

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA

AUSTRALIA

STATISTICAL BULLETIN:

MINERALS AND METALS, AUSTRALIA

NO. 8 - QUARTER ENDED 31ST DECEMBER, 1953.

Prepared under Instructions from the
Right Honorable the Treasurer

by

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ACTING COMMONWEALTH STATISTICIAN

PREFACE

Statistics included in this issue relate to Australian production and overseas trade of minerals and metals. In the main, the data relating to mineral production consist of official statistics of Mines Departments furnished to this Bureau by the Statisticians of the several States and by the Northern Territory Mines Branch. These statistics have been supplemented as necessary by data obtained from the Australian Mines and Metals Association (Inc.), the Bureau of Mineral Resources and several other sources.

Prior to the year 1950, the official statistics of minerals production in Australia were very defective because of the widely different methods adopted by the several States in collecting, compiling and reporting the data. The Bureau of Mineral Resources had done much work in re-arranging State data with the object of deriving satisfactory Commonwealth totals but it was not until 1950 that some States commenced implementation of a plan for the unification and standardization of Australian mineral statistics. Further improvements were made in 1951 and 1952 and work is proceeding with the object of removing the remaining defects in the statistics with particular emphasis on the problem of obtaining sound and uniform statistical value and employment data for all States and Territories.

The fundamental provision of the plan for standardization of mineral statistics in Australia is that quantities and values of individual minerals produced should be reported in terms of the products in the form in which they are despatched from the locality of each mine. This involves the inclusion in the mining industry of ore-dressing and elementary smelting of metallic minerals (e.g. in the case of gold) and miscellaneous treatment of non-metallic minerals where these operations are carried out in an associated plant at or near the mine. For example, in the case of a metal concentrate where ore-dressing operations are carried out in associated works in the locality of the mine.

The particulars of quantities of minerals produced shown in Table 4 have been compiled on this basis as far as practicable. This has involved some re-arrangement of Mines Department official statistics for States which have not yet fully implemented the uniform plan. Actual output of the mineral product (as defined in the preceding paragraph) has generally been reported, but in the cases indicated by foot-note (b), despatches from the mine (or sales) as distinct from production have been recorded. In addition to the basic quantity data, particulars of contents of metallic minerals (and of contents or average grade of selected non-metallic minerals) have been shown in detail in Table 4 and in summary form in the case of metallic minerals in Table 5. In general, the particulars of content of metallic minerals represent total contents (as determined by assay) for each metal which is a "pay metal" or "refiners' prize" when present in the particular mineral. The data in Table 4 exclude construction materials (sand, gravel, building stone, etc.) and some non-metallic minerals for which relevant particulars are not at present available.

In view of the statistically unsatisfactory nature of present quarterly information regarding values of minerals produced in some States, publication of recorded values of mineral production has been discontinued until such time as satisfactory data are available.

Where the unit "ton" is used in this Bulletin, it refers to the long ton of 2240 lb.

I extend my thanks to State Departments of Mines, State Statisticians, the Bureau of Mineral Resources and others who have supplied information used for the preparation of this Bulletin.

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COMMONWEALTH BUREAU OF CENSUS AND STATISTICS.

CANBERRA. A.C.T.

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SUMMARY

The following provides a summary of trends in the production and overseas trade of principal minerals and metals for Australia during the year 1953 and quarter ended 31st December, 1953 in comparison with earlier periods:-

(i) Production of Minerals: The mine production of metals (i.e. metal contents of ores, concentrates and other minerals produced) during 1953 was greater than in 1952 for all principal metals with the exception of tin. The largest increases recorded were for copper (101.1 per cent) and zinc (21.7 per cent). The large increase for copper is mainly the result of greater production at Mount Isa. Mine production in the quarter ended 31st December, 1953 was greater than for the preceding quarter in the case of gold and tin but was lower for copper, lead, iron, silver and zinc.

Mine production during 1953 was substantially greater than in 1939 in the case of copper, iron and zinc. Production of gold, silver and tin was considerably less. In the case of lead the decrease was not so marked.

The production of black coal during 1953 was 5.0 per cent less in 1952. Production for the quarter ended 31st December, 1953 was 10.5 per cent less than for the preceding quarter. Production of brown coal for year ended 31st December, 1953 was 1.9 per cent more than for 1952. Production during the quarter ended 31st December, 1953 remained practically unchanged from the preceding quarter.

Production of sulphur (i.e. sulphur content of zinc concentrate and pyrites produced and spent oxide roasted) during 1953 was greater than for 1952 by 3.4 per cent, but for the quarter ended 31st December, 1953 it was 6.7 per cent less than for the preceding quarter.

During 1953 production of black coal, brown coal and sulphur was considerably greater than in 1939.

The following table sets out particulars of production of principal minerals in Australia for the years 1939 and 1950 to 1953 and each quarter of 1953.

TABLE I : PRODUCTION OF PRINCIPAL MINERALS : AUSTRALIA

Particulars	Quantities of Metal Contents of Minerals Produced							Quantities Produced		
	Copper	Gold	Lead	Iron (a)	Silver	Tin	Zinc	Black Coal	Brown Coal	Sulphur (b)
	Tons	fine oz.	Tons	Tons	'000 Fine oz.	Tons	Tons	'000 Tons	'000 Tons	Tons
Annual Totals -										
1939	20,560	1,645,697	280,003	1,548,031	15,320	3,067	214,823	13,535	3,651	151,008
1950	17,481	869,537	225,367	1,417,608	10,894	1,854	197,783	16,543	7,327	179,843
1951	17,926	895,551	212,013	1,605,400	10,244	1,559	189,227	17,608	7,836	183,126
1952	18,578	980,435	228,196	1,883,087	11,278	1,611	196,450	19,405	8,104	217,217
1953	37,364	1,075,080	269,296	2,132,086	12,249	1,494	239,069	18,441	8,257	224,530
Quarterly Averages -										
1939	5,140	411,424	70,001	387,008	3,830	767	53,706	3,384	913	37,752
1950	4,370	217,384	56,342	354,402	2,746	466	49,446	4,136	1,832	44,961
1951	4,481	223,888	53,003	401,350	2,561	390	47,307	4,402	1,959	45,781
1952	4,645	245,109	57,049	470,772	2,820	403	49,113	4,851	2,026	54,304
1953	9,341	268,770	67,324	533,022	3,062	374	59,767	4,610	2,064	56,133
Quarter ended -										
31st March, 1953	6,823	249,578	57,616	569,552	(a)2,762	227	49,952	4,204	1,910	47,849
30th June, 1953	9,627	264,323	68,066	528,736	(c)3,038	427	59,645	4,215	2,120	54,775
30th September, 1953	10,899	273,068	78,026	544,814	3,384	419	69,305	5,290	2,118	63,071
31st December, 1953	10,015	288,111	65,588	488,984	3,065	421	60,167	4,732	2,109	58,835
Percentage change, 1953 on -	%	%	%	%	%	%	%	%	%	%
1939	(+) 81.7	(-) 34.7	(-) 3.8	(+) 37.7	(-) 20.0	(-) 51.3	(+) 11.3	(+) 36.2	(+) 126.2	(+) 48.7
1952	(+) 101.1	(+) 9.7	(+) 18.1	(+) 13.2	(+) 8.6	(-) 7.3	(+) 21.7	(-) 5.0	(+) 1.9	(+) 3.4

(a) Estimated. (b) Total sulphur content of zinc concentrates and pyrites produced and of spent oxide roasted. (c) Revised.

(11) Smelter and Refinery Production of Metals: During 1953, smelter and refinery output decreased from the 1952 levels by 25.2 per cent for copper, 9.7 per cent for lead in lead bullion for export, 1.5 per cent for silver and 15.1 per cent for tin. On the other hand production of pig iron increased by 12.6 per cent, steel ingots 25.1 per cent, refined gold 1.2 per cent, refined lead 10.1 per cent and zinc 3.1 per cent.

Production in 1953 was substantially lower than in 1939 in the case of refined copper, gold, lead, silver and tin. Output of pig iron, steel ingots and refined zinc was considerably higher.

A summary of the data relating to output of principal smelter and refinery products is shown in the following table.

TABLE 2 : SMELTER AND REFINERY PRODUCTION OF PRINCIPAL METALS : AUSTRALIA
(Excludes secondary recovery of metal (i.e. from scrap) unless otherwise stated)

Particulars	Copper (Refined) (a)	Gold (Refined) (b)	Lead		
			Refined	In Bullion (c)	Total
	Tons	Fine oz.	Tons	Tons	Tons
Annual Totals -					
1939 ..	17,867	(d)2,021,254	(e)199,437	43,955	243,392
1951 ..	13,543	1,029,580	165,758	31,872	197,630
1952 ..	(e)19,623	1,240,790	156,639	37,709	194,348
1953 ..	14,679	1,255,184	172,468	34,050	206,518
Quarterly Averages -					
1939 ..	4,467	(d)505,314	(e)49,859	10,989	60,848
1951 ..	3,386	257,395	41,440	7,968	49,408
1952 ..	(e)4,906	310,198	39,160	9,427	48,587
1953 ..	3,670	313,796	43,117	8,513	51,630
Quarter ended -					
31st March, 1953 ..	3,192	(f)	(g)		
30th June, 1953 ..	5,089	310,773	21,240	9,250	30,490
30th September, 1953 (f)	1,205	307,042	47,213	8,456	55,669
31st December, 1953 (f)	5,193	347,371	53,135	(g)8,451	61,586
Percentage change, 1953 on -	%	%	%	%	%
1939 ..	(-)17.8	(-)37.9	(-)13.5	(-)22.5	(-)15.2
1952 ..	(-)25.2	(+)1.2	(+)10.1	(-)9.7	(+)6.3
Particulars	Pig Iron	Steel Ingots	Silver (Refined) (h)	Tin (Refined)	Zinc (Refined) (i)
	Tons	Tons	'000 f.oz	Tons	Tons
Annual Totals -					
1939 ..	(j)1,104,605	(j)1,170,103	9,552	3,294	71,220
1951 ..	1,325,145	1,462,751	6,879	1,459	77,010
1952 ..	1,542,063	1,638,417	6,773	1,699	87,438
1953 ..	1,736,854	2,049,237	6,672	1,443	90,178
Quarterly Averages -					
1939 ..	(j) 276,151	(j) 292,526	2,388	824	17,805
1951 ..	331,286	365,688	1,715	365	19,253
1952 ..	385,516	409,604	1,693	425	21,860
1953 ..	434,214	512,309	1,668	361	22,545
Quarter ended					
31st March, 1953 ..	433,138	(f)	(f)(g)	(f)	
30th June, 1953 ..	356,246	466,997	886	362	21,506
30th September, 1953	466,063	502,899	1,921	299	21,149
31st December, 1953 (f)	481,407	542,729	1,823	402	21,918
Percentage change, 1953 on -	%	%	%	%	%
1939 ..	(+)57.2	(+)75.1	(-)30.2	(-)56.2	(+)26.6
1952 ..	(+)12.6	(+)25.1	(-)1.5	(-)15.1	(+)3.1

(a) Excludes quantities refined from imported blister copper. (b) Includes quantities refined from gold bearing minerals of overseas origin; see Table 6. (c) Lead content of lead bullion produced for export. (d) Year ended 31st December, 1940. (e) Includes small quantities recovered from scrap. (f) Subject to revision. (g) Revised since previously published. (h) Includes small quantities recovered from silver bearing minerals of overseas origin. (i) Includes zinc dust produced for sale and for use in the zinc refining plant. (j) Year ended 31st May, 1939.

