359	6,700	30,794	40,176	44,005	18,424
Ozokerite and ceresin (c)	117	203	295	199	169	168
Pitch	186	731	6,418	9,041	14,231	14,310
Natural asphalt	1,023	779	1,332	1,020	1,169	1,276
Norway—						
Crude petroleum	47,651	73,471	71,691	94,914	78,113	113,661
Aviation spirit	273,882	304,924	14,677	17,726	20,605	24,398
Motor spirit			284,708	313,606	310,921	326,496
White spirit	6,462	8,592	7,235	11,701	11,027	13,697
Kerosine	50,713	77,153	39,150	49,395	61,915	62,843
Aviation turbine fuel			55,560	48,290	53,812	81,097
Diesel oil	293,915	277,745	286,122	386,479	408,412	398,088
Gas oil	414,084	427,018	459,760	545,310	634,677	519,019
Fuel oil	873,476	955,243	993,967	1,307,186	1,376,464	1,353,605
Lubricating oil	23,904	27,136	31,398	28,652	33,857	34,029
Paraffin wax	1,435	1,754	2,505	2,175	2,228	2,099
Petroleum jelly	1,132	1,076	1,607	1,491	1,878	2,067
Pitch	3,619	5,500	6,788	8,368	18,418	17,902
Petroleum coke	40,010	37,275	37,096	44,629	56,230	53,223
Asphalt, etc.	17,293	18,403	25,310	23,802	19,380	15,354
Poland—						
Crude petroleum	(a)	405,900	455,900	536,300	528,500	620,000
Portugal—						
Crude petroleum	468,304	130,082	696,130	896,108	960,565	1,090,826
Motor spirit	69,304	127,022	70,242	38,954	33,577	30,656
do. (b)	1,008	1,254	1,722	2,298	2,959	3,370
Kerosine	61,373	115,593	62,088	54,191	54,446	54,658
Aviation turbine fuel	—	2,984	1,815	—	—	30
Gas oil and diesel oil	62,146	160,890	104,594	141,002	118,325	130,370
Fuel oil	130,026	256,748	158,895	118,363	110,624	144,865
Gas, diesel, fuel oils (b)	131,168	145,933	156,265	160,115	164,950	127,979
Lubricating oil	16,400	14,018	17,572	19,427	24,488	25,489
do. (b)	1,664	1,675	1,648	1,842	1,951	1,800
Petroleum jelly	114	118	153	129	134	156
Paraffin wax	1,419	1,371	1,856	2,324	2,233	2,596
Ozokerite and ceresin	38	73	87	73	130	125
Bitumen	62	505	396	33	41	292
Natural asphalt	14,218	19,744	19,208	16,067	14,293	12,564
Spain—						
Crude petroleum, heavy	—	—	—	7,657	42,893	—
do. light	880,002	1,466,725	1,751,665	2,100,810	2,150,904	3,226,419
Motor spirit	365,096	177,610	219,352	187,280	205,361	248,237
Kerosine	12,136	23,383	53,171	80,786	77,008	69,913
Diesel oil	144,699	81,681	250,779	289,869	341,790	167,810
Lubricating oil	44,701	69,418	71,808	67,770	62,016	54,974
Fuel oil	290,782	76,713	207,081	295,503	425,428	518,130
Petroleum jelly	371	110	94	115	473	402
Paraffin wax	2,099	1,378	2,738	2,377	1,098	584
Asphalt	58,376	69,075	69,925	82,453	118,368	124,688
Sweden—						
Crude petroleum	1,164,990	1,399,000	1,712,519	1,859,062	1,783,576	1,962,277
Motor spirit	682,222	735,726	828,702	910,391	1,079,578	1,190,000
White spirit	32,236	58,467	35,119	39,911	41,439	38,001

(a) Information not available.

(b) Imported for bunkering of national ships.

(c) Including montan wax.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden <i>(cont.)</i> —						
Kerosine	275,103	334,899	364,554	325,302	287,157	259,900
Fuel oil and gas oil	2,786,617	2,866,647	3,365,002	4,730,000	6,316,794	5,696,037
Lubricating oil	58,539	57,204	62,380	84,402	100,813	96,152
Petroleum jelly	360	400	743	677	817	662
Other oils	1,102	1,184	1,314	1,685	1,930	2,424
Paraffin wax	2,051	4,591	6,018	6,009	6,399	6,232
Ozokerite, ceresin, etc.	837	1,059	1,322	1,544	1,597	1,936
Asphalt	2,231	2,526	3,678	2,748	3,472	3,261
Pitch	4,748	7,928	15,603	15,175	17,551	8,665
Petroleum coke	4,184	8,123	8,381	7,322	12,596	8,868
Switzerland—						
Motor spirit	345,331	381,457	444,332	532,434	616,090	645,842
Kerosine	119,585	100,939	53,341	39,927	40,212	60,208
Fuel oil	651,906	704,229	967,199	1,140,950	1,621,302	1,618,192
Lubricating oil and grease	28,128	27,430	37,940	43,690	49,856	53,453
Other oils	101,241	114,279	126,328	149,169	190,764	183,287
Petroleum jelly	306	533	975	1,180	1,093	1,403
Paraffin wax and ceresin	1,739	2,128	3,459	3,724	4,030	4,391
Asphalt and bitumen	712	689	844	527	1,057	553
U.S.S.R. (b)—						
Crude petroleum	(a)	(a)	(a)	565,700	1,486,000	1,310,400
Motor spirit				1,956,500	1,989,800	1,991,000
Kerosine				540,300	647,700	289,000
Diesel oil				641,500	680,500	293,900
Fuel oil				392,000	377,800	56,200
Lubricating oil and grease				107,500	88,800	86,100
Paraffin wax				30,100	27,300	29,800
Bitumen	71,600	103,800	138,300			
Yugoslavia—						
Crude petroleum	311,355	447,271	442,180	475,396	572,216	638,804
Aviation spirit	13,219	22,839	36,715	19,506	20,022	17,594
Motor spirit	3,016	31,323	23,929	14,525	—	258
Kerosine	(a)	1,077	3,172	—	—	—
Aviation turbine fuel	(a)	14,580	—	—	—	14
Fuel oils	(a)	7,806	2,310	—	2,323	—
Lubricating oil	14,091	17,804	11,825	4,896	5,904	6,641
Greases	59	31	27	113	157	203
Paraffin wax	833	1,015	118	1,694	1,239	499
Petroleum jelly	252	113	174	501	191	300
Ozokerite and ceresin	(a)	158	86	269	202	70
Petroleum coke	1,911	2,872	—	3,149	3,504	2,972
Algeria—						
Aviation spirit	6,452	7,099	11,297	17,550	36,564	64,404
Motor spirit	216,233	237,667	251,664	303,388	343,428	409,582
White spirit	630	878	942	1,024	1,505	1,870
Kerosine	62,897	68,329	78,660	92,718	91,255	90,580
Gas oil	169,691	189,694	216,130	255,144	240,762	270,422
Fuel oil and diesel oil	207,776	277,445	286,185	317,818	246,360	261,726
Lubricating oil	19,629	16,336	21,403	27,250	29,673	32,038
Bitumen, etc.	37,892	38,001	46,904	52,078	47,326	59,324
Paraffin wax	310	376	487	410	461	422
Petroleum jelly	41	24	7	46	28	39
Ozokerite and ceresin	4	—	4	1	13	12
Asphalt, etc., natural	85	53	14	343	33	19
Mastic asphalt	3,938	4,055	5,828	4,291	3,425	4,146

(a) Information not available.

(b) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Angola—						
Motor spirit	32,687	30,381	38,789	42,380	44,253	51,707
Kerosine	5,071	3,953	5,596	6,615	8,549	8,626
Gas oil and fuel oil	18,651	24,426	32,125	46,197	75,511	85,397
Lubricating oil	4,964	3,599	4,415	4,313	6,042	6,985
Belgian Congo—						
Motor spirit, etc.	134,058	170,080	189,406	207,688	201,171	218,626
Kerosine	24,042	22,285	29,249	27,214	40,684	32,766
Fuel oil, etc.	53,848	73,386	130,237	138,342	157,904	171,553
Lubricating oil and greases	21,218	13,898	19,724	21,239	20,944	19,985
Petroleum jelly	86	41	49	49	101	94
Paraffin wax	100	68	136	188	70	65
Asphalt	5,303	6,034	908	4,415	2,663	1,111
Cameroon (French)—						
Motor spirit	42,295	37,055	45,525	51,906	45,889	49,973
Kerosine	10,913	7,802	12,622	12,765	13,846	14,468
Fuel oil	17,112	14,799	15,829	18,135	21,473	22,447
Lubricating oil	5,718	1,596	2,962	3,675	2,999	3,019
Canary Islands—						
Crude petroleum	2,478,624	1,165,423	801,041	664,752	995,774	2,184,795
Motor spirit		3,017	9,431	2,108	1,989	10,441
Diesel (b)		537,946	693,605	54,800	168,475	227,617
Fuel oil (b)		806,632	638,901	10,105	—	222,854
Cape Verde Islands—						
Motor spirit	358	292	451	473	536	361
Kerosine	431	421	548	650	864	711
Fuel oil (b)	355,364	435,039	712,431	469,246	411,413	550,484
Ceuta—						
Motor spirit	400,972	7,265	7,994	14,787	6,942	21,296
Kerosine		312	1,488	1,927	656	1,966
Diesel (b)		169,168	143,571	109,758	230,183	279,256
Fuel oil (b)		103,666	210,939	564,745	330,885	447,080
Lubricating oil		1,639	2,008	2,609	2,120	2,124
Egypt—						
Crude petroleum	94,880	45,688	630,555	996,524	955,000	918,000
Motor spirit	75,406	78,330	55,360	45,601	26,000	16,000
White spirit	623	652	674	920	(a)	(a)
Kerosine	475,930	487,259	544,050	365,056	384,000	83,000
Fuel oil	377,041	246,234	571,497	676,428	594,000	129,000
Gas oil	146,255	102,064	65,133	38,316	86,000	15,000
Diesel oil	137,879	107,316	84,693	35,360	52,000	29,000
Lubricating oil	30,708	29,397	32,589	33,631	47,600	37,000
Petroleum jelly	416	524	478	621	(a)	(a)
Paraffin wax	731	543	841	1,055	(a)	(a)
Ozokerite and ceresin	43	31	75	87	(a)	(a)
Asphalt and bitumen	198	77	669	712	2,000	4,500
Ethiopia (c)—						
Motor spirit	22,254	39,785	49,985	45,456	54,338	62,115
Kerosine	981	6,576	6,795	3,422	4,213	4,108
Gas and fuel oils	2,638	8,812	14,296	8,798	6,892	22,573
Lubricating oil and grease	2,639	4,467	5,400	7,047	8,882	5,689
French Equatorial Africa—						
Aviation spirit	12,240	8,761	11,251	17,959	23,504	14,102
Motor spirit	39,690	34,403	35,980	36,237	45,195	46,712
Kerosine	10,111	8,707	10,765	10,111	11,639	11,727
Gas oil	21,133	17,035	23,038	17,014	31,494	36,999
Fuel oil	6,831	10,171	4,535	4,518	4,990	9,918
Lubricating oil, etc.	5,823	3,361	2,915	5,542	4,906	6,058

(a) Information not available.

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

(c) Years ended September 10.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
(cont.)						
French Somaliland—						
Motor spirit	3,947	9,459	845	2,246	5,019	(a)
Kerosine	1,881	882	3,323	876	167	(a)
Fuel oil etc.	—	—	2,814	5,716	34,152	(a)
Lubricating oil	757	315	241	253	246	(a)
French Togoland—						
Motor spirit	5,888	4,154	4,223	6,108	5,505	5,251
Kerosine	5,293	3,306	4,167	3,141	4,182	4,762
Fuel oil	2,871	2,253	3,254	4,794	4,174	5,640
Lubricating oil	457	735	368	849	473	692
French West Africa—						
Aviation spirit	20,601	9,515	35,530	19,324	31,891	15,440
Motor spirit	117,992	122,582	104,352	138,799	153,931	185,569
Kerosine	37,740	37,652	51,604	53,997	61,685	71,248
Gas oil	41,542	45,092	45,085	55,278	64,798	74,014
Diesel oil	(a)	(a)	12,339	86,613	95,498	90,430
Fuel oil	42,807	68,247	85,188			
Lubricating oil	13,654	12,141	10,448	16,086	20,810	13,051
Liberia—						
Motor spirit	(a)	13,494	20,223	10,796	7,877	18,560
Kerosine		3,506	4,858	3,461	2,203	4,306
Diesel oil		6,249	5,588	5,577	6,947	6,590
Lubricating oil		525	619	759	1,076	1,478
Madagascar—						
Aviation spirit	3,169	3,901	5,018	5,641	6,189	8,269
Motor spirit	36,988	43,122	41,388	47,662	49,777	47,141
Kerosine	9,233	11,910	12,099	11,013	15,471	12,768
Gas oil	16,892	16,344	22,419	26,614	29,188	33,575
Fuel oils	148	3,382	2,501	2,635	787	203
Lubricating oil	6,301	5,800	2,662	3,886	5,158	5,436
Road oil, etc.	9,716	3,729	5,348	7,720	8,741	12,485
Paraffin wax	42	48	1	162	79	178
Petroleum jelly	11	11	20	11	7	10
Asphalt and bitumen	1,597	418	2,264	94	218	296
Melilla—						
Petroleum products	18,862	15,729	16,881	16,820	26,340	54,290
Morocco (Southern)—						
Aviation spirit	26,660	32,792	26,224	26,971	12,625	16,301
Motor spirit	251,440	296,712	297,696	325,743	284,448	202,974
White spirit	1,615	2,656	3,369	2,356	1,300	1,693
Kerosine	38,954	57,656	73,961	79,744	45,047	36,742
Gas oil	104,742	105,046	99,031	106,497	105,542	107,975
Fuel oil	248,638	240,204	137,609	160,135	145,617	157,443
Lubricating oil	20,282	14,913	18,230	18,316	14,467	12,038
Paraffin wax	3,924	4,269	3,856	4,624	4,496	4,231
Asphalt bitumen, etc.	49,400	39,519	43,300	35,896	24,504	23,404
Morocco (Northern)—						
Motor spirit	13,249	13,739	13,111	13,790	13,970	(a)
Kerosine	2,955	3,071	3,286	3,307	3,476	(a)
Gas oil	9,193	9,877	11,546	12,799	15,540	(a)
Fuel oil	3,286	4,567	9,425	12,350	12,067	(a)
Lubricating oil	574	570	1,039	186	265	(a)
Grease	373	335	515	980	818	(a)
Asphalt	901	2,213	3,655	1,818	1,995	(a)
Mozambique—						
Motor spirit	26,700	28,645	27,251	30,005	31,332	32,021
Kerosine	12,856	13,337	13,754	14,498	16,863	17,371
Fuel oil	27,055	27,657	34,202	38,019	46,371	54,131
Lubricating oil	3,610	4,132	3,703	4,348	5,210	5,819
Paraffin wax	23	37	26	38	52	47
Petroleum jelly	21	20	29	28	68	24
Asphalt and bitumen (b)	2,810	1,712	3,451	3,176	3,893	5,242

(a) Information not available.

(b) Including coal tar and pitch.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Reunion—						
Motor spirit	6,335	4,413	6,924	8,889	10,855	11,481
Kerosine	2,402	753	1,297	1,829	1,388	2,158
Fuel oil etc.	3,020	1,072	3,471	2,311	4,282	5,264
Lubricating oil	1,308	723	629	940	658	771
S. Tome and Principe—						
Motor spirit	906	777	813	1,201	2,383	(a)
Kerosine	328	351	324	453	671	(a)
Fuel oil	237	145	263	339	727	(a)
Sudan—						
Aviation spirit (c)	22,318	19,808	17,726	20,731	24,650	27,771
Motor spirit	40,305	46,175	59,886	57,335	51,396	59,471
Kerosine	17,479	20,163	17,072	19,503	19,868	26,953
Gas oil	14,681	17,206	22,856	25,443	31,818	41,294
Diesel oil	23,606	22,952	24,543	27,605	27,283	23,020
Fuel oil	88,583	91,602	105,771	106,825	111,835	144,039
Lubricating oil, etc.	8,077	4,313	3,718	5,322	5,957	8,370
Asphalt and bitumen	6,967	2,040	2,188	3,395	3,551	5,797
Tunis—						
Aviation spirit	235	219	172	90	147	571
Motor spirit	78,891	81,985	79,978	83,402	78,616	70,131
Kerosine	29,330	34,624	34,329	36,524	37,855	34,502
Fuel oil	68,357	130,119	144,761	205,911	194,133	178,229
Gas oil	73,356	82,015	82,619	89,153	86,293	77,621
Lubricating oil	9,623	5,534	7,242	8,191	7,067	6,397
Petroleum jelly	90	38	44	6	—	—
Paraffin wax	(a)	50	90	79	58	62
Costa Rica (b)—						
Motor spirit	42,000	51,806	42,757	38,864	43,979	51,854
Kerosine	(a)	7,300	4,624	5,805	6,838	7,888
Diesel oil, etc.	31,000	36,208	34,964	24,248	50,294	54,805
Fuel oil	(a)	43,124	48,313	40,837	52,036	31,636
Lubricating oil	(a)	3,476	4,185	3,103	2,720	3,868
Grease	(a)	(a)	268	224	274	343
Petroleum jelly	(a)	(a)	108	85	77	91
Paraffin wax	(a)	(a)	1,017	1,187	1,199	1,260
Asphalt	(a)	54	1,394	3,072	3,687	7,454
Cuba (b)—						
Crude petroleum	337,324	428,708	392,187	445,461	444,583	(a)
Motor spirit	350,940	301,006	330,621	374,512	416,450	(a)
Kerosine	605	53	8,298	188	3,861	(a)
Fuel oil	1,146,258	1,109,147	985,527	1,127,320	1,121,888	(a)
Gas oil	12,385	19,473	29,635	53,202	39,813	(a)
Lubricating oil	65,212	29,591	39,019	51,714	54,453	(a)
Residual oils	37,441	48,877	66,042	84,046	138,140	(a)
Petroleum jelly	484	697	634	589	805	(a)
Paraffin wax	2,401	2,976	2,793	3,147	3,599	(a)
Asphalt rock	42	21	25	26	54	(a)
Other asphalt and bitu- men	1,018	145	179	163	182	(a)
Petroleum coke	184	1,594	1,799	2,288	834	(a)
Dominican Republic (b)—						
Aviation spirit	57,694	61,530	67,215	8,056	6,383	11,044
Motor spirit	8,185	8,119	8,258	69,667	78,266	79,368
Kerosine	104,318	109,580	102,786	12,316	11,650	9,035
Fuel oil	7,066	5,064	5,654	178,164	186,356	196,262
Lubricating oil	12,060	11,433	14,721	7,227	6,919	10,711
Other oils				18,245	20,527	23,965

(a) Information not available.

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

(b) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
French West Indies—						
Guadeloupe—						
Motor spirit	10,681	12,437	13,887	15,139	15,207	19,540
Kerosine	3,787	4,181	4,386	5,290	7,024	7,829
Gas and fuel oil	5,529	4,999	5,494	4,882	7,308	7,953
Lubricating oil	971	568	1,036	1,057	1,677	2,002
Martinique—						
Motor spirit	11,399	11,392	13,321	13,910	14,663	20,981
Kerosine	4,585	5,374	6,266	9,195	7,905	8,314
Gas and fuel oil	12,733	13,171	11,092	13,192	13,283	21,603
Lubricating oil	1,068	636	933	1,062	1,848	2,644
Greenland—						
Motor spirit	(a)	(a)	1,158	703	815	(a)
Kerosine			1,213	942	1,001	(a)
Fuel oil			8,124	36,205	21,010	(a)
Lubricating oil			286	298	353	(a)
Guatemala (d)—						
Crude petroleum, etc.	133,042	134,006	143,289	170,294	150,399	154,166
Aviation spirit	5,731	8,437	4,918	6,731	10,692	5,844
Motor spirit	52,909	55,997	62,779	77,645	94,384	108,580
Kerosine	11,117	9,676	13,039	13,844	16,072	20,646
Diesel oil	65,497	21,459	25,291	31,648	45,427	49,836
Fuel oil	1,769	1,796	2,651	3,138	3,096	2,509
Lubricating oil	2,450	3,623	4,557	4,528	4,934	5,622
Grease	268	314	349	397	537	515
Asphalt	8,292	5,986	4,057	18,074	11,181	11,880
Paraffin wax, etc.	2,081	2,845	3,396	2,843	3,467	3,561
Haiti (b)—						
Motor spirit	21,015	27,023	22,967	19,634	27,848	26,848
Kerosine	3,006	3,995	4,037	2,462	3,291	2,242
Fuel oil, etc.	10,622	13,075	16,448	6,721	12,356	9,312
Honduras—						
Crude petroleum	—	—	—	21,741	32,013	39,643
Motor spirit	(c) 77,923	(c) 100,952	(c) 95,056	79,869	32,341	39,311
Kerosine	1,696	2,271	2,331	2,946	4,521	4,908
Gas, diesel and fuel oils	70,602	51,148	24,019	34,921	76,197	101,651
Lubricating oil and grease	2,143	9,866	2,421	2,301	3,029	2,962
Mexico (d)—						
Motor spirit	172,817	263,835	343,203	475,364	498,497	630,095
Kerosine	1,683	5,048	77,121	166,077	216,710	288,210
Gas oil	13,090	17,963	177,790	325,509	332,856	294,169
Fuel oil	201,665	369,351	399,939	430,073	464,208	417,951
Lubricating oil	69,929	66,516	98,744	40,795	17,311	19,272
Grease	4,644	3,479	4,926	5,256	7,129	4,576
Paraffin wax	34,638	39,316	43,744	37,044	15,909	19,949
Petroleum jelly	463	881	665	1,010	1,048	1,059
Asphalt	10,243	9,734	2,877	1,820	844	1,304
Asphalt rock	1,062	980	5,460	8,173	256	1,636
Natural gas (<i>million cu. ft.</i>)	18,843	19,060	22,845	19,713	18,710	14,230
Netherlands West Indies—						
Crude petroleum	43,294,703	39,904,781	41,167,428	42,156,899	43,435,159	40,702,334
Aviation spirit	214,715	640,721	180,447	139,542	323,327	295,154
Motor spirit	373,604		640,183	948,651	1,090,746	1,151,164
Kerosine	5,043	6,291	11,792	1,327	9,812	125,759
Fuel oil	1,870,936	2,467,685	2,175,525	2,461,784	1,149,016	853,920
Diesel oil	30,195	55,758	32,752	263,212	202,176	135,464
Gas oil	1,068,875	768,652	298,290	165,650	447,944	634,137
Lubricating oil	6,266	4,391	723	2,728	2,008	2,657
Asphalt	355	3,009	83	—	—	1,394

(a) Information not available.

(b) Years ended September 30.

(c) Revised.

(d) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Nicaragua (b)—						
Aviation spirit	4,490	4,549	5,360	} 43,822	50,333	52,562
Motor spirit	20,502	26,448	31,601			
Kerosine	6,636	9,124	12,004	} 16,337	15,187	15,460
Fuel oil	54,625	50,976	51,210			
Lubricating oil	2,759	2,373	3,355	} 5,352	3,435	3,291
Paraffin wax	303	477	473			
Petroleum jelly	134	68	83	} 751	844	723
Natural asphalt	(a)	(a)	(a)			
Panama Republic (b)						
Motor spirit	63,250	65,068	71,538	76,608	77,943	89,909
Kerosine	15,705	15,481	19,269	18,388	20,691	23,740
Diesel oil	34,133	27,944	27,963	34,925	31,858	46,348
Fuel oil	118,891	122,368	91,772	103,666	77,475	91,250
Lubricating oil	2,653	2,681	2,565	2,936	2,812	3,324
Paraffin wax	81	88	261	121	105	126
Asphalt	1,113	944	1,313	1,946	2,988	2,194
St. Pierre and Miquelon—						
Motor spirit	454	2,496	} 3,000	5,546	5,747	(a)
Gas oil and fuel oil	802	15				
Salvador—						
Motor spirit	43,402	48,618	52,883	58,951	66,353	70,789
Kerosine	9,309	12,738	14,176	15,149	16,903	22,326
Gas oil and diesel oil	16,821	17,112	16,233	13,766	16,721	19,794
Fuel oil	58,465	53,239	61,862	54,154	60,916	61,619
Lubricating oil	1,947	1,929	2,939	} 2,795	3,960	3,757
Grease	244	323	331			
Paraffin wax, etc.	663	826	816	756	928	963
Asphalt	1,719	3,414	3,556	3,217	7,080	4,952
United States—						
Crude petroleum	29,643,665	33,287,299	34,602,109	42,039,971	50,063,398	55,175,624
Aviation spirit	13,198	2,244	147	453	9,726	20,912
Motor spirit, etc.	191,968	56,833	135,453	575,709	817,749	1,264,678
Naphtha	11,171	8,286	4,708	6,863	30,225	31,402
Kerosine	3,637	2	2	5,626	29,446	15,922
Fuel oil	19,270,969	20,356,664	19,291,221	22,715,425	24,121,996	25,661,278
Gas oil and diesel oil	489,980	680,179	594,961	692,313	755,862	1,241,109
Unfinished distillates and topped oils	441,113	281,784	1,138,077	929,604	638,650	222,284
Lubricating oil, etc.	112	68	203	113	92	73
Road oil, etc.	12,512	8,456	9,126	1,875	116,001	370,607
Paraffin wax, etc.	1	130	434	39	15	24
Ozokerite and ceresin	220	175	406	632	1,008	1,274
Petroleum jelly	3	4	—	1	1	2
Asphalt (petroleum)	427,511	401,977	553,331	537,708	462,313	704,595
Asphalt and bitumen (natural)	3,751	2,410	3,789	4,454	3,675	3,546
Natural gas (<i>million cu. ft.</i>)	7,807	9,225	6,847	10,888	10,380	23,820
Argentina—						
Crude petroleum	2,965,759	3,542,521	3,586,421	3,655,060	4,344,243	6,056,679
Motor spirit	39,903	47,745	47,720	63,979	47,297	81,379
Kerosine	25,861	9,055	20,133	158,645	127,776	112,063
Gas oil	71,317	86,009	211,073	381,824	336,781	395,967
Fuel oil	2,927,129	2,046,758	2,038,995	2,535,897	3,283,931	2,230,538
Diesel oil	96,655	150,692	106,435	148,977	191,793	234,246
Lubricating oil	49,741	64,067	40,600	38,590	76,750	38,433
Bolivia—						
Crude petroleum, etc.	83,558	71,423	10,619	8,207	2,011	8,339
Aviation spirit	4,384	7,000	11,969	6,089	6,476	5,786
Motor spirit	6,664	18,576	29,006	17,329	69	43
Kerosine	283	5,964	2,213	2,580	96	7

(a) Information not available.

(b) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Bolivia (cont.)—						
Lubricating oil and grease	4,606	4,006	2,780	3,587	5,166	6,694
Paraffin wax, etc.	1,223	1,042	1,598	1,788	777	1,469
Tar, pitch, etc.	1,510	88	116	50	32	93
Brazil (b)—						
Crude petroleum	17,470	29,903	140,150	3,457,572	4,811,892	4,769,580
Aviation spirit	186,566	194,974	214,420	224,442	261,368	260,610
Motor spirit	2,182,130	2,196,099	2,369,613	927,369	461,453	431,523
White spirit	(a)	15,972	25,529	14,403	2,506	1,291
Kerosine	347,293	401,647	529,975	537,852	589,541	385,304
Diesel oil	856,493	1,026,709	1,209,787	1,047,417	1,204,269	875,426
Fuel oil	2,274,067	1,412,125	2,000,715	2,156,839	1,753,857	1,558,403
Lubricating oil	146,201	159,634	205,164	195,931	190,266	183,008
Transformer oil	1,772	873	2,664	771	1,077	3,853
Petroleum jelly	510	225	2,863	1,043	1,329	1,816
Greases	594	149	379	177	39	77
Paraffin wax	6,468	4,120	15,117	7,029	10,242	11,381
Ozokerite and ceresin	(a)	4	149	44	74	142
Asphalt and bitumen	26,295	24,491	34,947	3,761	1,750	727
Chile—						
Aviation spirit	3,143	15,573	14,875	37,200	25,600	(a)
Motor spirit	263,747	265,682	312,830	252,800	82,700	84,500
Kerosine	64,251	73,268	136,500	152,300	138,700	163,800
Diesel oil	101,333	116,571	206,700	171,300	103,300	119,000
Residual fuel oil	666,037	788,010	902,500	1,032,500	776,500	679,000
Lubricating oil	26,477	22,657	25,340	31,977	32,374	(a)
Petroleum jelly	270	874	45	105	(a)	(a)
Greases	1,432	927	878	1,082	1,095	(a)
Paraffin wax	8,726	6,033	6,360	5,024	6,230	6,645
Asphalt, natural	777	1,141	355	606	(a)	(a)
Colombia—						
Aviation spirit	43,044	49,015	55,840	38,472	31,064	21,883
Motor spirit	193,414	303,121	371,160	267,813	256,019	204,835
Kerosine	34,928	58,963	95,281	62,395	54,796	38,323
Gas oil and diesel oil	10,469	15,038	74,286	65,324	47,663	33,403
Fuel oils	44,707	56,847	11,093	12,089	11,633	6,577
Lubricating oil	16,518	15,100	25,430	28,911	28,916	30,040
Petroleum jelly	289	297	407	432	343	506
Paraffin wax	16,051	21,986	23,387	23,733	22,050	24,227
Asphalt, natural	3,276	8,802	11,288	5,069	3,723	3,648
Dutch Guiana—						
Motor spirit	7,229	7,775	8,117	9,097	10,669	11,557
Kerosine	2,613	3,205	3,162	3,605	4,126	3,875
Gas oil	5,102	3,908	7,948	5,857	7,938	
Diesel oil	14,946	17,569	17,111	18,694	19,834	104,618
Fuel oil	53,899	68,219	68,767	61,342	66,757	
Lubricating oil	1,341	1,102	1,480	1,241	1,606	1,433
Greases	197	205	165	269	307	(a)
Paraffin wax	7	6	5	6	5	(a)
Asphalt	1,058	1,417	929	970	2,657	2,050
Ecuador—						
Aviation spirit	(a)	(a)	7,863	(a)	(a)	(a)
Motor spirit	19,461	16,109	20,323	1,382	74,098	(a)
Lubricating oil and greases	2,722	2,013	4,760	3,938	4,118	(a)
Petroleum jelly	63	58	80	73	57	(a)
Paraffin wax	1,820	2,371	2,726	2,359	2,686	(a)
Natural asphalt	2,138	1,108	4,316	4,945	9,227	(a)
French Guiana—						
Motor spirit	5,205	4,162	6,204	6,131	2,149	2,140
Kerosine	—	—			733	763
Fuel oil, etc.	—	—			2,299	1,966

(a) Information not available.

(b) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
(cont.)						
Paraguay—						
Motor spirit	18,800	(a)	(a)	(a)	29,000	(a)
Kerosine	6,000	(a)	(a)	(a)	10,000	(a)
Fuel oil, etc.	5,500	(a)	(a)	(a)	11,000	(a)
Lubricating oil	1,800	(a)	(a)	(a)	1,700	(a)
Peru—						
Aviation spirit	29,493	29,901	44,859	52,080	63,386	82,570
Kerosine	16	7	—	407	—	—
Lubricating oil	10,315	10,768	13,018	12,352	16,274	17,495
Petroleum jelly	74	91	86	105	75	136
Paraffin wax	4,193	4,099	4,460	5,320	5,252	6,095
Asphalt and bitumen	16	11	23	200	207	5,903
Greases	704	727	813	960	1,109	1,461
Ozokerite	1	1	6	2	4	3
Uruguay—						
Crude petroleum	1,040,000	1,185,000	1,274,981	878,372	1,020,240	1,070,000
Motor spirit, etc.	21,100	6,600	3,700	30,000	8,000	7,000
Kerosine	1,500	—	(a)	56,000	17,000	(a)
Gas oil	16	3,341	9,200	5,000	60,000	76,000
Diesel oil	32,400	11,900	19,600	14,000	27,000	47,000
Fuel oil	132,200	21,000	29,300	74,000	227,000	224,000
Lubricating oil and greases						
Paraffin wax	11,581	10,306	16,689	10,726	7,926	13,000
Venezuela (c)—	83	470	(a)	(a)	(a)	(a)
Motor spirit	36,550	55,003	97,767	62,862	38,006	20,878
White spirit	72	25	5,235	27	17	58
Gas oil	1	—	16,619	—	1	113
Fuel oil	2	6	6,002	26	57	16
Lubricating oil and grease						
Paraffin wax	42,457	39,554	47,757	48,230	57,895	67,374
Petroleum jelly	5,146	4,045	3,630	2,835	3,835	4,444
Asphalt, bitumen, etc.	114	2,925	170	121	148	156
Burma (c)—	15,523	694	1,845	2,398	786	2,092
Motor spirit	(a)	49,450	7,605	75,270	82,258	32,976
Kerosine	(a)	12,475	5,202	17,737	23,817	2,658
Gas and diesel oils	(a)	49,452	6,313	44,731	58,024	49,138
Lubricating oil	(a)	8,331	8,681	10,148	17,477	10,722
Paraffin wax	(a)	4,445	864	200	(a)	3
Asphalt	(a)	8,695	8,311	5,170	9,881	11,959
Formosa—						
Motor spirit	6,870	46,312	25,768	1,346	3,101	970
Fuel oil (incl. crude)	(a)	281,798	148,607	750,029	481,599	955,520
Lubricating oil	9,398	5,921	8,456	12,985	10,699	9,561
Grease	587	199	467	276	510	437
Petroleum jelly	161	50	58	34	141	84
Paraffin wax	1,497	636	1,685	660	1,371	1,513
Asphalt	568	650	377	585	158	42
Indo-China—						
Aviation spirit	20,304	27,487	46,752	}	(b)	(b)
Motor spirit	105,193	124,764	115,646			
White spirit	1,627	387	192			
Kerosine	37,311	41,453	48,077			
Gas oil	13,771	17,795	22,198			
Fuel oil	75,873	122,909	145,768			
Lubricating oil	9,674	9,440	9,890			
Grease	568	491	448			
Petroleum jelly	108	209	119			
Asphalt and bitumen	20,792	16,731	15,565			

(a) Information not available.

