



MINERALS AND MINERAL PRODUCTS

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MINERALS AND MINERAL PRODUCTS, AUSTRALIA SEPTEMBER 1974

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EXPLANATORY NOTES

Introduction

This bulletin contains the following statistics:

- . principal minerals and mineral products produced in Australia
- . overseas trade in selected minerals and mineral products
- . related prices and price indexes
- . Australian Government payments to the mining and manufacturing industries.

2. More detailed statistics on various aspects of the mineral industry are contained in Part II - Quarterly Statistics of *The Australian Mineral Industry Quarterly Review*, which is published in conjunction with the Bureau of Mineral Resources.

Sources of Data

3. Table 1. Mine production statistics are collected by

- . Bureau of Mineral Resources
- . Department of Minerals and Energy
- . State Mines Departments.

Preliminary annual statistics are also derived from these sources. Final annual statistics are derived from the annual Mining Census which is conducted by this Bureau in collaboration with the State Mines Departments.

Table 2. Production of principal manufactured products of mineral origin

- . Statistics of non-ferrous metal production and refined silver are collected by the Bureau of Mineral Resources.
- . Data on refined gold production are provided by the Reserve bank.
- . Data on petroleum products are collected by the Department of Minerals and Energy.
- . Other data in this table are collected by the Australian Bureau of Statistics.

Tables 3 to 6. Overseas Trade data are extracted from this Bureau's compilation of overseas trade statistics, which are derived from documents obtained under the Customs Act by the Department of Customs and Excise.

Tables 7 and 8. Prices data are mainly derived from information collected and compiled by the Bureau of Mineral Resources. For further information, see Appendix C.

Tables 9 and 10. Price indexes data for metallic materials and exports are derived from this Bureau's compilation of price indexes. For further information see Appendixes D and E.

Table 11. Data on Australian Government payments are provided by the various Departments responsible for the administration of the specified Acts. Further details of Australian Government assistance to the mineral industry are given on pages 920-5 of *Official Year Book No. 59, 1973*.

Table 12. Supplies and disposals of gold bullion

. Refinery production, imports and exports of gold bullion data are identical with corresponding figures in preceding tables, and have the same sources

. Net industrial consumption data are supplied by the Reserve Bank.

Revision of Data

4. Statistics for current months are preliminary and subject to revision. Revisions of data, based on figures derived from established quarterly compilations of mineral statistics, the annual Mining Census and other collections, will be incorporated in subsequent issues of this bulletin as revised information becomes available.

Commodity Grouping.

5. Commodities in Tables 1 to 6 are grouped according to conventions generally accepted in the mineral industry.

Seasonal Adjustment.

6. This bulletin includes seasonally adjusted production statistics for black coal, ingot steel, Portland cement and sulphuric acid. In all adjustments account has been taken of normal seasonal factors and 'trading days' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays, etc. in the month). In the adjustment of black coal production, account has also been taken of the influence of Easter, Australia Day and varying patterns of annual leave which may, in successive years, affect figures differently for different months. Details of the methods used in seasonally adjusting these and other series are given in *Seasonally Adjusted Indicators* 1974 (Reference No. 1.10)

Metric Units

7. All quantity data in this bulletin are in metric units. Details of units and conversion factors used are shown in Appendix F.

In tables 7 and 8 prices data are, in general, shown as they are quoted in the relevant markets. For this reason some prices data in these tables are quoted in terms of price per imperial unit of quantity.

Rounding

8. Any discrepancies between totals and sums of components in tables are due to rounding.

Symbols Used

- r figure or series revised since previous issue
- nil or less than half the final digit shown, or not applicable.
- n nominal
- p preliminary
- n.a. not available
- n.y.a. not yet available
- break in continuity of series (where drawn across a column between two consecutive figures).

PUBLICATIONS

The following is a list of publications containing other mining and related statistics for Australia, published by this Bureau or in conjunction with the Bureau of Mineral Resources. A complete list of Bureau publications, including details of separate State publications and prices charged, is contained in *Publications of the Australian Bureau of Statistics* (Reference No. 1.8). Users are also referred to the annual reports of the State Mines Departments, which contain mineral statistics.