(iii) Oversea Trade in Principal Minerals and Metals: The following table gives a brief summary of the oversea trade in principal minerals and metals for the years 1938-39, 1951, 1952 and 1953 and the quarter ended 31st December, 1953. The particulars shown for metals represent total quantities of metal (in refined and unrefined form) entering into oversea trade. Detailed particulars for unrefined metallic minerals (ores, concentrates, etc.) and for refined metals in various forms are shown in Tables 7, 8 and 9.

Gold imports mainly represent mine bullion imported from New Guinea and other Pacific areas, for refining in Australia. Gold exports in 1952 and 1953 represent almost entirely, shipments of gold sold on oversea premium markets.

TABLE 3 : IMPORTS AND EXPORTS OF PRINCIPAL MINERALS AND METALS : AUSTRALIA

Particulars	Unit of Quantity	Annual Totals				Quarter ended 31st Dec., 1953(a)
		1938-39	1951	1952 (a)	1953 (a)	
<u>IMPORTS</u>						
Metals (b) -						
Copper ..	Ton	878	27,104	28,320	3,428	446
Gold ..	Fine oz.	376,417	108,913	286,257	158,366	19,131
Iron & Steel (c)	Ton	128,341	243,659	270,017	92,341	13,797
Lead ..	"	110	9	-	-	-
Silver ..	'000 f.oz.	201	79	123	63	7
Tin ..	Ton	39	2,723	180	623	242
Zinc (d)	"	160	-	-	-	-
Coal (Black)	"	86,970	352,734	282,352	22,200	2,009
Petroleum & Shale						
Oils ..	'000 gals.	602,761	1,500,065	1,547,205	1,487,385	399,512
Sulphur (e) ..	Ton	115,101	99,382	111,404	146,280	41,403
<u>EXPORTS</u>						
Metals (b) -						
Copper ..	Ton	3,057	676	1,690	12,334	1,454
Gold ..	Fine oz.	2,012,972	7,432	840,343	1,224,659	141,322
Iron & Steel (c)	Ton	187,767	17,890	83,223	412,096	78,254
Lead ..	"	232,029	153,085	195,585	230,551	66,442
Silver ..	'000 f.oz.	11,266	11,028	7,279	10,750	2,694
Tin ..	Ton	1,785	41	652	93	16
Zinc ..	"	178,654	102,673	157,205	161,966	49,224
Coal (Black)	"	382,085	114,503	176,828	376,779	101,198
Petroleum & Shale						
Oils ..	'000 gals.	1,313	5,338	9,651	4,617	1,493
Sulphur (f) ..	Ton	78,373	49,500	72,504	74,659	25,310

(a) Imports cleared for home consumption. (b) Refined metal (ingots, pigs, bars, sheet, rods, tubes, etc.) plus metal content of minerals (ores, concentrates, mine bullion, etc.). (c) Excludes iron ore. (d) Blocks, ingots. (e) Elemental sulphur. (f) Sulphur content of zinc concentrates exported.

DETAILED TABLES

Further particulars of the production and oversea trade in minerals and metals, and other mineral products are shown in the following tables.

TABLE 4 - QUANTITIES AND CONTENTS (OR GRADE) OF MINERALS PRODUCED : AUSTRALIA, YEARS 1952 AND 1953,
STATES AND AUSTRALIA, QUARTER ENDED 31ST DECEMBER, 1953

Mineral	Unit of Quantity	Australia		Quarter ended 31st December, 1953							
		1952	1953 (a)	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA
<u>METALLIC MINERALS</u>											
<u>ANTIMONY ORE AND CONCENTRATE</u>	Ton	480	448	(b)21	3	16	-	(b)261	-	-	301
Antimony Content ..	"	239	215	12	2	8	-	120	-	-	142
Gold Content ..	F.oz.	123	-	-	-	-	-	-	-	-	-
<u>BAUXITE</u>	Ton	7,235	4,126	309	585	-	-	-	-	-	-
Al ₂ O ₃ Content ..	"	(c)2,896	(c)1,570	61	(d)290	-	-	-	-	-	894
<u>BERYLLIUM ORE</u>	lb.	195,194	279,149	-	-	-	-	(b)73,203	-	-	(b)73,203
BeO Content ..	"	23,851	33,514	-	-	-	-	8,512	-	-	8,512
<u>BISMUTH CONCENTRATE</u>	Ton	7,982	3,269	287	-	-	-	-	-	-	287
Bismuth Content ..	"	3,152	321	174	-	-	-	-	-	-	174
WO ₃ Content ..	Ton	1	1	-	-	-	-	-	-	-	-
<u>CHROMITE</u>	"	1,398	1,968	-	-	-	-	-	-	-	-
Cr ₂ O ₃ Content ..	"	576	861	-	-	-	-	-	-	-	-
<u>COPPER ORE, CONCENTRATE, ETC.</u>	"	108,150	189,975	1,115	-	37,818	-	-	12,548	14	51,495
Copper Content ..	"	16,126	33,855	222	-	6,229	-	-	2,791	3	9,245
Gold Content ..	F.oz.	84,436	87,739	636	-	20,500	-	-	3,474	-	24,610
Silver Content ..	"	663,367	757,334	16,700	-	37,574	-	-	192,477	-	246,751
Lead Content ..	Ton	1,098	1,744	-	-	-	-	-	681	-	681
Zinc Content ..	"	-	869	-	-	-	-	-	251	-	251
<u>GOLD ORE AND CONCENTRATE</u>	"	1,057	(e)519	23	9	-	-	(f)	-	-	(e)32
Gold Content ..	F.oz.	2,660	1,316	98	68	-	-	(f)	-	-	(e)166
Silver Content ..	"	2,514	1,010	71	87	-	-	(f)	-	-	(e)158
Copper Content ..	Ton	1	1	(g)	-	-	-	-	-	-	(g)
<u>GOLD MATTE, SLAG, ETC. (h)</u>	"	33	-	-	-	-	-	-	-	-	-
Gold Content ..	F.oz.	601	-	-	-	-	-	-	-	-	-
Silver Content ..	"	966	-	-	-	-	-	-	-	-	-
Copper Content ..	Ton	(g)	-	-	-	-	-	-	-	-	-

See footnotes on page 14.

TABLE 4 - QUANTITIES AND CONTENTS (OR GRADE) OF MINERALS PRODUCED : AUSTRALIA, YEARS 1952 AND 1953,
STATES AND AUSTRALIA, QUARTER ENDED 31ST DECEMBER, 1953 (CONTINUED)

Mineral	Unit of Qty.	Australia		Quarter ended 31st December, 1953								
		1952	1953 (a)	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA	
METALLIC MINERALS (CONTINUED)												
<u>GOLD - OTHER FORMS (i)</u>	os.	(j)	(j)	4,283	19,016	(j)	(j)	(j)	(j)	(j)	(j)	(j)
Gold Content ..	F.oz.	881,625	972,595	4,012	15,142	4,481	54	221,970	20	14,423	260,102	
Silver Content ..	"	214,894	241,003	92	1,398	1,787	-	54,607	-	-	57,884	
<u>ILMENITE CONCENTRATE</u>	Ton	31	-	-	-	-	-	-	-	-	-	
Ilmenite Content ..	"	27	-	-	-	-	-	-	-	-	-	
<u>IRON ORE</u>	"	2,907,754	3,298,718	-	-	-	-	622,948	131,299	-	754,247	
Iron Content ..	"	(c)1,883,087	(c)2,132,086	-	-	-	(d)404,915	84,069	-	-	(c)488,984	
For Gas Purification ..	"	12,835	5,287	953	-	-	-	-	-	-	953	
For Fluxing and Other Purposes ..	"	2,314	3,796	-	-	-	-	-	-	-	953	
<u>LEAD ORE, CONCENTRATES ETC. (k)</u>	"	387,250	426,171	74,742	-	26,102	-	(b)549	1,577	-	1,577	
Lead Content ..	"	223,197	262,352	52,547	-	8,815	-	331	3,192	-	104,585	
Silver Content ..	F.oz.	10,029,266	10,762,330	1,855,170	-	645,590	-	5,377	1,905	-	63,598	
Gold Content ..	"	7,912	9,476	1,705	-	-	-	-	127,477	-	2,633,614	
Antimony Content ..	Ton	504	578	129	-	-	-	-	496	-	2,201	
Copper Content ..	"	2,164	2,970	484	-	123	-	-	-	-	129	
Cadmium Content ..	"	48	61	15	-	-	-	-	20	-	627	
Zinc Content ..	"	47	1,436	-	-	-	-	-	-	-	15	
<u>MANGANESE ORE</u>	"	-	-	-	-	-	-	37	376	-	413	
Metallurgical Grade ..	"	6,026	17,339	(b)285	-	-	-	8,573	-	-	8,858	
Manganese Content ..	"	2,761	7,508	134	-	-	-	3,711	-	-	3,845	
Battery Grade ..	"	573	1,206	(b)265	-	-	-	-	-	-	265	
MnO ₂ Content ..	"	422	938	200	-	-	-	-	-	-	200	
Other Grades ..	"	470	237	(b)100	-	-	-	-	-	-	100	
MnO ₂ Content ..	"	333	166	63	-	-	-	-	-	-	63	
<u>MOLYBDENITE CONCENTRATE</u>	lb.	283	1,344	-	-	1,008	-	-	-	-	1,008	
MoS ₂ Content ..	"	256	(a)1,180	-	-	(d)880	-	-	-	-	(a)880	
<u>MONAZITE CONCENTRATE</u>	Ton	88	197	(b)14	-	80	-	-	-	-	94	
Monazite Content ..	"	81	(c)183	13	-	(d)76	-	-	-	-	(a)89	
<u>OSMIRIDIUM - NATIVE</u>	os.	51	59	-	-	-	-	-	12	-	12	

See footnotes on page 14.