(b) See under Laos and Vietnam.

(c) Total imports.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957	
FOREIGN COUNTRIES							
<i>(cont.)</i>							
Indonesia—							
Crude petroleum ..	2,175,907	2,242,607	2,097,393	2,635,950	2,523,967	3,225,420	
Motor spirit ..	1,462	12,234	7,337	104,651	116,351	342,556	
Kerosine ..	6,405	8,175	1,052	163	4,876	268	
Fuel and gas oils ..	17,850	13,105	2,756	11,207	24,960	7,458	
Lubricating oil ..	40,419	35,970	33,832	47,981	43,865	46,777	
Paraffin wax ..	135	127	426	618	555	747	
Petroleum jelly ..	923	1,255	981	1,794	1,212	1,065	
Asphalt ..	26,834	24,306	11,942	16,061	29,413	40,661	
Iran (b)—							
Fuel oil ..	46	157	453	(a)	(a)	(a)	
Lubricating oil ..	4,037	7,086	4,348	(a)	(a)	(a)	
Paraffin wax ..	433	707	650	(a)	(a)	(a)	
Petroleum jelly ..	123	195	261	(a)	(a)	(a)	
Iraq—							
Crude petroleum (c) ..	11,607	—	1,245	415	2	(a)	
Motor spirit ..	4,228	703	901	313	47	(a)	
Kerosine ..	219	465	783	338	8	(a)	
Lubricating oil ..	19,190	13,122	11,929	16,977	24,690	(a)	
Greases ..	629	175	129	331	(a)	(a)	
Asphalt and bitumen ..	4,509	16,022	2,448	55	332	(a)	
Israel—							
Aviation spirit ..	10,777	3,038	3,389	(a)	(a)	(a)	
Motor spirit ..	25,770	162,575	168,401	193,692	216,796	189,155	
Kerosine ..	30,637	132,433	130,967	134,246	161,651	154,664	
Gas, diesel and fuel oils (d)							
..	1,027,398	673,030	755,139	861,524	896,327	914,420	
Lubricating oils ..	8,647	6,361	5,913	7,345	10,150	11,817	
Paraffin wax ..	430	522	1,355	508	982	1,382	
Petroleum jelly ..	228	—	—	16	26	78	
Asphalt ..	1,236	730	514	615	381	361	
Turpentine substitute ..	90	252	161	314	141	54	
Japan—							
Crude petroleum ..	3,581,861	4,995,017	6,250,190	7,164,330	9,799,426	12,540,740	
Aviation spirit ..	—	57,164	27,361	59,520	67,584	89,518	
Motor spirit ..	101,809	211,993	281,613	180,656	34,888	17,664	
Kerosine ..	59	3,032	21,937	31,125	2,803	12,972	
Gas oil ..	19,904	79,971	68,688	186,427	90,328	96,918	
Fuel oil ..	1,017,985	2,547,581	2,265,661	2,840,658	2,994,017	4,743,754	
Lubricating oil ..	28,201	31,469	38,393	26,175	42,401	82,390	
Grease ..	1,318	1,396	1,315	973	1,372	1,045	
Petroleum jelly ..	569	1,528	1,725	1,354	3,068	3,095	
Paraffin wax ..	4,073	2,070	649	820	1,730	947	
Gilsonite ..	545	1,304	1,651	1,260	1,666	1,891	
Asphalt and pitch ..	1,020	1,467	505	886	1,277	2,210	
Petroleum coke ..	284,225	191,613	112,153	123,970	217,012	244,425	
Jordan—							
Crude petroleum ..	(a)	(a)	11,211	12,756	12,246	16,635	
Motor spirit ..	(a)	(a)	21,357	29,533	35,156	36,107	
Kerosine ..			23,299	25,037	32,006	39,732	33,944
Fuel oil, etc. ..			22,709	23,851	34,562	45,021	46,085
Lubricating oil ..			1,529	1,465	2,541	2,471	3,042
Natural asphalt ..			4,942	6,778	1,474	4,144	5,094	(a)
Laos—							
Aviation spirit ..	(e)	(e)	(e)	2,149	5,567	(a)	
Motor spirit ..				3,887	8,428	(a)	
Kerosine ..				1,135	1,937	(a)	
Gas oil ..				1,156	1,906	(a)	
Fuel oil ..				168	728	(a)	
Lubricating oil ..				566	718	(a)	

(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.

(e) See under Indo-China.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Lebanon—						
Crude petroleum	549,031	535,872	537,048	899,703	985,937	1,034,925
Motor spirit	94,780	104,439	116,309	118,428	114,334	129,763
Kerosine	34,050	36,487	35,546	37,133	41,725	49,157
Fuel oil	134,280	(a)	177,815	239,692	279,765	313,304
Lubricating oil	(a)	(a)	4,521	5,223	4,893	5,699
Philippine Republic—						
Crude petroleum	—	—	—	260,731	459,271	283,345
Aviation spirit	20,921	19,353	19,614	21,453	29,388	34,895
Motor spirit	457,081	438,968	439,946	348,980	364,423	303,165
Kerosine	135,726	142,560	147,710	131,717	158,155	132,649
Diesel oils	319,762	311,049	378,589	610,230	294,281	353,412
Fuel oil	346,728	354,522	495,962	329,311	353,689	430,741
Lubricating oils	39,261	30,957	40,558	40,518	40,023	39,697
Grease	2,320	2,119	2,625	2,143	9,524	2,958
Petroleum jelly	423	707	2,004	6,400	1,120	1,160
Paraffin wax	3,402	4,752	4,957	5,883	3,190	5,081
Asphalt	10,282	32,337	3,418	24,818	13,319	27,890
Portuguese India—						
Motor spirit	4,756	9,000	6,613	10,885	(a)	(a)
Kerosine	3,811	4,000	5,093	5,458	(a)	(a)
Lubricating oils	545	1,000	489	778	(a)	(a)
Other oils	4,622		5,350	6,797	(a)	(a)
Syria—						
Motor spirit	78,284	81,716	91,131	81,941	97,304	94,297
Kerosine	47,131	50,015	56,124	55,480	64,177	69,482
Fuel oil and diesel oil	217,963	255,562	322,999	354,396	429,586	419,982
Lubricating oil	5,445	7,088	7,221	10,707	9,716	11,114
Natural asphalt	1,870	849	984	487	2,871	913
Thailand (b)—						
Aviation spirit	138,129	136,699	108,593	34,031	19,079	11,982
Motor spirit				116,180	214,367	277,166
Kerosine	75,321	73,807	84,058	79,141	93,133	83,584
Gas, diesel and fuel oils	170,869	243,622	127,695	177,771	413,956	461,921
Lubricating oil	(a)	(a)	18,647	24,743	26,021	32,346
Grease	(a)	(a)	1,183	1,163	1,352	1,773
Paraffin wax	(a)	(a)	(a)	1,277	1,016	1,603
Petroleum jelly	(a)	(a)	(a)	745	624	725
Asphalt	(a)	6,622	7,001	23,778	22,672	28,655
Turkey—						
Motor spirit	276,246	324,189	298,603	288,105	222,107	265,652
Kerosine	199,326	224,504	235,688	229,605	201,605	250,453
Gas and diesel oils	215,474	297,707	315,030	348,698	295,992	435,121
Fuel oil	58,731	33,228	27,793	24,359	27,036	25,582
Lubricating oils	44,472	57,453	52,440	50,790	43,288	57,334
Paraffin wax and petroleum jelly	762	825	1,518	1,438	559	292
Asphalt	9,674	5,886	16,387	9,766	136	46
Vietnam—						
Aviation spirit	(c)	(c)	(c)	173,064	4,275	17,007
Motor spirit					123,821	136,148
Kerosine	(c)	(c)	(c)	144,332	47,762	54,582
Gas oil					19,110	29,913
Fuel oils	(c)	(c)	(c)	144,332	112,625	129,022
Lubricating oils and grease					6,565	(a)
Petroleum jelly				64	103	(a)
Paraffin wax				2,421	1,873	(a)

(a) Information not available.

(c) See under Indo-China.

(b) Revised.

IMPORTS OF PETROLEUM AND ALLIED PRODUCTS (*cont.*)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957	
FOREIGN COUNTRIES (<i>cont.</i>)							
French Polynesia—							
Motor spirit	3,139	2,597	} 9,006	{ 3,453	2,948	3,581	
Kerosine	1,578	1,169			1,280	1,680	1,676
Other oils	4,662	4,582			5,806	5,948	7,645
New Caledonia—							
Motor spirit	8,266	9,685	8,544	10,331	11,850	14,317	
Kerosine	2,291	2,185	2,496	2,684	3,095	3,299	
Gas and fuel oils ..	5,615	6,094	7,735	14,347	21,829	31,992	
Lubricating oil, etc. ..	827	628	893	857	1,160	1,523	

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

Producing Country	Estimated Tribasic Phosphate of Lime Content or equivalent.											
	1952	1953	1954	1955	1956	1957	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES												
Seychelles (b) (c) ..	10,944	8,719	11,676	785	4,123	6,136	(a)	(a)	(a)	(a)	(a)	(a)
Somaliland Protectorate							210	140			74	
(b) (c) ..	521	358	—	239	196	—	(a)	(a)	90		—	(a)
South West Africa (guano)	1,648	1,579	(e) 811	1,736	—	2,527	(a) 90	(a) 50	(a)	50	—	(a) 2
Tanganyika (e) ..	166	98	60	103	3	3	(a)	2,700	1,600	1,500	1,500	1,300
Uganda (apatite) ..	4,931	5,363	2,867	3,160	2,914	2,559	(a)					
Union of South Africa—												
Phosphate rock ..	95,044	78,860	93,008	133,721	154,316	166,433	33,300	27,600	32,600	59,000	71,000	82,000
Guano ..	(a)	5,114	4,932	4,909	4,092	(a)	(a)	1,200	1,200	1,200	1,000	(a)
Jamaica (e) ..		707	714	477	385	101	(a)	(a)	(a)	(a)	(a)	(a)
Christmas Island (c) ..	349,158	280,192	350,960	390,226	340,611	335,569	297,000	238,000	298,000	332,000	290,000	285,000
India (apatite) ..	445	4,359	2,292	5,362	8,785	9,178	(a)	(a)	(a)	(a)	(a)	(a)
Sarawak (e) ..	696	632	620	402	385	465	(a)	(a)	(a)	(a)	(a)	(a)
Australia ..	5,544	3,368	6,120	6,371	6,788	11,430	(a)	(a)	(a)	(a)	(a)	(a)
Nauru Island (c) ..	1,145,650	1,159,750	1,178,150	1,401,250	1,332,600	1,105,250	986,000	998,000	1,013,000	1,205,000	1,146,000	951,000
Ocean Island (c) ..	275,600	282,362	292,200	308,850	297,150	292,150	238,000	243,000	251,000	266,000	255,000	251,000
TOTAL ..	1,890,000	1,830,000	g 1,944,000	g 2,258,000	2,152,000	1,936,000						
FOREIGN COUNTRIES												
Belgium (f) ..	85,885	54,958	34,716	19,290	13,414	15,854	(a)	(a)	(a)	(a)	(a)	(a)
France (f) ..	100,136	86,000	116,510	100,872	89,243	74,000	(a)	20,500	(g) 31,000	(g) 26,000	22,000	17,000
Spain ..	23,103	21,516	21,873	23,060	8,480	1,488	15,000	14,000	15,000	15,000	5,500	1,000
Sweden (apatite) ..	21,084	8,634	—	—	—	—	10,497	3,804	—	—	—	—
U.S.S.R. (d) (g) ..	3,590,000	3,965,000	4,430,000	4,870,000	5,265,000	5,660,000	(a)	(a)	(a)	(a)	(a)	(a)

(a) Information not available.

(b) Phosphatic guano.

(c) Exports.

(d) Estimated by U.S. Bureau of Mines. Apatite and phosphate rock.

(e) Bat guano.

(f) Including Phosphatic chalk.

(g) Revised.

PRODUCTION OF PHOSPHATE-ROCK (cont.)
(Long tons)

Producing Country	Estimated Tribasic Phosphate of Lime Content or equivalent.						
	1952	1953	1954	1955	1956	1957	
FOREIGN COUNTRIES							
Algeria	691,491	608,950	746,000	740,000	596,000	595,820	
Egypt	518,878	476,480	526,245	636,466	605,000	(i) 590,000	
French West Africa (e)	21,060	45,096	5,400	5,400	5,200	—	
Madagascar	1,284	1,531	1,321	1,827	3,207	3,459	
Morocco (Southern)	3,890,700	4,090,366	4,940,200	5,244,693	5,435,608	5,479,588	
Tunis	2,228,890	1,691,388	1,794,563	2,165,987	2,044,021	2,034,674	
Netherlands West Indies	99,547	88,644	b 123,959	b 92,725	b 101,206	(b) 91,338	
United States	11,400,000	12,503,830	13,821,100	12,265,248	15,747,000	13,976,000	
Brazil (d)	(c) 12,500	(c) 12,500	(c) 15,000	c 123,000	123,000	123,000	
Chile (apatite)	45,044	58,241	41,177	51,504	58,125	(f) 54,000	
Peru (f)	(g) 295,000	257,000	289,000	285,000	331,000	280,000	
Venezuela	—	—	—	—	30,000	30,000	
China (d)	20,000	26,000	36,980	40,000	24,300	(a)	
Israel	(a)	22,735	56,572	70,705	115,295	148,000	
Jordan	(c) 25,000	40,000	73,666	161,014	205,263	257,761	
Philippine Republic (f)	(a)	630	1,800	148	7,762	3,685	
Vietnam (North)(d) (h)	—	—	—	—	—	200,000	
Angaur Island	82,580	96,845	93,846	76,882	—	—	
French Oceania (Makatea)	263,000	271,500	290,000	221,000	255,000	303,600	
TOTAL (g)	23,440,000	24,430,000	27,460,000	27,190,000	31,060,000	29,950,000	
WORLD'S TOTAL (g)	25,330,000	26,260,000	29,400,000	29,450,000	33,210,000	31,890,000	

(a) Information not available.

(b) Exports.

(c) Estimated.

(d) Source: International Superphosphate Manufacturers' Association.

(e) In addition, the following amounts of aluminum phosphates were produced (long tons):—1952—42,469; 1953—51,598; 1954—72,000; 1955—102,802; 1956—67,100; 1957—88,441.

(f) Guano.

(g) Revised.

(h) Delivered.

(i) United States Bureau of Mines' estimate.

PRODUCTION OF SUPERPHOSPHATES†

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom	770,547	1,007,762	873,068	870,541	940,872	890,335
Union of South Africa*	424,859	511,246	496,118	545,811	557,126	603,705
Canada* (e)	205,000	179,962	194,858	184,286	179,358	184,401
India (f)	46,650	48,294	105,056	74,165	81,168	141,684
Australia (c)	1,597,080	1,581,001	1,771,277	1,956,735	1,916,237	1,975,015
New Zealand (d)	598,899	680,497	878,700	947,002	871,800	866,200
Irish Republic*	121,121	169,210	170,144	166,535	146,058	122,263
FOREIGN COUNTRIES						
Austria*	—	—	15,000	49,777	42,291	43,600
Belgium*	218,768	157,572	276,012	222,986	263,823	(e) 241,000
Czechoslovakia	217,000	237,000	271,000	312,000	324,000	(a)
Denmark	400,910	433,393	422,470	350,971	344,192	301,929
Finland (b)	278,776	304,300	289,717	256,010	325,043	350,968
France	846,262	916,800	1,053,700	1,055,100	1,068,509	1,139,000
Germany (Federal)	564,732	501,222	434,851	349,145	413,506	(a)
Germany (East)	123,000	273,000	290,000	286,000	391,000	399,000
Greece*	128,025	117,033	197,309	222,007	169,615	193,448
Hungary	121,151	161,225	166,091	155,745	147,418	162,295
Italy	1,614,060	1,781,166	1,988,750	1,944,556	1,867,915	1,822,814
Netherlands*	394,607	574,900	689,314	689,911	652,802	663,661
Norway	76,481	90,640	121,595	91,489	108,040	112,264
Poland (e)	250,000	418,600	487,700	530,800	493,500	543,000
Portugal	349,032	372,533	363,525	392,469	377,413	434,785
Roumania	17,800	18,300	(a)	(a)	(a)	(a)
Spain	1,245,316	1,271,472	1,433,428	1,440,899	1,543,150	1,573,355
Sweden	490,062	517,398	574,865	595,093	565,958	751,365
Switzerland*	12,900	9,400	9,488	15,600	16,200	18,600
U.S.S.R. (e)	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Yugoslavia (f)	48,000	42,000	78,000	126,000	162,000	213,000
Canary Islands	22,000	22,404	20,786	21,942	25,218	(a)
Egypt	104,160	95,393	148,067	134,886	154,044	174,676
Algeria	100,033	92,797	129,029	116,473	78,280	(a)
Morocco (Southern)	77,400	75,800	94,428	89,000	(a)	76,000
Tunis	51,890	29,674	96,321	116,695	105,000	126,000
Cuba* (e)	27,000	26,000	30,000	30,000	30,000	40,000
Mexico*	57,600	75,000	64,993	64,600	76,031	83,250
United States*	10,869,735	10,652,093	10,573,051	11,460,810	11,118,025	10,969,832
Brazil* (e)	72,000	(e) 72,000	(e) 72,000	64,000	(e) 75,000	75,000
Colombia*	2,000	2,000	2,000	2,000	2,000	(a)
Uruguay*	4,000	4,000	17,000	25,600	29,500	29,500
Formosa	61,084	68,053	76,816	78,922	99,123	(e) 100,000
Israel	24,051	34,411	75,353	99,694	115,000	92,888
Japan	1,333,899	1,490,541	1,824,234	1,921,187	2,213,319	1,834,911
Turkey	20,899	21,653	20,252	17,901	10,028	11,847
WORLD'S TOTAL (f)	27,000,000	28,000,000	30,000,000	31,000,000	31,000,000	31,000,000

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

*Source: International Superphosphate Manufacturers' Association.

(a) Information not available.

(b) Including "Korka" 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) Revised.

PRODUCTION OF BASIC SLAG

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain (b) ..	466,805	600,782	540,833	483,300	615,392	619,712
FOREIGN COUNTRIES						
France	1,435,397	1,297,230	1,376,912	1,679,445	1,729,207	1,605,000
Germany (Federal) ..	1,780,000	1,613,000	1,796,000	2,324,000	2,463,000	2,515,000
Germany (East) ..	77,000	80,000	80,000	74,000	75,000	81,000
Italy	32,398	42,693	56,365	63,200	54,895	74,617
Luxemburg	565,581	507,400	551,933	673,136	732,690	724,500
Saar	425,668	399,492	440,627	503,933	532,162	549,374
Sweden	11,364	14,048	14,103	18,249	14,988	13,947

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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Phosphatic fertilizers ..	1,663	3,604	2,769	2,612	1,111	1,313
Seychelles—						
Phosphatic guano ..	10,944	8,719	11,676	785	4,123	6,136
Somaliland Protectorate—						
Phosphatic guano ..	521	358	—	239	196	—
South West Africa—						
Phosphatic guano ..	1,633	1,579	582	1,471	—	(a)
Uganda—						
Phosphates	4,931	5,363	2,867	3,105	2,399	2,641
Union of South Africa—						
Superphosphates ..	32,172	36,770	36,058	38,625	24,517	22,145
Canada—						
Phosphatic fertilizer ..	134,148	157,986	171,503	(£6,330,387)	(£5,639,337)	(£4,848,807)
Christmas Island (b)—						
Phosphate-rock ..	349,158	280,192	350,960	390,226	340,611	335,569
Hong Kong (c)—						
Superphosphates, basic slag, etc.	(a)	2,044	—	—	—	—
Malaya (c)—						
Phosphatic fertilizers ..	249	114	116	32	12	138
Australia (d)—						
Superphosphates ..	990	1,298	1,605	2,137	1,727	1,742
New Zealand—						
Superphosphates ..	5	5	18	37	48	95
Nauru Island—						
Phosphate-rock ..	1,145,650	1,159,750	1,178,150	1,401,250	1,332,600	1,105,250
Ocean Island—						
Phosphate-rock ..	275,600	282,362	292,200	308,850	297,150	292,150
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E. U.—						
Phosphate-rock ..	35,279	2,546	7,003	71	880	836
Superphosphates ..	183,851	137,343	136,759	97,205	121,871	95,833
Di-calcium phosphate ..	67,729	101,336	107,143	133,560	135,894	148,287
Basic slag	938,073	961,838	1,081,764	1,184,450	1,331,408	1,501,980
Denmark—						
Superphosphates ..	46	81	—	—	—	—
France—						
Phosphate-rock ..	2,744	849	314	1,353	36	140
Superphosphates ..	61,151	25,331	21,705	22,019	15,603	23,362
Basic slag	297,527	295,457	281,485	301,841	283,239	355,771
Di-calcium phosphates	262	4,211	4,093	824	932	1,086
Germany (Federal)—						
Phosphate-rock ..	—	—	—	1	—	99
Superphosphates ..	18,375	28,967	21,005	11,142	16,308	12,433
Basic slag	103	45,308	44,612	121,009	92,497	146,215
Hungary—						
Superphosphates ..	—	—	1,203	26,866	25,098	22,012
Italy—						
Superphosphates ..	105,238	75,717	108,352	70,507	92,463	120,430
Netherlands—						
Superphosphates ..	377,725	267,471	278,419	305,535	319,782	344,519
Norway—						
Superphosphates ..	—	—	—	2,188	4,529	5,019
Portugal—						
Superphosphates ..	17,627	16,189	21,428	12,958	21,676	12,205

(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.)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Spain—						
Superphosphates, etc.	24,917	23,982	241	234	145	102
Sweden—						
Basic slag	2,461	—	10,296	9,767	21,404	24,883
U. S. S. R.—						
Apatite ore	(a)	(a)	(a)	88,400	80,600	42,000
do. concentrates	(a)	(a)	(a)	884,500	1,106,000	1,241,800
Superphosphates	(a)	(a)	(a)	47,400	62,600	119,600
Algeria—						
Phosphate-rock	592,279	530,277	676,673	711,706	569,477	563,766
Superphosphates	7,781	16,743	9,367	4,742	6,096	7,925
Egypt—						
Phosphate-rock	416,128	373,128	388,839	414,304	408,536	(a)
French West Africa—						
Phosphate rock	5,383	17,745	14,980	12,942	9,350	21,238
Aluminium phosphates	38,266	45,618	57,736	74,111	63,481	67,758
Morocco (Southern)—						
Phosphate-rock	3,816,654	4,047,968	4,867,312	5,167,722	5,472,398	5,320,405
Hyperphosphates	(a)	(a)	(a)	(a)	4,439	14,932
Tunis—						
Phosphate-rock	1,725,117	1,480,051	1,895,133	1,888,283	1,747,733	1,708,710
Hyperphosphates	108,587	82,245	22,558	42,897	100,887	103,722
Superphosphates	(a)	11,268	53,418	61,236	71,650	90,040
Netherlands West Indies—						
Phosphate-rock	107,140	94,518	118,923	92,725	101,206	91,338
United States—						
Phosphate-rock	1,429,284	2,100,798	2,385,013	2,267,648	2,880,484	3,126,215
Superphosphates (b)	259,091	250,738	390,834	376,614	494,025	561,424
Angaur Island—						
Phosphate-rock	82,580	96,845	93,846	76,882	—	—
French Polynesia (Makatea)—						
Phosphate-rock	210,182	241,069	225,280	222,608	260,742	300,400
Japan—						
Superphosphates	39,368	83,668	143,887	206,001	320,263	195,436
Jordan—						
Phosphate-rock	24,547	38,384	42,808	148,242	154,529	210,320

(a) Information not available.

(b) Including concentrated superphosphate.

IMPORTS OF PHOSPHATES, Etc.

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Phosphate-rock	962,688	1,078,635	1,110,294	1,132,274	1,181,894	1,102,422
Guano, raw	1,262	780	1	613	—	—
Superphosphates	34,995	17,651	1,565	1,901	2,905	2,581
Basic slag	68,321	137,324	45,588	79,057	91,673	110,318
Kenya—						
Superphosphates, basic slag, etc.	8,805	10,841	7,776	20,954	10,316	15,736
Mauritius—						
Phosphatic guano	2,331	2,326	4,744	2,425	5,271	7,175
Superphosphates, basic slag, etc.	472	192	258	167	767	1,913
Nigeria—						
Phosphate-rock	(a)	(a)	1,362	238	487	2
Superphosphates	(a)	(a)	118	112	117	511
Other phosphatic fertilizers	(a)	(a)	80	1,401	897	987
Southern Rhodesia—						
Superphosphates	33,781	42,306	(b) 49,980	(b) 52,729	(b) 41,178	(b) 60,777
South West Africa—						
Superphosphates	929	658	564	(c)	(c)	(c)
Tanganyika—						
Superphosphates, basic slag, etc.	663	269	1,116	545	1,433	2,246
Uganda—						
Superphosphates, basic slag, etc.	22	25	8	446	648	686
Union of South Africa—						
Phosphate-rock	375,477	253,570	344,852	(d) 352,935	(d) 471,712	(d) 400,556
Phosphatic guano	1,436	1,954	1,776	9	—	(a)
Superphosphates	3	13	318	(d) 40,792	(d) 34,947	(d) 9,323
Basic slag	—	15,461	24,440	(d) 30,536	(d) 20,862	(d) 45,346
Canada—						
Phosphate-rock	420,458	514,732	575,768	525,186	560,400	645,732
Superphosphates, triple do., other	192,219	182,668	{ 17,769 160,942	{ 31,539 157,092	{ 34,364 164,278	{ 40,518 146,202
Basic slag	—	893	1,410	—	1,000	500
Other phosphatic ferti- lizers	(a)	(a)	3,348	2,369	1,575	2,527
British West Indies—						
Jamaica—						
Phosphatic fertilizers	431	188	444	1,043	714	2,800
St. Vincent—						
Superphosphates	161	156	12	120	67	(a)
Trinidad and Tobago—						
Superphosphates	809	598	588	1,610	1,734	2,430
Basic slag	25	—	24	19	20	20
British Guiana—						
Superphosphates, basic slag, etc.	668	859	3,042	3,971	4,681	4,265
Ceylon—						
Phosphate-rock	26,171	31,271	43,626	28,290	37,973	28,470
Superphosphates	892	1,749	2,344	2,961	3,443	8,050
Basic slag	183	188	129	45	168	224
Other phosphatic ferti- lizers	(a)	(a)	(a)	14,483	15,929	25,595
Cyprus—						
Superphosphates	20,853	26,006	31,007	19,820	38,567	{ 38,633 102
Basic slag, etc.						

(a) Information not available.

(c) Included with Union of South Africa.

(b) Federation of Rhodesia and Nyasaland.

(d) Includes South West Africa.

IMPORTS OF PHOSPHATES, Etc. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Hong Kong (total imports)—						
Superphosphates, basic slag, etc.	29	2,067	161	177	357	169
India—						
Phosphate-rock	} 23,325	21,967	71,380	{ (c)30,326 (d)33,657	45,874	115,895
Other phosphates					9,800	47
Superphosphates					260	3,687
Ammonium phosphate					—	10
Malaya (total imports)—						
Phosphate-rock	—	—	50	—	1,000	31,163
Phosphatic fertilizers	1,376	1,296	3,074	3,790	6,437	10,843
North Borneo—						
Phosphate-rock	(a)	(a)	104	84	284	177
Superphosphates	(a)	(a)	11	23	5	27
Pakistan—						
Superphosphates	(b) 62	(b) —	(b) —	(b) —	38	—
Sarawak—						
Natural phosphates	(a)	(a)	175	41	5	19
Phosphatic fertilizers	(a)	(a)	2,600	1,592	787	1,065
Australia (e) (f)—						
Phosphate-rock	1,014,100	1,271,139	1,143,330	1,086,884	1,418,524	1,321,607
Superphosphates	2,032	1	—	—	—	150
New Zealand—						
Phosphate-rock	653,933	442,122	518,306	573,568	587,778	539,639
Phosphatic guano	13,236	—	9,897	—	—	—
Superphosphates	477	176	3,382	7,517	3,317	249
Basic slag	47,101	36,998	87,555	65,743	60,193	50,050
Other phosphates	21,762	15,169	11,984	114	19	516
Irish Republic—						
Phosphate-rock	98,985	118,959	121,281	107,300	114,173	73,387
Superphosphates	31,453	12,236	29,979	63,631	56,744	66,998
Basic slag	28,297	35,718	32,096	48,924	48,348	44,337
Other phosphatic fertilizers	173	3,581	4,180	6,392	563	12,335
FOREIGN COUNTRIES						
Austria—						
Phosphate-rock	79	438	24,218	57,217	20,507	39,373
Superphosphates	91,597	70,912	113,558	73,945	109,488	135,000
Basic slag	112,886	98,927	153,840	131,836	154,274	199,718
Belgium-Luxemburg						
E.U.—						
Phosphate-rock	349,089	325,270	426,733	387,523	444,246	475,986
Superphosphates	—	12	46	—	46	—
Di-calcium phosphates	165	69	146	29	3	2
Basic slag	9,260	10,040	213	154	68	508
Denmark—						
Phosphate-rock	243,333	241,555	271,494	237,303	279,086	265,813
Superphosphates	66,831	96,662	67,234	38,195	109,734	126,839
Basic slag	—	—	1,274	4,228	5,563	5,163
Finland—						
Phosphate-rock	253,218	141,870	187,880	152,310	180,878	303,001
Superphosphates	19,684	1,322	38,082	53,059	19,643	—
Basic slag	—	—	—	4,194	18,702	—
Di-calcium phosphates	5,147	5,855	9,337	10,261	11,723	8,701

(a) Information not available.

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

(c) April to December only.

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

(e) Years ended June 30 of that stated.

(f) Revised.

IMPORTS OF PHOSPHATES, Etc. (cont.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
France—						
Phosphate-rock	906,716	1,033,856	1,342,223	1,450,048	1,437,221	1,412,749
Aluminium phosphates	(a)	(a)	(a)	(a)	25,356	65,528
Superphosphates	146	5,110	18,256	29,626	46,831	55,643
Basic slag	—	15	1,185	83,624	274,968	273,900
Di-calcium phosphates	8,012	6,073	10,847	7,649	12,249	19,597
Germany (Federal)—						
Phosphate-rock, etc.	783,297	580,401	857,772	941,486	889,700	1,047,246
Superphosphates	391	748	1,225	1,142	1,978	2,559
Basic slag	316,183	193,808	325,391	322,013	230,250	409,429
Greece—						
Phosphate-rock	(a)	(a)	138,432	153,135	136,473	151,007
Hungary—						
Phosphate-rock	75,006	85,925	97,740	78,094	112,383	74,471
Iceland—						
Superphosphates	1,821	3,448	3,888	3,908	5,906	6,063
Italy—						
Phosphate-rock	953,444	1,164,201	1,260,768	1,287,086	1,450,580	1,279,100
Superphosphates	—	—	1	685	2	353
Basic slag	23,942	60,983	65,007	82,519	94,199	68,324
Netherlands—						
Phosphate-rock	425,661	438,618	553,353	520,127	508,319	549,133
Superphosphates	338	1,000	525	1,178	125	122
Basic slag	353,670	354,418	382,976	294,666	292,415	305,736
Di-calcium phosphates	6,948	15,364	7,668	16,340	27,697	23,250
Norway—						
Phosphate-rock	69,011	70,348	86,973	92,501	123,182	148,239
Superphosphates	39,875	45,786	15,476	14,490	—	(a)
Basic slag	6,409	6,239	7,343	4,881	6,182	6,579
Portugal—						
Phosphate-rock	241,351	243,582	235,900	228,330	252,625	245,078
Superphosphates	(a)	(a)	472	6,525	—	2,461
Basic slag	5,788	8,266	10,296	18,862	12,379	13,760
Spain—						
Phosphate-rock	707,237	658,966	712,610	693,574	824,966	833,945
Superphosphates, etc.	—	—	—	10	2,921	1
Basic slag	—	9,627	6,923	46,901	55,397	63,632
Sweden—						
Phosphate-rock	308,011	303,995	354,281	307,461	344,657	346,338
Superphosphates	8,423	—	—	—	706	1,847
Switzerland—						
Phosphate-rock (b)	18,000	24,000	25,000	24,000	24,000	24,000
Superphosphates, etc.	14,111	12,694	15,949	12,835	12,112	12,941
Basic slag	110,045	141,259	154,908	160,315	150,643	158,493
Yugoslavia—						
Phosphate-rock	16,092	65,148	39,276	74,821	91,337	159,294
Superphosphates	(a)	—	1,411	2,140	6,855	90,397
Basic slag	(a)	1,290	23,033	74,091	42,620	82,235
Algeria—						
Superphosphates	391	2,515	4,971	8,135	5,828	7,122
Basic slag	3,689	2,454	3,283	3,080	1,513	2,472
Di-calcium phosphates	2,033	1,371	1,470	958	1,628	2,194
Egypt—						
Superphosphates	66,577	1,008	—	—	(a)	(a)
Morocco (Northern)—						
Superphosphates (incl. bone meal)	859	6,025	6,946	5,281	881	(a)
Tunis—						
Superphosphates	(a)	9,198	4,155	49	374	2,564

(a) Information not available.

(b) Estimated on imports from producing countries.

IMPORTS OF PHOSPHATES, ETC. (cont.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Cuba (c)—						
Superphosphates ..	47,521	10,121	18,095	29,272	59,656	(a)
Calcium phosphates ..	5,658	4,048	4,201	25,931	6,088	(a)
Dominican Republic (c)—						
Superphosphates ..	(a)	(a)	(a)	(a)	4,594	9,355
Mexico (c)—						
Phosphate-rock ..	(a)	(a)	(a)	(a)	50,800	62,553
Superphosphates ..	1,060	5,013	15,965	13,348	10,408	12,553
Ammonium phosphates	(a)	(a)	(a)	(a)	9,903	12,471
United States—						
Phosphate-rock ..	110,371	101,171	122,016	117,256	109,891	109,546
Superphosphates ..	8,258	5,240	3,969	1,684	953	1,102
Basic slag	—	79	34	2,281	5,049	111
Di-calcium phosphates	1,542	4,483	5,142	1,172	3,556	1,685
Ammonium phosphates	119,032	148,658	146,547	209,396	170,155	151,318
Brazil (c)—						
Phosphate-rock ..	55,429	115,426	120,649	110,533	116,894	109,878
Superphosphates ..	71,616	69,840	90,415	95,965	104,175	112,276
Basic slag	(a)	98	1,912	8,640	9,156	12,676
Di-calcium phosphates	(a)	1,865	4,600	3,793	5,236	1,997
Chile—						
Superphosphates ..	30	2,021	252	—	(a)	(a)
Di-calcium phosphates	324	24,968	18,249	5,883	(a)	(a)
Colombia—						
Phosphate-rock ..	1,735	1,343	1,003	1,098	499	3,656
Superphosphates ..	2,823	63	2,218	7,683	15,302	27,898
Di-calcium phosphates	2,824	9,405	21,945	26,103	26,321	26,362
Peru—						
Phosphate-rock ..	—	—	687	2,247	—	2,936
Phosphatic fertilizers ..	258	449	3,238	5,930	8,662	6,219
Venezuela (c)—						
Calcium phosphates and superphosphates ..	281	1,020	1,195	2,036	8,502	9,876
Formosa—						
Apatite	—	41,524	55,252	28,981	51,835	73,059
Phosphatic fertilizers ..	351	30,018	12,696	51,190	35,235	8,350
Indo-China—						
Phosphate-rock ..	25,046	26,003	22,995	(a)	(a)	(a)
Indonesia—						
Superphosphates ..	18,773	7,439	5,958	11,059	16,250	24,959
Phosphatic fertilizers ..	5,324	15,562	11,303	18,743	23,713	13,221
Japan—						
Phosphate-rock ..	962,330	1,042,770	1,361,810	1,620,459	1,659,848	1,532,086
Korea—						
Superphosphates ..	(b) 106,068	(b) 14,951	(b) 27,363	(a)	(a)	(a)
Lebanon—						
Phosphatic fertilizers ..	5,652	4,294	8,519	7,233	19,351	14,267
Philippine Republic—						
Superphosphates ..	2,988	7,591	6,436	2,556	2,899	3,005
Ammonium phosphate	44,826	46,778	23,706	13,487	11,247	39,840
Turkey—						
Phosphate-rock ..	15,312	10,684	17,430	35,846	29,691	5,920

(a) Information not available.

(c) Total imports.

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

PLATINUM
PRODUCTION OF PLATINUM METALS
(Troy ounces)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Sierra Leone—						
Crude platinum	—	—	—	—	—	5
Union of South Africa—						
Crude (<i>Pt metals content</i>)	72,701	90,292	101,921	109,267	124,078	} 603,704
Matte (<i>Pt metals content</i>)	159,820	208,885	236,241	272,465	360,496	
Osmiridium (crude) (<i>b</i>)	6,141	6,966	6,266	7,095	6,696	5,361
Canada—						
Recovered from Ontario nickel-copper ores (<i>c</i>)—						
Platinum	122,317	137,545	154,356	170,494	151,357	196,077
Other platinum metals	157,407	166,018	189,350	214,252	163,451	213,285
Australia—						
New South Wales—						
Concentrates (<i>Pt content</i>)	—	—	23	7	18	17
Tasmania—						
Osmiridium	51	59	16	21	25	66
New Zealand—						
Crude platinum	4	2	1	—	—	—
New Guinea—						
Platinum	7	6	19	10	9	14
FOREIGN COUNTRIES						
U.S.S.R.—						
Crude platinum (<i>d</i>)	100,000	100,000	100,000	(<i>f</i>) 125,000	125,000	125,000
Belgian Congo—						
Platinum	—	—	—	—	25	25
Palladium	—	—	—	—	135	300
Ethiopia—						
Crude platinum	100	566	230	(<i>d</i>) 350	300	(<i>d</i>) 300
United States (<i>e</i>)—						
Crude platinum	28,220	20,868	18,952	15,377	16,147	13,838
New platinum metals recovered by refineries from gold and copper ores of domestic origin—						
Platinum	1,969	1,199	1,375	1,810	1,466	1,172
Palladium	4,196	3,989	3,908	5,879	4,163	3,798
Iridium, osmiridium, etc...	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):

	1952	1953	1954	1955	1956	1957
Osmium	1,639	1,823	1,978	2,003	2,189	2,068
Iridium	1,542	1,700	1,787	1,797	1,979	1,837
Ruthenium	774	837	896	881	956	877
Platinum	679	726	733	751	863	718
Rhodium	48	56	57	62	64	81

(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):

	1952	1953	1954	1955	1956	1957
Platinum	28,628	29,547	31,330	32,901	60,916	49,022
Palladium	25,540	30,494	31,190	26,124	37,774	31,294
Iridium	1,030	853	734	1,499	1,751	1,406
Other platinum metals	3,403	3,963	2,445	3,812	5,828	5,799

(f) Revised.

PRODUCTION OF PLATINUM METALS (cont.)
(Troy ounces)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Colombia (b)—						
Crude platinum ..	(d) 19,801	(d) 29,202	(d) 28,465	(d) 27,526	26,215	19,830
Japan—						
Platinum	484	987	1,347	628	483	425
Palladium	85	71	248	221	218	(e) 200
WORLD'S TOTAL (c)	(d) 670,000	(d) 770,000	840,000	(d) 950,000	980,000	1,183,000

(a) Information not available.

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

(c) Estimated.

(d) Revised.

(e) United States Bureau of Mines' estimate.

EXPORTS OF PLATINUM*

(Domestic Produce)

(Troy ounces)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Platinum—						
Ingots, grain and powder	135,064	61,465	25,221	139,710	156,317	268,318
Other kinds (d) ..	49,968	186,217	182,562	211,728	204,900	144,334
Other platinum metals and alloys	184,687	203,973	183,449	271,879	285,408	191,544
Union of South Africa—						
Osmiridium	5,210	6,219	5,586	6,320	37,835	6,138
Crude platinum metals	176,362	256,208	267,645	363,025	286,770	364,109
Canada—						
Concentrates etc. (b) ..	£11,182,825	(£9,486,988)	£10,120,789	(£9,564,873)	£12,867,677	£10,343,099
Scrap	1,027	115	101	189	3,545	1,250
Hong Kong (including re-exports)—						
Platinum and platinum group metals	(£28,511)	(£5,125)	(£161,320)	(£131,664)	(£24,095)	(£12,448)
Australia (c)—						
Platinum and platinum group metals	655	581	529	410	765	569
New Zealand—						
Platinum, etc. (jewellers' sweepings)	31	—	—	—	—	—
Palladium	21	—	—	—	—	—
FOREIGN COUNTRIES						
Austria—						
Unwrought platinum and platinum metals	(a)	4,951	4,790	5,884	4,437	4,051
Denmark—						
Rods, sheets, wire, scrap, etc.	707	1,093	482	354	193	330
France—						
Unwrought platinum, and scrap (d)	32	18,422	14,918	24,274	23,374	55,717
Palladium (incl. scrap) (d)	—	5,048	21,123	52,213	75,136	12,057
Drawn or rolled platinum	1,029	4,630	16,397	39,385	11,896	85,810
Germany (Federal)—						
Platinum metals and alloys	3,153	5,858	12,884	29,518	32,350	39,376
Italy—						
Sheets, bars, dust, scrap, etc.	129	547	322	—	1,447	64
Netherlands—						
Unwrought platinum	13,150	126,063	75,908	154,645	327,359	639,800
Norway—						
Platinum (incl. scrap)	16	5,659	15,915	10,385	15,238	14,886
Sweden—						
Unwrought platinum	1,543	1,768	2,958	10,192	8,327	8,423
Switzerland—						
Unwrought platinum	1,222	1,382	3,665	1,190	4,951	7,845

*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) Including alloys.

EXPORTS OF PLATINUM (cont.)
(Troy ounces)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
U.S.S.R.	(b)	(b)	(b)	(b)	(b)	(b)
Ethiopia (c)	1,303	(a)	(a)	(a)	(a)	(a)
United States—						
Ores, etc. (<i>Pt. content</i>)..	—	30	29	—	—	—
Ingots, sheets, wire, etc.	6,026	2,522	16,980	17,073	23,823	17,199
Palladium, rhodium, etc. and alloys	17,697	23,206	11,443	11,895	18,249	23,155
Colombia—						
Platinum	19,801	29,201	28,465	27,526	26,215	19,830

(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):

	1952	1953	1954	1955	1956	1957
United Kingdom ..	—	94,917	18,279	30,012	14,452	28,074
Germany (Federal) ..	—	—	—	12,829	13,655	35,289
Netherlands	—	—	10,320	160,947	157,796	52,727
United States	—	31,256	4,283	16,802	42,381	24,810

(c) Years ended September 10 of that stated.

IMPORTS OF PLATINUM*

(Less Re-exports)

(Troy ounces)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (b)—						
Platinum—						
Ingots, grain and powder	2,006	92,407	23,507	66,517	43,916	130,569
Other kinds, including alloys	33	78	(c) 466	(c) 3,819	806	} 46,929
Other platinum metals and alloys	168	9,587	19,287	23,823	55,019	
Union of South Africa—						
Platinum	734	443	366	55	34	(a)
Canada—						
Platinum, palladium and iridium	(£6,363,745)	(£5,962,957)	(£6,509,440)	(£5,717,211)	(£7,119,845)	(£5,757,810)
Hong Kong (e)—						
Platinum and platinum group metals	(£19,362)	(£134,639)	(£137,088)	(£95,579)	(£101,784)	(£110,444)
Malaya (e)—						
Unwrought platinum ..	(a)	74	124	315	188	289
Australia (d)—						
Platinum bars, rods, sheets, etc.	573	256	} 4,331	} 4,378	} 881	} 647
Bars, rods, sheets, etc. of other platinum metals	417	4,853				
Platinum metal powder	1,293	884			1,532	984
New Zealand—						
Bars, sheets, wire, etc.	787	806	1,131	} 1,378	} 1,826	} 1,959
Palladium	130	246	95			
FOREIGN COUNTRIES						
Austria—						
Unwrought platinum and platinum metals	7,780	2,283	2,411	6,044	4,501	3,601
Denmark—						
Rods, sheets, wire and scrap	514	868	1,478	1,061	1,350	1,254
Finland—						
Unwrought platinum etc.	—	257	482	691	948	871
France—						
Unwrought platinum, alloys and scrap	12,571	32,408	60,283	106,580	70,860	162,522
Unwrought palladium, alloys and scrap	5,691	15,497	48,419	101,146	106,901	42,471
Drawn or rolled platinum	419	96	225	675	450	1,093
Germany (Federal)—						
Platinum metals and alloys	45,037	54,336	76,783	147,000	103,222	124,021

*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: 1952—£6,370,394; 1953—£5,331,324; 1954—£5,924,237; 1955—£5,284,797; 1956—£7,346,377; 1957—£6,445,061

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):

	1952	1953	1954	1955	1956	1957
Crude platinum metals ..	176,362	256,208	267,645	363,025	286,770	364,109
Osmiridium	5,210	6,219	5,586	6,320	37,835	6,138

(c) Excess of re-exports.

(d) Years ended June 30 of that stated.

(e) Total imports.

IMPORTS OF PLATINUM (*cont.*)
(Troy ounces)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
Italy—						
Bars, dust and scrap ..	3,408	2,797	3,762	6,044	6,334	6,655
Sheets, foil and wire ..	1,157	193	225	1,575	3,183	3,215
Netherlands—						
Unwrought platinum ..	17,072	39,867	71,793	306,461	359,477	105,454
Norway—						
Unwrought platinum ..	1,255	813	1,853	2,817	1,640	2,347
Sheets, rolled and wire	569	177	665	243	322	129
Portugal—						
Sheets, wire, etc. ..	266	406	52	22	187	31
Spain—						
Bars, sheets, wire, etc.	35	—	215	1	51	19
Sweden—						
Unwrought platinum ..	96	96	1,061	675	96	739
Switzerland—						
Unwrought platinum ..	11,864	9,195	13,728	10,610	27,875	21,702
Yugoslavia—						
Unwrought platinum ..	(a)	482	707	354	4,276	5,080
Egypt—						
Ingots, bars, sheets, etc.	346	312	281	305	(a)	(a)
Cuba (<i>d</i>)—						
Ingots and bars ..	187	675	289	289	64	(a)
Palladium	1,337	—	—	161	257	(a)
Mexico (<i>d</i>)—						
Ingots and bars ..	515	782	769	409	80	72
United States—						
Ore (<i>b</i>) (<i>c</i>)	1,261	1,512	2,714	407	—	1,572
Grains and nuggets (<i>b</i>)	27,355	45,047	42,596	40,713	34,016	26,628
Sponge and scrap (<i>b</i>) (<i>c</i>)	118,568	108,944	148,503	177,832	152,413	128,975
Ingots, bars, sheets (<i>b</i>) (<i>c</i>)	88,289	232,483	195,187	276,755	289,516	179,349
Iridium	4,718	1,643	432	271	2,323	1,431
Osmium and osmiridium	3,386	2,397	3,187	1,999	1,318	2,977
Palladium	200,502	227,080	188,839	487,174	530,686	327,558
Rhodium and ruthenium	8,739	15,625	19,365	20,744	22,543	18,493
Brazil (<i>d</i>)—						
Unwrought platinum ..	8,445	1,439	13,285	193	611	1,254
Palladium	1,344	—	1,688	—	32	289
Colombia—						
Unwrought platinum	256	227	261	752	1,858	—
Uruguay—						
Platinum metals ..	184	312	(a)	(a)	(a)	(a)
Venezuela (<i>d</i>)—						
Unwrought platinum ..	5,466	(a)	—	(a)	(a)	2,090
Iraq—						
Unwrought platinum ..	3,054	1,286	547	(a)	(a)	(a)
Japan—						
Platinum and alloys ..	3,314	9,612	12,761	19,192	27,776	32,978
Palladium and alloys ..	98	2,494	7,066	10,715	15,740	22,119
Rhodium and alloys ..	31	171	227	518	760	767
Iridium, etc. and alloys	1	349	903	503	762	3,337
Lebanon—						
Unwrought platinum ..	654	1,222	1,415	2,797	2,411	3,472
Turkey—						
Sheets	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:

	1952	1953	1954	1955	1956	1957
Ore	689	840	2,714	407	—	1,572
Sponge and scrap ..	4,305	824	4,230	8,362	6,234	2,129
Platinum metal ..	202,912	340,632	345,081	450,270	436,757	306,195

(d) Total imports.

POTASH MINERALS
PRODUCTION OF POTASH
(Long tons)

Producing Country and Description	K ₂ O Content or Equivalent					
	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
India—Nitrate	8,384	(c) 2,777	(d) 3,000	(a)	(a)	(a)
Australia—Alumite	314	—	—	—	—	—
TOTAL (estimated) ..		4,200	1,400	(a)	(a)	(a)
FOREIGN COUNTRIES						
France (b)—Sylvinite, 12-22% K ₂ O		4,224	1,400	(a)	(a)	(a)
Fertilizer salts 30-40% K ₂ O ..	6,160,594	5,967,437	7,144,591	7,702,675	8,376,150	8,695,000
Chloride 50% K ₂ O and over						
Germany—Federal Republic—Kainite, sylvinite, etc.	12,386,500	12,388,000	15,330,000	15,853,000	15,299,000	15,944,000
Eastern (e)—Potash salts	(a)	(a)	(a)	(a)	(a)	(a)
		70,748	55,422	30,773	41,847	26,900
		343,869	292,216	320,441	336,546	296,800
		498,366	542,163	713,147	803,264	1,056,000
		1,325,000	1,356,000	1,440,000	1,527,000	1,579,000
		1,529,000	1,554,000	1,905,000	1,988,000	1,956,000
		1,325,000	1,356,000	1,440,000	1,527,000	1,579,000

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

PRODUCTION OF POTASH (cont.)
(Long tons)

Producing Country and Description	K ₂ O Content or Equivalent						
	1952	1953	1954	1955	1956	1957	1957
FOREIGN COUNTRIES (cont.)							
Spain—							
Carnallite, sylvinite, etc.	1,196,437	1,228,468	1,203,155	1,262,425	1,421,850	1,393,306	223,608
Alunite	894	553	—	(a)	(a)	—	(a)
U.S.S.R. (e)—							
Potash salts	(a)	(a)	(a)	(a)	(a)	(a)	929,000
United States—							
Muriate (chloride)—							
60-62% K ₂ O (c)	2,203,961	2,612,855	2,708,201	2,851,728	(a)	(a)	1,938,914
48-50% K ₂ O	134,785	73,037	—	—	(a)	(a)	—
Fertilizer salts	7,508	4,132	—	—	(a)	(a)	—
Sulphate, etc. (b)	213,087	226,430	258,223	276,402	(a)	(a)	—
Chile—							
Chloride	(a)	(a)	(a)	(a)	(a)	(a)	10,000
Israel—							
Chloride	—	5,165	(a)	(a)	44,981	77,000	45,000
Japan—							
Alunite	2,573	4,202	5,775	6,066	6,245	(a)	(a)
TOTAL (d)(f)	5,800,000	6,200,000	7,000,000	7,500,000	7,800,000	8,100,000	8,100,000
WORLD'S TOTAL (d)(f)	5,800,000	6,200,000	7,000,000	7,500,000	7,800,000	8,100,000	8,100,000

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

(a) Information not available.

(b) Including sulphate of potash-magnesia.

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

(d) Estimated.

(e) United States Bureau of Mines' estimate.

(f) Revised.

EXPORTS OF POTASH SALTS

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Chromate and bichromate	454	361	490	931	(b)	(b)
Nitrate	1,314	1,309	1,198	1,007	} 558	(a)
Sulphate	72	75	48	81		
Other compounds	1,568	2,045	1,888	2,048			2,857	3,079
Hong Kong (re-exports)—						
Nitrate	—	134	84	142	213	320
Chlorate	—	236	266	401	292	239
India—						
Nitrate	59	40	110	111	148	6
Malaya (including re-exports)—						
Fertilizer salts	575	10	7	11	28	47
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Fertilizer salts	31,320	80,843	6,969	8,186	1,960	930
Carbonate	1,534	1,786	912	1,784	2,532	1,980
Caustic potash	2,149	2,162	3,423	4,170	3,012	3,472
Chloride	302,756	488,680	474,347	530,625	662,015	681,632
Chlorates	297	—	—	3	—	—
Nitrate	379	91	119	49	21	33
Sulphate	125,211	162,155	169,165	192,745	189,289	201,743
Finland—						
Chlorate	531	226	417	843	378	119
France—						
Sylvinite, etc.	424,907	443,063	351,602	296,803	339,076	339,216
Fertilizer salts	445,468	577,628	674,029	706,907	934,004	955,321
Carbonate	4,661	5,347	6,593	7,514	7,357	9,140
Caustic potash	6,368	6,060	8,134	9,180	6,120	7,167
Chlorate	1,561	912	834	1,403	549	539
Nitrate	1,328	669	980	1,225	3,418	3,072
Germany (Federal)—						
Fertilizer salts	817,055	1,256,178	1,360,789	1,260,171	1,577,232	1,347,538
Carbonate	2,210	1,957	3,265	5,497	4,289	3,584
Caustic potash	2,712	2,131	3,911	4,130	3,227	3,556
Chlorate	(a)	209	150	91	159	760
Nitrate	2,662	5,399	5,372	7,090	6,801	8,476
Germany (East)—						
Fertilizer salts (c)	829,000	855,000	889,000	985,000	951,000	961,000
Carbonate	5,578	6,303	6,866	9,130	9,462	9,918
Caustic potash	1,447	6,819	5,582	7,308	7,490	7,731
Netherlands—						
Carbonate	(a)	1,350	832	227	344	1,224
Caustic potash	765	265	20	4	17	6
Chloride	871	470	442	983	670	580
Nitrate	14	14	12	18	51	31
Sulphate	317	300	66	67	54	17
Spain—						
Fertilizer salts	213,006	247,073	240,671	237,775	251,375	323,490
Chlorate	65	—	—	31	13	124
Sweden—						
Carbonate	—	4	8	41	47	18
Caustic potash	1,451	1,375	1,907	2,118	2,238	1,723

(a) Information not available.

(c) K₂O content.

(b) Included with other compounds.

EXPORTS OF POTASH SALTS (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Switzerland—						
Nitrate (crude)	10,658	6,801	—	5	18	3,946
U.S.S.R.—						
Fertilizer salts	(a)	(a)	(a)	45,300	105,400	217,700
United States—						
Chloride	73,310	63,467	82,802	175,884	300,721	358,565
Other fertilizer salts	11,224	11,008	16,469	22,776	48,133	51,880
Caustic potash	1,767	2,089	2,150	2,396	2,853	2,958
Other compounds	3,350	2,021	2,822	3,323	2,980	3,765
Chile—						
Nitrate	47,832	41,124	63,038	66,975	55,305	51,300
Israel—						
Chloride	—	1,750	12,799	7,923	15,683	75,267

(a) Information not available.

IMPORTS OF POTASH SALTS

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Fertilizer salts	25,514	30,760	37,784	35,440	36,962	36,693
Carbonate	2,348	3,767	4,428	5,341	4,269	5,367
Caustic potash and lyes	1,781	1,793	2,421	2,499	1,340	1,550
Chlorate	727	741	621	1,227	1,158	1,179
Chloride	338,924	504,880	473,641	509,927	552,653	537,290
Nitrate	343	710	927	1,281	2,354	1,205
Sulphate	11,348	9,881	7,008	13,927	12,915	15,642
Other compounds	467	435	817	825	1,120	1,892
Ghana—						
Fertilizer salts	(a)	(a)	71	49	205	120
Kenya—						
Fertilizer salts	456	—	229	425	376	796
Mauritius—						
Fertilizer salts	5,181	3,898	5,484	5,102	5,054	7,147
Nigeria—						
Fertilizer salts	(a)	(a)	976	711	1,647	964
Northern Rhodesia—						
Compounds	33	92	(d)	(d)	(d)	(d)
Southern Rhodesia—						
Fertilizer salts	(a)	(a)	(c) 13,952	(c) 19,333	(c) 16,158	(c) 19,112
Compounds	56	25	(c) 172	(c) 285	(c) 201	(c) 406
Tanganyika—						
Fertilizer salts	376	350	183	247	544	727
Uganda—						
Fertilizer salts	10	13	67	138	379	21
Union of South Africa—						
Fertilizer salts	228	27	695	3,709	3,655	(a)
Nitrate	77	138	128	168	182	243
Caustic potash	217	150	150	301	284	380
Chloride	13,953	13,319	20,303	31,769	36,179	(a)
Other compounds	1,149	502	855	1,150	1,270	(a)
Canada—						
Fertilizer salts	1,515	1,227	17	—	18	—
Caustic potash	1,696	1,940	2,431	2,206	2,627	3,260
Chlorate	31	44	53	59	56	64
Crude chloride	104,925	107,833	102,936	123,654	117,226	122,005
Nitrate	350	539	442	554	487	467
Crude sulphate	7,225	11,427	11,415	12,461	14,422	15,823
Other compounds	1,473	1,421	1,473	2,059	2,475	3,376
British West Indies—						
Barbados—						
Fertilizer salts	3,714	2,040	5,539	3,160	4,375	6,570
Jamaica—						
Fertilizer salts	2,363	1,934	2,349	1,477	3,421	3,641
St. Vincent—						
Chloride	135	153	78	118	85	(a)
Trinidad and Tobago—						
Chloride and sulphate	1,019	1,307	2,012	2,058	1,790	2,966
British Guiana—						
Fertilizer salts	(a)	(a)	663	(a)	1,898	1,604
Ceylon—						
Kainite and sylvinitic	100	549	640	699	500	500
Chloride	12,117	22,021	29,412	26,751	45,916	38,345
Nitrate of potash refuse	—	1	—	6	19	6
Sulphate	223	440	325	275	1,060	695
Hong Kong (b)—						
Nitrate	(a)	251	362	564	664	595
Chlorate	(a)	68	178	334	223	273

(a) Information not available.

(b) Total imports.

(c) Federation of Rhodesia and Nyasaland.

(d) See under Southern Rhodesia.

IMPORTS OF POTASH SALTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
India—						
Chlorate	1,301	1,081	925	1,050	808	1,158
Chloride	4,162	7,308	27,807	14,026	15,927	7,373
Other compounds	2,336	1,266	10,411	7,107	7,674	15,302
Malaya (d)—						
Fertilizer salts	3,365	1,745	5,416	7,865	5,553	9,484
Pakistan (c)—						
Bichromate	7	27	46	10	22	21
Chlorate	252	313	678	1,562	203	424
Chloride	92	—	—	—	—	5
Other compounds	122	54	94	261	64	497
Australia (b)—						
Carbonate	1,399	140	304	628	1,008	622
Caustic potash	959	393	471	765	1,021	1,349
Chloride	14,836	12,858	19,041	23,933	35,588	34,399
Nitrate	332	174	272	297	368	347
Sulphate	1,140	1,610	3,198	3,481	3,487	3,845
Other compounds	516	123	201	429	407	462
New Zealand—						
Caustic potash and pearl ash	106	23	71	(a)	(a)	(a)
Chlorate	51	49	46	(a)	(a)	(a)
Chloride	21,888	26,518	33,566	30,622	32,892	38,908
Nitrate	50	79	29	98	87	74
Sulphate	2,072	2,258	2,592	2,017	2,209	2,622
Other fertilizer salts	226	75	278	412	414	—
Compounds other than fertilizer	106	86	88	160	249	273
Irish Republic—						
Fertilizer salts	—	—	604	613	794	670
Chloride	36,100	59,704	73,143	82,178	68,736	100,574
Chlorate	81	41	} 376	} 429	} 474	} 415
Nitrate	90	147				
Sulphate	241	461				
Other compounds	39	101				
FOREIGN COUNTRIES						
Austria—						
Fertilizer salts	79,443	86,627	126,503	128,571	141,112	176,829
Caustic potash	107	157	255	356	305	369
Carbonate	707	365	548	491	396	846
Chloride	108	18	145	321	263	168
Nitrate	160	221	341	381	274	252
Sulphate	1	77	—	297	119	3
Belgium-Luxemburg						
E.U.—						
Fertilizer salts	253,341	303,719	182,974	162,273	182,799	201,948
Carbonate	1,616	1,051	742	613	825	567
Caustic potash	1,038	588	209	143	605	359
Chlorates	297	293	672	556	641	607
Chloride	718,023	788,533	849,363	931,565	1,082,758	1,094,255
Nitrate	2	1,176	1,102	1,741	1,651	1,731
Sulphate	7,449	9,110	24,348	15,639	20,315	15,243

(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.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Denmark—						
Fertilizer salts	356,575	329,337	282,317	277,511	343,920	315,077
Carbonate	376	448	501	376	397	329
Caustic potash	907	1,091	1,079	1,046	1,036	895
Chlorate	125	106	132	168	133	143
Chloride	199	224	136	109	135	112
Nitrate	567	692	972	742	949	913
Sulphate	189	115	9	12	9	14
Finland—						
Fertilizer salts	98,854	89,873	87,191	94,986	109,857	113,788
Carbonate	165	101	245	295	289	300
Caustic potash	60	143	203	118	157	123
Chloride	893	1,189	1,851	3,794	1,476	1,974
Nitrate	100	67	99	132	43	114
Sulphate	1,478	3,938	4,555	8,395	6,547	986
France—						
Fertilizer salts	97,140	2,357	1,692	14,172	793	5,489
Caustic potash	15	21	18	33	43	42
Germany (Federal)—						
Fertilizer salts	20	308	291	—	3	—
Carbonate	—	118	57	5	6	—
Caustic potash	117	267	286	205	195	208
Chlorate	356	111	75	58	90	103
Nitrate	—	49	157	207	304	79
Greece—						
Carbonate	354	637	851	1,092	748	765
Caustic potash	61	23	26	(a)	(a)	(a)
Nitrate	96	43	179	(a)	(a)	(a)
Hungary—						
Fertilizer salts	20,745	21,697	29,086	31,700	26,336	25,680
Iceland—						
Fertilizer salts	1,582	2,319	2,731	3,279	2,956	3,416
Carbonate	13	206	8	15	11	7
Caustic potash	17	38	24	53	28	23
Italy—						
Fertilizer salts	46,620	54,155	66,842	79,636	65,305	68,628
Carbonate	1,907	2,151	2,674	3,183	3,227	3,188
Caustic potash	3,283	3,045	4,021	6,603	3,465	3,429
Chloride	11,250	15,218	14,319	26,229	31,878	34,843
Nitrate	928	1,038	1,034	808	874	886
Sulphate	8,942	14,645	13,441	26,353	35,130	31,556
Netherlands—						
Kainite	75,324	94,717	76,187	45,779	52,842	48,568
Fertiliser salts						
(20% K ₂ O)	40,220	35,826	44,626	34,949	37,752	40,153
do. (40% K ₂ O)	322,364	298,096	284,596	225,549	262,475	239,698
Carbonate	2,651	3,624	3,077	4,177	4,614	4,169
Caustic potash	3,283	3,140	4,811	5,032	4,016	5,059
Chloride	10,096	17,580	29,512	24,961	33,194	39,731
Nitrate	1,537	1,075	1,461	1,718	2,400	1,827
Sulphate	15,803	13,563	16,581	29,579	26,966	28,385
Patent potash	44,899	61,488	66,981	56,032	52,337	43,718
Norway—						
Fertilizer salts	124,857	94,324	91,171	45,073	44,462	51,380
Carbonate	330	418	340	413	389	281
Caustic potash and lyes	1,489	1,362	1,524	1,413	1,337	1,079
Chloride	13,258	7,238	17,959	22,635	39,960	53,445
Nitrate	80	129	199	104	194	258
Sulphate	(b)	(b)	(b)	16,097	18,905	17,893

(a) Information not available.

(b) Included with fertilizer salts.

IMPORTS OF POTASH SALTS (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
Portugal—						
Carbonate	58	73	90	79	120	109
Caustic potash	33	47	95	22	65	79
Chlorate	69	155	191	182	180	196
Chloride	7,800	5,311	12,727	8,776	16,264	15,109
Nitrate	153	280	353	316	391	309
Sulphate	1,968	—	246	1,739	1,642	1,425
Sweden—						
Fertilizer salts						
(40% K ₂ O)	152,942	176,658	109,430	13,994	—	—
do. (other)	689	562	58,738	143,734	176,492	157,069
Carbonate	1,298	1,115	1,568	1,666	1,519	1,136
Caustic potash	187	202	364	313	361	336
Chloride	12,032	5,294	10,560	10,364	15,423	13,594
Nitrate	382	636	700	776	924	839
Sulphate	3,127	5,663	3,892	8,201	10,319	8,273
Switzerland—						
Fertilizer salts	63,050	62,264	69,081	74,470	69,104	67,026
Carbonate	642	581	1,268	1,153	1,694	1,399
Caustic potash	1,890	2,079	2,324	2,483	2,164	2,886
Chloride	2,617	2,138	4,350	6,965	9,785	13,393
Nitrate, crude	98	99	1	295	16	—
Nitrate, purified, including sodium nitrate	513	661	475	607	811	641
Yugoslavia—						
Fertilizer salts	4,607	22,219	33,038	55,701	55,108	46,411
Caustic potash	186	57	99	187	70	(a)
Chlorate and chloride	246	(a)	(a)	(a)	2,298	87,039
Nitrate	219	1	1,080	—	39	—
Sulphate	133	50	87	39	492	3,174
Algeria—						
Fertilizer salts	18,281	15,159	20,729	17,687	10,070	19,439
Carbonate	3	2	11	6	2	12
Caustic potash	24	40	28	29	20	55
Nitrate	20	13	21	11	377	181
Egypt—						
Fertilizer salts	2,559	464	640	—	(a)	(a)
Carbonate	267	31	102	184	(a)	(a)
Caustic potash	15	45	33	32	(a)	(a)
Chlorate	172	172	143	184	(a)	(a)
Morocco (Southern)—						
Chloride	8,198	6,021	6,848	6,460	1,949	1,525
Sulphate		2,284	4,345	4,630	1,569	674
Tunis—						
Fertilizer salts	(a)	1,061	1,526	2,293	1,641	2,469
Caustic potash	(a)	9	7	9	5	6
Cuba (b)—						
Nitrate	22,708	8,262	3,883	5,357	16,205	(a)
Chlorate	256	129	235	236	187	(a)
Chloride	14,507	3,959	11,767	10,418	9,779	(a)
Sulphate	8,232	4,157	4,278	11,836	17,721	(a)
Mexico (b)—						
Chloride	—	—	2,501	5,845	7,261	8,222
Caustic potash	123	180	161	235	280	234
United States—						
Carbonate	152	1,379	16	—	—	5
Caustic potash	66	160	171	193	239	239
Chlorates	662	90	108	306	310	329
Chloride	251,052	155,396	131,557	215,590	223,784	227,424
Cyanide	812	1,254	748	710	826	702

(a) Information not available.