TABLE 4 - QUANTITIES AND CONTENTS (OR GRADE) OF MINERALS PRODUCED : AUSTRALIA, YEARS 1952 AND 1953,
STATES AND AUSTRALIA, QUARTER ENDED 31ST DECEMBER, 1953 (CONTINUED)

Mineral	Unit of Quantity	Australia		Quarter ended 31st December, 1953							
		1952	1953(a)	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA
METALLIC MINERALS (CONTINUED)											
<u>PYRITIC ORE AND CONCENTRATE</u>											
Sulphur Content ..	Ton	198,783	165,401	6,214	-	12,050	-	(b)13,518	17,612	-	49,394
<u>RUTILE CONCENTRATE</u>											
TiO ₂ Content ..	"	93,491	77,129	3,155	-	5,797	-	(1) 5,891	8,629	-	23,472
	"	38,014	(e)35,669	(j)	-	3,795	-	-	-	-	(e) 3,795
	"	36,861	(e)34,575	(j)	-	3,659	-	-	-	-	(e) 3,659
<u>SILVER ORE (n)</u>											
Silver Content ..	"	181	(g)	-	-	-	-	-	-	-	-
Gold Content ..	F.oz.	10,255	8,160	-	-	-	-	-	-	-	-
	"	1	-	-	-	-	-	-	-	-	-
<u>TANTALITE - COLUMBITE</u>											
<u>CONCENTRATE</u>											
Ta ₂ O ₅ + Nb ₂ O ₅ Content ..	lb.	16,108	18,124	-	-	-	-	(b) 1,150	-	-	1,150
	"	11,096	13,304	-	-	-	-	879	-	-	879
<u>TIN CONCENTRATE</u>											
Tin Content ..	Ton	2,318	2,134	113	9	171	-	29	267	8	597
Gold Content ..	"	1,610	(c)1,494	78	7	(d)122	-	20	189	5	(c)421
WO ₃ Content ..	F.oz.	337	416	-	-	-	-	-	79	-	79
	Ton	7	3	3	-	-	-	-	-	-	3
<u>TUNGSTEN CONCENTRATES</u>											
Scheelite Concentrate ..	"	989	1,187	(b)(n)21	-	1	-	-	247	-	269
WO ₃ Content ..	"	602	728	14	-	1	-	-	156	-	171
Wolfram Concentrate ..	"	1,035	944	(b) 5	-	56	-	-	98	39	198
WO ₃ Content ..	"	672	634	3	-	37	-	-	69	25	134

See footnotes on page 14.

TABLE 4 - QUANTITIES AND CONTENTS (OR GRADE) OF MINERALS PRODUCED : AUSTRALIA, YEARS 1952 AND 1953,
STATES AND AUSTRALIA, QUARTER ENDED 31ST DECEMBER, 1953 (CONTINUED)

Mineral	Unit of Quantity	Australia		Quarter ended 31st December, 1953							AUSTRALIA	
		1952	1953(a)	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.		
METALLIC MINERALS (CONTINUED)												
<u>ZINC ORE AND CONCENTRATE</u>	..	Ton	376,904	453,986	88,826	-	9,870	-	-	14,328	-	113,024
Zinc Content	"	196,403	236,765	46,518	-	5,047	-	-	7,938	-	59,503
Lead Content	"	3,901	5,200	908	-	-	-	-	401	-	1,309
Silver Content	F.oz.	356,920	479,048	86,837	-	-	-	-	39,402	-	126,239
Gold Content	"	2,740	3,538	473	-	-	-	-	480	-	953
Copper Content	Ton	289	538	103	-	-	-	-	40	-	143
Sulphur Content	"	119,515	(c)141,969	27,942	-	(d)1,615	-	-	(d)4,585	-	(c)34,142
Cadmium Content	"	586	744	158	-	-	-	-	20	-	178
Cobalt Content	"	54	70	17	-	-	-	-	-	-	17
Manganese Content	"	3,452	4,108	987	-	-	-	-	-	-	987
<u>ZIRCON CONCENTRATE</u>	..	"	27,696	(e)23,780	(j)	-	2,519	-	-	-	-	(e)2,519
Zircon Content	"	27,371	(e)23,576	(i)	-	2,504	-	-	-	-	(e)2,504
FUEL MINERALS												
<u>COAL BLACK</u>												
Semi Anthracite	Ton	84,807	83,745	-	-	20,205	-	-	272	-	20,477
Bituminous	"	17,711,361	16,792,104	3,634,213	39,078	547,647	-	-	55,506	-	4,276,444
Sub-Bituminous	"	1,608,930	1,565,018	4,439	-	57,511	121,446	251,943	-	-	435,339
<u>Total Black Coal</u>			19,405,098	18,440,867	3,638,652	39,078	625,363	121,446	251,943	55,778	-	4,732,260
<u>COAL, BROWN (inc. Lignite)</u>	..	"	8,103,764	8,257,299	-	2,108,773	-	-	-	-	-	2,108,773
<u>OIL (PETROLEUM) - Crude</u>	..	Gal.	-	-	-	-	-	-	-	-	-	-
<u>SHALE - OIL BEARING</u>	..	Ton	21,661	-	-	-	-	-	-	-	-	-
Crude Oil Content	Gal.	1,568,013	-	-	-	-	-	-	-	-	-
NON-METALLIC MINERALS (e)												
<u>ALUNITE</u>												
Potash Content	Ton	314	-	-	-	-	-	-	-	-	-
<u>ASBESTOS</u>												
Chrysotile - Fibre	..	"	1,118	1,174	128	-	-	-	(b)171	-	-	299
Finest	..	"										
Crocidolite - Fibres	..	"	2,940	3,795	-	-	-	-	(b)890	-	-	890

See footnotes on page 14.

TABLE 4 - QUANTITIES AND CONTENTS (OR GRADE) OF MINERALS PRODUCED : AUSTRALIA, YEARS 1952 AND 1953,
STATES AND AUSTRALIA, QUARTER ENDED 31ST DECEMBER, 1953 (CONTINUED)

Mineral	Unit of Qty.	Australia										
		1952	1953(a)	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA	
NON-METALLIC MINERALS (c) (Continued)												
<u>BARITE</u>	..	Ton	4,944	5,476	556	-	-	(b)1,055	(b)75	-	-	1,686
<u>CLAYS</u>												
Bentonite	..	"	586	219	-	-	-	-	113	-	-	113
Bentonitic Clay	..	"	349	48	-	-	-	-	-	-	-	-
Brick Clay and Shale	..	"	2,671,420	(d)3,002,855	(a)367,275	(d)200,000	(d)46,000	(d)77,555	(d)95,000	(d)16,000	-	(d)801,830
Cement Clay and Shale	..	"	(d)106,472	29,670	(j)	(j)	(j)	(j)	(j)	(j)	-	(j)
Damouritic Clay	..	"	461	(p)	-	-	-	(p)	-	-	-	(p)
Fireclay n.e.i.	..	"	(d)110,106	(e)55,777	(j)	9,467	(j)	(j)	2,104	(j)	-	(e)11,571
Fuller's Earth	..	"	110	(e)31	-	(j)	(j)	(j)	(j)	-	-	(j)
Kaolin	..	"	35,277	(e)16,657	n.a.	1,133	(j)	(j)	(j)	1,939	-	(e)3,072
Stoneware Clay	..	"	(d)102,804	(j)	(j)	(j)	(j)	(j)	(j)	(j)	-	(j)
Tile Clay	..	"	(d)124,276	(j)	(j)	(j)	(j)	(j)	(j)	(j)	-	(j)
Other	..	"	(d)9,018	(e)319,162	-	72,459	(j)	(j)	(j)	(j)	-	(e)72,459
<u>CORUNDUM</u>		"	54	-	-	-	-	-	-	-	-	-
<u>CUPREOUS ORE AND CONCENTRATE</u>												
- For Fertilizer	..	"	2,047	1,959	-	-	-	-	(b)335	-	-	335
Average Grade	..	%										
		Copper	12	9	-	-	-	-	7	-	-	7
<u>DIAMONDS, INDUSTRIAL</u>	..	carat	49	716	91	-	-	-	-	-	-	91
<u>DIATOMITE</u>	..	Ton	6,366	2,837	541	71	-	-	-	-	-	612
<u>DOLOMITE</u>	..	"	96,464	92,813	1,141	-	-	(p)	-	(p)	-	21,481
<u>FELSPAR</u> (inc. Cornish Stone)	..	"	13,590	6,775	1,272	-	-	(b)82	(b)490	-	-	1,844
<u>FLUORITE</u>	..	"	86	303	-	-	-	-	-	-	-	-
Average Grade	..	% CaF2	(b)85	(b)85	-	-	-	-	-	-	-	-
<u>GEMS</u>												
Opal	..	Value										
Sapphire	..	only	(e)65,138	(e)76,460	(j)	-	(j)	(j)	-	-	-	(j)
Other	..	(£)										
<u>GRAPHITE</u>												
Flake	..	Ton	(1)	2	-	-	-	-	-	-	-	-
Average Grade	..	%Carb.	(1)	80	-	-	-	-	-	-	-	-
Amorphous	..	Ton	80	13	-	-	-	-	-	8	-	8
Average Grade	..	%Carb.	(d)40	(j)	-	-	-	-	-	(j)	-	(j)

See footnotes on page 14.

TABLE 4 : QUANTITIES AND CONTENTS (OR GRADE) OF MINERALS PRODUCED : AUSTRALIA, YEARS 1952 AND 1953,
STATES AND AUSTRALIA, QUARTER ENDED 31ST DECEMBER, 1953 (CONTINUED)

Mineral	Unit of Qty.	Australia		Quarter ended 31st December, 1953							
		1952	1953 (a)	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA
NON-METALLIC MINERALS (o) (CONTINUED)											
GREENSAND ..	Ton	1,380	1,917	-	-	-	-	480	-	-	480
Glauconite Content ..	"	230	320	-	-	-	-	80	-	-	80
GYPSUM ..	"	351,678	(q)327,204	(r)17,465	10,757	-	(b)40,615	(b)9,359	-	-	78,196
LIMESTONE (inc. Shell and Coral)	"	(e)2,720,730	(e)3,020,584	341,271	146,636	5,840	(b)277,012	(j)50,347	-	-	(e)821,106
(e)	"										
MAGNESITE	"										
Crude ..	"	42,137	45,335	9,435	-	-	(p)	(p)	-	-	9,454
MICA	"										
Muscovite - Trimmed ..	lb.	} 71,929	} 72,227	}	}	}	}	}	}	}	}
Crude and Film ..	"										
Scrap ..	"										
MINERAL PIGMENTS											
Red Ochre ..	Ton	335	419	33	-	-	-	(b)131	6	-	170
Yellow Ochre ..	"	357	147	-	-	-	-	21	-	-	21
Other ..	"	12	26	-	-	-	-	-	-	-	-
PEBBLES, for grinding ..	"	513	(p)	-	-	-	-	-	-	-	(p)
PHOSPHATE ROCK ..	"	5,544	(p)	(j)	-	-	(p)	-	-	-	(p)
PYROPHYLLITE ..	"	285	-	-	-	-	(p)	-	-	-	(p)
QUARTZ CRYSTALS ..	lb.	14	(j)	(j)	-	-	-	-	-	-	(j)
SALT ..	Ton	(e)203,486	239,285	-	-	-	130,704	-	-	-	130,704
SERPENTINE - for refractories	"	175	395	129	-	-	-	-	-	-	129
SILICA (Glass, Chemical etc.)	"	(e)137,134	(e)45,144	(e)2,054	-	-	13,851	(b)1,804	1,859	-	(e)19,568
SILLIMANITE ..	"	1,333	3,558	815	-	-	(b)612	-	-	-	1,427
SLATE (r) ..	"	136	291	46	-	-	-	-	-	-	46
TALC (inc. Steatite) ..	"	7,320	9,893	151	-	-	(b)2,264	(b)685	-	-	3,100

See footnotes on page 14.

TABLE 4 - QUANTITIES AND CONTENTS (OR GRADE) OF MINERALS PRODUCED : AUSTRALIA, YEARS 1952 AND 1953,
STATES AND AUSTRALIA, QUARTER ENDED 31ST DECEMBER, 1953 (CONTINUED)

Mineral	Unit of Quantity	Australia		Quarter ended 31st December, 1953							
		1952	1953(a)	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA
<u>NON-METALLIC MINERALS (a) (CONTINUED)</u>											
VERMICULITE	Ton	62	29	-	-	-	-	-	-	-	-
ZINCIFEROUS ORE - For Fertilizer	"	-	10	-	-	-	-	-	-	-	-
Average Grade	% Zn.	-	10	-	-	-	-	-	-	-	-

FOOTNOTES:-

- (a) Includes revisions made since previous publication, for nine months ended 30th September.
- (b) Despatches from the mine (or sales) as distinct from production.
- (c) Partly estimated.
- (d) Estimated.
- (e) Incomplete.
- (f) Included with "Gold, Other Forms".
- (g) Less than half the unit of quantity shown.
- (h) Includes Gold Classifier Sands.
- (i) Bullion, alluvial gold, retorted gold, etc.
- (j) Not available.
- (k) Includes lead slag.
- (l) Actual recoveries.
- (m) Includes Silver Sludge and Silver Bullion.
- (n) Includes Scheelite - Wolfram Concentrate.
- (o) Excludes construction materials (sand, gravel, building stone etc.) complete particulars of which are not available.
- (p) Not available for publication.
- (q) Includes 15,221 tons of washed gypsum.
- (r) Includes 1,188 tons of washed gypsum.
- (s) Excludes quantities used directly as a building or road material.

TABLE 5 : PRINCIPAL CONTENTS OF METALLIC MINERALS PRODUCED : AUSTRALIA, YEARS 1952 AND 1953,
STATES AND AUSTRALIA, QUARTER ENDED 31ST DECEMBER, 1953.

Mineral in which contained	Contents of Metallic Minerals Produced									
	Australia		Quarter ended 31st December, 1953							
	1952	1953(a)	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA
<u>ANTIMONY (Tons)</u>										
Antimony Ore and Concentrate ..	239	215	12	2	8	-	120	-	-	142
Lead Ore and Concentrate ..	504	578	129	-	-	-	-	-	-	129
Total: ..	743	793	141	2	8	-	120	-	-	271
<u>BISMUTH (lbs)</u>										
Bismuth Concentrate ..	3,152	321	174	-	-	-	-	-	-	174
<u>CADMIUM (Tons)</u>										
Zinc Concentrate ..	586	744	158	-	-	-	-	20	-	178
Other Minerals ..	48	62	15	-	-	-	-	-	-	15
Total: ..	634	806	173	-	-	-	-	20	-	193
<u>COBALT (Tons)</u>										
Zinc Concentrate ..	54	70	17	-	-	-	-	-	-	17
<u>COPPER (Tons)</u>										
Copper Ore, Concentrate etc. ..	16,126	33,855	222	-	6,229	-	-	2,791	3	9,245
Lead Ore and Concentrate ..	2,163	2,970	484	-	123	-	-	20	-	627
Other Minerals ..	290	539	103	-	-	-	-	40	-	143
Total: ..	18,579	37,364	809	-	6,352	-	-	2,851	3	10,015
<u>GOLD (F.o.b.)</u>										
Copper Ore, Concentrate, etc. ..	84,436	87,739	636	-	20,500	-	-	3,474	-	24,610
Gold Ore, Concentrate, Bullion etc. ..	884,886	973,911	4,110	15,210	4,481	54	221,970	20	14,423	260,268
Lead Ore and Concentrate ..	7,912	9,476	1,705	-	-	-	-	496	-	2,201
Other Minerals ..	3,201	3,954	473	-	-	-	-	559	-	1,032
Total: ..	980,435	1,075,080	6,924	15,210	24,981	54	221,970	4,549	14,423	288,111

See footnotes on page 17.

TABLE 5 : PRINCIPAL CONTENTS OF METALLIC MINERALS PRODUCED (Continued)

Minerals in which contained	Contents of Metallic Minerals Produced									
	Australia		Quarter ended 31st December, 1953							AUSTRALIA
	1952	1953(a)	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	
IRON (Tons)										
Iron Ore	(b)1,883,087	(b)2,132,086	-	-	-	(c)404,915	84,069	-	-	(b)488,984
LEAD (Tons)										
Copper Ore, Concentrate, etc.	1,098	1,744	-	-	-	-	-	681	-	681
Lead Ore, Concentrate, etc.	223,197	262,352	52,547	-	8,815	-	331	1,905	-	63,598
Zinc Concentrate ..	3,901	5,200	908	-	-	-	-	401	-	1,309
Total:	228,196	269,296	53,455	-	8,815	-	331	2,987	-	65,588
SILVER (F.oz.)										
Copper Ore, Concentrate, etc.	663,367	757,334	16,700	-	37,574	-	-	192,477	-	246,751
Gold Ore, Concentrate, Bullion etc.	218,374	242,013	163	1,485	1,787	-	54,607	-	-	58,042
Lead Ore, Concentrate, etc.	10,029,266	10,762,330	1,855,170	-	645,590	-	5,377	127,477	-	2,633,614
Silver Ore	10,255	8,160	-	-	-	-	-	-	-	-
Zinc Ore and Concentrate ..	356,920	479,048	86,837	-	-	-	-	39,402	-	126,239
Total:	11,278,182	12,248,894	1,958,870	1,485	684,951	-	59,984	359,356	-	3,064,646
SULPHUR (d)(Tons)										
Pyritic Ore and Concentrate	93,491	77,129	3,155	-	5,797	-	(e)5,891	8,629	-	23,472
Zinc Concentrate ..	(b)119,515	(b)141,959	27,942	-	(c)1,615	-	-	(c)4,585	-	(b)34,142
Total:	213,006	219,098	31,097	-	7,412	-	5,891	13,214	-	57,614
TIN (Tons)										
Tin Concentrate ..	1,610	1,494	78	7	122	-	20	189	5	421
TUNGSTEN (Tons : in Terms of WO₃)										
Bismuth Concentrate ..	1	1	-	-	-	-	-	-	-	-
Scheelite Concentrate ..	602	728	14	-	1	-	-	156	-	171
Tin Concentrate ..	7	3	3	-	-	-	-	-	-	3
Wolfram Concentrate ..	672	634	3	-	37	-	-	69	25	134
Total:	1,282	1,366	20	-	38	-	-	225	25	308

See footnotes on page 17.

TABLE 5 : PRINCIPAL CONTENTS OF METALLIC MINERALS PRODUCED (Continued)

Minerals in which contained	Contents of Metallic Minerals Produced									
	Australia		Quarter ended 31st December, 1953							
	1952	1953(a)	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA
	<u>ZINC (Tons)</u>									
Zinc Ore and Concentrate ..	196,403	237,016	46,518	-	5,047	-	-	8,189	-	59,754
Other Minerals	47	2,053	-	-	-	-	37	376	-	413
Total:	196,450	239,069	46,518	-	5,047	-	37	8,565	-	60,167

- (a) Revisions made since previous publication, for nine months ended 30th September.
- (b) Partly Estimated.
- (c) Estimated.
- (d) For particulars of sulphur from Spent Oxide recovered in acid manufacture see Table 9.
- (e) Actual recoveries.

TABLE 6 : SMELTER AND REFINERY PRODUCTION OF METALS : AUSTRALIA, YEARS
1939, 1950, 1951, 1952 AND 1953

(Note: Particulars shown in the table exclude secondary recovery of metal (i.e. from scrap) unless otherwise stated).

Period	Gold (Refined)			Silver (Refined) (a)	Copper (Refined) (b)	Zinc (Refined) (c)
	Australian Origin	Overseas Origin	Total			
	Fine oz.	Fine oz.	Fine oz.	Fine oz.	Tons	Tons
Year ended 31st December -						
1939 ..	(d)1,637,031	(d)384,223	(d)2,021,254	9,552,411	17,867	71,220
1950 ..	844,161	177,080	1,021,241	6,882,028	13,231	83,652
1951 ..	850,236	179,344	1,029,580	6,878,832	13,543	77,010
1952 -						
Month of January	71,165	22,124	93,289	551,132	1,659	7,296
" " February	69,109	25,242	94,351	550,257	733	6,844
" " March	77,535	13,555	91,090	527,547	2,250	7,393
Quarter ended 31st March	217,809	60,921	278,730	1,628,936	4,642	21,533
Month of April	71,517	10,318	81,835	492,386	1,184	7,429
" " May	73,516	29,600	103,116	591,654	1,446	7,729
" " June	73,114	21,432	94,546	440,691	2,626	7,225
Quarter ended 30th June	218,147	61,350	279,497	1,524,731	5,256	22,383
Month of July	86,014	17,271	103,285	438,029	821	7,269
" " August	83,562	27,656	111,218	765,432	1,818	7,315
" " September	125,271	22,731	148,002	591,424	1,733	7,072
Quarter ended 30th September	294,847	67,658	362,505	1,794,885	4,372	21,656
Month of October	85,065	21,729	106,794	737,118	2,381	7,338
" " November	82,591	26,653	109,244	609,631	2,333	7,116
" " December	80,497	23,523	104,020	477,323	639	7,412
Quarter ended 31st December Year: 1952	248,153	71,905	320,058	1,824,072	5,353	21,866
1953 -	978,956	261,834	1,240,790	6,772,624	(e)19,623	87,438
Month of January	(f)83,847	(f)21,792	(f)105,639	(f)75,047	(f)493	7,368
" " February	78,602	19,963	98,565	288,943	1,520	6,714
" " March	86,168	20,401	106,569	522,334	1,179	7,424
Quarter ended 31st March	248,617	62,156	310,773	886,324	3,192	21,506
Month of April	80,509	23,147	103,656	561,084	1,793	7,110
" " May	85,223	16,253	101,476	783,943	830	7,285
" " June	87,680	14,230	101,910	576,640	2,466	6,754
Quarter ended 30th June	253,412	53,630	307,042	1,921,667	5,039	21,449
Month of July	89,565	16,596	106,161	605,136	237	7,070
" " August	126,301	15,504	141,805	649,347	239	7,445
" " September	82,435	16,970	99,405	568,293	729	7,403
Quarter ended 30th September	298,301	49,070	347,371	1,822,776	1,205	21,918
Month of October	86,914	16,034	102,948	822,832	1,766	8,394
" " November	84,918	13,287	98,205	492,602	2,489	8,405
" " December	80,617	8,228	88,845	726,278	938	8,806
Quarter ended 31st December Year: 1953	252,449	37,549	289,998	2,041,712	5,193	25,605
	1,052,779	202,405	1,255,184	6,672,479	14,679	90,178

(a) Includes small quantities recovered from imported materials. (b) Excludes quantities refined from imported blister copper. (c) Includes zinc dust produced for sale and for use in zinc refining plant. (d) Year ended 31st December, 1940. (e) Includes small quantity recovered from scrap. (f) Subject to revision. (g) Revised since previously published.