(b) Total imports.

IMPORTS OF POTASH SALTS (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States—(cont.)						
Nitrate	11,837	15,131	1,428	2,089	2,114	2,011
Potassium-sodium nitrate mixtures	14,696	11,175	11,811	17,232	17,367	22,672
Sulphate	35,948	31,462	47,878	49,733	47,448	43,251
Argentina—						
Carbonate	120	28	63	521	87	354
Caustic potash	417	185	727	1,491	243	170
Chlorate	586	111	657	979	41	562
Nitrate	142	370	504	826	—	—
Sulphate	50	2	—	249	584	535
Brazil (b)—						
Caustic potash	104	83	64	403	1,346	170
Nitrate	1,354	177	2,055	869	1,345	909
Nitrate of potash and soda	—	—	—	20,761	15,815	11,379
Chloride	21,885	48,292	42,016	73,818	61,088	92,781
Sulphate	2,010	3,573	4,451	4,446	3,658	4,968
Carbonate	266	269	819	164	1,001	230
Chlorate	860	877	766	335	36	308
Chile—						
Caustic potash	64	111	151	221	(a)	(a)
Chlorate	72	63	79	130	(a)	(a)
Chloride	680	5,031	4,283	1	(a)	(a)
Sulphate	394	512	9,005	2	(a)	(a)
Colombia—						
Chlorate	136	248	211	280	326	267
Chloride	3,458	2,545	14,849	17,662	10,682	10,639
Nitrate	106	263	273	326	304	267
Sulphate	(a)	1,376	3,372	2,923	2,746	2,231
Other fertilizer salts	—	700	320	35	390	44
Peru—						
Fertilizer salts	228	223	348	540	2,308	1,480
Caustic potash	16	9	29	54	96	105
Other salts	74	101	158	170	129	144
Uruguay—						
Nitrate	984	571	(a)	(a)	(a)	(a)
Caustic potash	102	372	(a)	(a)	(a)	(a)
Venezuela (b)—						
Carbonate	18	37	35	(a)	12	27
Chlorate	74	152	118	(a)	98	45
Chloride	298	353	662	1,710	1,399	1,696
Nitrate	59	213	289	557	330	126
Sulphate	5	261	99	866	1,537	3,940
Formosa—						
Fertilizer salts	351	45,605	544	4,478	25,258	23,613
Japan—						
Kainite, etc.	—	—	—	—	3,937	—
Chloride	72,607	309,808	454,252	551,534	837,801	487,622
Sulphate	103,217	201,127	188,874	151,440			134,302
Philippine Republic—						
Caustic potash	27	15	11	165	114	59
Chlorate	393	206	430	264	608	629
Nitrate	16	37	78	1,803	59	1,482
Sulphate	—	1	150	314	592	1,769
Turkey—						
Carbonate	858	709	388	794	763	1,621
Caustic potash	125	217	200	173	235	368
Chlorates	133	150	12	94	237	114
Nitrate	1	253	—	134	—	—

(a) Information not available.

(b) Total imports.

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

Producing Country	Estimated Sulphur Content						
	1952	1953	1954	1955	1956	1957	1957
BRITISH COUNTRIES							
Great Britain ..	9,691	10,244	7,010	5,514	4,207	3,500	(a)
Southern Rhodesia ..	18,752	36,087	36,387	21,268	18,674	19,986	8,300
Union of South Africa ..	30,649	92,362	225,534	351,651	429,964	388,216	13,198
Canada (sales) (c) ..	494,631	614,221	784,332	934,589	1,106,791	235,037	166,652
Cyprus (saleable) ..	821,716	754,399	795,350	961,390	1,080,822	401,000	364,000
India ..	2,168	277	—	800	—	930	120
Australia ..	198,713	167,007	206,778	228,764	184,488	239,032	84,150
TOTAL ..	1,582,000	1,425,000	1,885,000	2,354,000	2,653,000	2,838,000	70,500
FOREIGN COUNTRIES							
Austria ..	8,988	69	—	—	—	—	—
Finland (b) ..	242,042	255,094	248,527	298,063	289,440	292,461	2,261
France (e) ..	295,669	293,292	294,611	300,531	298,996	318,500	103,000
Germany (Federal)	519,594	521,613	577,334	627,518	634,238	596,223	117,700
Germany (East) ..	(a)	(a)	(a)	(a)	(a)	(a)	188,739
Greece ..	191,578	233,575	206,502	229,126	237,014	f 226,000	41,000
Italy ..	1,122,773	1,215,068	1,231,188	1,296,208	1,356,040	1,446,761	44,000
Norway ..	701,361	733,092	782,359	830,450	840,000	818,178	102,000
Poland ..	(a)	130,309	150,879	154,127	f 168,000	f 167,000	505,000
Portugal ..	743,959	640,852	575,157	660,154	659,198	656,237	295,312
							(a)
							f 52,000
							288,384
							334,781
							258,821
							f 60,000
							f 60,800
							f 59,000
							297,070
							296,639
							110,000
							53,000
							f 98,000
							100,000
							583,000
							610,000
							361,775
							343,696
							f 60,000
							258,821
							126,000
							133,240
							134,704
							253,404
							251,311
							46,000
							90,000
							110,000
							123,000
							138,000
							124,000

* See also Sulphur (page 321).

(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 misspickel and auriferous pyrites was as follows (long tons): 1952—12,753; 1953—9,392; 1954—1,296; 1955—6,577; 1956—6,780; 1957—7,000.

(f) United States Bureau of Mines' estimate.

PRODUCTION OF PYRITES (cont.)
(Long tons)

Producing Country	Estimated Sulphur Content										
	1952	1953	1954	1955	1956	1957	1957				
FOREIGN COUNTRIES											
Spain	2,119,566	1,773,363	1,864,227	2,289,598	2,259,365	1,028,000	860,000	904,000	1,110,000	1,090,000	1,058,000
Sweden	407,954	382,846	392,894	387,850	485,670	201,769	189,177	193,562	191,008	238,938	244,595
Yugoslavia (c)	164,753	163,214	157,580	223,102	251,905	74,000	73,000	71,000	100,000	113,000	138,000
Algeria	23,631	29,352	33,000	21,330	5,968	10,200	12,900	14,500	9,380	2,510	7,800
Morocco (Southern)	1,993	2,005	1,535	4,007	1,524	860	800	650	600	600	2,000
Cuba	(a)	(a)	92,881	98,840	(a)	(a)	(a)	(a)	(a)	(a)	(a)
United States (b)	994,342	922,647	908,715	1,006,943	1,069,904	418,139	379,545	405,310	409,826	431,687	436,012
Venezuela					59,053					14,173	11,811
Formosa	32,707	24,892	23,857	28,559	29,194	11,800	9,000	9,100	10,700	11,122	12,400
Japan	2,586,846	2,306,251	2,635,554	2,692,929	3,048,576	1,036,000	904,000	1,106,277	1,149,647	1,295,676	1,410,000
Korea (South)	743	765	5,202	30,296		(a)	(a)				(a)
Philippine Republic	(a)	1,945	15,135	16,137	22,724	17,566	680	2,080	13,600	—	7,900
Turkey	(a)				47,766		—	7,300	7,700	10,900	22,700
TOTAL* (d)	10,400,000	9,800,000	10,300,000	11,300,000	11,900,000	12,300,000	4,900,000	5,400,000	5,930,000	6,400,000	6,700,000
World's TOTAL* (d)	12,000,000	11,200,000	12,200,000	13,700,000	14,600,000	15,100,000	5,300,000	5,300,000	5,300,000	6,400,000	6,700,000

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

(a) Information not available.

(b) Includes by-product pyrites.

(c) Concentrates.

(d) Revised.

EXPORTS OF PYRITES

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Southern Rhodesia—						
Iron pyrites	15,281	33,586	26,774	3,706	12,844	19,662
Canada—						
Pyrites (<i>S content</i>)	176,694	115,721	168,400	(a)	(a)	(a)
Cyprus—						
Iron pyrites	633,270	565,183	687,954	753,640	821,727	762,501
Cupreous pyrites	146,672	129,915	125,370	139,230	171,032	226,334
Australia (b)	3,398	—	—	—	20	—
FOREIGN COUNTRIES						
Austria	88,461	8,562	71,833	35,190	27,824	26,899
Belgium-Luxemburg						
E.U.	—	—	—	—	—	888
Finland—						
Concentrate	3,149	9,174	72,069	75,182	41,538	24,066
France	—	1,799	147	108	—	—
Germany (Federal)—	14,599	12,578	16,509	30,747	6,377	10,925
Greece	174,409	160,447	137,827	121,343	203,114	183,884
Italy—						
Iron pyrites	107,920	59,290	113,192	93,906	100,293	99,923
Cupreous pyrites	19	—	1,947	3,664	1,654	1,699
Norway—						
Iron pyrites	191,731	129,834	162,142	145,118	} 460,362	} 442,573
Cupreous pyrites	138,836	193,066	252,856	320,071		
Portugal—						
Iron pyrites	} 406,312	298,198	375,676	441,928	401,042	292,332
Cupreous pyrites		1,791	2,255	2,297	1,716	3,220
Spain—						
Iron pyrites	1,737,348	1,187,297	1,539,996	1,504,992	1,484,769	1,384,942
Cupreous pyrites	56,281	40,836	18,551	21,510	30,466	38,128
Sweden	10,236	11,810	10,283	15,532	54,454	99,541
Yugoslavia	157,289	69,559	128,495	212,044	178,876	189,934
Algeria	—	236	—	—	591	—

(a) Information not available.

(b) Years ended June 30 of that stated.

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

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom	505,101	385,133	599,593	499,197	384,652	356,830
Northern Rhodesia— Iron pyrites	9,456	5,362	(b) —	(b) —	(b) —	(b) —
Irish Republic	34,288	40,137	47,474	37,977	44,371	18,314
FOREIGN COUNTRIES						
Austria	131,661	49,626	131,928	94,941	88,548	95,053
Belgium-Luxemburg E.U.	319,561	252,763	352,606	411,289	430,990	275,944
Denmark	106,632	129,551	119,967	129,562	131,685	121,523
France	629,146	324,432	553,870	545,908	488,797	436,118
Germany (Federal)— Germany (East)	996,450	854,832	1,038,417	1,126,257	1,307,094	1,478,298
Hungary	164,000	251,102	160,830	175,964	(c) 77,568	(c) 159,501
Italy— Iron pyrites	75,249	78,789	92,393	101,558	85,359	128,251
Cupreous pyrites	79,578	113,188	135,121	206,926	285,435	317,487
Netherlands	7,190	1,383	—	—	—	—
Sweden	428,941	331,495	482,263	474,002	598,434	360,885
Switzerland	69,107	65,619	78,593	121,113	115,895	109,118
Algeria	1,857	8,777	6,671	16,595	19,436	14,299
Morocco (Southern)	16,782	930	23,793	11,332	3,328	2,273
Tunis	(a)	7,809	15,119	9,730	3,740	7,643
United States	296,047	190,474	279,569	358,165	365,816	353,032
Japan	68,201	566	—	—	—	1

(a) Information not available.

(b) Federation of Rhodesia and Nyasaland.

(c) *S content.*

RARE EARTH AND THORIUM MINERALS

PRODUCTION OF RARE EARTH AND THORIUM MINERALS (Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Nigeria—						
Monazite	(a)	(a)	(a)	(a)	77	93
Thorite (c)	(a)	(a)	(a)	(a)	727	1,054
Ceylon—						
Monazite	14	50	46	60	52	134
Malaya (exports)—						
Monazite	56	186	349	249	631	490
Australia (b)—						
High-grade concentrates	106	184	71	149	93	132
Low-grade concentrates	148	69	106	44	146	—
FOREIGN COUNTRIES						
Belgian Congo—						
Monazite	14	11	4	4	1	—
Bastnaesite	211	361	369	319	350	236
Egypt—						
Monazite	6	6	8	1	6	(a)
Madagascar—						
Monazite	—	—	—	64	150	295
Bastnaesite	3	9	6	10	1	1
Korea (South)—						
Monazite	(a)	(a)	(a)	490	181	349

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) Between 5% and 6% ThO₂.

EXPORTS OF RARE EARTH MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Nigeria—						
Monazite	(a)	(a)	(a)	(a)	77	93
Thorite (b)	(a)	(a)	(a)	(a)	727	1,054
Ceylon—						
Monazite	(a)	(a)	(a)	30	—	—
Malaya—						
Monazite	56	186	349	249	631	490
Australia—						
Concentrates	91	180	76	107	56	145
FOREIGN COUNTRIES						
France—						
Monazite	—	—	1	—	—	—
Salts of rare earth minerals	119	39	55	464	95	110
Germany (Federal)—						
Rare earth minerals	54	39	—	—	—	—
Belgian Congo—						
Monazite	(a)	(a)	(a)	(a)	3	(a)
Bastnaesite	(a)	(a)	(a)	(a)	80	185
Madagascar—						
Monazite	—	—	—	49	146	—
Bastnaesite	1	9	6	12	2	1
United States—						
Cerium ores, metals, etc.	22	37	13	9	11	74
Brazil—						
Cerium chloride	—	—	778	1,663	1,014	985

(a) Information not available.

(b) Between 5% and 6% Th₂O.

IMPORTS OF RARE EARTH MINERALS, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Rare earth compounds	268	1	47	70	51	211
Canada—						
Thorium and cerium salts	(£20,382)	(£11,455)	(£7,846)	(£10,053)	(£12,993)	(£27,020)
FOREIGN COUNTRIES						
France—						
Monazite	248	24	53	171	205	437
Salts of rare earth minerals	735	52	106	1,706	546	499
Germany (Federal)—						
Rare earth minerals	127	311	272	475	336	73
Salts of rare earth minerals	123	128	240	301	315	580
United States—						
Cerium ores	(a)	(a)	1	9	—	—

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

(a) Information not available.

SALT
PRODUCTION OF SALT
(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain—						
Rock-salt	44,521	42,846	43,184	69,770	99,236	88,133
Brine-salt	944,357	940,260	1,008,400	1,061,030	1,040,867	1,036,519
Salt in brine (b)	2,952,408	3,074,156	3,414,005	3,655,377	3,835,363	3,852,692
Northern Ireland—						
Brine-salt	10,637	—	10,842	12,392	8,987	7,260
Malta—						
Sea-salt	1,290	3,140	2,770	970	1,320	1,146
Ghana (d)	22,000	22,000	22,000	22,000	22,000	22,000
Mauritius—						
Sea-salt	2,165	2,362	3,050	3,400	3,400	3,700
Nigeria (d)	250	190	220	250	300	400
South West Africa—						
Rock-salt	6,779	4,621	4,825	6,254	4,474	6,214
Other salt	32,733	35,948	41,779	52,257	73,441	58,957
Kenya	16,750	20,886	18,795	25,376	21,885	22,602
Tanganyika	18,951	19,785	21,394	23,521	27,870	25,792
Uganda	4,043	7,517	7,190	9,013	8,853	9,541
Union of South Africa ..	138,354	125,545	153,737	137,784	168,972	143,521
Canada—						
Rock-salt	73,679	63,423	72,011	245,629	570,224	706,237
Other salt (c)	795,256	793,629	788,129	873,898	857,052	875,727
British West Indies—						
Sea-salt—						
Bahamas (exports) ..	54,107	121,071	116,500	40,786	27,893	113,429
Leeward Islands (exports) ..	5,851	5,298	4,164	4,557	991	(a)
Turks and Caicos Islands	16,400	9,863	9,589	6,279	13,742	15,872
Aden	376,079	240,423	210,000	264,340	248,000	198,000
Ceylon	45,330	57,199	49,960	36,325	107,843	84,742
Cyprus	—	1,960	4,688	—	4,487	6,336
India—						
Rock-salt	5,992	5,772	4,007	5,140	3,428	4,335
Other salt	2,820,166	3,159,265	2,713,269	2,882,000	3,171,000	3,608,000
Pakistan—						
Rock-salt	(e) 101,000	(e) 125,000	147,010	139,827	162,024	156,839
Sea-salt	(e) 145,000	(e) 176,000	250,538	258,876	227,486	296,643
Australia (d)	277,000	310,000	380,000	370,000	409,000	432,000
New Zealand	700	—	1,500	3,000	11,400	7,650
Total	8,940,000	9,390,000	9,540,000	10,200,000	11,100,000	11,800,000
FOREIGN COUNTRIES						
Austria—						
Rock-salt	1,122	1,106	1,258	797	618	636
Evaporated salt	80,760	86,961	95,845	105,155	106,849	114,632
Bulgaria	(f) 69,000	86,610	81,689	32,479	57,084	(f) 59,000
Czechoslovakia	(a)	179,125	133,852	130,899	(f) 150,600	(f) 150,600
France—						
Rock-salt (incl. refined)	410,187	424,911	452,592	459,463	481,900	553,900
Salt in brine	1,740,327	1,959,901	1,972,263	2,073,783	1,872,000	2,160,000
Sea-salt	648,601	538,452	488,268	702,835	541,132	546,700

- (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.
(f) United States Bureau of Mines' estimate.

PRODUCTION OF SALT (cont.)

(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal)—						
Rock-salt, etc.	2,263,342	2,535,912	2,804,744	3,001,283	3,207,000	3,211,000
Brine-salt	271,981	291,881	305,657	329,485	318,000	319,000
Germany (East)	(a)	(e) 1,476,300	(e) 1,476,300	1,495,992	1,663,307	(e) 1,673,000
Greece—						
Sea-salt	94,000	(d) 77,496	77,452	70,992	91,531	(b) 100,000
Italy—						
Rock salt and brine salt	745,541	878,229	1,012,470	(d) 986,038	993,094	1,048,276
Sea-salt	886,367	713,121	(d) 711,051	828,384	} 585,363	} 436,417
Spring-salt	15,183	17,769	17,823	(d) 18,249		
Netherlands (brine-salt)	408,260	452,398	504,950	576,000	616,048	706,197
Poland	504,000	550,700	557,800	583,800	603,000	(a)
Portugal—						
Rock-salt	44	48	52	47	17	(a)
Sea-salt (c)	22,590	2,978	2,248	1,243	3,533	2,627
Roumania	(a)	(e) 393,700	(e) 492,100	557,000	830,000	(e) 837,000
Spain—						
Rock-salt	369,330	387,588	399,295	443,882	487,418	498,485
Sea-salt	644,656	976,625	873,205	626,956	751,616	642,266
Other salt	21,318	26,266	26,089	24,341	36,660	11,669
Switzerland	107,616	108,522	114,647	120,515	117,326	144,281
Yugoslavia	146,035	121,469	135,821	133,233	(a)	(a)
Algeria—						
Brine-salt and sea-salt . .	80,058	58,900	97,100	100,618	95,012	(a)
Angola	56,602	56,896	54,295	56,934	80,173	51,495
Belgian Congo (rock-salt)	610	797	829	451	502	271
Canary Islands (sea-salt)	15,000	16,850	17,784	19,895	19,000	(b) 20,000
Cape Verde Islands	17,805	10,460	20,827	21,479	21,626	(b) 20,000
Egypt	490,522	381,449	443,351	395,355	522,000	(e) 490,000
Ethiopia—						
Rock-salt	(b) 10,000	14,474	13,779	14,763	13,000	(e) 7,000
Sea-salt	149,948	158,367	177,386	178,212	130,203	140,000
French Somaliland	63,400	60,000	58,200	17,930	6,568	2,300
Libya (sea-salt)	12,000	12,000	15,000	14,602	15,000	—
Morocco (Southern)	39,368	40,150	31,580	39,511	27,531	} 51,144
Morocco (Northern)—						
Sea-salt	(b) 250	(b) 213	(b) 250	(b) 250	(b) 300	
Mozambique—						
Rock-salt	101	108	98	137	71	(b) 100
Sea-salt	10,238	10,617	13,168	11,090	12,215	(b) 12,000
Sudan	52,469	53,993	54,759	23,059	54,286	53,436
Tunis (sea-salt)	(d) 93,000	137,210	162,400	130,000	133,000	148,000
Costa Rica	2,232	3,830	4,035	2,009	(b) 5,000	(b) 4,700
Cuba (sea-salt)	55,119	50,208	53,094	62,201	63,383	67,059
Dominican Republic—						
Rock-salt	2,561	3,735	42,178	17,646	32,618	42,653
Sea-salt	16,482	13,450	14,239	316	499	15,246
Guatemala (sea-salt)	11,785	11,433	(a)	(a)	16,253	16,505
Haiti (b)	29,900	34,400	29,900	29,900	5,000	10,000
Honduras	(b) 4,500	(b) 10,200	(b) 10,000	(b) 10,000	13,409	(b) 10,000
Mexico (b)	169,800	220,300	220,500	221,000	237,000	(b) 237,000
Netherlands West Indies	2,607	(a)	(a)	(a)	1,130	500
Nicaragua (sea-salt)	13,007	13,751	14,318	9,445	10,232	8,961
Panama (sea-salt)	5,808	3,867	6,243	9,235	6,862	8,363
Porto Rico (sea-salt)	8,610	(b) 10,000	(b) 10,000	(b) 10,000	(b) 10,000	(b) 10,000
Salvador	(d) 27,291	(d) 28,622	(d) 37,192	(d) 47,738	49,108	49,109
United States (sales)—						
Rock-salt	4,100,000	3,998,799	4,307,775	4,726,000	5,020,444	4,769,273
Salt in brine	9,800,000	11,257,181	10,815,721	11,986,000	13,004,262	12,963,164
Evaporated salt	3,125,000	3,305,629	3,331,328	3,559,700	3,596,387	3,565,794

(a) Information not available.

(b) Estimated.

(c) Exports.

(d) Revised.

(e) United States Bureau of Mines' Estimate.

PRODUCTION OF SALT (cont.)
(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Argentina (b)	480,000	446,000	490,000	500,000	500,000	500,000
Bolivia	(a)	2,000	2,000	2,000	2,000	(a)
Brazil (sea-salt)	768,289	749,279	664,658	571,645	734,472	785,203
Chile	51,194	36,137	44,398	50,777	27,301	(a)
Colombia—						
Rock-salt	164,981	(g) 145,808	(g) 169,697	172,368	191,424	216,120
Sea-salt	(g) 38,001	(g) 47,492	35,664	39,994	36,591	94,229
Brine-salt	(a)	(a)	105,574	108,585	114,026	196,874
Ecuador (sea-salt)	26,580	27,560	157,000	34,346	25,588	(a)
Peru—						
Rock-salt	9,809	9,053	9,360	9,416	9,317	} 93,696
Sea-salt	62,526	64,927	70,120	75,738	76,639	
Brine-salt	6,001	4,682	3,104	2,992	7,634	
Venezuela (sea-salt)	114,217	71,440	82,097	61,165	36,995	84,324
Afghanistan	23,300	26,800	(b) 30,000	18,700	(b) 20,000	(b) 20,000
Burma—						
Sea-salt	56,701	60,934	94,626	103,549	85,198	113,668
Brine-salt	1,678	1,484	1,317	1,180	898	840
China (c)	g 4,866,896	g 4,900,000	5,400,000	5,900,000	5,900,000	7,870,000
Formosa (sea-salt)	324,542	168,742	387,899	453,120	323,316	(b) 380,000
Cambodia	} 130,830	72,910	143,833	(a)	(b) 125,000	(b) 125,000
Laos					(b) 2,000	(b) 2,000
Vietnam					(b) 50,000	86,590
Indonesia (d)	196,141	(b) 222,000	214,597	267,944	107,645	341,706
Iran (c)	200,000	210,000	(b) 215,500	(b) 246,100	262,783	275,578
Iraq (e)	18,993	18,404	20,007	30,300	19,157	(b) 20,000
Israel (b)	15,000	21,300	20,000	10,000	25,000	27,000
Japan—						
Government-licensed plants (f)	426,700	453,800	422,800	552,700	616,500	819,000
Jordan (brine-salt)	7,145	6,945	10,341	7,583	9,981	9,946
Korea (South)	200,645	189,643	177,284	348,329	193,598	363,358
Lebanon (sea-salt) (b)	12,000	20,000	8,000	10,000	15,000	12,000
Philippine Republic—						
Sea-salt	16,506	46,984	47,313	78,733	62,595	114,285
Portuguese India	19,642	15,720	13,266	(a)	5,507	9,361
Syria	19,368	13,632	14,511	(a)	(a)	(a)
Thailand (b)	280,000	280,000	230,000	250,000	250,000	220,000
Turkey—						
Rock-salt	24,605	26,752	29,611	27,996	28,095	31,015
Lake and spring salt	134,802	150,742	197,590	146,724	112,995	86,476
Sea-salt	150,767	165,347	246,102	192,277	232,748	296,650
TOTAL* (g)	44,000,000	46,000,000	48,000,000	50,000,000	52,000,000	55,000,000
WORLD'S TOTAL* (g)	53,000,000	55,000,000	58,000,000	60,000,000	63,000,000	67,000,000

*Salt is known to have been produced in many countries for which statistics are not available, e.g. Belgium 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.

(g) Revised.

EXPORTS OF SALT

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Rock-salt	6,039	8,625	5,507	5,017	} 265,155	271,987
Other salt	270,177	239,783	248,823	271,329		
Ghana	803	261	(a)	(a)	(a)	(a)
Kenya	186	3	1	1,332	1,230	586
Southern Rhodesia	455	495	(a)	(a)	(a)	(a)
South West Africa—						
Rock salt	1,809	1,567	1,786	1,679	1,709	1,965
Coarse salt	12,733	9,778	19,054	30,820	38,678	36,524
Other salt	404	171	138	263	555	583
Tanganyika	4,254	5,633	6,846	8,184	9,280	8,442
Uganda	2,000	2,092	2,174	2,077	2,241	2,309
Union of South Africa	19,923	17,279	14,000	8,222	7,738	9,041
Canada	2,539	2,101	1,070	130,778	298,156	408,828
British West Indies—						
Bahamas (b)	54,107	121,071	116,500	40,786	27,893	113,429
Leeward Islands	5,851	5,298	4,164	4,557	991	(a)
Turks and Caicos Islands	10,300	9,155	11,687	13,817	15,781	21,028
Aden	342,196	165,638	193,759	243,766	217,000	327,220
Ceylon	—	—	60	—	48	—
Hong Kong (including re-exports)	1,896	2,345	1,731	1,898	717	297
India—						
Trade by sea	228,893	262,584	194,596	199,589	256,213	} 375,382
Trade by land	(c) 9,277	(c) 13,405	(c) 5,761	(c) 2,965	1,312	
Malaya (including re-exports)	8,975	8,214	8,882	7,209	5,384	7,675
Pakistan	(c) (a)	(c) 404	(c) —	(c) —	93,380	5,663
Australia (d)—						
Rock-salt	1,568	2	—	—	—	—
Refined salt	3,375	6,360	13,347	765	132	909
Other salt	18,062	12,184	5,092	20,477	23,581	18,891
FOREIGN COUNTRIES						
Austria	1,889	68	149	44	—	5,441
Belgium-Luxemburg E.U.—						
Common salt	56	5	44	61	637	148
Refined salt	40	85	20	35	17	39
Denmark—						
Refined salt, etc.	84	70	391	620	381	111
France	75,106	50,947	59,359	92,184	83,579	72,490
Germany (Federal)—						
Rock-salt, sea-salt, etc.	609,738	626,607	711,548	749,540	846,951	726,793
Italy—						
Rock-salt and sea-salt	151,312	115,411	106,458	130,691	119,226	99,020
Netherlands—						
Rock-salt	79	620	305	69	475	3,398
Refined salt	249,023	259,545	280,812	324,933	365,598	437,328
Norway—						
Common salt	474	3,642	4,613	3,646	9,476	6,176
Refined salt	35	550	290	144	558	901

(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) Years ended June 30 of that stated.

EXPORTS OF SALT (cont.)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Portugal	22,590	2,978	2,248	1,243	3,533	2,627
Spain	299,539	326,992	328,258	398,892	325,795	318,889
Sweden	1,378	776	1,518	1,709	826	269
U.S.S.R.	(a)	(a)	(a)	83,300	105,600	105,600
Algeria	20,918	28,755	42,001	47,788	47,024	32,152
Angola	20,360	14,161	19,613	19,991	23,723	33,134
Cape Verde Islands ..	23,913	22,188	18,316	16,825	17,858	22,053
Egypt—						
Common salt	79,200	272,094	325,546	223,473	216,203	(a)
Ethiopia (Eritrea) (c) ..	62,096	59,938	93,847	49,772	68,215	94,256
French Somaliland	11,041	16,209	19,661	28,034	6,752	(a)
Madagascar	919	1,562	1,642	1,625	2,339	1,165
Mozambique	1,575	1,098	754	1,303	2,337	7,130
Morocco (Southern)	16	20	84	204	5	—
Morocco (Northern)	902	870	796	1,347	939	(a)
Sudan	28,939	12,829	3,726	24,651	21,272	44,552
Tunis—						
Rock-salt and sea-salt	99,804	50,200	73,124	125,672	74,319	122,895
Cuba	362	272	109	258	262	(a)
Dominican Republic	(a)	1,649	18,135	14,833	32,054	32,749
Honduras	95	77	268	174	54	621
Mexico	28,117	10,804	1,025	763	1,554	59,800
Netherlands West Indies	2,359	341	(a)	125	199	(a)
Salvador	2,451	1,762	1,036	1,084	1,010	419
United States	312,474	222,786	343,981	363,509	300,286	348,846
Argentina	18,970	9,636	23,443	23,624	26,648	43,221
Brazil	9	9	—	2,953	—	—
Formosa	178,546	171,350	214,004	239,932	193,924	197,958
Indo-China	35,723	55,726	51,080	(d)	(d)	(d)
Iran (b)	1,453	10,556	17,876	(a)	(a)	(a)
Japan	558	781	14	—	—	1
Portuguese India	7,656	8,555	6,147	—	(a)	(a)
Thailand	(a)	165,579	188,495	171,096	260,910	219,647
Turkey	81,392	—	—	16,150	54,920	27,922
Vietnam	(e)	(e)	(e)	52,131	34,842	69,006

(a) Information not available.

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

(c) Years ended September 10 of that stated.

(d) See under Vietnam.

(e) See under Indo-China.