TABLE 6 : SMELTER AND REFINERY PRODUCTION OF METALS : AUSTRALIA (CONT'D.)

(Note: Particulars shown in the table exclude secondary recovery of metal (i.e. from scrap) unless otherwise stated).

Period	Tin (Refined)	Lead (Refined)	Lead Content of Lead Bullion (a)	Iron (Pig)	Steel (Ingot)
	Tons	Tons	Tons	Tons	Tons
Year ended 31st Dec.-					
1939 ..	3,294	(b)199,437	43,955	(c)1,104,605	(c)1,170,103
1950 ..	2,014	160,526	37,021	1,313,457	1,455,940
1951 ..	1,459	165,758	31,872	1,325,145	1,462,751
1952					
Month of January	149	13,187	3,054	128,838	139,421
" " February	86	11,287	3,103	118,467	127,932
" " March	105	11,220	2,994	130,879	136,919
Quarter ended 31st March	340	35,694	9,151	378,184	404,272
Month of April	189	12,103	3,188	122,650	117,497
" " May	72	14,564	3,063	99,633	91,611
" " June	204	7,086	3,302	93,035	99,690
Quarter ended 30th June	465	33,753	9,553	315,318	308,798
Month of July	213	15,434	3,287	122,251	147,216
" " August	107	16,546	2,994	133,245	153,121
" " September	123	15,195	3,212	150,360	152,143
Quarter ended 30th September	443	47,175	9,493	405,876	452,480
Month of October	193	15,017	3,396	157,766	166,002
" " November	103	15,369	3,068	144,232	154,507
" " December	155	9,631	3,048	140,687	152,358
Quarter ended 31st December	451	40,017	9,512	442,685	472,867
Year : 1952	1,699	156,639	37,709	1,542,063	1,638,417
1953 -	(d)	(d)(e)	(d)(e)	(d)	(d)
Month of January	126	-	3,202	134,341	157,116
" " February	117	5,116	2,880	133,874	145,132
" " March	119	16,124	3,168	164,923	164,749
Quarter ended 31st March	362	21,240	9,250	433,138	466,997
Month of April	99	15,675	3,039	158,235	158,810
" " May	74	16,089	1,956	146,076	172,375
" " June	126	15,449	3,461	151,935	171,714
Quarter ended 30th June	299	47,213	8,456	456,246	502,899
Month of July	168	18,824	2,766	156,340	184,808
" " August	118	17,316	2,746	158,254	186,907
" " September	116	16,995	2,939	151,469	171,014
Quarter ended 30th September	402	53,135	8,451	466,083	542,729
Month of October	117	18,495	2,761	162,460	187,818
" " November	130	13,756	2,631	157,267	181,684
" " December	133	18,629	2,501	161,680	167,110
Quarter ended 31st December	380	50,880	7,893	481,407	536,612
Year : 1953	1,443	172,468	34,050	1,836,854	2,049,237

(a) Exported as Lead Bullion; Lead Content 99.3%. (b) Includes small quantities recovered from scrap. (c) Year ended 31st May, 1939. (d) Subject to revision. (e) Revised since previously published.

TABLE 7 - IMPORTS (CLEARED FOR HOME CONSUMPTION) OF MINERALS, MINERAL PRODUCTS AND METALS, FROM PRINCIPAL COUNTRIES OF ORIGIN : AUSTRALIA, QUARTER AND YEAR ENDED 31ST DECEMBER, 1953.

Item and Country of Origin	Quarter ended 31st December, 1953		Year ended 31st December, 1953	
	Quantity	Value (£A)	Quantity	Value (£A)
METALLIC GROUP				
Aluminium:-				
Ingot (Refined)				
Canada	579	123,126	3,499	710,664
Other	1,109	235,501	4,025	843,682
Total:	1,688	358,627	7,524	1,554,346
Rods, Bars, etc.				
United Kingdom	41	14,443	203	89,497
Other	(a)	40	1	769
Total:	41	14,483	204	90,266
Plates, Sheets, etc.				
United Kingdom	668	314,231	2,542	1,068,582
Other	16	14,306	116	67,815
Total:	684	328,537	2,658	1,136,397
Scrap (including remelt)	-	-	2	36
Antimony:-				
Ores and Concentrates				
South Africa	103	12,059	528	57,729
Other	-	-	70	7,074
Total:	103	12,059	598	64,803
Metal				
United Kingdom	6	1,776	15	4,433
Arsenic:-				
Trioxide				
Sweden	173	11,307	797	55,440
Other	385	18,298	1,348	69,749
Total:	558	29,605	2,145	125,189
Bismuth:-				
Metal				
United Kingdom	8,976	9,249	36,504	38,786
Other	-	-	5	15
Total:	8,976	9,249	36,509	38,801
Chromium:-				
Ores and Concentrates				
New Caledonia	-	-	2,583	43,897
Other	(a)	4	1,497	17,482
Total:	(a)	4	4,080	61,379
Copper:-				
Ores and Concentrates				
.. .. .	-	-	19	364

(a) Less than half the unit of quantity shown.

Note - Values in Australian currency f.o.b. Port of Shipment.

TABLE 7 : IMPORTS (CLEARED FOR HOME CONSUMPTION) OF MINERALS,
MINERAL PRODUCTS AND METALS (Continued)

Item and Country of Origin	Quarter ended		Year ended	
	31st December, 1953		31st December, 1953	
	Quantity	Value (£A)	Quantity	Value (£A)
METALLIC GROUP (Cont'd.)				
COPPER (Cont'd.)	Tons		Tons	
Blister (a) ..	-	-	-	-
Pigs, Ingots, etc. (Refined) ..	-	-	-	-
Belgian Congo ..	-	-	1,500	520,564
Other ..	90	27,406	166	53,959
Total:	90	27,406	1,666	574,523
Bars, Rods, etc.				
Belgium ..	-	-	50	18,806
Other ..	75	23,372	777	273,167
Total:	75	23,372	827	291,973
Plates, Sheets, etc.				
United Kingdom ..	277	107,243	861	350,791
Other ..	(b)	333	(b)	411
Total:	277	107,576	861	351,202
Pipes, Tubes, etc.				
United Kingdom ..	(b)	164	33	22,122
Other ..	4	2,140	41	34,927
Total:	4	2,304	74	57,049
Scrap (including remelt) ..	4	366	7	683
	Fine oz.		Fine oz.	
Gold:-				
Refined Ingot or Bar ..	-	-	-	-
Refined or Standard Sheet, Strip, Dust etc. ..	-	-	-	-
Unrefined gold or silver bullion (gold content)				
New Guinea ..	7,920	122,773	83,315	1,290,105
New Zealand ..	1,855	29,492	17,143	270,388
Other ..	9,356	149,848	57,908	941,364
Total:	19,131	302,113	158,366	2,501,857
	Tons		Tons	
Iron and Steel:-				
Ore ..	(b)	22	1	122
Pig ..	-	-	-	-
Ferromanganese				
United Kingdom ..	11	3,307	66	14,537
Other ..	40	7,276	45	7,869
Total:	51	10,583	111	22,406
Ingots and Billets (high grade carbon and alloy steels)				
United Kingdom ..	7	3,327	19	11,234
Other ..	-	-	2	1,090
Total:	7	3,327	21	12,324

(a) Prior to 1st July, 1953 included with Pigs, Ingots etc. (Refined)

(b) Less than half the unit of quantity shown.

Note - Values in Australian currency f.o.b. Port of Shipment.

TABLE 7 : IMPORTS (CLEARED FOR HOME CONSUMPTION) OF MINERALS,
MINERAL PRODUCTS AND METALS (Continued)

Item and Country of Origin	Quarter ended		Year ended	
	31st December, 1953		31st December, 1953.	
	Quantity	Value (£A)	Quantity	Value (£A)
METALLIC GROUP (Cont'd.)				
Iron and Steel (Cont'd.)	Tons		Tons	
Ingots and Billets (other)				
United Kingdom	13	3,382	207	23,434
Other	-	-	(a)	17
Total:	13	3,382	207	23,451
Bars and Rods (stainless)				
United Kingdom	101	35,967	599	131,976
Other	1	345	125	26,945
Total:	102	36,312	724	158,921
Bars and Rods (other)				
United Kingdom	956	168,516	6,156	854,997
Belgium	91	4,863	652	47,214
France	-	-	9	2,723
Germany (Fed. Republic of)	1	595	847	83,574
Other	103	41,189	767	214,884
Total:	1,151	215,163	8,431	1,203,392
Terne Plates and Sheets				
United States of America ..	-	-	69	6,061
United Kingdom	2	322	92	8,585
Total:	2	322	161	14,646
Tinplate (other)				
United Kingdom	12,279	1,107,714	57,148	5,612,435
United States of America ..	243	24,338	25,644	2,639,670
Other	-	-	5	144
Total:	12,522	1,132,052	82,797	8,252,249
Lead:-				
Pigs, Ingots etc. (Refined)	-	-	-	-
Manganese:-				
Ore - Metallurgical	50	829	137	2,053
- Battery Grade	25	301	1,094	18,050
	1b.		1b.	
Mercury:-				
Italy	3,801	4,197	9,616	9,891
Spain	16,713	18,365	35,890	40,094
Other	44	78	271	390
Total:	20,558	22,640	45,777	50,375
	Tons		Tons	
Nickel:-				
Pigs, Ingots, etc.				
United Kingdom	149	90,013	604	360,684
Other	10	6,319	28	16,775
Total:	159	96,332	632	377,459

(a) Less than half a ton.