IMPORTS OF SALT

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Salt for use of fisheries ..	35,258	28,431	31,453	45,103	47,750	26,539
Other salt	290	1,597	669	2,912	3,721	(a)
Channel Islands	570	591	605	661	643	667
Malta—						
Refined salt	(£1,823)	£1,921)	(£3,355)	(£2,777)	(£3,160)	(£4,434)
Other salt	304	237	920	848	836	667
Gambia	563	704	811	451	385	429
Ghana—						
Refined salt	25	152	} 6,342	9,138	10,099	13,683
Other salt	1,718	4,842				
Kenya	4,847	2,360	2,043	2,173	5,407	332
Mauritius	1	1,743	614	56	4	8
Nigeria	82,328	85,917	91,423	98,173	102,285	92,243
Northern Rhodesia	7,228	6,506	(b)	(b)	(b)	(b)
Nyasaland	4,993	4,224	(b)	(b)	(b)	(b)
Seychelles	54	128	262	579	410	200
Sierra Leone	4,109	5,433	5,014	6,792	6,432	5,961
Somaliland Protectorate	14	45	63	20	34	—
South West Africa	316	334	266	(d)	(d)	(d)
Southern Rhodesia	17,406	15,453	(c) 30,710	(c) 28,662	(c) 29,547	(c) 32,034
Tanganyika	7,933	3,396	2,484	2,140	342	643
Uganda	13,395	10,567	7,758	4,366	10,241	11,374
Union of South Africa—						
Rock-salt	140	414	744	(e) —	(e) —	(e) 4
Common salt and refined salt	4,313	6,619	17,544	(e) 6,639	(e) 2,261	(e) 2,828
Zanzibar	939	2,236	881	1,074	1,288	1,900
Canada—						
Salt for use of fisheries	62,097	53,680	52,451	44,305	52,666	71,587
Refined salt	29	21	21	35	40	86
Other salt	195,127	220,703	278,253	281,759	232,227	256,435
British Honduras	257	427	432	442	441	(a)
British West Indies—						
Barbados	2,596	1,963	2,141	2,677	2,096	2,373
Bermuda	152	127	150	144	160	159
Dominica	360	373	341	38	(a)	(a)
Grenada	546	735	583	512	747	(a)
Jamaica—						
Rock-salt	79	10	247	133	41	29
Other salt	9,774	9,754	9,683	11,293	12,203	11,680
Leeward Islands	168	207	224	248	322	(a)
St. Lucia—						
Common salt	594	563	448	481	495	756
Refined salt	31	36	41	28	49	62
St. Vincent—						
Unrefined salt	220	288	364	221	205	(a)
Refined salt	221	168	50	149	324	(a)
Trinidad and Tobago—						
Rock and coarse salt	462	1,594	600	775	519	626
Refined salt	4,043	4,373	4,150	5,231	3,891	12,188
British Guiana—						
Rock and coarse salt	341	143	379	51	250	390
Refined salt, etc.	2,016	2,073	1,905	2,136	2,027	2,301
Aden	21	26	33	95	40	42
Brunei	182	176	198	246	230	416

(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.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
Ceylon—						
Refined salt	9	6	4	5	3	5
Other salt	30	18	41	40	30	12
Cyprus	43	77	64	117	206	207
Hong Kong (e)	27,738	31,842	30,022	32,599	26,586	33,287
India	2,070	11	431	28	20	87
Malaya (e)—						
Refined salt	127	152	161	240	195	211
Other salt	71,740	67,831	73,824	78,585	59,368	76,173
North Borneo	2,184	2,329	2,312	2,687	2,507	2,480
Pakistan (d)	(c) 9,276	(c) 13,405	(c) 5,761	(c) 2,965	1,312	1,750
Sarawak	3,786	3,695	4,152	3,880	3,966	4,260
Australia (b)—						
Rock-salt	2,554	3,705	3,433	2,755	2,261	2,504
Refined salt	5,400	402	3,087	2,440	2,250	1,400
Other salt	5,800	1,940	1,811	3,320	2,915	2,146
Fiji	2,692	571	1,417	1,330	2,277	927
New Guinea (b)	617	341	357	711	649	812
New Hebrides	117	158	119	157	91	90
New Zealand	71,887	36,276	51,267	54,905	58,197	47,803
Papua (b)	182	112	180	239	216	368
Solomon Islands (c)	14	14	28	24	22	29
Western Samoa	322	101	159	179	276	259
Irish Republic—						
Refined salt	3,805	1,786	1,205	1,939	2,034	2,176
Other salt	24,685	28,695	30,922	27,306	26,462	30,441
FOREIGN COUNTRIES						
Austria—						
Common salt	81	59	46	17	55	34
Belgium-Luxemburg						
E.U.—						
Common salt	323,689	377,874	420,751	448,150	456,207	460,556
Refined salt	72,133	77,264	76,731	78,576	91,246	65,689
Denmark—						
Rock-salt	1,955	1,237	1,208	1,169	1,018	322
Refined salt	102,359	112,730	111,838	121,124	124,996	128,542
Faroe Islands	6,726	23,872	20,311	11,218	11,626	(a)
Finland—						
Common salt	89,591	92,201	124,539	139,808	135,828	152,656
France	14,793	20,257	35,402	50,057	59,814	46,847
Germany (Federal)—						
Rock-salt, sea-salt, etc.	—	45	127	196	384	569
Iceland—						
Common salt	34,929	51,350	54,993	55,108	69,058	52,585
Refined salt	73	148	131	184	110	95
Italy—						
Rock and sea-salt	1,870	2,219	2,020	1,843	830	40
Netherlands—						
Rock-salt	65,486	53,887	60,355	58,552	69,820	45,055
Sea-salt, etc.	3,185	5,636	6,746	5,390	4,548	1,525
Refined salt	11	13	19	21	29	35
Norway—						
Common salt	242,205	188,704	189,549	229,687	265,670	234,595
Refined salt	25,928	26,780	32,950	33,345	34,896	34,571
Portugal	5	4	91	100	901	70,756
Sweden	313,813	283,057	311,223	330,192	406,307	409,549
Switzerland	583	306	452	492	443	610

(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) Total imports.

IMPORTS OF SALT (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Yugoslavia	27,887	—	—	29,513	83,379	75,353
Algeria	132	154	153	171	155	231
Belgian Congo	39,058	34,763	38,376	39,555	49,686	38,146
Cameroon (French)	14,505	6,118	11,134	10,334	10,813	12,313
Canary Islands	(a)	2,176	4,317	3,140	646	943
Ceuta	(a)	3,416	4,310	5,073	5,364	2,078
Egypt	181	44	178	130	(a)	(a)
Ethiopia (b)	50,872	35,265	5,466	1,762	2,524	824
French Equatorial Africa	8,073	8,220	6,127	7,647	8,112	8,144
French Togoland	3,100	3,439	5,406	4,300	6,414	6,329
French West Africa	6,042	9,773	13,779	18,700	15,747	24,600
Liberia	(a)	1,790	1,777	1,701	1,488	2,113
Madagascar	103	9	1,826	804	239	1,990
Melilla	(a)	522	541	235	649	589
Morocco (Southern)	3,625	5,569	4,172	4,775	6,723	4,170
Morocco (Northern)	6,180	5,459	5,931	2,267	4,805	(a)
Mozambique	3,325	4,150	2,301	4,040	4,190	9,626
Reunion	1,137	1,029	1,738	1,447	1,670	1,127
S. Tome and Principe	463	407	431	512	539	(a)
Sudan	93	3,546	338	88	66	83
Costa Rica	(a)	1,139	313	138	176	143
Cuba (g)	8,179	9,049	9,472	9,397	8,145	(a)
French West Indies—						
Guadeloupe	1,928	1,780	1,630	1,783	1,686	1,242
Martinique	1,926	2,358	1,773	1,265	3,174	1,538
Greenland	(a)	(a)	7,045	13,990	17,738	(a)
Guatemala (g)	608	69	63	78	69	42
Honduras	1,744	1,907	820	866	1,154	802
Mexico (g)	638	585	1,085	1,013	1,431	1,222
Netherlands West Indies	518	474	396	464	604	628
Nicaragua (g)	514	834	535	937	648	466
St. Pierre and Miquelon	4	5	2,447	1,090	850	2,129
Salvador	31	70	218	200	64	654
United States	6,300	122,597	143,545	165,762	328,760	584,062
Bolivia	687	480	212	218	245	4
Brazil (g)	146	11	34	17	24	38
Colombia	6	14	39	107	3	8
Dutch Guiana	954	1,003	950	905	1,037	928
French Guiana	274	176	291	243	266	281
Peru	15	15	38	1	54	1
Uruguay—						
Rock-salt	250	100	(a)	(a)	(a)	(a)
Coarse salt	61,412	50,940	30,364	55,953	31,013	54,614
Burma (g)	(a)	366	347	381	303	617
Indo-China	1,565	690	866	(e)	(e)	(e)
Indonesia	76	104	28	23	122,121	113,042
Iran (c)—						
Common salt	—	5	141	(a)	(a)	(a)
Refined salt	—	2	—	(a)	(a)	(a)
Iraq	—	—	55	102	50	(a)
Japan	1,447,293	1,362,278	1,715,993	1,993,037	2,267,414	2,053,208
Korea (d)	40,193	9,161	—	—	—	—
Laos	(f)	(f)	(f)	2,415	1,329	(a)
Lebanon	5,672	2,158	6,246	10,157	6,079	6,429
Syria	(a)	8	15	(a)	(a)	(a)
Philippine Republic—						
Crude	38	19	428	(a)	5,113	6,348
Refined	1,689	662	1,236	(a)	1,973	1,012
New Caledonia	417	423	455	434	306	464

(a) Information not available.

(b) Years ended September 10 of that stated.

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

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

(e) See under Laos.

(f) See under Indo-China.

(g) Total imports.

SELENIUM
PRODUCTION OF SELENIUM
 (lb. avdp.)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Northern Rhodesia (b) ..	31,758	29,410	14,354	17,160	32,055	25,137
Canada	242,030	262,346	323,529	427,109	330,389	352,871
Australia	2,000	3,791	3,442	2,455	2,581	(a)
FOREIGN COUNTRIES						
Belgium (e)	37,479	61,729	65,036	61,068	81,571	24,471
Finland	5,758	7,225	5,567	7,580	8,370	9,220
Sweden	107,570	115,884	166,235	139,841	168,532	143,054
Mexico	—	2,798	14,703	132,758	201,886	176,000
United States (c) (d)	687,384	923,887	713,244	699,296	928,400	f 1,061,000
Peru	—	—	4,057	7,425	(e) 4,839	6,870
Japan	58,694	65,572	92,345	127,055	162,917	156,100
WORLD'S TOTAL	1,172,700	1,472,600	1,402,500	1,621,700	1,921,500	1,960,000

(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.; 1957—(a).

(e) Exports.

(f) Including secondary.

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

Exporting Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Northern Rhodesia (b) ..	31,758	29,410	14,354	17,160	32,055	25,137
Canada (c)	244,121	253,620	344,292	334,215	409,729	228,051
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	37,479	61,729	65,036	61,068	81,571	24,471
Germany (Federal)	5,732	19,621	23,149	14,771	32,628	49,384
Sweden	98,291	110,231	154,324	134,482	138,891	99,208
Mexico	—	2,798	14,614	132,758	201,866	175,267
Peru	—	—	3,677	6,726	4,839	5,284
Japan	45,237	(a)	84,700	(a)	64,351	66,084

(a) Information not available.

(b) Contained in copper slimes exported for treatment.

(c) Including salts.

IMPORTS OF SELENIUM

(Less Re-exports)

(lb. avdp.)

Importing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom ..	178,520	213,128	190,612	179,088	193,150	141,864
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.	33,069	2,205	220	2,205	7,496	4,409
France (b)	50,045	44,754	36,156	45,415	68,784	42,108
Germany (Federal)	70,989	88,185	155,646	137,789	120,152	107,806
Italy	(a)	(a)	7,994	7,496	12,846	13,889
Sweden	534	—	—	2,205	41,881	—
United States (c)	123,135	102,200	209,596	191,928	234,969	172,678
Brazil (total imports)	2,575	5,739	3,071	7,198	4,273	5,062
Peru	—	117	88	90	22	183

(a) Information not available.

(b) Including tellurium.

(c) Including salts.

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

Producing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Bechuanaland Protectorate—						
Kyanite	2,130	1,750	1,834	750	876	107
Kenya—						
Kyanite	961	67	4,018	2,706	—	—
Mullite	7,475	5,367				
Nyasaland—						
Kyanite	40	1,208	1,450	—	—	—
South West Africa—						
Kyanite and sillimanite	2,679	2,426	125	214	1,961	3,473
Tanganyika (exports)—						
Kyanite	—	20	—	—	—	—
Union of South Africa—						
Andalusite	19,176	10,511	16,227	17,285	27,004	15,892
Sillimanite .. ..							28,313
India—						
Kyanite	26,882	15,374	42,330	11,741	20,135	23,504
Sillimanite	5,076	5,491	3,066	2,423	4,637	7,417
Australia—						
Sillimanite (b)	1,333	3,557	2,337	(d) 2,679	2,181	2,302
FOREIGN COUNTRIES						
United States—						
Kyanite (c)	30,000	35,000	33,000	43,000	51,000	51,000

(a) Information not available.

(b) Including andalusite and fibrolite. In addition the following amounts of kaolinised sillimanite ("dickite") were produced: 1952—1,774; 1953—2,477; 1954—2,476; 1955—2,948; 1956—2,169; 1957—2,315.

(c) Estimated.

(d) Including kyanite.

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

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Bechuanaland Protectorate—						
Kyanite	2,130	1,750	1,834	750	876	107
Kenya—						
Kyanite (incl. mullite)	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	3,732
Sillimanite	390					
Tanganyika—						
Kyanite	—	20	—	—	—	—
Union of South Africa—						
Andalusite and sillimanite	4,530	2,709	6,417	10,663	17,571	30,437
India—						
Kyanite	26,772	15,748	22,216	27,189	26,564	24,457
Sillimanite	4,214	3,232	2,414	3,745	5,251	5,624
Australia (b)—						
Kaolinised sillimanite	101	—	10	(a)	(a)	(a)
FOREIGN COUNTRIES						
France—						
Mullite	—	—	—	11	221	307
Italy—						
Mullite	20	—	—	125	343	149
United States—						
Kyanite, etc.	1,008	921	1,024	1,532	1,188	2,311

(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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (b)—						
Kyanite, sillimanite, etc.	14,200	8,800	13,700	13,300	19,400	19,000
Canada—						
Kyanite, etc.	1,156	774	691	1,181	1,419	1,520
Australia (c)—						
Kyanite	—	303	66	402	118	656
Sillimanite	15	55	—	36	98	188
FOREIGN COUNTRIES						
France—						
Kyanite	1,249	906	1,708	1,770	(d) 2,592	(d) 4,346
Mullite	1,204	1,375	870	1,170	345	554
Germany (Federal)—						
Kyanite and sillimanite	6,327	3,752	5,318	8,997	8,381	12,535
Mullite	1,479	679	364	495	208	391
Italy—						
Kyanite (incl. mullite) ..	1,089	1,655	1,862	2,251	4,478	3,163
United States—						
Kyanite, sillimanite, etc.	8,087	5,910	4,309	6,769	6,206	5,356

*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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain	30,734	28,914	26,497	29,706	27,878	27,337
Bechuanaland Protectorate	282	464	292	189	215	35
Ghana (b)	44,116	44,949	48,214	39,284	32,966	25,390
Kenya	17,315	21,758	1,325	1,770	54,689	23,051
Nigeria	183	173	182	172	111	200
Northern Rhodesia (c)	348,954	(h) 492,813	403,069	(h) 412,191	610,370	569,949
Southern Rhodesia	81,356	84,566	81,657	76,837	76,870	74,179
South West Africa (f)	925,374	835,241	855,290	1,279,213	1,880,055	(a)
Swaziland	—	—	—	—	14	—
Tanganyika (e)	172,083	264,852	211,478	343,468	561,848	521,623
Uganda (b)	14	55	85	70	52	21
Union of South Africa	1,176,433	1,193,152	1,235,418	1,461,336	1,598,279	1,767,472
Canada	25,222,227	28,299,335	31,117,949	27,984,204	28,431,847	30,138,447
India	17,675	14,624	161,185	153,935	104,604	126,000
Australia	11,425,872	12,402,963	13,827,038	14,555,412	14,586,197	15,739,439
Fiji	25,838	19,328	(h) 24,575	(h) 19,707	24,302	24,425
New Guinea	63,011	58,794	49,062	44,713	42,549	38,101
New Zealand	51,016	75,888	33,049	27,930	950	1,279
Total	39,603,000	h43,838,000	h48,076,000	h46,430,000	48,034,000	51,000,000
FOREIGN COUNTRIES						
Austria	4,501	5,144	5,594	3,665	1,286	1,286
Czechoslovakia (g)	1,608,000	1,608,000	1,608,000	1,608,000	1,608,000	1,608,000
Finland	150,080	235,794	239,459	224,573	318,453	373,592
France	712,171	675,519	555,951	628,065	541,869	601,000
Germany (Federal)	1,877,700	2,314,436	2,400,246	2,226,117	2,197,375	2,133,973
Germany (East) (g)	3,536,600	4,501,100	4,500,000	4,500,000	4,500,000	4,500,000
Greece	71,760	73,272	85,360	77,869	79,091	(d) 80,000
Italy (h)	711,211	849,778	784,395	838,250	870,141	949,617
Norway	147,006	113,138	131,271	70,700	55,000	(a)
Portugal	77,740	59,447	55,299	58,900	57,550	62,308
Spain	828,075	1,209,125	1,312,522	1,473,629	1,402,801	1,345,734
Sweden	2,196,282	1,571,464	2,215,604	2,397,738	2,562,414	2,512,163
Yugoslavia (refined)	2,577,043	3,048,019	2,829,394	2,983,589	2,760,013	2,589,742
Algeria	(a)	48,200	57,900	61,100	(g) 60,000	(g) 60,000
Belgian Congo	4,727,252	4,951,000	4,533,000	4,083,000	3,794,000	3,045,000
Morocco (Southern)	2,283,000	2,251,000	1,929,000	2,315,000	2,250,000	2,411,250
Mozambique	102	209	43	(a)	42	(a)
Tunis	167,409	125,034	106,100	91,726	86,485	(g) 85,000
Costa Rica	—	—	—	—	(i) 80	—

(a) Information not available.

(b) Exports.

(c) Recovered from copper-refinery slimes.

(d) Estimated.

(e) Including silver in lead concentrates exported amounting to 135,212; 223,434; 169,589; 300,322; 527,860 and 500,945 fine troy ounces in 1952; 1953; 1954; 1955; 1956 and 1957 respectively.

(f) Accounted for by smelters.

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

(h) Revised.

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

PRODUCTION OF SILVER (cont.)

(Fine troy ounces)

Producing Country	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Cuba	(b) 163,211	(b) 167,895	164,235	259,440	284,202	(b) 252,728
Guatemala	371,679	458,481	284,000	343,111	533,179	528,436
Honduras (d)	3,703,975	5,640,251	3,432,023	1,797,394	2,030,008	(b) 2,187,031
Mexico	50,353,561	47,886,441	39,896,467	47,957,655	43,078,040	47,149,514
Nicaragua	238,389	252,697	218,148	268,316	258,521	230,081
Salvador	349,182	348,328	256,772	230,054	167,740	172,306
United States	39,452,330	37,570,838	36,941,384	37,197,742	38,948,121	38,164,915
Argentina	962,948	895,474	1,639,688	1,490,000	1,547,445	(g) 1,350,000
Bolivia (c)	7,065,608	6,787,440	5,043,680	5,851,242	7,543,304	5,375,058
Brazil	192,229	211,938	126,449	140,113	124,005	(g) 200,000
Chile	1,415,535	1,497,839	1,644,961	1,772,503	1,921,489	1,555,935
Colombia	123,165	117,383	112,534	112,036	110,729	106,494
Ecuador	82,200	86,600	35,100	47,500	294,000	34,800
Peru (f)	19,179,525	19,650,695	20,405,883	22,947,625	22,972,766	25,310,479
Burma	154,783	718,333	1,278,289	1,537,895	1,365,154	1,526,810
Formosa	6,720	40,671	40,156	63,948	53,960	82,965
Japan	5,177,909	6,028,489	6,162,815	5,948,627	6,166,963	6,526,183
Korea (South)	6,141	52,149	50,252	79,637	196,409	277,364
Philippine Republic	693,751	572,046	527,160	502,069	541,168	479,216
Saudi Arabia	111,946	150,626	61,530	—	—	—
Total* (d)	152,000,000	154,000,000	143,000,000	153,000,000	152,000,000	154,000,000
WORLD'S TOTAL* (d)	192,000,000	198,000,000	191,000,000	199,000,000	200,000,000	205,000,000

*Totals exclude estimates for the U.S.S.R. for which no authentic figures are available. (In recent years Russian production has been estimated by the U.S. Bureau of Mines as 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) Revised.
- (e) U.S. Bureau of Mines.
- (f) Figure for 1952 includes silver recovered from anode residues.
- (g) Estimated.

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

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom (b)—						
Refined bullion ..	13,746,387	12,892,517	12,049,160	11,392,486	} 75,836,726	39,331,255
Unrefined bullion ..	—	22,881	—	—		
Malta (b)—						
Bullion and scrap ..	2,000	700	—	—	—	—
Ghana—						
Bullion	44,116	44,949	48,214	39,284	32,966	25,390
Kenya—						
Refined bullion ..	—	—	—	—	—	22,960
South West Africa—						
Concentrates (d) ..	(a)	(a)	(a)	1,279,214	1,264,279	1,789,323
Southern Rhodesia—						
Bullion	83,898	85,506	79,442	80,128	73,477	74,079
Tanganyika—						
Concentrates	135,212	223,780	169,638	300,322	527,860	500,945
Refined bullion ..	35,900	41,234	42,156	43,292	35,020	20,520
Uganda—						
Bullion	14	55	85	70	52	20
Union of South Africa—						
Bullion	—	—	66	643	634,266	1,318,673
Canada—						
Ore, concentrates, etc.	3,546,448	5,686,518	8,672,340	5,873,873	6,924,414	5,979,459
Bullion	14,928,515	14,632,914	14,467,015	16,598,577	14,341,753	12,799,990
Hong Kong (b)—						
Bullion	1,980,000	1,280,000	585,000	1,033,000	1,322,000	943,269
India—						
Bullion	(a)	(a)	(a)	(a)	(a)	33,356,619
Malaya (b)—						
Bullion	1,204,400	1,600,200	1,151,500	502,000	531,500	946,500
Australia (c)—						
Ores and concentrates ..	1,093,672	1,219,317	1,992,651	1,964,688	1,866,866	2,370,890
Silver-lead bullion ..	1,720,936	4,064,318	2,580,480	3,363,832	2,683,035	4,797,845
Bullion, refined ..	} 5,537,621	5,954,073	6,882,588	6,029,283	6,450,622	16,521,195
do. unrefined ..			11,620	84,582	3,000	46,690
Beaten, rolled or drawn			17,589	33,290	31,734	2,584
Fiji—						
Bullion	22,035	14,677	17,794	12,300	4,842	1,360
New Guinea (c)—						
Bullion	53,429	64,420	50,919	46,922	42,950	41,354
New Zealand						
Concentrates	843	3,016	22,153	8,584	(a)	(a)
Scrap, sweepings, etc. .	84	—	—	—	1,600	(a)
Beaten, rolled or drawn	750	31,000	20,000	3,000	300	(a)
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U. (b)—						
Bullion and scrap ..	(a)	4,372,000	3,495,000	2,432,000	3,778,000	3,858,000
Denmark (b)—						
Bullion	57,000	39,000	43,500	40,000	35,000	49,000
Beaten, rolled or drawn	1,400	2,000	—	600	300	1,100
France (b)—						
Bullion and scrap ..	938,000	1,762,000	2,036,000	2,325,000	4,261,000	2,432,000
Beaten, rolled or drawn	169,000	191,000	299,000	390,000	258,000	447,000

*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.

EXPORTS OF SILVER (cont.)

(Fine troy ounces)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Germany (Federal) (b)—						
Bullion	(e)2,820,000	6,522,000	8,413,000	9,017,000	13,447,000	18,955,000
Italy—						
Bullion, and scrap ..	7,000	—	—	1,000	—	500
Netherlands (b)—						
Bullion and scrap ..	789,000	1,081,000	10,023,000	18,768,000	19,798,000	5,268,000
Sweden—						
Bullion	174,000	495,000	560,000	565,000	589,000	536,000
Switzerland (b)—						
Bullion	13,700	421,200	303,000	169,000	16,000	157,000
Yugoslavia—						
Bullion	(a)	(a)	2,428,000	1,756,000	2,181,000	1,922,000
Belgian Congo—						
Bullion	172,000	36,000	41,000	34,000	31,000	29,000
Morocco (Southern)—						
Bullion	299,000	670,000	617,000	525,000	587,000	(a)
Honduras—						
Bullion	3,735,656	5,554,166	3,432,023	1,962,532	1,921,672	2,230,839
Cuba (d)—						
Bullion, etc.	163,211	167,895	179,479	366,673	216,489	252,728
Mexico—						
Bullion, etc.	24,000,000	36,930,000	42,356,000	38,831,000	33,753,000	37,323,000
Nicaragua—						
Bullion	246,000	230,000	207,000	235,000	221,000	209,000
Salvador—						
Bullion	354,000	328,000	238,000	212,000	134,000	164,000
United States—						
Ore and base bullion ..	—	—	29,917	71,074	2,058,401	1,372,682
Refined bullion	2,004,933	1,022,773	1,672,618	4,821,635	3,442,479	8,926,674
Bolivia—						
Ores, etc.	7,065,608	6,787,440	5,043,680	5,851,274	7,543,304	5,375,090
Chile—						
Ores	820,176	1,197,740	1,220,521	1,533,437	(a)	(a)
Colombia—						
Bullion and scrap ..	—	—	—	14,000	79,000	15,000
Peru—						
Ores and concentrates	7,141,286	7,184,701	8,918,409	8,961,158	10,640,940	10,475,843
Bullion	8,748,541	8,203,123	10,002,418	11,004,196	10,083,953	10,233,361
Matte, slag, etc. ..	335,605	309,259	270,549	342,634	536,024	427,221
Japan—						
Bullion and scrap ..	(a)	(c)6,356,000	(c)4,013,000	(c) 963,000	644,000	37,000
Philippine Republic—						
Concentrates	24,700	69,134	39,268	10,181	—	—
Bullion	74,000	—	—	2,785	8,370	—

(a) Information not available.

(b) Including foreign produce.

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

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

(e) April to December only.

TOTAL IMPORTS OF SILVER*

(Metal content)
(Fine troy ounces)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ores	3,668,000	3,603,000	3,467,000	4,472,000	4,326,000	4,962,000
Unrefined bullion ..	1,840,268	2,068,943	951,933	2,155,316	4,004,141	2,926,311
Refined bullion ..	8,381,916	31,656,236	22,167,632	27,296,133	16,286,379	13,032,752
Malta—						
Bullion	3,200	5,800	3,400	4,400	9,500	5,500
Ghana—						
Bullion	148,277	115,465	104,123	105,440	65,907	40,973
Kenya and Uganda—						
Bullion	200	300	—	—	—	—
Nigeria—						
Bullion	4,574	—	3,345	24,030	16,730	6,433
Sierra Leone—						
Bullion	2,633	3,443	3,295	1,428	1,380	2,125
Union of South Africa—						
Bullion	1,048,983	502,950	—	6,242	4,225	5,571
Zanzibar—						
Bullion	—	—	—	—	600	60
Canada—						
Bullion	145,898	287,497	60,165	87,128	1,010,180	1,895,131
British Guiana—						
Bullion	40	—	800	—	1,300	1,600
British West Indies—						
Jamaica—						
Bullion	600	—	1,200	2,200	1,100	1,850
Trinidad and Tobago—						
Bullion	6,800	—	—	1,700	6,000	—
Ceylon—						
Bullion	40,000	50,000	1,200	5,000	2,000	523,000
Cyprus—						
Bullion	3,300	4,600	1,300	6,300	4,800	22,500
Hong Kong—						
Bullion	1,027,000	336,000	110,000	134,000	162,000	22,000
India—						
Bullion	107,762	201,083	—	399	10,822	68
Malaya—						
Bullion	200	800	300	600	400	20
Sarawak—						
Bullion	900	40	17,000	2,400	60	1,000
Australia (b)—						
Matte	(a)	(a)	—	4,148	2,900	—
Bullion	120,789	97,749	80,563	89,315	83,385	73,190
Beaten, rolled or drawn				101	9	19
Fiji—						
Bullion	—	130	280	—	—	—
New Zealand—						
Bullion	315	21,677	59,123	30,556	41,038	54,453
Beaten, rolled or drawn	600	800	1,400	4,000	5,600	368,000
Irish Republic—						
Bullion	—	—	—	2,100	1,100	—

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

(a) Information not available.

(b) Years ended June 30 of that stated.

IMPORTS OF SILVER (*cont.*)

(Fine troy ounces)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
Austria—						
Bullion	(a)	127,000	174,000	1,174,000	1,564,000	5,559,000
Belgium-Luxemburg						
E. U.—						
Bullion and scrap	(a)	1,511,000	3,000,000	704,000	1,952,000	3,643,000
Denmark—						
Bullion	1,065,000	1,318,000	1,160,000	1,060,000	1,119,000	1,393,000
Beaten, rolled or drawn	849,000	977,000	1,009,000	1,141,000	1,168,000	1,066,000
Finland—						
Bullion, etc.	202,000	3,100	430,000	335,000	1,201,000	1,172,000
France—						
Bullion and scrap	4,221,000	8,627,000	9,379,000	9,116,000	12,526,000	10,856,000
Beaten, rolled or drawn	57,000	43,500	91,000	173,000	672,000	212,000
Germany (Federal)—						
Bullion	(b)7,334,000	2,506,000	15,039,000	24,218,000	27,367,000	34,355,000
Italy—						
Bullion and scrap	2,424,000	4,556,000	7,712,000	7,020,000	5,447,000	5,535,000
Netherlands—						
Bullion and scrap	1,211,000	1,732,000	1,704,000	1,608,000	1,622,000	1,390,000
Norway—						
Bullion	(a)	957,000	992,000	974,000	829,000	821,000
Beaten, rolled or drawn	906,000	785,000	1,015,000	992,000	1,103,000	960,000
Portugal—						
Bullion and scrap	1,564,000	1,389,000	1,147,000	2,010,000	2,853,000	4,065,000
Beaten, rolled and drawn	9,000	2,000	9,000	18,000	11,000	14,000
Sweden—						
Bullion	1,124,000	2,499,000	4,527,000	901,000	1,287,000	1,245,000
Switzerland—						
Bullion	1,950,000	2,938,000	5,800,000	5,400,000	4,331,000	6,506,000
Algeria—						
Bullion and scrap	99,000	93,000	74,000	121,000	124,000	135,000
Beaten, rolled or drawn	130,000	114,000	136,000	196,000	140,000	101,000
Egypt—						
Bullion and scrap	13,500	5,600	7,000	16,500	(a)	(a)
Sudan—						
Bullion	20,600	6,600	—	—	—	(a)
Guatemala—						
Bullion	82,000	—	—	54,000	200	80,000
United States—						
Orc and base bullion	30,779,137	37,685,219	49,008,443	55,658,175	63,125,065	99,925,905
Refined bullion	44,737,809	43,824,916	41,888,631	28,861,015	99,706,716	106,192,994
Brazil—						
Bullion	320,000	341,000	1,106,000	284,000	434,000	568,000
Colombia—						
Bullion and scrap	211,000	186,000	487,000	1,041,000	812,000	320,000
Turkey—						
Bullion, etc.	112,000	72,000	24,000	25,000	500	—

(a) Information not available.

(b) April to December only.

STRONTIUM MINERALS
PRODUCTION OF STRONTIUM MINERALS
(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Celestite	8,100	2,965	2,100	4,750	9,200	6,900
Pakistan—						
Celestite	431	820	349	434	220	853
FOREIGN COUNTRIES						
Italy—						
Celestite	25	—	—	69	209	1,095
Morocco—						
Strontium minerals ..	—	—	—	—	—	266
Tunis—						
Strontianite	30	—	—	—	—	—
Mexico (b)—						
Celestite	1,178	2,209	1,723	1,786	2,130	1,820
United States—						
Strontium minerals ..	—	45	11	158	3,591	(a)
Argentina—						
Celestite	(a)	(a)	(a)	(a)	358	(a)

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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Celestite (b)	7,286	3,940	1,236	3,619	6,357	4,128
FOREIGN COUNTRIES						
France—						
Strontianite	—	—	2	5	(a)	(a)
Oxide	6	1	—	—	—	—
Germany (Federal)—						
Strontianite and celestite	—	—	—	12	27	—
Italy—						
Strontianite and celestite ..	1	42	—	—	—	—
Tunis—						
Strontianite	(a)	—	—	689	—	—
Celestite	(a)	—	—	—	—	—
Mexico—						
Celestite	1,178	2,209	1,723	1,786	2,130	1,820

(a) Information not available.

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

IMPORTS OF STRONTIUM MINERALS, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
New Zealand— Strontium compounds	(£NZ398)	(£NZ138)	(£NZ265)	(a)	(a)	(a)
FOREIGN COUNTRIES						
France—						
Celestite	483	60	60	120	(a)	(a)
Strontianite	129	—	—	579	(a)	(a)
Germany (Federal)— Strontianite and celestite	—	290	321	438	637	445
United States—						
Strontianite and celestite	8,497	6,158	2,938	5,468	8,428	5,826
Strontium compounds	(a)	7	3	3	2	—
Turkey—						
Strontium compounds	1	1	1	2	(a)	(a)

(a) Information not available.

SULPHUR
PRODUCTION OF SULPHUR*
(Long tons)

Producing Country and Description	Estimated Sulphur Content						
	1952	1953	1954	1955	1956	1957	1957
BRITISH COUNTRIES							
United Kingdom—							
Spent oxide	(a)	(a)	(a)	(a)	(a)	(a)	126,129
Anhydrite	(a)	(a)	(a)	(a)	(a)	(a)	156,489
Other (b)	(a)	(a)	(a)	(a)	(a)	(a)	39,142
Canada—							
Smelter gas	(a)	(a)	(a)	(a)	(a)	(a)	219,944
Hydrogen sulphide (d) ..	(a)	(a)	(a)	(a)	(a)	(a)	87,654
Australia—							
Sulphur recoverable from:							
zinc concentrates	(a)	(a)	(a)	(a)	(a)	(a)	150,900
lead concentrates	(a)	(a)	(a)	(a)	(a)	(a)	43,412
Spent oxide	12,000	13,579	11,702	13,778	14,692	14,379	5,751
FOREIGN COUNTRIES							
France—							
Sulphur rock	378,664	301,375	—	—	—	—	—
Sulphur (d)	—	—	—	—	—	—	(a)
Germany (East)—							
Sulphur	80,115	84,621	86,970	93,985	92,748	100,190	100,190
Greece—							
Sulphur rock	—	10,152	20,596	28,575	9,930	(h)10,000	1,200
Italy—							
Sulphur rock	1,846,692	1,892,142	1,712,990	1,756,314	1,699,903	(a)	(a)
Fused (e)	232,705	224,160	194,063	181,628	170,093	171,367	171,367
Ground sulphur rock (e) ..	21,489	16,940	22,803	21,560	22,218	19,904	6,000
Norway (c)	103,133	101,703	99,086	98,863	95,381	(a)	(a)
Portugal (c)	15,510	16,697	16,099	15,465	16,922	16,675	16,458
Spain—							
Sulphur rock	35,795	37,849	39,736	45,819	46,181	26,751	7,500
Refined sulphur (f)	51,859	40,224	43,327	57,079	64,803	62,174	62,174
Sweden—							
Sulphur	17,781	23,702	27,425	28,419	30,338	33,309	33,309

* See also Pyrites (page 295).

(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.
(h) Estimated.

PRODUCTION OF SULPHUR (cont.)

(Long tons)

Producing Country and Description	Estimated Sulphur Content												
	1952	1953	1954	1955	1956	1957	1952	1953	1954	1955	1956	1957	
FOREIGN COUNTRIES (cont.)													
Egypt (h)	3,073	3,266	3,736	3,755	(a)	(a)	3,073	3,266	3,736	3,755	(a)	(a)	
Mexico—													
Mined (f)	11,784	(j)12,000	62,000	i 484,452	758,412	1,024,066	11,784	12,000	62,000	484,452	758,412	1,024,066	
Refined sulphur (e)	36,504	27,591	(j)19,918	(j)25,728	14,577	41,642	36,504	27,591	19,918	25,728	14,577	41,642	
United States—													
Crude sulphur (f)	5,293,145	5,155,342	5,514,640	5,738,978	6,423,883	5,491,212	5,293,145	5,155,342	5,514,640	5,738,978	6,423,883	5,491,212	
Sulphur ore (g)	8,556	151,819	214,157	199,899	212,476	276,868	2,197	38,257	64,333	60,902	60,402	87,313	
Smelter gas (b)	774,177	775,969	791,049	992,903	1,064,406	1,194,230	253,100	253,000	258,600	324,580	347,954	390,394	
By-product sulphur (c)	254,287	344,020	361,391	401,134	467,136	(a)	251,198	341,660	359,271	398,780	464,758	510,511	
Hydrogen sulphide (c)	77,307	92,787	85,255	106,129	102,300	102,157	66,512	80,167	73,046	93,712	89,428	88,446	
Argentina—													
Refined sulphur	15,000	16,000	17,000	(a)	18,587	16,981	15,000	16,000	17,000	(a)	18,587	16,981	
Bolivia (exports)—													
Refined sulphur	5,497	2,458	2,566	3,976	3,418	783	5,497	2,458	2,566	3,976	3,418	783	
Chile—													
Refined sulphur	48,054	32,275	45,526	50,782	37,372	(d)37,000	47,814	32,114	45,298	50,528	37,086	37,000	
Colombia—													
Refined sulphur	2,566	2,660	5,100	5,400	5,000	(d) 5,000	2,566	2,660	5,100	5,400	5,000	5,000	
Ecuador—													
Sulphur	2,600	1,000	(a)	(a)	(a)	(a)	2,600	1,000	(a)	(a)	(a)	(a)	
Peru—													
Crude	—	(a)	—	—	—	—	—	404	—	—	—	—	
Refined sulphur	5,066	4,516	—	—	—	—	5,041	4,493	—	—	—	—	
Formosa—													
Refined sulphur	5,001	3,423	5,873	4,854	7,864	9,433	5,001	3,423	5,873	4,854	7,864	9,433	
Iran—													
Sulphur (d)	1,500	(a)	(a)	250	(a)	400	(a)	(a)	(a)	140	(a)	(a)	
Japan—													
Refined sulphur	176,651	186,555	184,744	199,675	243,312	253,501	176,651	186,555	184,744	199,675	243,312	253,501	
Philippine Republic (i)	(a)	(a)	(a)	(a)	—	(a)	(a)	(a)	(a)	7,021	—	2,308	
Turkey—													
Refined sulphur	8,248	9,693	9,837	11,318	13,680	12,900	8,240	9,683	9,827	11,307	13,666	12,900	

Sulphur is also produced in U.S.S.R., Iraq and Manchuria. (a) Information not available.

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

(c) Produced in treatment of industrial gases.

(d) Estimated.

(e) Recovered from natural gas.

(f) Frasch-process mines.

(g) Other mines.

(h) Recovered from petroleum refineries.

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

(j) Revised.

EXPORTS OF SULPHUR
(Domestic Produce)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom ..	1,162	1,181	2,109	2,102	1,293	1,238
Union of South Africa ..	98	62	75	109	237	281
Canada	—	4,136	2,981	2,274	3,867	11,040
Trinidad	—	831	1,013	2,208	—	—
Hong Kong (re-exports)	92	—	—	—	—	40
Malaya (including re-exports)	13	4	7	3	21	93
Australia—						
Zinc concentrates (S content) (b) ..	61,600	60,000	68,000	60,800	68,400	82,900
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Crude	230	787	394	3	168	442
Refined	2,530	2,569	3,042	4,592	3,948	2,130
France—						
Rock	470	28	25	—	(a)	(a)
Crude	3,632	1,774	5,910	12,727	8,490	9,042
Unrefined ground ..	1,512	644	600	1,126	1,946	2,037
Refined lump	3,446	2,423	5,680	5,379	1,553	877
Flowers of sulphur ..	248	85	12	18	1,903	3,943
Precipitated sulphur ..	20	2	2	1	542	578
Germany (Federal) ..	8,580	18,315	15,707	19,700	24,178	25,879
Germany (East)	23,137	12,494	22,900	29,588	17,073	19,578
Italy—						
Crude	50,747	6,832	518	44,306	122,500	122,439
Refined	27,011	5,397	7,694	5,658	6,586	25,541
Flowers of sulphur ..	345	262	345	413	555	405
Precipitated sulphur ..	20	10	—	17	—	1
Netherlands—						
Crude	2,684	8,667	8,031	4,625	3,891	3,687
Refined	225	340	697	24	102	147
Norway	60,655	64,836	97,692	77,802	70,452	69,729
Portugal	2,660	480	651	573	469	1,294
Spain—						
Crude	1,025	—	—	—	—	5
Refined	991	3	—	—	—	3
Sweden	375	4,488	4,296	1,295	1,065	701
U.S.S.R. (d)	(a)	(a)	(a)	29,200	25,100	40,300
Mexico	8,940	4,462	49	177,500	493,990	863,344
United States—						
Crude	1,304,154	1,241,536	1,645,000	1,600,951	1,651,307	1,562,301
Refined and flowers of sulphur	34,213	29,475	30,130	34,701	24,006	17,420
Bolivia	5,497	2,458	2,566	3,976	3,418	783
Chile	29,107	16,105	19,200	47,700	26,131	(a)
Colombia	591	—	—	98	—	—
Ecuador	(a)	2,472	52	2,211	316	(a)
Peru	4,635	603	997	98	49	—
Iran (c)—						
Crude	2,862	171	122	(a)	(a)	(a)
Refined	47	38	—	(a)	(a)	(a)
Japan	43,290	14,921	14,874	5,387	595	43
Turkey	—	—	—	837	5,413	—

(a) Information not available.

(b) Estimated amount recoverable.

(c) Years ended March 20 following that stated.

(d) May include some foreign produce.

IMPORTS OF SULPHUR

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom ..	407,139	196,736	374,618	358,654	352,480	322,814
Malta—						
Crude	(a)	(a)	69	32	2	50
Flowers of sulphur ..	36	159	(£4,718)	(£8,060)	(£4,460)	(£3,800)
Kenya	310	59	40	111	131	203
Mauritius	5	—	25	1	93	94
Northern Rhodesia ..	1	1	(c)	(c)	(c)	(c)
South West Africa ..	76	32	49	(f)	(f)	(f)
Southern Rhodesia ..	14	28	(d) 65	(d) 19	(d) 32	(d) 76
Tanganyika	76	36	18	149	236	304
Uganda	198	326	117	602	261	854
Union of South Africa ..	72,558	71,479	66,123	(g) 93,910	(g) 111,295	(g) 104,064
British Guiana	3	(b) 1	—	—	—	1
Canada	370,668	320,629	276,899	333,352	421,557	372,275
Trinidad and Tobago ..	416	13	19	15	22	24
Ceylon	4,077	2,454	3,593	3,532	2,438	5,641
Cyprus	1,051	2,038	518	383	948	1,272
Hong Kong (h)	10	—	1,098	1,421	776	859
India (h)	65,776	51,884	65,664	83,589	83,427	115,491
Malaya (h)	150	120	255	223	277	415
Pakistan	(e) 500	(e) 569	(e) 1,186	(e) 773	1,036	1,112
Australia	84,129	132,203	191,812	192,584	205,880	138,083
New Zealand	79,245	87,399	133,219	127,985	89,393	93,373
Irish Republic	284	183	192	286	1,628	5,737
FOREIGN COUNTRIES						
Austria	20,845	18,894	30,848	16,629	26,763	31,707
Belgium-Luxemburg						
E.U.						
Crude	39,650	29,732	49,914	78,893	66,810	104,471
Refined	508	514	312	326	381	416
Denmark	573	533	954	1,061	1,371	2,419
Finland—	27,215	20,417	42,119	52,811	59,770	64,268
France—						
Crude	116,440	101,799	212,719	223,616	272,193	299,359
Unrefined ground ..	—	43	1,093	55	80	152
Refined lump	1,969	4,728	1	24	158	1
Flowers of sulphur ..	20	20	3,190	318	—	—
Precipitated	25	10	6	12	62	29
Germany (Federal)	32,934	14,556	36,287	55,902	62,415	63,844
Greece	7,875	10,769	9,392	12,499	9,220	9,193
Netherlands	1,776	836	855	2,287	7,293	23,726
Norway	74	146	197	187	1,868	4,632
Portugal—						
Crude	—	4,429	—	2,302	1,145	2,131
Flowers of sulphur ..	10	40	130	304	394	438
Other sulphur	8	20	41	51	63	59
Spain—						
Crude	14	3,937	2,867	6,193	14,065	—
Refined, etc.	44	12	12	20	46	21

(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) Included with the Union of South Africa.

(g) Includes South West Africa.

(h) Total imports.

IMPORTS OF SULPHUR (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Sweden	40,220	33,511	42,187	70,495	78,650	68,707
Switzerland—						
Crude and ground	19,647	22,593	66,775	75,582	45,551	36,298
Flowers of sulphur	244	122	219	257	267	255
U.S.S.R. (<i>b</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	12,300	57,000	92,300
Yugoslavia	5,353	(<i>a</i>)	5,799	5,737	69	3,635
Algeria—						
Crude	18,694	14,160	15,826	25,354	17,352	20,067
Unrefined, ground	1,207	486	275	649	1,362	1,098
Refined	915	489	754	683	444	431
Flowers of sulphur	177	28	3	9	20	—
Precipitated	15	—	—	—	331	451
Angola	123	40	44	154	69	149
Belgian Congo	254	220	107	120	294	163
Egypt	4,768	5,721	4,563	6,892	9,135	(<i>a</i>)
Madagascar	51	44	33	34	61	57
Morocco (Southern)—						
Crude	3,842	8,146	7,141	6,987	3,450	3,992
Unrefined, ground	56	55	56	174	176	140
Refined	1,031	1,641	2,308	2,445	435	215
Flowers of sulphur	50	2	24	10	1,695	2,103
Precipitated	—	1	—	4	113	66
Mozambique	159	472	559	641	882	970
Tunis—						
Crude and unrefined	(<i>a</i>)	10,577	18,257	23,613	38,125	1,554
Refined and flowers of sulphur	(<i>a</i>)	83	381	410	268	769
Costa Rica (<i>b</i>)	(<i>a</i>)	49	71	39	10	45
Cuba (<i>b</i>)	11,302	11,500	11,334	11,863	17,513	(<i>a</i>)
Guatemala (<i>b</i>)	92	173	173	80	125	193
Mexico (<i>b</i>)	5,978	7,384	5,632	8,587	105	207
Netherlands West Indies	21,001	2,851	15,201	4,004	(<i>a</i>)	(<i>a</i>)
Nicaragua (<i>b</i>)	135	161	121	129	21	15
Salvador	191	100	88	81	95	161
United States	4,863	1,229	1,214	34,627	212,229	495,668
Argentina—						
Crude	23,017	31,331	1,202	—	21,291	43,235
Refined and flowers of sulphur	75	52	98	66	25	103
Brazil (<i>b</i>)—						
Crude	79,709	52,839	83,637	64,269	91,787	98,058
Refined	(<i>a</i>)	9,438	6,547	1,671	1,281	2,199
Flowers of sulphur	(<i>a</i>)	101	151	134	115	433
Precipitated	(<i>a</i>)	11	49	53	41	71
Colombia	279	660	431	448	384	250
Ecuador	79	74	58	39	20	(<i>a</i>)
Peru	2,671	2,836	5,918	3,207	2,502	3,450
Uruguay	3,771	2,567	5,005	6,658	1,215	6,429
Venezuela (<i>b</i>)	295	1,245	1,242	1,672	2,130	2,311
Burma (<i>b</i>)	(<i>a</i>)	351	152	278	210	1,596
Indonesia	10,098	5,830	6,013	10,682	9,941	7,396
Israel	7,033	4,047	3,384	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Lebanon	606	722	761	982	1,159	1,812
Philippine Republic	122	12,443	3,715	1,106	1,814	2,152
Syria	(<i>a</i>)	618	461	552	619	743
Thailand (<i>b</i>)	(<i>a</i>)	335	240	507	143	1,072
Turkey—						
Refined and flowers of sulphur	109	74	1,003	468	28	223

(*a*) Information not available.

(*b*) Total imports.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain	2,586	3,940	3,970	5,036	3,813	3,800
Kenya (b)	231	155	99	—	—	—
Southern Rhodesia	—	5	2	—	—	—
Swaziland—						
Pyrophyllite	—	—	—	—	—	20
Union of South Africa (c)	8,537	7,120	7,120	1,412	1,757	2,066
Canada (shipments)	22,350	24,471	25,128	24,250	26,184	31,004
India	20,772	29,135	42,326	42,390	46,855	43,976
Australia—						
Talc	7,320	9,806	12,940	12,567	13,035	14,284
Pyrophyllite	285	129	184	266	339	261
FOREIGN COUNTRIES						
Austria	50,096	50,426	60,991	69,558	65,012	72,246
France	107,914	107,762	117,995	118,467	113,250	139,500
Germany (Federal)	37,861	40,145	48,051	49,617	50,425	42,789
Greece	1,200	—	1,139	2,070	2,000	(e) 2,000
Italy	80,255	81,293	84,322	98,475	93,755	90,317
Norway	63,062	60,579	70,357	66,150	61,186	(a)
Portugal	6	16	5	10	85	—
Spain	18,121	18,500	20,443	22,471	27,508	28,629
Sweden	7,607	8,048	12,273	11,244	11,974	11,433
Egypt	4,527	2,240	2,520	6,102	6,882	(e) 5,900
United States—						
Talc	424,475	453,644	439,546	506,472	510,074	467,781
Pyrophyllite	112,050	110,229	113,127	141,482	149,782	143,337
Argentina	(d) 16,000	(a)	(a)	23,000	25,000	(a)
Brazil	19,164	20,952	19,613	24,276	27,396	20,556
Peru—						
Talc	122	—	—	595	} 3,599	(e) 2,900
Pyrophyllite	—	—	—	2,715		
Uruguay	668	605	1,042	1,115	1,410	1,398
Afghanistan	790	600	640	(d) 710	(d) 800	(d) 700
Formosa	1,076	1,736	6,956	5,185	6,034	5,302
Japan—						
Talc	10,401	14,198	17,624	20,160	30,546	} e 330,000
Pyrophyllite	302,956	309,188	202,194	204,374	278,246	
Korea (South)—						
Talc	3,901	8,463	8,195	6,103	6,107	6,496
Pyrophyllite	9,675	15,629	10,524	4,694	7,837	4,606
TOTAL*	1,330,000	1,390,000	1,340,000	1,470,000	1,570,000	1,560,000

* 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): 1952—3,735; 1953—364; 1954—337; 1955—213; 1956—237; 1957—531.

(d) Estimated.

(e) United States Bureau of Mines' estimate.

EXPORTS OF TALC
(Domestic Produce)
(Long tons)

Exporting Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Canada	3,067	2,623	3,222	3,954	2,333	2,101
India	4,060	7,384	6,361	7,869	7,672	7,021
Malaya (re-exports)	539	(a)	244	211	280	203
Australia (b)	(a)	(a)	1,942	2,365	2,507	2,604
FOREIGN COUNTRIES						
Austria	30,442	32,589	44,109	49,010	49,151	50,349
Belgium-Luxemburg						
E.U.	83	48	62	57	75	20
France	23,115	24,278	28,644	36,064	29,054	31,801
Germany (Federal)	938	306	746	926	1,115	1,017
Italy	26,117	32,623	30,216	40,939	38,807	39,745
Norway	39,680	39,895	50,182	55,390	51,756	53,590
Egypt	2,005	934	1,826	2,175	1,501	(a)
United States	20,498	20,599	20,846	31,455	37,797	35,701
Korea (South)	4,570	5,947	6,899	10,374	6,094	5,773

(a) Information not available.

(b) Years ended June 30 of that stated.

IMPORTS OF TALC

(Less Re-exports)

(Long tons)

Importing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Unground	1,200	956	599	1,189	1,618	760
Ground	26,308	28,767	33,266	37,661	36,574	37,251
Canada	7,810	10,580	11,064	10,163	14,517	13,225
Ceylon	(a)	296	444	523	961	1,091
Cyprus	15	(a)	(a)	(a)	(a)	(a)
Malaya (c)	504	(a)	1,901	3,066	2,952	3,552
Australia (b)	239	52	281	—	233	220
FOREIGN COUNTRIES						
Austria	49	379	461	412	644	674
Belgium-Luxemburg						
E.U.	8,025	7,598	7,556	10,770	10,119	11,426
Denmark	6,297	6,962	8,393	9,208	8,259	9,142
Finland	3,019	1,221	2,568	2,749	1,736	1,471
France	924	1,819	2,202	2,273	2,076	3,851
Germany (Federal)	21,099	23,673	29,776	36,720	37,973	39,234
Italy	125	291	693	1,238	2,438	2,256
Netherlands	9,581	10,586	10,906	12,200	12,325	10,671
Portugal	381	554	627	606	595	844
Sweden	2,572	1,511	1,821	2,087	1,546	2,201
U.S.S.R.	(a)	(a)	(a)	43,200	67,100	69,400
Yugoslavia	73	101	166	165	82	97
Algeria	1,689	1,718	1,716	3,172	1,776	1,744
Belgian Congo	179	148	268	190	293	289
Egypt	329	294	202	427	(a)	(a)
Morocco (Southern)	374	993	930	2,046	846	551
Tunis	(a)	310	480	452	243	439
Guatemala (c)	6	11	21	16	14	46
Mexico (c)	1,719	942	1,165	2,497	5,698	15,758
Panama Republic (c)	21	95	(a)	(a)	(a)	(a)
United States	18,127	20,360	19,784	25,964	20,849	18,210
Argentina	36	—	—	—	—	—
Brazil (c)	—	—	14	18	—	10
Chile	34	28	47	105	(a)	(a)
Colombia	293	480	610	1,101	1,393	1,503
Ecuador	110	112	173	188	79	(a)
Peru	386	406	304	484	300	470
Venezuela (c)	494	499	887	(a)	882	1,053
Japan	6,641	13,082	10,777	20,204	19,414	22,845
Lebanon	116	144	112	47	145	202
Philippine Republic	775	714	1,365	982	890	1,484
Syria	(a)	133	209	(a)	(a)	(a)
Turkey	99	160	224	118	100	122

(a) Information not available.

(c) Total imports.

(b) Years ended June 30 of that stated.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Nigeria—						
Tantalite	1	—	10	15	14	18
Columbite	1,293	1,959	2,914	3,146	2,604	1,923
Sierra Leone—						
Columbite	—	—	4	4	—	—
Southern Rhodesia—						
Tantalum concentrates	4	13	6	2	13	34
Columbite	1	3	8	5	2	—
South West Africa—						
Columbite	—	—	1	5	—	—
Tantalite and columbite	2	8	12	6	6	11
Swaziland—						
Yttrotantalite	—	—	—	—	—	15
Uganda—						
Tantalite and columbite	5	13	10	15	2	2
Tin-columbite	(3,248lbs.)	2	3	(515lbs.)	—	—
Union of South Africa—						
Tantalite	4	17	21	11	1	1
British Guiana—						
Columbite	—	5	2	2	—	—
India—						
Columbite	(1,525 lbs.)	(483 lbs.)	(b)	(a)	(a)	(a)
Malaya—						
Columbite	47	52	111	236	276	142
Australia—						
Tantalite and columbite	7	8	53	12	71	22
FOREIGN COUNTRIES						
Norway—						
Niobium concentrates	—	(c) 555	(c) 175	(c) 302	(c) 256	218
Portugal—						
Tantalite and columbite	—	137	82	50	27	31
Belgian Congo—						
Tantalite and columbite concentrates	103	279	432	432	330	234
Tin-tantalite-columbite	1,256	1,596	2,664	(d) 2,824	(d) 2,717	(d) 1,947
French Equatorial Africa—						
Tantalite and columbite	2	2	3	1	—	—
Madagascar—						
Columbite	3	4	16	17	9	8
Mozambique—						
Tantalite	—	—	—	2	3	(a)
Columbite	15	26	42	35	26	(a)
United States—						
Tantalum concentrates	—	} 7	15	6	(f) 97	(f) 164
Niobium concentrates ..	2					
Argentina—						
Tantalite and columbite	(a)	(a)	(a)	5	5	(a)
Bolivia (exports)—						
Columbite	—	3	(a)	1	—	—
Brazil—						
Tantalite	(e) 24	(e) 18	(e) 48	(e) 57	(e) 93	130
Columbite	(e) 2	29	193	76	176	130
French Guiana—						
Tantalite and columbite	(a)	6	14	10	7	1

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; 51% Nb₂O₅ in 1956.

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

(e) Exports.

(f) Principally cuxenite.

EXPORTS OF TANTALUM AND NIOBIUM MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom— Ferro niobium and ferro-niobium- tantalum	—	—	—	66	163	82
Nigeria— Tantalite	1	—	5	9	15	13
Columbite	1,228	1,855	2,524	3,047	2,406	1,145
Sierra Leone— Columbite	—	—	5	4	—	—
South West Africa— Tantalite	4	6	16	2	3	7
Southern Rhodesia— Columbite	—	4	6	8	2	—
Tantalum concentrates	5	17	5	4	19	31
Uganda— Tantalite and columbite	4	11	14	14	4	2
Union of South Africa— Tantalite	—	11	7	8	—	1
British Guiana— Columbite	—	5	—	3	—	—
Malaya (b)— Columbite	55	20	113	187	184	102
Australia (c)— Tantalite and columbite	5	15	69	47	41	30
FOREIGN COUNTRIES						
Portugal— Tantalite and columbite	(a)	108	83	79	31	49
Belgian Congo— Tantalite and columbite	212	360	565	651	606	336
Tantaliferous slag ..	824	626	2,811	1,427	733	731
French Equatorial Africa— Tantalite and columbite	1	(a)	1	3	—	—
Madagascar— Columbite	2	5	6	22	12	6
Mozambique— Columbite	(a)	23	42	32	18	70
United States— Tantalum concentrates	(1,058lbs.)	9	—	—	1	—
Niobium concentrates..	—	—	(192lbs.)	3	5	26
Bolivia— Columbite	—	3	(a)	1	—	—
Brazil— Tantalite	24	18	48	57	93	91
Columbite	2	30	119	106	79	30

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); 1957—(a).

(c) Years ended June 30 of that stated.

IMPORTS OF TANTALUM AND NIOBIUM MINERALS, ETC.

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Tantalite and columbite	577	344	272	268	744	438
Tantalum powder, sheet, etc.	(184lbs.)	(373lbs.)	(494lbs.)	(1,632lbs.)	(4,353lbs.)	(5,365lbs.)
FOREIGN COUNTRIES						
France—						
Tantalite and columbite	(a)	(a)	(a)	(a)	64	24
Germany (Federal)—						
Tantalite	33	6	98	2	1	33
Columbite	2	2	91	142	261	159
United States—						
Tantalite	147	339	437	852	586	370
Columbite	838	1,869	3,038	4,291	2,544	1,495

(a) Information not available.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain	918	938	920	1,037	1,066	1,080
Nigeria	8,303	8,228	7,926	8,159	9,067	9,534
Northern Rhodesia	11	7	1	—	—	—
Southern Rhodesia	36	29	14	209	354	283
South West Africa	(b) 96	(b) 165	(b) 367	407	475	636
Swaziland	36	36	35	27	29	24
Tanganyika	44	48	37	40	15	14
Uganda	107	90	83	59	26	41
Union of South Africa	935	1,361	1,315	1,283	1,442	1,463
Canada	95	287	149	220	337	362
Malaya	56,838	56,254	60,690	61,244	62,296	59,293
Australia	1,643	1,553	2,075	2,017	2,078	1,952
TOTAL	69,062	68,996	73,612	74,702	77,185	74,682
FOREIGN COUNTRIES						
France	285	493	525	450	400	472
Germany (Eastern)	395	563	669	669	660	670
Portugal	1,462	1,367	1,283	1,445	1,276	1,127
Spain	903	1,241	1,020	822	540	399
Belgian Congo	13,806	15,293	15,084	15,303	14,764	14,859
Cameroon (French)	86	86	82	85	85	74
Egypt	6	—	5	—	—	—
French West Africa	107	92	71	47	56	51
Morocco (Southern)	15	9	5	14	5	8
Mozambique	4	—	—	—	—	—
Mexico	413	476	349	605	501	473
United States	100	56	205	99	—	—
Argentina	261	153	94	85	69	52
Bolivia (c)	31,959	34,825	27,283	27,921	26,421	27,796
Brazil	229	209	167	146	180	180
Peru	31	—	—	—	3	4
Burma	1,103	1,361	800	1,114	(b) 930	(b) 860
China (smelter) (b)	5,400	6,300	7,500	8,400	8,400	9,600
Indonesia	35,002	33,750	35,861	33,366	29,579	27,721
Japan	639	737	716	896	926	941
Laos	157	280	110	253	240	551
Thailand	9,479	10,126	9,776	11,022	12,481	13,528
Total	101,900	107,000	(d) 101,600	102,700	97,500	99,400
WORLD'S TOTAL (excl. U.S.S.R.)	171,000	176,000	(d) 175,200	177,400	174,600	174,000

(a) Information not available.

(b) Estimated.

(c) Content of ore plus metal exported.

(d) Revised.

SMELTER PRODUCTION OF TIN
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom ..	29,521	28,860	27,475	27,241	26,434	34,174
Southern Rhodesia ..	37	27	19	22	17	253
Union of South Africa ..	694	828	752	779	756	825
Canada	95	—	—	—	—	—
Malaya	62,830	62,410	71,163	70,632	73,263	71,289
Australia	1,699	1,443	2,063	2,004	1,850	1,806
TOTAL	94,876	93,568	101,472	100,678	102,320	108,347
FOREIGN COUNTRIES						
Belgium	10,585	9,039	11,377	10,432	10,288	9,011
Germany—						
Federal Republic ..	758	694	—	280	660	1,010
Eastern	563	(b) 480	600	605	600	600
Netherlands	27,913	26,950	28,442	26,566	28,197	29,259
Portugal	340	472	664	1,018	1,127	1,072
Spain	753	823	676	608	576	779
Belgian Congo	2,765	2,715	2,459	3,034	2,772	3,105
Morocco	15	—	8	8	(c) 12	(c) 12
Mexico (b)	300	240	300	240	240	207
United States	22,805	37,562	27,407	22,329	17,631	1,564
Argentina	185	130	60	99	61	39
Bolivia (exports) ..	257	174	196	107	404	204
Brazil	116	553	1,850	1,184	1,523	(c) 1,400
China (b)	5,400	6,300	7,500	8,400	8,400	9,600
Indonesia	224	644	1,351	1,770	1,500	600
Japan	637	807	828	981	1,104	1,261
Thailand	17	—	—	—	—	—
TOTAL	73,600	87,600	83,700	77,700	75,100	59,700
WORLD'S TOTAL .. (excl. U.S.S.R.)	168,500	181,200	185,200	178,400	177,400	168,000

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

	Long tons		Long tons
1952	28,804	1955	28,342
1953	27,602	1956	29,440
1954	26,190	1957	24,262

(a) Information not available.

(b) Estimated.

(c) Estimated by International Tin Council.

EXPORTS OF TIN
(Domestic Produce)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Blocks, ingots, bars and slabs	12,565	13,759	8,118	8,456	7,267	7,332
Soft solder	1,828	1,768	1,971	2,402	2,016	2,053
Tin-foil	48	52	71	88	(a)	(a)
Nigeria—						
Ore	10,575	12,136	10,309	11,399	13,364	13,577
Southern Rhodesia—						
Ore and concentrates ..	—	22	(e) 2	(e) 33	(e) 177	(e) 112
Blocks, ingots and bars ..	2	4	(e) —	(e) 10	(e) 120	(e) 155
South West Africa—						
Ore	127	(b) 183	406	332	524	664
Tanganyika—						
Ore and concentrates ..	58	68	44	53	26	18
Uganda—						
Ore	159	125	126	94	45	51
Union of South Africa—						
Concentrates	73	904	1,259	1,410	1,990	1,225
Middlings	(a)	—	551	964	—	—
Canada—						
Concentrates (<i>Sn content</i>)	—	288	146	177	(a)	(a)
Hong Kong						
(re-exports)—						
Slabs and ingots	28	56	15	16	15	47
India—						
Blocks, ingots, bars, slabs and scrap ..	2,244	744	607	5	479	40
Malaya—						
Ore	—	61	160	48	—	—
Ingots, blocks, bars, slabs	64,119	61,752	70,280	71,161	73,279	70,604
Australia (c)—						
Ore and concentrates ..	42	17	26	36	123	60
(<i>Sn content</i>)	155	586	49	296	50	50
Ingots, etc.						
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Crude	9,948	9,029	11,352	10,867	9,811	9,459
Scrap	52	49	20	37	146	92
Bars, sheets and wire ..	2	—	1	—	—	—
Denmark—						
Crude	113	64	11	21	28	17
do. (alloys)	1,052	2,995	4,592	5,849	6,012	6,600
Scrap	—	1	—	45	70	2
France—						
Ore	217	147	465	749	638	707
Crude	143	196	117	67	14	22
do. (alloys)	277	338	356	339	291	150
Scrap	4	—	9	—	—	—
Bars, sheets and wire (d)	66	31	45	36	128	236
Germany (Federal)—						
Crude, scrap and alloys	1,111	1,789	2,292	2,040	2,015	1,643
Sheets and wire	2	3	2	2	1	4
Tin-foil	3	5	11	4	7	15

(a) Information not available.
(b) Includes tin-tungsten ore.

(c) Years ended June 30 of that stated.
(d) Including alloys.
(e) Federation of Rhodesia and Nyasaland.

EXPORTS OF TIN (*cont.*)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Italy—						
Ingots (c)	4	25	18	19	8	49
Netherlands—						
Crude	25,432	29,277	28,441	26,002	25,650	29,425
Sheets, wire, etc. ..	—	1	5	6	9	5
Norway—						
Bars, sheets and wire ..	189	202	196	169	244	281
Portugal—						
Ore	1,617	1,096	735	317	116	156
Bars	124	10	161	19	64	20
Spain—						
Ingots and bars ..	395	394	—	394	197	—
Sweden—						
Crude and scrap ..	15	33	87	36	76	16
Switzerland—						
Pigs, bars, slabs, sheets, etc.	26	14	14	23	22	7
Tin-foil	1	2	3	2	2	3
Scrap	171	106	167	151	227	207
U.S.S.R.—						
Crude (d)	(a)	(a)	(a)	2,100	3,200	18,000
Algeria—						
Ingots, scrap and alloys	7	33	20	24	20	14
Belgian Congo—						
Ore	15,777	20,099	14,995	17,026	11,920	16,148
Ingots	2,815	2,858	2,340	2,582	2,675	2,791
Cameroon (French)—						
Ore	128	59	118	177	221	59
French West Africa—						
Ore	150	151	90	70	77	71
Mexico—						
Ores and concentrates	621	163	20	25	4	—
United States						
Ingots, pigs, etc. ..	301	128	271	254	667	1,112
Scrap (c)	6,304	5,074	8,119	6,048	4,092	9,393
Tubes, sheets, etc. ..	15	42	30	62	217	85
Bolivia—						
Ores, concentrates, etc. (<i>Sn content</i>)	31,702	34,651	27,283	27,814	26,421	27,555
Metal	257	174	196	107	404	204
Peru—						
Bars, impure (<i>Sn content</i>) ..	34	23	2	—	—	—
Burma—						
Ore and concentrates (<i>Sn content</i>)	1,393	983	614	932	837	855
China—						
Ingots and slabs (b) ..	3,900	4,380	5,100	4,800	4,800	4,800
Indonesia—						
Ore	49,731	46,218	46,996	44,198	43,239	37,572
<i>Sn content</i>	34,055	32,215	33,941	31,768	31,159	26,880
Metal	15	223	994	196	717	84
Laos—						
Ore (<i>Sn content</i>) ..	153	217	7	35	180	349
Thailand—						
Ore (<i>Sn content</i>) ..	9,488	10,191	9,518	11,039	12,424	13,041

(a) Information not available.

(b) Estimated.

(c) Including alloys.

(d) May include some foreign produce.