Note - Values in Australian currency f.o.b. Port of Shipment

TABLE 7 - IMPORTS (CLEARED FOR HOME CONSUMPTION) OF MINERALS,
MINERAL PRODUCTS AND METALS (Continued)

Item and Country of Origin	Quarter ended		Year ended	
	31st December, 1953		31st December, 1953	
	Quantity	Value (£A)	Quantity	Value (£A)
METALLIC GROUP (Cont'd.)				
Nickel:- (Cont'd)				
Bars, Rods, etc.	Tons		Tons	
United Kingdom	3	3,409	18	20,166
United States of America	1	806	1	832
Total:	4	4,215	19	20,998
Platinum:-	oz.		oz.	
Blocks, etc.	(a)25	(a)809	(a)246	(a)7,973
United Kingdom				
Other Platinum Group Metals				
United Kingdom	405	5,154	1,484	15,895
Silver:-	Fine oz.		Fine oz.	
Refined Ingot or Bar	-	-	-	-
Refined or Standard Sheet, Dust, etc.	101	52	101	52
Unrefined Silver or Gold Bullion (Silver Content)				
New Guinea	3,864	1,423	37,360	13,739
New Zealand	171	60	5,527	1,995
Other	3,068	1,162	20,236	7,646
Total:	7,103	2,645	63,123	23,380
Tin:-	Tons		Tons	
Ingot				
United Kingdom	7	5,849	7	5,849
Malaya	235	177,850	616	549,691
Total:	242	183,699	623	555,540
Titanium Oxide:-				
United Kingdom	719	118,455	2,165	362,598
Other	1,830	373,583	2,651	523,527
Total:	2,549	492,038	4,816	886,125
Zinc:-				
Blocks, Ingots	-	-	-	-
FUEL GROUP				
Coal:	Tons		Tons	
United Kingdom	9	168	3,182	26,706
India	-	-	17,013	56,409
South Africa	2,000	8,805	2,000	8,811
Other	-	-	5	47
Total:	2,009	8,973	22,200	91,973
Petroleum and Shale Oils:-	'000 gals		'000 gals	
Crude	64,003	2,061,098	240,139	7,985,163
Aviation, Motor and other Spirits	172,160	10,305,178	646,874	39,138,763
Residual Oil	101,257	3,365,313	335,101	10,754,221
Other	62,092	3,676,881	265,271	15,375,387
Total:	399,512	19,408,470	1,487,385	73,253,534

(a) Incomplete.

Note: Values in Australian currency f.o.b. Port of Shipment.

TABLE 7 : IMPORTS (CLEARED FOR HOME CONSUMPTION) OF MINERALS,
MINERAL PRODUCTS AND METALS (Continued)

Item and Country of Origin	Quarter ended		Year ended	
	31st December, 1953		31st December, 1953.	
	Quantity	Value (£A)	Quantity	Value (£A)
NON-METALLIC GROUP				
Asbestos:-	Tons		Tons	
Chrysotile				
Canada	5,273	408,067	15,767	1,106,382
Other	729	60,481	2,102	186,434
Total:	6,002	468,548	17,869	1,292,816
Crocidolite				
South Africa	251	27,215	596	67,154
Other	2	277	7	1,120
Total:	253	27,492	603	68,274
Amosite				
South Africa	1,481	71,125	7,460	326,060
Other	1	268	379	35,741
Total:	1,482	71,393	7,839	361,801
Other				
South Africa	-	-	8	998
Other	12	740	199	14,179
Total:	12	740	207	15,177
Barite:				
Ground	(a)	17	12	380
Bentonite:-				
United States of America	598	8,123	2,362	31,171
Other	22	341	84	1,293
Total:	620	8,464	2,446	32,464
Calcium Carbide:-				
United Kingdom	(a)	46	1	133
South Africa	1,496	44,441	1,791	53,705
Other	345	11,445	839	36,493
Total:	1,841	55,932	2,631	90,331
Cement (Portland):-				
United Kingdom	11,679	77,365	65,064	412,021
Japan	2,550	21,547	16,075	141,388
Sweden	-	-	992	6,828
Other	794	8,669	8,673	64,892
Total:	15,023	107,581	90,804	625,129
Clays:-				
Ball Clay				
United Kingdom	59	585	194	1,635
France	9	360	34	680
Total:	68	945	228	2,315
China Clay				
United Kingdom	6	256	69	1,317
Other	-	-	60	1,084
Total:	6	256	129	2,401
Fire Clay				
United Kingdom	151	2,236	579	10,643
France	8	455	8	455
Total:	159	2,691	587	11,098
Clay, n.e.i.	169	4,321	555	11,398

(a) Less than half the unit of quantity shown.

Note - Values in Australian Currency f.o.b. Port of Shipment.

TABLE 7 - IMPORTS (CLEARED FOR HOME CONSUMPTION) OF MINERALS

MINERAL PRODUCTS AND METALS (Continued)

Item and Country of Origin	Quarter ended		Year ended		
	31st December, 1953		31st December, 1953		
	Quantity	Value (£A)	Quantity	Value (£A)	
NON-METALLIC GROUP (Cont'd.)					
Diamonds, Industrial:		Carats		Carats	
South Africa	25,148	53,005	114,685	258,341
Belgian Congo	7,500	7,412	38,278	59,724
Other	1,257	1,677	3,567	12,684
Total:		33,905	62,094	156,530	330,749
Diatomite:-		Tons		Tons	
United States of America	302	9,834	2,078	57,404
Other	20	773	102	4,626
Total:		322	10,607	2,180	62,030
Felspar:-					
..	86	873	150	1,945
Fluorspar:-					
United Kingdom	301	6,878	869	23,156
Other	-	-	1	5
Total:		301	6,878	870	23,161
French Chalk:-					
India	67	1,250	127	2,343
Italy	5	149	26	898
Other	3	362	10	607
Total:		75	1,761	163	3,848
Fullers' Earth:-					
United Kingdom	70	848	96	1,129
Graphite:-					
Flake					
United Kingdom	(a)	13	24	3,123
Ceylon	2	168	22	784
Other	(a)	26	48	2,143
Total:		2	207	94	6,050
Crystalline					
..	55	1,916	130	6,402
Amorphous					
Ceylon	79	2,712	243	9,672
Other	115	4,510	238	12,098
Total:		194	7,222	481	21,770
Magnesite:-					
United Kingdom	257	7,125	369	10,907
Other	2	77	32	1,528
Total:		259	7,202	401	12,435

(a) Less than half the unit of quantity shown.

Note - Values in Australian currency f.o.b. Port of Shipment.

**TABLE 7 - IMPORTS (CLEARED FOR HOME CONSUMPTION) OF MINERALS,
MINERAL PRODUCTS AND METALS (Continued)**

Item and Country of Origin	Quarter ended		Year ended	
	31st December, 1953		31st December, 1953	
	Quantity	Value (£A)	Quantity	Value (£A)
NON-METALLIC GROUP (Cont'd.)				
Mica:-	lb.		lb.	
Block or Sheet Trimmed ..	10,024	8,288	}	29,259
Condenser Film (not cut or stamped)	-	-		
Splittings (not cut or stamped)	20,470	1,907		
Cut or Stamped ..	854	392		
Ground or Pulverised ..	3,470	112		
Scrap ..	-	-		
	Tons		Tons	
Phosphate Rock:-				
Mauru ..	190,617	351,438	744,394	1,263,656
Christmas Is. ..	65,191	196,095	249,986	729,350
Gilbert & Ellice Is. ..	36,703	67,105	184,370	321,082
Other ..	2,953	5,168	2,956	5,221
Total:	295,464	619,806	1,181,706	2,319,309
Potash Salts:-				
Chloride				
France ..	2,135	35,396	7,741	143,020
Other ..	2,748	48,203	9,263	197,404
Total:	4,883	83,599	17,704	340,424
Salt:-				
Rock				
United Kingdom ..	901	5,690	5,416	33,897
Table				
United Kingdom ..	871	40,784	1,645	72,581
Other ..	-	-	(a)	10
Total:	871	40,784	1,645	72,591
Dairy				
United Kingdom ..	540	4,111	815	6,972
Other Salt ..	101	1,888	1,006	8,788
Sillimanite:-	-	-	1	63
Sulphur:-				
Italy ..	-	-	3	225
United States of America ..	29,870	399,385	127,719	1,619,027
Other ..	11,533	206,883	18,558	492,484
Total:	41,403	606,268	146,280	2,111,736

(a) Less than half the unit of quantity shown.

Note: Values in Australian currency f.o.b. Port of Shipment.

TABLE 8 : EXPORTS OF MINERALS, MINERAL PRODUCTS AND METALS, TO PRINCIPAL COUNTRIES OF DESTINATION : AUSTRALIA, QUARTER AND YEAR ENDED 31ST DECEMBER, 1953

Item and Country of Destination	Quarter ended 31st December, 1953		Year ended 31st December, 1953	
	Quantity	Value (£A)	Quantity	Value (£A)
METALLIC GROUP				
Aluminium:-	Tons		Tons	
Pigs, Ingots, etc. (Refined)	-	-	659	109,396
Rolled and Drawn Shapes	25	7,984	76	27,154
Scrap (including remelt) ..	249	39,719	426	66,304
Cadmium:-				
Ingots ..	28	49,440	61	104,836
Bars, Rods, etc. ..	57	100,355	221	380,859
Copper:-				
Blister (a)				
United States of America ..	749	305,000	} 9,978	2,995,344
Pig, Ingots, etc. (Refined) ..	-	-		
Rolled, Drawn and Extruded Shapes (excluding Wire) ..	228	63,766	1,330	397,298
Scrap (including remelt) ..	158	36,499	749	175,130
Gold:-				
Ore and Concentrates	lb.		lb.	
United States of America ..	-	-	121,638	5,187
Refined Ingot or Bar (b)			Fine oz.	
United Kingdom ..	91,636	1,459,795	770,499	12,494,847
New Zealand ..	-	-	21	300
France ..	25,154	400,422	345,357	5,587,184
Switzerland ..	-	-	64,464	1,059,018
Other ..	14,514	231,729	24,177	385,679
Total:	131,304	2,091,946	1,204,518	19,527,028
Refined or Standard Sheet, Strip, Dust etc. ..	-	-	-	-
Unrefined gold or silver bullion (gold content)(b) ..	-	-	-	-
Ilmenite Concentrates:-	Tons		Tons	
United States of America ..	-	-	48	374
Other ..	20	134	45	359
Total:	20	134	93	733
Iron and Steel:-				
Pig				
United States of America ..	41,280	700,753	148,389	2,620,205
United Kingdom ..	-	-	37,077	758,334
Canada ..	299	5,267	6,608	125,869
Pakistan ..	5,383	97,409	8,883	160,772
Other ..	4,907	97,149	10,260	216,043
Total:	51,869	900,578	211,217	3,881,223
Ferromanganese				
Ingots, Blooms, etc. ..	2	113	42	3,004
New Zealand ..	415	10,898	3,866	112,344
United Kingdom ..	-	-	121,917	3,514,151
India ..	10,726	319,417	25,003	802,193
Other ..	4,092	117,632	10,892	312,362
Total:	15,240	447,947	161,678	4,741,050
Bars and Rods				
New Zealand ..	3,291	113,243	20,825	712,236
Other ..	2,321	90,329	4,253	189,108
Total:	5,612	203,572	25,078	901,344
Plate and Sheet				
New Zealand ..	1,558	89,133	6,641	395,215
Other ..	3,975	213,445	7,482	418,507
Total:	5,533	302,578	14,123	813,722

(a) Prior to 1st July, 1953, included with Pigs, Ingots, etc. (Refined)

(b) Revisions made, since previous publication, for nine months ended 30th September, 1953.

Note:- Values in Australian currency f.o.b. Port of Shipment.

TABLE 8 - EXPORTS OF MINERALS, MINERAL PRODUCTS AND METALS (Cont'd.)