IMPORTS OF TIN

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	55,084	62,363	58,209	61,159	56,911	81,896
Blocks, ingots, bars, slabs and soft solder	(e) 6,275	354	1,949	755	1,116	9,567
Ghana—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	47	32	10	14
Kenya—						
Unwrought, scrap and solder	58	91	91	170	120	83
Bars, plates and sheets ..	—	10	—	—	—	—
Mauritius—						
Ingots, sheets, etc. ..	—	26	(a)	(a)	(a)	(a)
Nigeria—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	90	448	436	53
Southern Rhodesia—						
Blocks, ingots and bars	61	59	(c) 33	(c) 11	(c) 13	(c) 22
Tanganyika—						
Unwrought, scrap and solder	90	27	64	85	93	65
Bars, plates and sheets ..	—	5	—	—	—	—
Uganda—						
Solder	16	20	(d) 15	(d) 28	(d) 20	(d) 22
Union of South Africa—						
Blocks, ingots, bars and rods	551	183	315	480	917	1,136
Tin-foil	5	10	5	4	1	1
Canada—						
Blocks, pigs and bars ..	3,949	3,702	3,836	4,318	3,774	4,155
Tin-foil	1	7	13	16	7	7
Aden—						
Blocks, ingots, etc. ..	37	(e) 5	—	564	58	463
Ceylon—						
Ingots, slabs, etc. ..	9	5	34	9	4	11
Tin solder	23	40	37	44	153	38
Cyprus—						
Ingots and bars	7	10	8	10	10	14
Hong Kong (b)—						
Slabs and ingots	114	176	124	134	142	168
India—						
Blocks, ingots, bars and slabs	2,177	2,938	3,775	3,640	4,181	4,717
Malaya (b)—						
Ore	7,948	8,648	13,312	15,011	14,968	19,394
Bars, sheets, wire, etc. ..	—	38	356	24	10	9
Pakistan—						
Blocks, ingots, bars and slabs	(f) 61	(f) 181	(f) 64	(f) 113	428	802
Australia (g)—						
Ingots	1,953	156	844	579	517	830
Leaf and foil	35	4	19	17	16	10
New Zealand—						
Ingots, etc.	243	337	448	420	401	363

(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.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
Irish Republic—						
Ingots, bars, slabs, etc. (b)	34	56	77	81	60	62
Soft solder	36	68	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Crude and alloys	306	340	532	523	526	543
Belgium-Luxemburg						
E.U.—						
Ore	12,989	14,319	14,772	13,700	13,869	14,087
Crude	1,262	1,410	1,920	2,147	2,538	2,493
Scrap	—	—	—	18	2	19
Bars, sheets and wire	—	1	—	1	—	—
Denmark—						
Crude	1,183	2,750	3,968	5,031	4,831	5,042
do. (alloys)	373	1,198	267	830	403	308
Scrap	258	496	1,161	1,571	1,891	1,582
Sheets, wire, etc.	33	51	53	49	53	60
Tin-foil	6	7	37	39	38	49
Finland—						
Ingots and bars	236	275	511	498	493	438
France—						
Crude	6,521	6,976	8,654	9,455	10,364	11,217
do. (alloys)	245	38	65	30	120	59
Scrap	68	38	74	52	98	97
Sheets, bars, wire	1	1	2	22	2	3
Germany (Federal)—						
Ore	2,208	794	—	2,022	3,454	9,219
Crude and scrap	6,410	5,893	7,567	8,596	8,786	10,231
Greece	209	161	217	222	187	227
Hungary—						
Crude	303	527	859	850	878	1,132
Italy—						
Ingots	3,147	1,999	2,561	2,988	3,596	3,441
do. (alloys)	51	59	94	143	102	120
Scrap	6	6	3	5	—	5
Netherlands—						
Ore	36,717	35,937	38,658	33,197	40,236	40,773
Crude	6,041	5,100	3,439	817	1,654	4,588
Norway—						
Crude	395	282	309	349	383	351
Bars, sheets, filings, etc.	50	47	98	91	144	107
Portugal—						
Sheets, wire, etc.	2	1	1	1	1	1
Spain—						
Ingots and bars	139	56	99	61	45	237
Sweden—						
Crude	857	491	900	929	947	799
Switzerland—						
Pigs, bars and slabs	513	525	712	698	884	1,011
Sheets, wire, foil, etc.	6	6	5	5	5	5
U.S.S.R. (c)—						
Crude	(a)	(a)	(a)	16,600	15,500	21,700
Yugoslavia—						
Ingots	316	504	385	550	942	1,585
Algeria—						
Crude, sheets, etc. (b)	180	209	205	176	155	219
Egypt—						
Crude and scrap	548	227	229	258	(a)	(a)
Madagascar—						
Crude	34	47	23	16	21	4

(a) Information not available.

(b) Including alloys.

(c) Total imports.

IMPORTS OF TIN (cont.)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Morocco (Southern)—						
Ingots, etc.	184	198	305	198	211	216
Mozambique—						
Bars, sheets, etc.	3	10	4	3	21	22
Sudan—						
Unwrought incl. scrap	7	15	18	14	16	5
Tunis—						
Pigs, bars and sheets	(a)	46	41	41	63	45
Cuba (c)—						
Ingots	53	27	44	44	51	(a)
Bars, sheets, etc.	38	25	26	35	30	(a)
Mexico (c)—						
Ingots	289	115	410	465	462	518
United States—						
Ore (<i>Sn content</i>)	26,491	35,973	22,140	20,122	16,688	94
Blocks, pigs, bars, etc.	80,543	74,570	60,599	64,815	62,590	56,183
Scrap	376	162	27	20	—	249
Argentina—						
Ingots and bars	69	314	2,532	2,263	74	2,662
Brazil (c)—						
Ore	(a)	60	84	2,046	1,674	2,354
Ingots and bars	1,221	448	337	68	419	766
Colombia—						
Ingots, etc.	36	36	34	46	71	72
Chile—						
Ore	74	64	103	116	(a)	(a)
Ingots	234	412	406	400	400	500
Bars and sheets	3	1	—	—	(a)	(a)
Peru—						
Ingots, bars and scrap	48	39	51	70	94	61
Uruguay—						
Ingots, etc.	49	71	(a)	(a)	(a)	(a)
Venezuela (c)—						
Crude	56	105	172	95	135	173
Formosa—						
Ingots and slabs	25	130	262	103	181	130
Iran (b)—						
Ingots, etc.	108	205	118	(a)	(a)	(a)
Iraq—						
Ingots	22	25	83	58	11	(a)
Israel—						
Ingots, blocks and slabs	17	54	155	111	91	101
Japan—						
Ingots and slabs	1,744	4,973	5,046	5,683	7,298	7,102
Lebanon—						
Crude	6	16	7	15	7	11
Philippine Republic—						
Ingots	38	93	111	140	128	101
Syria—						
Crude and scrap	(a)	90	24	161	86	54
Turkey—						
Ingots, bars and sheets	624	1,133	514	665	645	471

(a) Information not available.

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

(c) Total imports.

TITANIUM MINERALS
PRODUCTION OF TITANIUM MINERALS
(Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Gambia (h)—						
Ilmenite	—	—	1,086	—	—	13,917
Union of South Africa—						
Ilmenite	—	—	—	1,712	1,656	2,786
Rutile	—	9	—	—	—	—
Canada (shipments) (b)—						
Ilmenite	237,912	119,506	277,246	397,888	562,424	730,885
India—						
Ilmenite	224,895	215,259	240,513	250,774	335,590	296,000
Rutile	147	104	104	149	541	473
Malaya (h)—						
Ilmenite ("Amang") ..	21,698	26,570	44,745	53,875	122,176	91,734
Australia—						
Ilmenite concentrates (c)	7,712	7,815	8,930	(a)	(a)	(a)
Rutile concentrates ..	38,014	38,039	44,659	59,613	96,816	128,906
FOREIGN COUNTRIES						
Finland—						
Ilmenite concentrates ..	—	3,099	49,790	83,632	101,290	104,079
Norway—						
Ilmenite	116,402	126,090	146,829	155,340	187,494	206,869
Rutile (d)	42	3	—	9	24	25
Portugal—						
Ilmenite	425	666	503	774	606	346
Tin-titanium ore	67	25	8	48	21	—
Spain—						
Ilmenite	1,259	1,412	1,247	6,596	5,324	7,960
Cameroon (French)—						
Rutile	289	52	—	99	150	39
Egypt—						
Ilmenite	1,966	1,715	221	2,406	492	(a)
French West Africa—						
Ilmenite	4,549	5,677	11,200	22,883	19,800	36,268
Rutile	25	—	—	—	580	205
Madagascar—						
Rutile	—	—	—	—	2	—
Mozambique—						
Rutile	—	2	—	—	(a)	(a)
United States (e)—						
Ilmenite	471,954	458,657	489,028	520,575	611,568	676,054
Rutile	(f) 6,000	6,094	6,617	7,601	10,712	9,555
Brazil—						
Rutile	(h) 16	(h) —	130	156	302	241
Japan (g)—						
Ilmenite	3,564	3,050	4,415	9,246	16,902	(a)
Thailand—						
Ilmenite	—	—	—	—	344	(i) 344
WORLD'S TOTAL—						
Ilmenite	1,092,400	969,500	1,275,800	1,508,000	1,974,000	2,250,000
Rutile	44,500	44,300	51,400	67,500	109,100	139,400

(a) Information not available.

(b) Production of titanium dioxide slag (approx. 70% TiO₂) at Sorel was as follows (long tons): 1952—37,626; 1953—125,886; 1954—109,786; 1955—145,343; 1956—195,156; 1957—231,179.

(c) Owing to high chromium and low titanium oxide content sales were as follows (long tons): 1952—46; 1953—nil; 1954—469; 1955—535; 1956—4,274; 1957—71,155.

(d) Ore and concentrates.

(e) Production of metal (commercial titanium sponge) was as follows (long tons): 1952—960; 1953—2,001; 1954—4,795; 1955—6,605; 1956—13,031; 1957—15,401.

(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; 1957—3,029.

(h) Exports.

(i) United States Bureau of Mines' estimate.

EXPORTS OF TITANIUM MINERALS, ETC.

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ferro-titanium ..	519	366	304	308	662	393
Gambia—						
Ilmenite	—	—	1,086	—	—	13,917
Union of South Africa—						
Ilmenite	—	—	—	1,687	879	2,645
Canada—						
Ilmenite	46	4,224	1,073	1,307	2,050	9,616
Titanium dioxide slag (70% TiO ₂)	34,850	129,823	106,511	154,381	180,246	199,179
Hong Kong (re-exports)—						
Titanium oxide ..	150	234	456	61	108	88
India—						
Ilmenite	173,107	160,993	185,153	246,196	283,201	347,212
Rutile sand	147	104	104	(a)	(a)	300
Malaya—						
Ilmenite (“Amang”) ..	21,698	26,570	44,745	53,874	122,176	91,733
Australia—						
Rutile	37,654	36,076	44,417	59,687	89,887	119,052
Ilmenite	76	93	171	434	1,130	37,811
FOREIGN COUNTRIES						
Belgium-Luxemburg						
E.U.—						
Titanium white ..	20	108	196	125	675	458
Finland—						
Ilmenite	—	—	25,481	57,802	106,468	101,471
France—						
Titanium oxide, etc. ..	436	964	345	447	210	171
Italy—						
Titanium oxide	1,378	2,584	1,633	1,882	4,432	5,396
Norway—						
Ilmenite (b)	113,913	120,331	146,753	163,943	182,607	202,184
Rutile	21	7	19	9	19	9
Portugal—						
Ilmenite	100	—	541	1,838	615	364
Sweden—						
Titanium minerals ..	900	405	196	282	612	185
Titanium white	—	3	5	140	759	283
Yugoslavia—						
Titanium oxide	(a)	(a)	(a)	98	134	24
Cameroon (French)—						
Rutile	190	84	204	45	209	15
French West Africa—						
Ilmenite	3,344	3,804	11,556	19,290	19,573	36,040
Rutile	5	—	—	—	561	76
United States						
Ores and concentrates ..	777	1,221	592	1,021	1,641	1,803
Ferro-titanium	290	165	153	219	325	327
Titanium oxide and pigments	31,818	35,518	56,966	48,530	57,827	47,285
Brazil—						
Titanium minerals ..	16	—	—	—	5	—
Japan—						
Titanium sponge metal	7	44	422	1,097	2,485	2,441
Titanium oxide	451	350	3,367	7,747	9,433	14,320

(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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ilmenite	102,590	93,837	145,736	192,146	204,237	255,412
Rutile	8,152	7,463	7,596	12,539	10,502	11,840
Titanium sponge	(a)	(a)	(a)	132	—	—
Other titanium metal	(a)	(a)	(a)	34	9	9
Titanium oxide	163	922	5,863	4,374	3,455	6,569
Canada—						
Titanium oxide, etc.	21,612	28,482	28,666	31,963	33,815	30,567
Hong Kong (d)—						
Titanium oxide	329	329	1,231	1,009	2,019	1,156
Australia (c)—						
Ilmenite	(b) 5,000	(b) 7,500	7,054	16,146	10,346	3,694
Titanium white and oxide	2,466	1,591	6,844	6,811	6,628	7,383
New Zealand—						
Titanium white	1,302	1,390	2,414	2,639	2,412	2,487
FOREIGN COUNTRIES						
Austria—						
Titanium white	399	799	1,199	1,372	1,527	1,909
Belgium-Luxemburg E.U.—						
Titanium white	1,898	2,843	3,919	4,393	6,184	5,596
Denmark—						
Titanium white	(a)	(a)	2,014	2,514	605	387
Finland—						
Titanium white	3,135	1,654	3,436	4,108	4,092	2,433
France—						
Titanium minerals	(a)	(a)	(a)	(a)	23,524	42,241
Titanium oxide, etc.	2,002	1,976	3,089	3,468	6,046	7,018
Germany (Federal)—						
Ilmenite	71,157	67,252	89,698	114,584	143,134	158,167
Rutile			2,938	5,833	9,595	10,173	19,635
Iceland—						
Titanium white	143	235	250	121	212	161
Italy—						
Titanium minerals	20,661	19,176	19,670	22,920	32,807	(a)
Ferro-titanium	155	79	36	101	209	146
Titanium oxide	735	1,093	1,151	1,215	2,421	2,549
Netherlands—						
Titanium white	3,527	4,572	6,629	8,540	9,384	12,573
Portugal—						
Ilmenite	20	11	1	30	—	—
Rutile	35	22	97	107	74	239
Titanium oxide	132	154	226	337	405	595
Sweden—						
Titanium minerals	2,664	2,906	1,745	3,370	5,121	4,487
Titanium white	2,977	3,723	5,549	5,867	6,822	6,916
Yugoslavia—						
Rutile	(a)	(a)	30	110	101	293
Titanium oxide	(a)	(a)	188	209	373	(a)
Belgian Congo—						
Titanium oxide	(a)	37	48	20	428	337
Mexico (d)—						
Titanium oxide	1,592	1,608	2,216	2,323	4,317	3,296

(a) Information not available.

(b) Calendar year. Estimated.

(c) Years ended June 30 of that stated.

(d) Total imports.

IMPORTS OF TITANIUM MINERALS, ETC. (cont.)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
United States—						
Ilmenite (b)	164,297	255,932	245,540	315,492	320,786	411,029
Rutile	17,316	14,373	13,361	17,434	43,666	75,747
Titanium metal ..	—	32	172	506	1,828	3,154
Ferro-titanium ..	100	154	4	28	101	114
Titanium compounds ..	32	80	5	151	619	60
Argentina—						
Titanium oxide ..	589	23	1,151	1,656	3,329	2,543
Brazil (c)—						
Titanium oxide ..	2,385	700	2,842	1,732	2,527	2,434
Chile—						
Titanium white ..	419	293	510	555	(a)	(a)
Colombia—						
Titanium white ..	292	473	652	972	1,296	1,560
Peru—						
Titanium oxide ..	157	200	306	351	412	28
Venezuela (c)—						
Titanium oxide ..	358	547	1,286	(a)	1,383	1,541
Japan—						
Ilmenite	5,877	21,868	28,640	49,534	64,840	94,549
Titanium oxide ..	644	891	638	465	878	333

(a) Information not available.

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

(c) Total imports.

TUNGSTEN
PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957	Estimated WO ₃ Content					
							1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES												
Great Britain—												
Concentrates	39	53	80	62	52	49	27	38	54	43	36	30
Nigeria—												
Concentrates	21	17	1	1	5	—	14	11	1	1	3	—
South West Africa—												
Wolfram	99	135	89	109	132	35	63	78	53	71	86	25
Scheelite	8	1	4	1	2	4	6	1	3	1	1	3
Tin-wolfram concentrates	(c)	(c)	358	401	579	722	10	9	101	80	121	137
Southern Rhodesia—												
Concentrates	384	346	231	202	236	148	276	249	166	145	170	107
Tanganyika—												
Wolfram	37	34	9	22	18	—	22	19	5	14	11	—
Uganda—												
Wolfram	107	159	149	144	170	219	75	108	100	101	109	142
Union of South Africa—												
Concentrates	242	376	542	577	271	234	155	228	362	381	157	155
Tin-scheelite concentrates	—	—	—	—	—	(a)	—	—	—	—	—	10
Canada (b)—												
Concentrates	1,639	2,816	1,445	1,453	1,519	1,337	640	1,092	969	867	1,014	890
Hong Kong—												
Wolfram	97	140	27	23	24	36	63	91	17	15	16	23
India—												
Concentrates	10	15	1	—	2	1	6	9	1	—	1	1
Malaya—												
Wolfram	44	99	54	56	47	30	32	70	37	39	32	20
Scheelite	24	30	45	50	44	19	15	20	33	38	33	14
Australia—												
Wolfram	1,035	1,008	722	788	877	657	672	672	511	522	592	459
Scheelite	989	1,185	1,331	1,419	1,495	1,448	602	729	861	960	990	950
New Zealand—												
Scheelite	57	39	28	30	28	31	37	25	18	20	18	20
TOTAL							2,715	3,449	3,292	3,298	3,390	2,986

(a) Information not available.

(b) Shipments (chiefly scheelite).

(c) Estimated.

PRODUCTION OF TUNGSTEN ORES AND CONCENTRATES (cont.)
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957	Estimated WO ₃ Content					
							1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES												
Austria—												
Ore	—	—	—	—	—	6,105	—	—	—	—	—	(a)
Finland—						(a)	28	13	74	78	39	(a)
Concentrates	40	20	108	113	58	(a)	28	13	74	78	39	(a)
France—							580	773	604	814	718	541
Concentrates	859	1,085	902	1,142	1,091	825	580	773	604	814	718	541
Italy—							4	16	19	16	14	11
Concentrates	6	27	32	26	24	18	4	16	19	16	14	11
Norway—							7	5	—	—	—	—
Wolfram	11	8	—	—	—	—	7	5	—	—	—	—
Portugal (b)—							122	166	123	240	158	163
Scheelite	187	256	190	369	242	252	122	166	123	240	158	163
Wolfram	4,371	4,054	3,670	3,513	4,245	3,668	2,841	2,635	2,380	2,283	2,759	2,385
Tin-tungsten ores	614	770	866	884	135	—	154	193	217	220	33	—
Spain—							1,396	1,743	1,556	898	704	588
Concentrates	2,148	2,681	2,394	1,425	1,117	933	1,396	1,743	1,556	898	704	588
Tin-tungsten concentrates	396	522	870	541	331	(a)	(a)	242	407	352	215	119
Sweden—							251	260	270	274	270	298
Concentrates	511	530	487	462	454	476	251	260	270	274	270	298
Algeria	72	45	—	—	—	—	46	30	—	—	—	—
Belgian Congo—							403	529	659	705	816	758
Concentrates	620	817	1,016	1,084	1,261	1,165	403	529	659	705	816	758
Tin-tungsten ore	904	1,018	1,119	1,072	1,017	841	196	220	218	222	—	153
Egypt—							12	8	3	1	—	—
Concentrates	19	12	4	2	—	—	12	8	3	1	—	—
French West Africa—							—	—	—	—	—	—
Concentrates	—	3	2	1	—	—	—	—	—	—	—	—
Tin-tungsten concentrates	2	13	5	3	—	—	—	9	3	2	—	—
Morocco (Southern)—							8	7	(a)	—	(a)	157
Ore	22	(a)	16	—	4	(a)	8	7	(a)	—	(a)	157
Mexico	1,236	—	(a)	(a)	(a)	(a)	263	402	322	336	337	—
United States—							4,072	5,212	7,411	8,912	8,309	4,521
Concentrates	6,786	8,687	12,351	14,854	13,848	7,535	4,072	5,212	7,411	8,912	8,309	4,521
Argentina—							240	320	590	590	693	769
Concentrates	400	533	900	900	1,003	(a)	240	320	590	590	693	769

(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.)
(Long tons)

Producing Country	Estimated WO ₃ Content					
	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (cont.)						
Bolivia (exports)— Concentrates	3,650	3,676	(a)	(a)	(a)	(a)
Brazil— Scheelite	1,292	1,542	1,298	956	1,284	1,007
Peru— Concentrates	(a)	(a)	(a)	(a)	(a)	(a)
Burma— Tungsten concentrates ..	792	701	443	578	501	382
Tin-wolfram concentrates	1,954	1,828	1,070	1,835	1,956	1,986
China— Concentrates (b)	16,200	20,000	20,000	20,000	20,000	22,000
Japan— Concentrates	581	1,020	1,111	783	996	(a)
Korea— South— Concentrates	3,729	7,294	3,770	3,096	3,686	3,765
North— Concentrates (b)	1,200	1,200	1,200	1,200	1,200	1,600
Thailand— Concentrates	1,601	1,595	1,087	1,127	1,162	893
Turkey— Ore (c)	—	—	246	1,547	(a)	(a)
TOTAL*	29,500	36,600	35,800	37,200	36,900	35,000
WORLD'S TOTAL*	32,200	40,000	39,100	40,500	40,300	38,000

*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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Tungsten ore	—	71	14	8	38	5
Ferro-tungsten	96	133	398	587	1,161	561
Tungsten metal etc.	22	56	42	114	86	54
Nigeria—						
Tungsten ore	46	14	7	3	5	1
Southern Rhodesia—						
Tungsten ores	399	346	243	237	196	104
South West Africa—						
Tungsten ore	128	176	177	71	114	48
Tin-tungsten ore	—	(d)	—	400	586	671
Tanganyika—						
Wolfram ore	40	30	12	23	15	—
Uganda—						
Wolfram ore	126	151	152	150	163	190
Union of South Africa—						
Tungsten ore	218	192	543	460	612	162
Canada—						
Tungsten ore	(a)	(a)	(a)	1,651	1,480	1,383
Hong Kong (b)—						
Tungsten ore	216	149	26	18	11	5
Malaya (b)—						
Wolfram	126	129	52	62	59	39
Scheelite	27	32	53	51	35	4
Australia (c)—						
Wolfram ores and concentrates	671	1,182	1,044	795	1,226	801
(WO ₃ content)	(a)	(a)	663	533	787	547
Scheelite ores and concentrates	576	935	1,133	1,294	1,151	1,267
(WO ₃ content)	(a)	(a)	705	764	779	835
New Zealand—						
Scheelite	49	45	41	20	40	15
FOREIGN COUNTRIES						
France—						
Tungsten ore	(a)	(a)	(a)	(a)	504	463
Portugal—						
Tungsten ore	4,329	3,797	2,972	4,113	3,867	2,691
do. residues	104	12	815	292	437	52
Ferro-tungsten	252	232	161	329	365	216
Spain—						
Tungsten ore	2,913	2,746	2,513	1,906	1,502	530
Sweden—						
Ore	148	39	103	142	67	117
Ferro-tungsten	107	93	173	110	59	48
Algeria—						
Tungsten ore	71	59	—	—	1	—
Belgian Congo—						
Tungsten ores	841	1,007	1,174	1,491	1,493	1,042
Egypt—						
Tungsten ore	(a)	19	(a)	—	17	(a)
Morocco (Southern)—						
Tungsten ore	17	39	12	6	—	—

(a) Information not available.

(b) Including re-exports.

(c) Years ended June 30 of that stated.

(d) Included with tin ore. See page 334.

EXPORTS OF TUNGSTEN, ETC. (cont.)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Mexico—						
Tungsten ore and concentrates	1,289	1,893	950	844	819	253
(WO ₃ content)	238	403	322	336	336	157
United States—						
Ore and concentrates	10	11	35	30	104	146
Ferro-tungsten	132	16	5	1	1	2
Tungsten metal, alloys and scrap	31	91	168	232	294	113
Argentina—						
Tungsten ore	148	421	—	746	2,047	1,432
Bolivia—						
Tungsten ore	2,189	2,259	2,625	3,180	2,815	2,577
(WO ₃ content)						
Brazil—						
Tungsten ores	1,621	1,768	1,248	1,162	1,603	1,632
Peru—						
Tungsten ore and concentrates (WO ₃ content)	224	484	510	590	625	477
Burma—						
Ore and concentrates	1,989	1,855	2,054	990	1,220	1,059
Tin-tungsten ores	—	—	—	1,441	862	615
Japan—						
Tungsten ore	—	50	185	230	40	20
Tungsten metal	(a)	36	—	10	21	—
Ferro-tungsten	5	—	55	217	60	5
Korea—						
Tungsten ore (b)	3,616	5,443	4,022	1,959	2,913	1,433
Thailand—						
Tungsten ore	1,380	1,592	1,339	1,555	970	946

(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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Tungsten ores	8,298	4,373	3,363	4,836	4,758	4,069
Tungsten metal etc. ..	8	3	3	8	6	7
Canada—						
Tungsten ore	50	113	3	41	55	103
Ferro-tungsten	220	28	38	51	92	76
Malaya (b)—						
Wolfram	50	15	—	—	—	—
FOREIGN COUNTRIES						
Austria—						
Tungsten ore	28	78	504	952	1,232	1,171
Ferro-tungsten	210	—	203	270	95	78
Belgium-Luxemburg						
E.U.—						
Tungsten ore	2,195	172	113	33	—	—
Ferro-tungsten	345	47	40	52	69	31
France—						
Tungsten ore	(a)	(a)	(a)	(a)	1,505	1,497
Germany (Federal)—						
Tungsten ore	2,142	1,003	2,894	3,374	3,731	2,346
Italy—						
Tungsten ore	37	27	129	113	141	184
Ferro-tungsten	90	96	31	100	37	79
Netherlands—						
Tungsten ore	147	43	2	61	33	17
Sweden—						
Tungsten ore	684	177	413	616	666	840
Ferro-tungsten	—	1	—	49	158	141
United States—						
Tungsten ore	16,912	25,671	20,754	17,276	17,337	11,809
(WO ₃ content)	9,810	15,795	13,615	11,652	11,743	7,891
Tungsten metal						
(W content)	1	30	69	40	17	37
Ferro-tungsten	281	336	276	373	479	225
Japan—						
Tungsten ore	2,081	144	134	158	1,105	2,300
Tungsten metal	(a)	—	1	1	—	1
Ferro-tungsten	(a)	1	—	—	—	—

(a) Information not available.

(b) Total imports.

URANIUM MINERALS

PRODUCTION OF URANIUM MINERALS

(Metal content)

Statistics of the production of Uranium minerals, previously withheld for security reasons, were released for the first time by the major producing countries early in 1957. Certain countries, however, still do not publish any information on production.

	1954	1955	1956	1957
Northern Rhodesia .. Long tons	—	—	—	20
Union of South Africa .. Long tons	(a)	(a)	3,300	4,300
Canada Long tons	(a)	(a)	1,734	4,874
	£ 9,660,459	9,466,038	16,629,871	48,847,475
Australia Long tons	(a)	(a)	(a)	(b) 350
France Long tons	—	—	(a)	(b) 300
United States Long tons	(a)	(a)	4,500	6,500
WORLD'S TOTAL .. Long tons	(a)	(a)	(b) 16,000	(b) 23,000

(a) Information not available.

(b) Estimated.

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

EXPORTS OF URANIUM MINERALS, ETC.

(Domestic Produce)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom— Radium compounds Grains	14	37	266	359	(a)	(a)
Union of South Africa— Uranium .. £SA	—	3,873,029	14,835,344	29,959,589	38,695,080	49,988,632
FOREIGN COUNTRIES						
United States— Radium metals (Ra content) Mgrams.	1,143	1,056	419	366	—	750
Mozambique— Uranium minerals Cwt.	498	612	—	162	321	—

(a) Information not available.

IMPORTS OF URANIUM MINERALS, ETC.

(Less Re-exports)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom— Radium compounds Grains	358	39	383	98	—	60
Canada— Radium .. £	22,673	154,603	103,345	309,184	109,672	497,765
FOREIGN COUNTRIES						
Portugal— Radium salts Mgrams.	(a)	494	(a)	(a)	(a)	(a)
United States— Radium salts Mgrams.	173,711	85,055	57,879	65,545	43,221	126,206
Brazil (total imports)— Radium and radium products Mgrams.	1,363	10,311	852	1,157	1,291	497

(a) Information not available.

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

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Northern Rhodesia ..	43	—	—	—	—	—
South West Africa ..	475	490	511	570	275	200
Union of South Africa ..	—	—	—	—	—	7
FOREIGN COUNTRIES						
Finland	(a)	(a)	(a)	(a)	38	264
Angola	—	—	—	27	10	1
United States (shipments)	3,214	4,145	4,402	4,449	5,032	3,296
Peru	430	326	187	70	—	—
WORLD'S TOTAL (b)	3,162	4,961	5,100	5,116	5,355	3,768

(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	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ferro-vanadium ..	73	125	6	23	9	9
Northern Rhodesia—						
Oxide, fused	122	7	—	—	—	—
South West Africa—						
Concentrates (<i>V content</i>)	1,194	583	485	511	333	253
FOREIGN COUNTRIES						
Italy—						
Oxide	187	119	—	2	10	—
Sweden—						
Ferro-vanadium ..	28	11	34	47	54	43
Belgian Congo—						
Ore	(a)	(a)	(a)	(a)	700	(a)
Mexico—						
Concentrates	234	—	—	193	8	47
Flue dust (<i>V content</i>) ..	167	—	—	—	(a)	(a)
United States—						
Ore, concentrates, etc. (<i>V content</i>)	54	6	19	772	799	446
Flue dust and other waste (<i>V content</i>) ..	—	24	11	39	13	52
Metal, alloys and scrap	46	(a)	(a)	(a)	(a)	(a)
Ferro-vanadium ..	131	70	63	196	184	120
Peru—						
Ore and concentrates (<i>V content</i>)	434	285	193	82	—	—

(a) Information not available.

IMPORTS OF VANADIUM

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ore	591	453	355	—	15	—
Oxide	155	7	—	3	15	21
Other compounds ..	3	—	1	16	10	6
FOREIGN COUNTRIES						
France—						
Oxide	288	122	53	365	413	396
Germany (Federal)—						
Ore	1,194	—	1,163	—	—	—
Italy—						
Ore	55	5	35	114	382	(a)
Oxide	40	1	2	25	4	6
Ferro-vanadium ..	54	22	17	36	38	65
Sweden—						
Ore	7	—	3	—	—	1
Ferro-vanadium ..	1	7	29	39	31	24
United States—						
Ore	1,937	1,321	529	260	—	—
(V content)	466	320	176	82	—	—
Japan—						
Ore	(a)	(a)	61	38	330	405
Ferro-vanadium ..	(a)	31	44	—	—	37

(a) Information not available.

ZINC

PRODUCTION OF ZINC ORE

(Metal content)

(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Great Britain	1,525	1,865	1,432	1,048	674	835
Kenya (exports)	120	—	—	—	—	—
Northern Rhodesia ..	(b) 36,728	(b) 38,708	(b) 34,529	(b) 33,991	(c) 28,925	(c) 29,500
South West Africa ..	15,400	15,522	19,671	20,741	36,043	49,171
Union of South Africa ..	—	—	—	—	457	1,058
Canada (b)	331,966	358,716	336,153	386,926	377,350	368,135
India	2,070	2,370	2,188	2,627	3,715	4,033
Australia	197,280	237,037	252,659	256,564	278,082	291,582
TOTAL	585,100	654,200	646,600	701,900	725,200	744,300
Irish Republic	1,689	1,624	1,534	2,472	1,605	1,600
FOREIGN COUNTRIES						
Austria	6,055	5,814	6,285	6,994	6,043	7,521
Bulgaria	(a)	(a)	(a)	(a)	35,100	44,400
Finland (b)	1,357	3,177	4,434	20,835	38,160	42,326
France	14,377	13,011	11,170	10,843	12,383	12,400
Germany (Federal) ..	79,406	89,805	92,739	90,677	90,980	92,871
Greece	4,548	5,111	5,198	7,241	9,081	(a)
Italy	103,272	96,786	101,414	103,930	110,501	115,760
Norway	5,500	5,055	5,283	6,617	6,257	6,791
Poland (c)	(e) 122,900	136,200	139,900	153,700	150,900	156,300
Portugal	(a)	(a)	(a)	292	559	173
Spain	86,163	82,876	92,173	90,448	87,423	76,514
Sweden	37,819	44,381	57,506	57,866	64,997	66,543
U.S.S.R. (smelter) (e) ..	200,000	225,000	240,000	255,000	270,000	300,000
Yugoslavia	47,035	59,023	56,297	58,781	56,629	57,171
Algeria	11,300	18,728	26,524	30,530	30,058	28,110
Angola	42	92	—	—	3	—
Belgian Congo	96,926	123,809	82,970	66,700	115,670	105,589
Egypt	872	186	170	490	(a)	(a)
French Equatorial Africa	387	—	—	—	—	—
Morocco (Southern) ..	27,902	34,728	33,910	42,577	38,899	48,093
Tunis	(f) 3,536	3,591	(f) 5,095	(f) 5,350	4,645	3,495
Cuba	—	—	—	1,112	1,462	671
Greenland	—	—	—	—	2,300	8,161
Guatemala	8,000	6,000	3,900	8,347	7,096	(a)
Honduras (d)	282	568	706	1,279	2,043	2,312
Mexico	223,784	222,961	220,215	265,144	244,956	239,189
Salvador	130	50	—	—	(a)	(a)
United States (b) .. .	594,644	488,777	422,742	459,528	484,232	474,763
Argentina	15,568	13,050	16,600	20,900	23,327	29,080
Bolivia (exports) .. .	35,056	23,595	20,003	20,990	16,802	19,355
Chile	2,760	2,559	1,260	2,613	2,649	(e) 3,000
Peru (b)	125,826	136,905	156,058	163,459	172,354	154,974
Burma	859	3,525	6,516	8,221	7,226	9,085
Iran (g)	4,900	5,500	5,200	5,600	4,600	4,500
Japan	86,088	93,563	107,661	106,953	121,058	133,238
Philippine Republic ..	1,571	735	—	—	935	293
Thailand	490	2,000	3,000	3,000	2,000	1,625
Turkey	791	3,650	5,392	(e) 750	(e) 1,700	(a)
TOTAL (f)	1,970,000	1,970,000	1,970,000	2,120,000	2,220,000	2,260,000
WORLD'S TOTAL (f)	2,560,000	2,630,000	2,620,000	2,820,000	2,950,000	3,010,000

(a) Information not available.