Item and Country of Destination	Quarter ended		Year ended	
	31st December, 1953		31st December, 1953	
	Quantity	Value (£A)	Quantity	Value (£A)
METALLIC GROUP (Continued)				
Lead:-	Tons		Tons	
Ores and Concentrates				
Belgium	13,809	697,730	27,205	1,358,305
U.S. of America	7,873	498,316	31,163	1,850,661
Other	5,874	352,045	5,874	352,045
Total:	27,556	1,548,091	64,242	3,561,011
Bullion				
United Kingdom	9,008	1,155,882	42,337	5,819,504
Other	-	-	1	77
Total:	9,008	1,155,882	42,338	5,819,581
Pig				
United Kingdom	29,642	3,238,452	88,373	9,511,722
New Zealand	1,695	199,896	4,303	492,323
India	25	2,912	699	77,512
U.S. of America	5,998	691,802	51,763	5,356,649
Other	509	50,899	3,294	428,070
Total:	37,869	4,183,961	148,432	15,866,276
Sheet, Piping	119	16,737	213	29,021
Other Shapes	50	6,118	50	6,142
Scrap	3,646	246,334	12,147	769,571
	1b.		1b.	
Mercury:-	-	-	884	1,295
	os.		os.	
Platinum and Platinum Group Metals:-	110	8,120	416	19,960
	Tons		Tons	
Rutile:-				
Concentrates				
United Kingdom	2,480	112,995	8,662	427,448
U.S. of America	2,172	114,664	13,416	707,140
Other	3,759	164,868	13,997	683,500
Total:	8,411	392,527	36,075	1,818,088
	Fine os.		Fine os.	
Silver:-				
Refined Ingot or Bar				
United Kingdom	1,130,465	429,457	5,160,616	1,959,643
Other	-	-	2,040	612
Total:	1,130,465	429,457	5,162,656	1,960,255
Refined or Standard Sheet, Dust etc.	-	-	-	-
Unrefined Silver or Gold Bullion (Silver Content)	-	-	-	-
	Tons		Tons	
Tantalum and Columbium:-				
Ores and Concentrates	36	18,587	58	65,542
Tin:-				
Concentrates				
Singapore	-	-	4	3,157
Malaya	-	-	14	10,059
Other	(a)	203	1	1,013
Total:	(a)	203	19	14,229
Ingots				
United Kingdom	-	-	56	64,228
Other	16	12,644	25	20,720
Total:	16	12,644	81	84,948

(a) Less than half the unit of quantity shown.

Note - Values in Australian currency f.o.b. Port of Shipment.

TABLE 8 - EXPORTS OF MINERALS, MINERAL PRODUCTS AND METALS (Cont'd.)

Item and Country of Destination	Quarter ended		Year ended	
	31st December, 1953		31st December, 1953	
	Quantity	Value (£A)	Quantity	Value (£A)
METALLIC GROUP (Continued)				
	Tons		Tons	
Tungsten:-				
Scheelite Concentrates				
United States of America ..	190	284,919	717	1,027,332
United Kingdom ..	50	87,925	262	444,054
Other ..	(a)	431	8	10,300
Total:	240	373,275	987	1,481,686
Wolfram Concentrates				
United States of America ..	180	185,342	641	873,390
United Kingdom ..	100	130,500	410	558,360
Other ..	87	85,514	198	209,107
Total:	367	401,356	1,249	1,640,857
Zinc:-				
Concentrates				
United Kingdom ..	32,781	334,716	141,530	3,266,029
Belgium ..	41,562	500,649	77,441	1,885,440
Other ..	4,750	52,735	14,338	160,514
Total:	79,093	888,100	233,309	5,311,983
Ingots, etc.				
United Kingdom ..	1,250	115,021	15,322	1,674,305
India ..	4,456	415,330	15,080	1,426,631
Other ..	1,296	135,870	6,535	615,032
Total:	7,002	666,221	36,937	3,715,968
Plates, Sheets	22	4,864	59	15,459
Circles, Strips				
India ..	466	72,867	1,662	274,489
Singapore ..	182	29,639	481	68,904
Other ..	26	4,704	555	94,213
Total:	674	107,210	2,698	437,606
Scrap ..	-	-	1,557	55,573
Zircon Concentrates:-				
United Kingdom ..	945	9,196	4,151	42,554
U.S. of America ..	8,406	71,368	23,574	219,421
Other ..	1,127	11,403	3,448	36,157
Total:	10,478	91,967	31,173	298,132
FUEL GROUP				
	Tons		Tons	
Coal:				
Fiji ..	7,917	31,247	20,036	83,613
New Caledonia ..	46,136	199,668	171,879	792,250
Other ..	47,145	169,063	184,864	705,644
Total:	101,198	399,978	376,779	1,581,507
	Gals.		Gals.	
Petroleum and Shale Oils:-				
Crude ..	-	-	-	-
Other -				
Australian Produce ..	307,970	43,900	1,294,500	221,536
Other Produce ..	1,184,570	115,389	3,322,173	389,647
Total:	1,492,540	159,289	4,616,673	611,183
NON-METALLIC GROUP				
	Tons		Tons	
Asbestos:-				
Crude and Fibre				
United Kingdom ..	115	19,576	117	19,936
U.S. of America ..	917	150,750	1,650	278,681
Other ..	94	15,328	537	89,833
Total:	1,126	185,654	2,304	388,450
Barite:-				
Ground				
British Countries ..	358	6,498	867	17,316
Other ..	-	-	10	232
Total:	358	6,498	877	17,548

(a) Less than half the unit of quantity shown. Note:- Values in Australian currency f.o.b. Port of Shipment.

TABLE 8 - EXPORTS OF MINERALS, MINERAL PRODUCTS AND METALS (Cont'd.)

Item and Country of Destination	Quarter ended		Year ended	
	31st December, 1953		31st December, 1953	
	Quantity	Value (£A)	Quantity	Value (£A)
NON-METALLIC GROUP (Continued)				
<u>Calcium Carbide:-</u>	Tons		Tons	
<u>Cement:-</u>	25	1,556	161	11,458
New Guinea	316	3,289	2,894	30,838
Papua	35	320	225	2,326
Fiji	61	769	2,142	22,678
Other	749	9,065	8,054	92,174
<u>Total:</u>	1,161	13,443	13,315	148,016
<u>Clays:-</u>				
New Zealand	146	3,401	472	10,727
Other	418	3,217	1,065	8,399
<u>Total:</u>	564	6,618	1,537	19,126
<u>Diamonds - Industrial</u>	Carats		Carats	
	5,610	5,165	63,656	82,592
<u>Diatomite</u>	Tons		Tons	
	69	2,595	152	5,097
<u>Felspar</u>	113	1,964	158	3,469
<u>Graphite:-</u>				
Flake	1	43	1	43
Crystalline	-	-	-	-
Amorphous				
New Zealand	1	40	9	678
<u>Gypsum:-</u>				
New Zealand	10,830	17,350	22,258	31,846
Malaya	-	-	508	5,363
Other	3,162	9,650	5,072	13,948
<u>Total:</u>	13,992	27,000	27,838	51,157
<u>Mica:-</u>	lb.		lb.	
Crude	24	70	14,382	1,387
<u>Salt:-</u>	Tons		Tons	
Table				
New Guinea	38	701	106	1,764
New Zealand	5,118	35,573	11,064	72,261
Other	326	2,942	814	8,865
<u>Total:</u>	5,482	39,216	11,984	82,890
Other Salt				
New Guinea	-	-	109	1,015
New Zealand	-	-	4,357	27,701
Fiji	-	-	68	748
Other	-	-	184	2,232
<u>Total:</u>	-	-	4,718	31,696
<u>Sillimanite:-</u>				
	-	-	-	-
<u>Superphosphate:-</u>				
	-	-	1,323	17,815

NOTE: Value in Australian currency f.o.b. Port of Shipment.

**TABLE 9 - SUMMARY OF PRODUCTION, IMPORTS AND EXPORTS OF PRINCIPAL
METALS, COAL AND SULPHUR : AUSTRALIA
YEARS 1939, 1951, 1952 AND 1953 AND QUARTER ENDED 31ST DECEMBER, 1953**

(Note : Particulars regarding production of refined metals exclude secondary recovery of metal (i.e. from scrap) unless otherwise stated).

Item	Year ended 31st December				Quarter ended 31st Dec., 1953 (a)
	1939	1951	1952	1953(a)	
COPPER (Tons)					
Copper Content of Minerals Produced ..	20,560	17,926	18,578	37,364	10,015
Production of Refined Copper (b) ..	17,867	13,543	19,623	14,679	5,193
Imports (c) - Blister (Copper Content)	(d)	(d)	(d)	(d)	-
Ingots (Refined)	(e) 72	19,592	24,206	1,666	90
Rods, Bars, Sheets, Tubes, etc. ..	(e) 806	7,512	4,114	1,762	356
Exports - Blister (Copper Content)	(d)	(d)	(d)	(d)	(d) 739
Ingots, etc. (Refined)	(e) 16	12	650	9,906	-
Rolled, Drawn and Extruded Shapes (excluding wire)	(e) 150	54	81	1,330	228
Copper in all concentrates etc. ..	(e) 2,891	610	959	1,098	487
GOLD (Fine oz.)					
Gold Content of Minerals Produced ..	1,645,697	895,551	980,435	1,075,080	288,111
Production of Refined Gold - Australian Origin	(f) 1,637,031	850,236	978,956	1,052,779	252,449
Oversea Origin ..	(f) 384,223	179,344	261,834	202,405	37,542
Total Refined Gold:	(f) 2,021,254	1,029,580	1,240,790	1,255,184	289,998
Imports (c) - Bar, Dust, Ingot, Sheet (Gold Content) ..	(e) 376,417	108,913	286,257	158,366	19,131
Exports - Ores, Concentrates (g) (Gold Content) ..	(e) 42,732	7,387	15,469	20,141	10,018
Bar, Dust, Ingot, in matte, etc. (Gold Content)	(e) 1,970,240	45	824,874	1,204,518	131,304
Net increase (+) or decrease (-) in Stocks of gold in Australia (h)	(e) (+)15,840	(+)997,032	(+)426,349	(+)8,787	(+)165,920

(a) Subject to revision. (b) Excludes quantities refined from imported blister copper. (c) Cleared for home consumption. (d) Included with Ingots (refined) prior to 1st July, 1953. (e) Year ended 30th June. (f) Year ended 31st December, 1940. (g) Includes blister copper. (h) Excludes gold specie; includes gold content of mineral products awaiting refining.

TABLE 9 - SUMMARY OF PRODUCTION, IMPORTS AND EXPORTS ETC. (Cont'd.)