(b) Recoverable.

(c) Smelter production.

(d) Imports into the United States from Honduras.

(e) Estimated.

(f) Revised.

(g) Years ended March 21 following that stated.

METAL PRODUCTION OF ZINC
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom ..	68,733	72,711	81,239	81,346	81,470	76,885
Northern Rhodesia ..	22,890	25,330	26,550	27,900	28,925	29,500
Canada	198,393	224,072	(b) 226,219	229,055	228,182	220,849
Australia	87,438	90,178	104,523	101,090	104,993	110,370
TOTAL	377,454	412,291	(b) 438,531	439,391	443,570	437,604
FOREIGN COUNTRIES						
Austria	—	—	—	2,300	7,500	9,200
Belgium	183,849	190,372	209,730	208,585	227,044	231,922
Bulgaria	—	—	—	1,337	5,745	7,394
France	78,724	79,660	109,152	110,178	110,806	128,000
Germany (Federal) ..	144,887	145,919	165,007	175,916	183,003	180,847
Italy	53,985	59,119	(b) 64,405	69,457	72,398	72,493
Netherlands	25,492	24,804	25,627	27,989	28,554	29,540
Norway	38,614	38,185	43,759	44,800	48,002	47,133
Poland	122,900	136,200	139,900	153,700	150,900	156,300
Spain	21,021	22,759	22,908	23,474	22,661	19,420
U.S.S.R. (c)	200,000	225,000	240,000	255,000	270,000	300,000
Yugoslavia	14,235	14,319	13,429	13,550	19,544	28,994
Belgian Congo	—	7,678	31,495	33,432	41,419	48,417
Mexico	49,591	52,215	53,997	55,249	55,400	55,672
United States (d) (e) ..	807,571	817,951	716,451	860,271	878,223	880,175
Argentina	(c) 8,500	12,740	10,826	13,287	13,779	13,814
Peru	5,134	8,767	15,120	16,787	9,303	29,002
China (f)	200	400	12,300	14,700	17,700	18,000
Japan	67,291	75,601	96,228	107,628	130,800	(a)
TOTAL	1,820,000	1,910,000	(b)1,970,000	(b)2,190,000	2,290,000	2,390,000
WORLD'S TOTAL	2,197,000	2,322,000	(b)2,410,000	(b)2,630,000	2,730,000	2,830,000

(a) Information not available.

(b) Revised.

(c) Estimated.

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

1952	277,163	1955	272,121
1953	263,105	1956	251,210
1954	242,655	1957	235,807

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

	1952	1953	1954	1955	1956	1957
A—High grade—Special ..	264,108	279,295	241,213	337,692	318,532	316,109
Ordinary ..	162,612	160,882	118,732	123,747	145,060	135,997
B—Intermediate grade ..	15,985	13,143	17,218	21,243	33,653	28,805
C and D—Brass special ..	43,587	50,196	47,020	71,615	85,974	75,260
Selected ..	12,150	1,723	1,101	3,486	2,143	1,027
E—Prime Western	358,336	359,922	351,893	361,454	357,261	387,692

(f) United States Bureau of Mines' estimate.

PRODUCTION OF ELECTROLYTIC ZINC IN CERTAIN COUNTRIES*
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Northern Rhodesia ..	18,785	17,004	17,557	17,900	28,925	29,500
Canada	198,393	224,072	(b) 226,219	229,055	228,182	220,849
Australia (Tasmania) ..	87,438	90,178	104,523	101,090	104,993	110,370
FOREIGN COUNTRIES						
France	34,127	32,996	41,300	43,162	47,390	48,000
Italy	44,916	50,016	58,092	60,706	62,827	(a)
Norway	38,614	38,185	43,759	44,800	48,002	47,133
Poland	(a)	(a)	40,600	49,600	55,300	58,300
Belgian Congo	—	7,678	31,495	33,432	41,419	48,417
United States	313,487	331,134	277,890	348,117	366,444	365,610
Japan	47,896	53,798	28,805	71,058	81,216	(a)

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

(a) Information not available.

(b) Revised.

PRODUCTION OF ZINC DUST IN CERTAIN COUNTRIES
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom ..	6,230	8,665	9,344	10,998	10,234	11,246
Australia	1,711	1,901	2,234	2,093	2,246	2,199
FOREIGN COUNTRIES						
France	3,993	2,967	2,480	3,023	2,453	2,179
Germany (Federal) ..	4,614	3,374	6,793	6,193	5,301	8,524
United States	22,422	22,587	23,834	26,891	25,043	23,850
Japan	2,417	3,276	3,617	5,048	4,616	(a)

(a) Information not available.

**PRODUCTION OF ROLLED ZINC SHEETS, PLATES AND STRIPS
IN CERTAIN COUNTRIES**
(Long tons)

Producing Country	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom	16,705	21,412	(c) 22,779	(c) 23,067	(c) 23,433	(c) 22,548
FOREIGN COUNTRIES						
France	54,467	50,559	54,689	57,563	57,637	61,647
United States (b) ..	47,754	50,346	43,781	47,390	42,802	35,475
Japan	3,602	4,949	4,346	4,890	5,350	(a)

(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		
1952			9,917	1955			7,262
1953			11,708	1956			7,059
1954			10,964	1957			11,327

(c) Including wire.

EXPORTS OF ZINC

(Domestic Produce)

(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	10,430	2,907	—	3,604	3,228	498
Ingots, bars etc. ..	129	5,573	585	608	365	1,062
Sheets, plates, etc. ..	1,556	1,800	2,533	2,149	1,933	1,374
Oxide	1,641	3,974	5,770	6,569	6,183	6,831
Lithopone, etc. ..	3,302	2,002	2,891	2,087	3,217	2,467
Kenya—						
Concentrates	297	—	—	—	—	—
Nigeria—						
Ore and concentrates ..	(a)	(a)	125	—	—	—
Northern Rhodesia—						
Ores and concentrates ..	—	—	—	—	15,024	2,415
Ingots	21,615	26,550	28,344	25,239	29,318	29,666
South West Africa—						
Ores and concentrates (Zn content)	15,254	13,269	19,753	21,375	30,107	55,835
Union of South Africa—						
Bars, sheets, etc. ..	—	1	1	8	20	2
Fume, dust, shavings, etc.	55	76	107	67	78	287
Canada—						
Ore (Zn content) ..	162,280	172,015	160,868	170,165	177,958	167,090
Crude	148,986	141,418	183,962	190,926	164,043	180,363
Dross, scrap and ashes ..	3,238	3,735	4,566	4,880	4,881	4,783
Oxide	(a)	(a)	1,062	1,066	477	924
Hong Kong (re-exports)—						
Unwrought, incl. alloys	1	1	—	30	148	426
Plates and sheets ..	87	61	56	129	226	463
Oxide	477	324	220	187	149	49
Lithopone	599	2,734	2,183	197	151	637
India—						
Concentrates, etc. ..	4,684	3,258	3,999	4,907	5,068	6,383
Malaya (b)—						
Bars, sheets, tubes, etc.	187	397	140	112	106	99
Australia (c)—						
Ores and concentrates (Zn content)	104,809	122,228	151,445	109,249	152,485	160,267
Dust	54	33	409	14	34	15
Ingots, blocks, etc. ..	30,967	44,944	37,198	32,709	33,715	39,676
Scrap and shavings ..	75	941	766	530	688	259
Plates and sheets ..	289	53	90	125	179	134
Oxide	(a)	150	280	324	100	265
Irish Republic—						
Ores and concentrates	2,851	3,977	2,472	4,147	4,536	3,390
FOREIGN COUNTRIES						
Austria—						
Ore	6,875	8,856	10,551	4,859	1,034	15
Crude and alloys ..	37	477	746	1,661	3,661	3,412
Scrap	1,674	2,762	2,814	2,704	1,544	673
Zinc-white	—	—	46	3	—	—
Lithopone	448	1,236	1,572	2,212	1,971	1,431
Belgium-Luxemburg						
E.U.—						
Ore	35,108	26,362	54,029	73,388	55,821	55,350
Crude	119,278	118,769	126,876	120,907	138,921	134,187
Scrap	68	57	3,334	2,390	1,683	2,892

(a) Information not available.

(b) Including re-exports.

(c) Years ended June 30 of that stated.

EXPORTS OF ZINC (*cont.*)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Belgium-Luxemburg						
<i>E.U.—(cont.)</i>						
Sheets, tubes and wire	11,744	13,843	13,803	16,826	18,162	19,101
Dust	3,085	4,058	5,394	8,260	7,088	9,701
Lithopone	3,624	5,641	8,603	12,198	16,528	15,492
Denmark—						
Crude	1,015	987	921	—	243	315
Scrap	142	125	258	1,367	1,435	992
Finland—						
Concentrates	2,327	5,499	8,250	31,696	80,438	90,083
Bars, sheets, scrap etc.	92	10	—	—	5	1
France—						
Ore	47	4,155	—	1	2,225	1,279
Crude	776	531	1,173	600	150	280
Bars, sheets and wire ..	2,300	1,668	1,248	1,092	1,082	1,220
Oxide	1,538	2,669	2,820	1,930	1,112	1,723
Lithopone, etc.	1,167	1,428	1,079	623	561	524
Germany (Federal)—						
Ore	—	16,437	5,911	7,258	5,090	829
Crude, scrap, dust (<i>b</i>) ..	33,982	36,339	13,874	30,030	41,650	25,223
Bars, sheets, wire, etc.	4,955	8,766	8,816	9,004	6,754	6,153
Zinc-white, zinc-grey ..	6,884	11,776	13,376	10,871	11,249	12,911
Lithopone	23,537	31,476	39,036	37,716	41,619	41,948
Greece—						
Ore	2,764	9,268	10,413	16,325	17,578	15,828
Italy—						
Ore	60,536	52,566	77,753	56,692	62,032	73,002
Crude	9,406	26,010	19,422	19,201	23,057	13,816
Bars, sheets, wire (<i>b</i>) ..	21	76	97	421	36	14
Oxide	836	981	849	353	544	544
Lithopone	1,988	4,381	6,012	3,355	4,620	3,692
Netherlands—						
Crude	16,545	19,203	15,635	18,107	20,387	14,967
Scrap	1,213	2,038	4,581	4,721	6,250	5,007
Sheets	1,459	1,014	1,655	1,180	921	1,296
Norway—						
Ore	—	408	2,854	6,023	5,675	6,056
Electrolytic zinc	27,199	30,388	30,361	32,409	36,627	39,485
Ashes and scrap	1,476	1,346	1,618	1,903	1,409	1,372
Zinc-white	(<i>a</i>)	269	2,069	2,083	2,482	1,407
Poland—						
Crude and sheets	(<i>a</i>)	110,000	86,800	94,900	94,500	95,000
Portugal—						
Bars	28	119	10	9	6	29
Zinc-white	27	27	20	16	11	16
Spain—						
Ore	84,835	95,918	94,877	106,698	90,419	63,431
Bars, scrap, sheets, wire, etc.	745	1	1	1	4	3
Sweden—						
Ore	80,030	75,186	108,613	104,915	125,728	135,827
Crude	194	124	98	518	116	154
Scrap	50	225	108	218	195	439
Zinc-white	30	283	830	990	914	559
Switzerland—						
Crude and scrap	2,770	3,561	5,303	5,937	5,226	5,738
Dust	95	39	13	52	41	61
Zinc-white, etc.	41	210	108	161	174	227
U.S.S.R.—						
Concentrates	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	36,400	32,600	—
Crude (<i>c</i>)	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)	34,900	50,100	71,000

(*a*) Information not available.

(*b*) Including alloys.

(*c*) May include some foreign produce.

EXPORTS OF ZINC (*cont.*)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Yugoslavia—						
Concentrates	25,057	28,235	41,703	43,808	29,610	23,984
Crude	7,555	3,140	1,331	2,700	2,250	14,569
Plates, sheets and strips	(a)	687	652	384	1,115	1,742
Dust	1,308	2,797	2,146	1,423	1,522	1,680
Oxide	178	614	331	318	925	1,048
Lithopone	547	793	1,006	1,051	1,513	1,007
Algeria—						
Ore	17,519	19,819	45,676	63,750	60,945	50,682
Crude, plates and scrap	203	273	535	516	659	389
Oxide	5	8	1	3	1	2
Belgian Congo—						
Ores and concentrates ..	136,832	123,379	118,727	101,447	70,458	78,073
Electrolytic zinc	30	5,739	29,507	32,703	38,901	48,866
Egypt—						
Ore	(a)	418	(a)	2,017	394	(a)
French Equatorial Africa						
Ore	1,968	—	—	—	—	—
Morocco (Southern)—						
Ore	47,281	53,038	70,259	88,503	62,521	102,266
Tunis—						
Ore	5,846	2,018	13,882	13,082	10,946	7,963
Greenland—						
Ore	—	—	—	—	4,761	12,692
Guatemala—						
Ore	17,154	15,327	6,317	15,762	18,545	18,942
Honduras—						
Ore and concentrates ..	—	—	—	341	859	1,357
Mexico—						
Ores and concentrates ..	346,739	295,059	310,733	365,178	382,631	357,848
Refined	41,519	50,786	39,118	47,986	40,381	41,602
Oxide	459	135	101	387	853	1,203
United States—						
Ore and concentrates (b)	3,009	2,637	—	—	763	6
Crude	51,530	16,044	22,317	16,133	7,870	9,630
Scrap (b)	868	893	14,901	19,296	13,332	4,883
Sheets, strips, etc. ..	2,706	3,760	2,643	2,325	2,717	2,390
Dust	(a)	448	454	397	332	531
Oxide	6,799	2,652	2,778	2,365	2,454	2,807
Lithopone	8,915	3,506	2,690	1,689	1,239	885
Bolivia—						
Ores (<i>Zn content</i>) ..	35,056	26,122	20,003	20,990	16,802	19,355
Brazil—						
Ore	98	197	—	1,153	—	—
Chile—						
Ores (c)	4,253	1,588	—	—	8,800	5,500
Colombia—						
Ore	436	408	—	—	—	—
Peru—						
Ores, etc. (<i>Zn content</i>) ..	109,685	87,123	95,072	125,893	134,749	117,333
Bars (<i>Zn content</i>) ..	1,529	9,092	15,658	18,349	6,914	26,668
Burma—						
Concentrates	2,054	20,733	32,691	40,266	31,237	36,751
Japan—						
Crude	4,112	639	2,065	4,406	14,626	11,514
Oxide and sulphide ..	810	9	37	109	117	181
Lithopone	308	250	78	102	213	12
Philippine Republic—						
Concentrates	422	1,412	—	—	1,083	1,476
Turkey—						
Ore	1,243	54	217	588	984	982

(a) Information not available.
(b) *Zn content*.

(c) Including complex ores.

IMPORTS OF ZINC

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Ore and concentrates ..	193,030	165,261	192,863	200,252	180,760	207,355
Ingots, bars, etc. ..	228,835	125,567	153,036	159,522	125,747	146,713
Sheets, plates, etc. ..	248	(b) 547	668	1,090	418	451
Oxide	12	7	37	36	54	4
Lithopone, etc. . .	4,170	3,296	2,122	2,286	2,838	2,828
Ghana—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	76	50	41	26
Kenya—						
Unwrought, incl. scrap	(b) 7	58	96	49	59	37
Bars, plates, sheets, etc.	15	7	7	26	10	21
Nigeria—						
Unwrought and bars, rods, sheets, etc. ..	(a)	(a)	66	43	63	42
Southern Rhodesia—						
Sheets, dust, etc. ..	92	116	(c) 179	(c) 124	(c) 102	(c) 147
South West Africa—						
Crude, sheets, etc. ..	—	3	1	(g)	(g)	(g)
Tanganyika—						
Bars, sheets, scrap, etc.	19	7	7	17	22	7
Union of South Africa—						
Bars, rods and ingots ..	8,072	13,853	22,004	(h) 11,840	(h) 21,432	(h) 17,717
Sheets and strips ..	408	226	364	(h) 571	(h) 494	(h) 192
Lithopone	683	1,412	2,526	(h) 3,009	(h) 1,924	(a)
Oxide	268	484	256	(h) 346	(h) 351	(a)
Dust and shavings ..	107	67	52	(h) 49	(h) 61	(a)
Canada—						
Dust	216	299	266	375	438	604
Ingots, sheets, plates bars, etc.	1,143	1,185	1,209	1,688	1,510	1,369
Zinc-white	649	1,234	924	719	544	1,281
Lithopone	2,817	2,990	2,269	1,691	2,049	2,438
Ceylon—						
Blocks, ingots, etc. ..	13	19	12	13	26	50
Sheets and plates ..	36	29	29	15	32	21
Hong Kong (i)—						
Unwrought, incl. scrap	18	52	141	232	700	1,158
Sheets and plates ..	1,066	1,777	843	1,268	1,025	952
Oxide	17	63	485	599	527	545
Lithopone	488	2,708	3,571	1,713	1,463	2,439
India—						
Crude	23,821	23,980	37,597	31,028	35,258	47,910
Sheets, etc.	1,496	1,849	2,190	1,742	2,059	1,632
Zinc-white	15	15	7	51	4	9
Lithopone	2,184	773	1,250	729	417	279
Malaya (i)—						
Sheets	450	(d) 1,856	(d) 2,863	(d) 1,414	(d) 643	(d) 1,059
Pakistan (e)—						
Crude	277	307	915	2,160	285	655
Zinc-white	277	194	105	194	177	134
Lithopone	597	374	399	676	458	809
Australia (f)—						
Dust	9	3	2	} 131	154	132
Bars, sheets and scrap ..	450	17	58			
Oxides	51	3	109			
Lithopone	5,923	68	1,871	2,225	1,925	2,415

(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.

(i) Total imports.

IMPORTS OF ZINC (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
<i>(cont.)</i>						
New Zealand—						
Crude, ingots, bars, etc.	879	493	1,198	1,603	1,380	1,629
Sheets and plates	233	169	225	184	239	276
Oxide	229	169	237	411	404	338
Zinc-white	707	188	251	(a)	(a)	(a)
Lithopone	1,016	204	405	426	193	132
Irish Republic—						
Unwrought incl. alloys	199	595	1,063	1,679	1,351	1,452
Wrought incl. alloys ..	185	333	407	389	357	334
Zinc-white	150	448	(a)	(a)	(a)	(a)
FOREIGN COUNTRIES						
Austria—						
Ore	—	—	4,766	9,580	6,419	4,037
Crude and alloys	5,530	5,532	7,620	9,601	5,959	4,447
Sheets, bars, etc. .. .	3	11	12	26	102	127
Zinc-white and zinc- grey	96	28	233	364	407	389
Lithopone	8	15	25	193	418	540
Belgium-Luxemburg						
E.U.—						
Ore	491,061	353,513	475,451	541,807	536,351	514,382
Crude	865	1,267	4,977	885	571	777
Scrap	168	145	43	68	240	9
Sheets, bars and wire	82	187	196	34	57	15
Dust	—	9	13	61	8	261
Oxide	658	1,166	1,303	1,408	1,140	1,235
Lithopone	1,428	1,652	1,512	1,577	1,725	1,540
Denmark—						
Crude	2,415	3,918	6,638	5,560	4,511	5,557
Scrap	38	60	83	75	82	143
Plates, sheets and wire	3,729	4,941	5,628	4,718	5,382	4,733
Zinc-white	1,329	1,905	1,798	1,726	1,987	1,596
Lithopone	1,610	1,687	1,988	1,763	1,866	1,727
Finland—						
Crude	3,572	3,314	5,800	7,578	4,504	6,245
Scrap	10	52	35	45	126	54
Sheets	455	339	821	466	288	538
Zinc-white	1,320	774	848	878	529	520
Lithopone	798	940	1,753	1,596	1,353	1,735
France—						
Ore	184,593	163,295	237,612	296,558	285,363	308,039
Crude	42,925	13,911	21,348	14,778	11,394	10,271
Scrap	649	293	6,316	6,957	7,153	6,578
Dust	352	2,634	3,935	2,022	1,744	2,243
Sheets, bars and wire ..	82	13	91	107	864	55
Oxide	2,213	612	900	380	586	399
Lithopone	3,873	8,575	8,289	12,799	17,110	16,295
Germany (Federal)—						
Ores	79,673	47,911	53,767	102,034	114,526	109,123
Crude, dust, scrap and alloys	19,788	24,836	56,166	69,831	62,442	68,783
Bars, sheets, wire, etc. ..	5	241	1,516	4,843	3,929	4,861
Zinc-white and zinc- grey	124	1,155	2,210	3,040	2,265	2,972
Lithopone	100	1,732	2,018	2,180	2,883	2,743
Greece—						
Crude, etc.	977	1,406	2,048	2,171	2,114	2,754

(a) Information not available.

IMPORTS OF ZINC (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
Iceland—						
Zinc-white	26	29	37	26	67	34
Italy—						
Ore	1,021	2,671	703	867	1,072	20
Crude	5,849	2,700	5,322	5,222	4,592	8,615
do. (alloys)	11	201	1,291	637	847	913
Scrap	318	629	1,243	940	1,281	2,461
Dust	201	394	427	587	1,149	941
Bars, sheets, wire (b)	12	37	85	98	166	123
Oxide	166	149	140	165	303	558
Lithopone	69	32	1,016	650	704	732
Netherlands—						
Ore	83,159	55,482	70,849	65,031	45,948	69,629
Crude	4,997	9,906	17,159	7,565	8,432	10,041
Scrap	144	218	250	263	371	226
Sheets	3,294	4,036	3,609	3,340	4,321	4,308
Oxide	1,131	1,656	1,714	1,432	1,511	1,464
Lithopone	637	769	1,305	1,231	2,481	2,010
Norway—						
Ore	58,119	47,884	83,318	100,766	75,566	92,703
Ashes and scrap	626	365	1,179	922	1,326	1,330
Crude	1,221	311	360	359	1,601	750
Bars and sheets	77	266	679	724	1,095	861
Zinc-white	542	369	657	762	753	736
Lithopone	343	616	610	601	495	395
Poland—						
Concentrates	(a)	59,200	79,400	78,800	89,600	150,000
Portugal—						
Crude, scrap and dust	807	1,288	1,573	1,717	2,422	2,743
Oxide	850	909	917	822	783	786
Lithopone	1,209	1,024	1,255	1,488	1,647	1,619
Spain—						
Bars and scrap	21	450	1,492	6	398	4,092
Sweden—						
Crude	26,968	20,563	28,353	25,934	25,796	23,664
Scrap	31	46	—	17	3	1
Sheets	1,186	1,287	1,614	1,447	1,369	1,513
Zinc-white	3,081	4,389	4,950	4,990	4,994	5,071
Lithopone, etc.	4,612	5,889	6,553	6,475	6,172	5,945
Switzerland—						
Crude and scrap	11,319	9,849	16,874	15,699	16,068	17,943
Dust	783	736	1,572	1,812	931	1,395
Bars, sheets, pipes and wire	1,003	1,248	1,489	1,336	1,384	1,256
Zinc-white, lithopone, etc.	4,493	6,461	7,504	8,522	9,868	9,067
U.S.S.R. (c)—						
Crude	(a)	(a)	(a)	46,600	47,300	32,000
Algeria—						
Crude, sheets and scrap	630	590	694	767	591	803
Oxide	515	449	597	536	315	455
Lithopone, etc.	516	668	502	755	922	783
Angola—						
Bars, sheets, wire	194	58	140	72	104	154
Oxide	23	28	33	41	42	39
Belgian Congo—						
Crude and scrap	(a)	92	20	28	2	4
Oxide	(a)	72	63	79	188	88
Lithopone	(a)	194	372	154	590	478
Egypt—						
Crude, sheets and scrap	376	672	816	1,132	(a)	(a)
Zinc-white	185	274	286	429	(a)	(a)
Lithopone	2,127	2,395	2,368	2,666	(a)	(a)

(a) Information not available.

(b) Including alloys.

(c) Total imports.

IMPORTS OF ZINC (*cont.*)
(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES						
<i>(cont.)</i>						
Morocco (Southern)—						
Crude	443	468	591	413	131	338
Bars, sheets and wire	236	154	255	219	177	103
Oxide	292	391	380	418	361	303
Lithopone	811	1,007	1,071	951	955	829
Mozambique—						
Crude, bars and sheets	8	16	4	10	11	8
Oxide	13	11	21	18	33	23
Tunis—						
Crude and dust	(a)	49	102	2	75	12
Sheets	(a)	84	103	90	65	34
Oxide	(a)	107	162	109	53	87
Lithopone	(a)	343	(a)	(a)	215	318
Cuba (b)—						
Crude	163	123	151	206	650	(a)
Bars and sheets	73	137	108	127	367	(a)
Mexico (b)						
Crude, sheets and scrap	129	79	156	32	602	338
United States—						
Ore (<i>Zn content</i>) (c)	484,209	401,546	429,391	343,436	412,838	608,785
Crude	100,938	203,262	142,980	174,160	218,505	239,373
Dross and scrap	3,118	5,281	970	254	537	527
Sheets	42	175	231	385	405	1,327
Dust	118	933	—	64	64	100
Oxide	155	1,059	2,096	2,964	3,274	4,683
Lithopone	9	26	58	27	128	51
Argentina—						
Crude and bars	4,155	197	1,968	6,397	6,244	1,369
Sheets and plates	491	1,268	154	—	—	8
Zinc-white	73	—	—	—	—	1
Brazil (b)—						
Crude	9,697	12,429	20,812	13,737	18,977	15,253
Bars, sheets and plates	543	625	1,158	1,440	238	117
Zinc-white	3,355	2,332	4,885	3,152	4,729	2,542
Lithopone	(a)	(a)	(a)	5,710	7,776	7,739
Chile—						
Crude	1,986	2,397	4,097	3,108	1,562	(a)
Bars and sheets	74	295	280	179	(a)	(a)
Zinc-white	136	85	4	4	(a)	(a)
Lithopone	1,579	1,169	432	450	(a)	(a)
Colombia—						
Crude, sheets, bars and wire including alloyed	128	184	489	590	406	559
Zinc-white	391	590	778	876	931	1,053
Lithopone	205	378	317	624	640	1,015
Peru—						
Crude, bars, sheets and powder	74	82	72	113	122	113
Zinc-white and lithopone	317	262	532	400	384	627
Uruguay—						
Crude	336	402	(a)	(a)	(a)	(a)
Lithopone	372	425	(a)	(a)	(a)	(a)
Zinc-white	262	289	(a)	(a)	(a)	(a)
Venezuela (b)—						
Crude	21	17	6	(a)	4	6
Zinc-white	66	119	207	(a)	195	164
Lithopone	528	526	727	(a)	824	754
Formosa—						
Crude	145	452	7,767	827	818	1,655
Bars, rods and alloyed	118	152	162	329	190	281

(a) Information not available.
(c) Revised.

(b) Total imports.

IMPORTS OF ZINC (*cont.*)
(Long-tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
FOREIGN COUNTRIES (<i>cont.</i>)						
Indonesia—						
Crude, scrap and dust	50	285	40	19	21	134
Bars and sheets	1,097	678	455	409	524	629
Zinc-white	1,146	1,525	1,025	2,562	1,601	2,236
Iran (<i>b</i>)—						
Crude, sheets and wire	15	11	28	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Oxide	50	25	268	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Lithopone	725	462	476	(<i>a</i>)	(<i>a</i>)	(<i>a</i>)
Iraq—						
Crude, sheets, etc. .. .	5	11	27	26	265	(<i>a</i>)
Israel—						
Crude and sheets .. .	166	498	1,435	1,755	1,810	1,941
Lithopone	568	460	845	846	677	829
Japan—						
Ore	15	2,367	3,820	10,683	37,519	58,430
Crude	1,936	7,177	4,375	5,182	6,109	7,324
Scrap	235	1,797	142	205	7	23
Dross	311	1,346	295	35	52	981
Plates and sheets .. .	99	7	4	8	12	86
Lebanon—						
Oxide and lithopone .. .	57	108	165	177	142	107
Philippine Republic—						
Crude and sheets .. .	37	67	101	136	1,627	3,970
Dust	74	93	83	95	90	97
Oxide	210	497	810	474	491	898
Lithopone	284	250	159	249	500	467
Syria—						
Oxide and lithopone .. .	132	321	349	586	655	613
Turkey—						
Crude	251	420	691	32	747	445
Bars, tubes and wire .. .	2,301	3,075	1,967	3,801	792	764
Oxide	1,118	1,561	1,565	1,035	1,159	824
Lithopone	1,597	1,952	1,286	1,102	1,173	205

(a) Information not available.

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

ZIRCONIUM MINERALS

PRODUCTION OF ZIRCONIUM MINERALS (Long tons)

Producing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
India	—	—	—	3	3	10
Malaya (e)	—	—	—	81	45	41
Australia—						
Zircon (b)	30,319	(a)	(a)	(a)	(a)	(a)
Zircon concentrates (c)	29,691	27,207	41,453	48,673	72,458	88,561
FOREIGN COUNTRIES						
Egypt	118	235	97	112	359	(f) 350
French West Africa	—	935	—	—	1,130	3,681
Madagascar	4	—	—	—	—	—
United States	23,400	21,343	14,573	25,098	39,441	(a)
Brazil (d)	3,909	3,044	3,726	2,958	2,526	1,606

(a) Information not available.

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

(c) Zircon content included above and not additional.

(d) Chiefly baddeleyite.

(e) Exports.

(f) United States Bureau of Mines' estimate.

EXPORTS OF ZIRCONIUM MINERALS

(Domestic Produce)
(Long tons)

Exporting Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
Malaya—						
Zircon	—	—	—	81	45	41
Australia—						
Zircon concentrates ..	26,083	31,173	36,512	46,685	68,838	85,254
FOREIGN COUNTRIES						
Belgian Congo—						
Ore	(a)	(a)	(a)	(a)	24	(a)
French West Africa—						
Zircon	—	30	965	—	758	3,892
United States—						
Ores and concentrates ..	522	991	617	696	936	2,821
Brazil (b)	2,165	1,255	1,181	1,381	492	98

(a) Information not available.

(b) Chiefly baddeleyite.

IMPORTS OF ZIRCONIUM MINERALS

(Less Re-exports)

(Long tons)

Importing Country and Description	1952	1953	1954	1955	1956	1957
BRITISH COUNTRIES						
United Kingdom—						
Zirconium ores ..	3,454	4,548	5,627	9,168	12,138	19,848
Canada—						
Zirconium oxide ..	(£8,579)	(£8,216)	(£3,652)	(£6,994)	(£6,199)	(£7,704)
Zirconium silicate ..	(£38,340)	(£47,139)	(£49,790)	(£42,315)	(£70,540)	(£135,104)
FOREIGN COUNTRIES						
France—						
Zirconium ore	(a)	(a)	(a)	(a)	8,966	9,806
Italy—						
Zirconium ore	155	131	103	130	6,862	(a)
United States—						
Zirconium ore (b) ..	21,345	22,025	16,658	25,974	27,803	37,225
Zircon (c)	19,196	19,821	14,554	24,591	27,099	37,196
Baddeleyite (d) .. .	1,761	1,076	1,257	1,383	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	1952	1953	1954	1955	1956	1957
TELLURIUM						
PRODUCTION—						
Canada Lb.	6,035	4,694	8,171	9,014	7,867	34,503
United States (b) Lb.	189,076	70,446	97,114	143,877	190,700	254,900
Peru Lb.	—	—	—	2,341	88	(a)
Japan Lb.	—	331	992	992	331	(a)
IMPORTS—						
Germany (Federal) Lb.	3,086	2,205	9,480	22,046	9,700	11,244
VERMICULITE						
PRODUCTION—						
Kenya Ton	—	73	720	340	444	30
Southern Rhodesia Ton	—	—	—	—	272	411
Union of South Africa Ton	32,641	30,218	40,744	51,323	52,426	55,910
Australia .. Ton	62	29	—	—	1	—
India Ton	22	—	3	123	927	—
Morocco .. Ton	—	—	—	—	—	131
United States (sales) Ton	186,523	169,228	174,587	182,179	171,989	164,274
Argentina .. Ton	(a)	(a)	(a)	500	700	(a)
WORLD'S TOTAL Ton	219,248	199,548	216,054	234,400	226,800	222,000
EXPORTS—						
Union of South Africa Ton	29,203	29,363	36,834	40,036	47,121	44,211
Southern Rhodesia Ton	28	146	8	3	2	1
IMPORTS—						
United Kingdom (d) ..	5,982	8,376	7,777	10,456	10,606	10,930
Canada £	117,340	118,779	127,530	129,240	135,969	137,314
France Ton	2,598	3,636	3,477	5,193	(c) 4,577	(c) 7,453
Mexico Ton	797	343	449	586	311	429
United States (d) Ton	7,421	5,906	6,744	9,497	7,217	5,788

(a) Information not available.

(b) Including tellurium content of compounds.

(c) May include perlite, etc.

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

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