Item	Year ended 31st December				Quarter ended 31st Dec., 1953 (a)
	1939	1951	1952	1953 (a)	
IRON AND STEEL (Tons)					
Iron Content of Ore Produced (b) ..	1,548,031	1,605,400	1,883,087	2,132,086	488,984
Production of Pig Iron (c) 1,104,605	1,325,145	1,542,063	1,736,854	481,407	
Production of Ingot Steel ..	(c) 1,170,103	1,462,751	1,638,417	2,049,237	536,612
Imports (d) -					
Iron Ore ..	(e)	2,916	2,835	1	(f)
Pig Iron ..	(g) 51	11,503	6,232	-	-
Iron and Steel - Ingots, Blooms, Billets, etc. (g)	4,390	1,383	2,542	228	20
Bars, Rods, Plates Sheet, etc. (h)	(g) 123,900	230,773	261,243	92,113	13,777
Exports -					
Iron Ore ..	(g) 132,163	-	-	-	-
Pig Iron ..	(g) 52,321	5,812	64,701	211,217	51,869
Iron and Steel - Ingots, Blooms, Billets ..	(g) 17,656	1,580	5,836	161,678	15,240
Bar, Rod ..	(g) 104,714	4,717	5,807	25,078	5,612
Plate, Sheet ..	(g) 13,076	5,781	6,879	14,123	5,533
LEAD (Tons)					
Lead Content of Minerals Produced	280,003	212,013	228,196	269,296	65,588
Production of Refined Lead ..	(i) 199,437	165,758	156,639	172,468	50,880
Production of Lead Bullion (Lead Content)	43,955	31,872	37,709	34,050	7,893
Imports (d) -					
Pig, other unwrought shapes, Sheet, Pipe (g)	110	9	-	-	-
Exports -					
Ores, Concentrates (Lead Content) (g)	26,410	14,490	22,758	39,864	19,509
Lead Bullion (j) (g)	204,999	31,557	31,193	42,042	8,945
Refined Lead - Pigs, etc. ..	(k)	106,180	141,431	148,432	37,869
Sheet, Pipe, etc. (g)	620	858	203	213	119
SILVER (Fine oz.)					
Silver Content of Minerals Produced	15,320,116	10,243,691	11,278,374	12,248,885	3,064,646
Production of Refined Silver (m) ..	9,552,411	6,878,832	6,772,624	6,672,479	2,041,712
Imports (d) -					
Bars, Ingots, etc. (g)	200,568	79,186	123,240	63,224	7,204
Exports -					
Ore and Concentrates (Silver Content) (g)	1,840,159	1,400,000	1,324,843	2,204,790	933,702
Silver-Lead Bullion (Silver Content) (g)	9,426,059	2,446,983	2,264,284	3,382,302	629,741
Bars, Ingots, Sheets (n)		7,180,541	5,954,090	5,162,656	1,130,465

(a) Subject to revision. (b) Estimated. (c) Year ended 31st May, 1939. (d) Cleared for home consumption. (e) Not available. (f) Less than half the unit of quantity shown. (g) Year ended 30th June, 1939. (h) Includes ternplate and timplate. (i) Includes small quantities recovered from scrap. (j) Exported as lead bullion, lead content 99.3%. (k) Included with lead content of lead bullion. (l) Figure for half year ended 30th June, 1953, revised since previous publication. (m) Includes small quantities recovered from imported materials. (n) Included with silver content of silver-lead bullion.

TABLE 9 - SUMMARY OF PRODUCTION, IMPORTS AND EXPORTS ETC. (Cont'd)

Item	Year ended 31st December				Quarter ended 31st Dec., 1953 (a)
	1939	1951	1952	1953 (a)	
TIN (Tons)					
Tin Content of Minerals Produced ..	3,067	1,559	1,611	1,494	421
Production of Refined Tin ..	3,294	1,459	1,699	1,443	380
Imports (b) - Ingots ..	(c) 39	2,723	180	623	242
Exports - Ores, Concentrates (Tin Content) ..	(c) 309	41	21	12	(d)
Ingots ..	(c) 1,476	-	631	81	16
ZINC (Tons)					
Zinc Content of Minerals Produced ..	214,823	189,227	196,450	239,069	60,167
Production of Refined Zinc (e) ..	71,220	77,010	87,438	90,178	25,605
Imports (b) - Blocks, Ingots ..	(c) 160	-	-	-	-
Exports - All concentrates etc. (Zinc Content) ..	(c) 134,017	80,050	110,728	122,272	41,526
Ingots, Blocks ..	(c) 44,617	20,529	44,741	36,937	7,002
Plates, Sheets, etc.	(c) 20	2,094	1,736	2,757	696
COAL (Tons)					
Production Black -					
Semi-anthracite	72,227	82,426	84,807	83,745	20,477
Bituminous ..	12,809,284	16,029,615	17,711,361	16,792,104	4,276,444
Sub-bituminous ..	653,631	1,496,387	1,608,930	1,565,018	435,339
Total, Black:	13,535,142	17,608,428	19,405,098	18,440,867	4,732,260
Underground ..	11,820,119	13,942,416	15,332,824	15,313,736	3,992,494
Open-cut ..	1,715,023	3,666,012	4,072,274	3,127,131	739,766
Brown (incl. Lignite) (f) ..	3,651,014	7,836,056	8,103,764	8,257,299	2,108,773
Imports (b) - Black ..	(c) 86,970	352,734	282,352	22,200	2,009
Exports - Black ..	(c) 382,085	114,503	176,828	376,779	101,198

(a) Subject to revision. (b) Cleared for home consumption. (c) Year ended 30th June, 1939. (d) Less than half the unit of quantity shown. (e) Includes zinc dust produced for sale and for use in the zinc refining plant. (f) All open-cut.

TABLE 9 - SUMMARY OF PRODUCTION, IMPORTS AND EXPORTS, ETC. (Cont'd.)

Item	Year ended 31st December				Quarter ended 31st Dec., 1953 (a)
	1939	1951	1952	1953 (a)	
SULPHUR (Tons)					
Sulphur Content of Minerals Produced					
Zinc Concentrate ..	123,968	113,964	119,515	141,969	34,142
Pyrites ..	27,040	65,962	93,491	77,129	23,472
Spent Oxide Roasted ..	(b)	(c)3,200	(c)4,211	(c)5,432	(c)1,221
Total Sulphur Content	151,008	183,126	217,217	224,530	58,835
Recoverable Sulphur (c)	129,709	159,050	189,436	194,870	51,220
Quantity of Sulphur in Mono acid produced -	(d)484,493	652,125	628,302	671,471	174,229
Sulphur (Elemental)(e)	(c)114,500	135,683	112,225	123,469	34,199
From Zinc Concentrate (c)	25,300	32,850	33,115	31,270	8,661
From Pyrites (c) ..	27,040	50,300	57,891	60,811	13,157
From Spent Oxide (c)	(b)	2,230	3,231	3,973	908
Total (c)	166,840	221,063	206,462	219,523	56,925
Imports (f) -					
Sulphur (Elemental) ..	(d)115,101	99,382	111,404	146,280	41,403
Exports -					
Sulphur Content in Zinc Concentrate ..	(d) 78,373	49,500	72,504	74,659	25,310
Estimated Recoverable Sulphur in Zinc Concentrate Exported ..	(d) 66,617	42,075	61,628	63,460	21,513

(a) Subject to revision. (b) Not available. (c) Estimated. (d) Year ended 30th June, 1939. (e) All imported. (f) Cleared for home consumption.

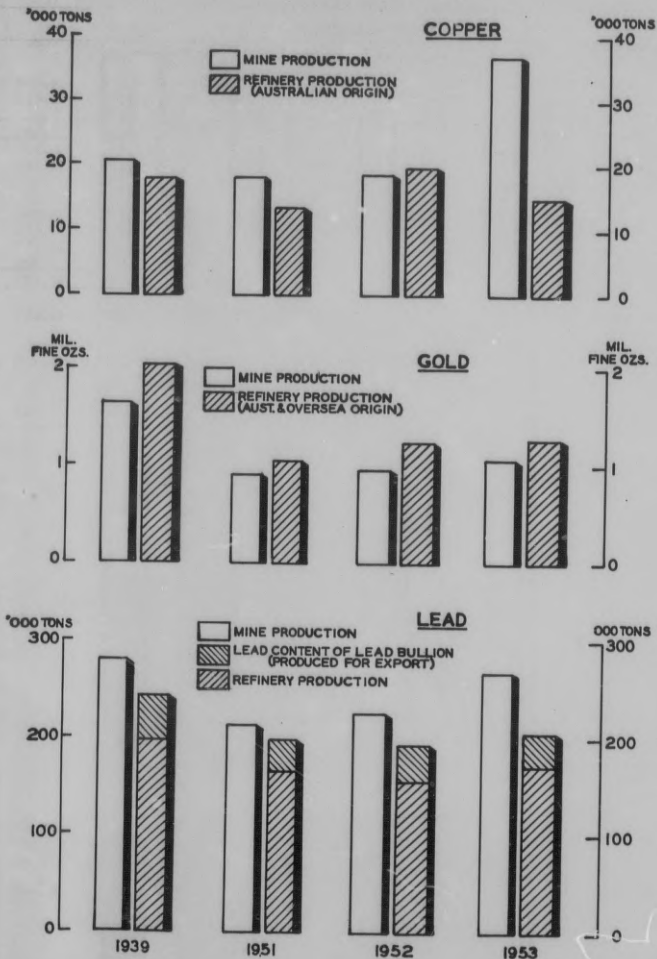
S.R. CARVER
ACTING COMMONWEALTH STATISTICIAN

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA. A.C.T.

PRINCIPAL MINERALS: AUSTRALIA

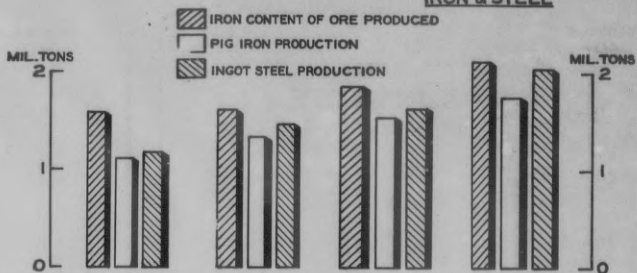
ANNUAL PRODUCTION, 1939 AND 1951 TO 1953



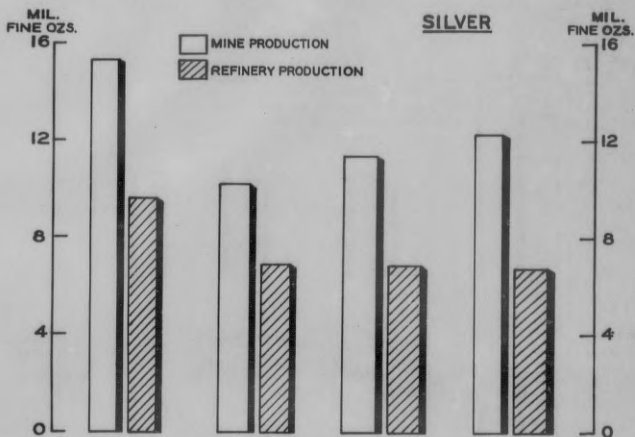
PRINCIPAL MINERALS: AUSTRALIA

ANNUAL PRODUCTION, 1939 AND 1951 TO 1953

IRON & STEEL



SILVER



TIN