A. Commodity statistics

Monthly	<i>Production Statistics Australia</i> (Reference No. 12.14) (Manufacturing Commodities) (a)
	<i>Overseas Trade Statistics: Part 1 - Exports</i> (Reference No. 8.9) (a)
	<i>Overseas Trade Statistics: Part 2 - Imports</i> (Reference No. 8.10) (a)
	<i>Monthly Bulletin of Copper, Lead and Zinc Statistics</i> (a) (b)
	<i>Monthly Bulletin of Tin Statistics</i> (a) (b)
	<i>Monthly Bulletin of Metal and Mineral Prices</i> (a) (b)
Quarterly	<i>Australian Mineral Industry Quarterly Review and Statistics</i> (b)
	<i>Quarterly Bulletin of Mineral Sands Statistics</i> (a) (b)
Annual	<i>Mineral Production</i> (Reference No. 10.51) (a)
	<i>Manufacturing Commodities: Principal Articles Produced</i> (Reference No. 12.26) (a)
	<i>Manufacturing Commodities: Principal Materials Used</i> (Reference No. 12.32) (a)
	<i>Overseas Trade</i> (Reference No. 8.11)
	<i>Overseas Trade (Preliminary): Part 1 - Exports</i> (Reference No. 8.15) (a)
	<i>Overseas Trade (Preliminary): Part 2 - Imports</i> (Reference No. 8.16) (a)

B. Industry and related statistics (annual)

Mining Establishments: Summary of Operations (Preliminary) (Reference No. 10.72) (a)
Mining Establishments: Details of Operations (Reference No. 10.60) (a)
Manufacturing Establishments: Details of Operations (Reference No. 12.29) (a)
Manufacturing Establishments: Summary of Operations (Reference No. 12.23) (a)
Foreign Ownership and Control of the Mining Industry 1972-73 (Reference No. 10.42) (a)
Mineral Exploration (other than for petroleum) (Preliminary) (Reference No. 10.71) (a)
Mineral Exploration (Reference No. 10.41) (a)

C. General information and statistics

Official Year Book, Australia (Reference No. 1.1) (Mineral Industry Chapter)
Australian Mineral Industry Annual Review (b)

(a) Available free of charge. (b) Published by Bureau of Mineral Resources, Canberra.

TABLE 1. - MINE PRODUCTION OF PRINCIPAL MINERALS, AUSTRALIA

Period	Metallic minerals									
	Non-ferrous					Ferrous and alloy (a)				
	Copper (b)	Lead (b)	Zinc (b)	Tin (b)	Nickel concentr- rate (a)	Bauxite (a)	Iron ore and conc- entrate	Manganese ore	Tungsten concentr- rates	Precious (b)
	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	grams
1971-72	171,920	420,796	497,540	11,070	299,144	13,697	62,103	1,164	2,683	23,253
1972-73	198,718	385,008	506,995	11,754	268,349	14,702	74,645	1,295	2,672	20,002
1973-74	248,946	372,413	441,080	10,603	298,319	18,642	91,724	1,657	1,805	n.y.a.
July - Sept.										
1973-74	62,617	118,129	138,603	2,806	77,614	4,868	23,394	467	439	4,039
1974-75	62,463	108,538	127,228	2,604	83,691	n.y.a.	n.y.a.	n.y.a.	360	n.y.a.
1973-74 -										
August	22,169	41,367	50,653	875	26,348	(d)	(d)	(d)	(d)	{ 1,369
September	18,622	35,181	36,572	965	27,015					
October	19,403	36,735	40,071	918	29,338	4,895	21,823	374	382	{ 1,409
November	20,747	33,933	36,292	995	24,607					
December	18,878	26,690	32,488	818	21,639					
January	18,745	18,726	25,408	715	24,525	4,328	23,436	395	401	{ 1,277
February	17,972	26,598	33,478	736	17,093					
March	19,877	30,447	37,916	907	23,660					
April	21,798	30,363	34,949	824	26,033	4,551	23,071	422	583	{ 1,637
May	24,801	17,253	21,003	952	25,391					
June	24,108	33,539	40,871	932	28,419					
1974-75										
July	22,112	35,069	43,201	1,890	29,771	n.y.a.	n.y.a.	n.y.a.	360	{ n.y.a.
August	20,936	38,303	44,663	1,825	27,986					
September	19,415	35,166	39,364	889	25,934					

Period	Metallic minerals - continued				Fuel minerals					
	Precious (b) - continued		Mineral sands concentrates (a)		Black coal			Petroleum (c)		
	Silver	Ilmenite (f)	Rutile	Zircon	Under-ground	Total	Seasonally adjusted (g)	Brown coal	Crude oil	Natural gas
	'000 grams	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	cu m	cu m
1971-72	700,164	705,256	355,674	390,514	36,487	53,548	..	23,630	19,038	2,628
1972-73	609,459	720,996	318,698	373,024	36,959	59,755	..	24,121	20,669	3,713
1973-74	733,516	681,065	297,453	323,764	34,598	59,833	..	26,265	23,162	4,403
July - Sept.										
1973-74	210,512	188,114	78,645	85,171	9,850	16,403	..	7,432	5,934	1,176
1974-75	195,574	215,013	69,755	81,165	9,726	17,844	..	7,498	4,725	1,329
1973-74 -										
August	75,458	64,810	30,646	33,206	3,370	5,344	5,549	2,466	2,025	407
September	62,105	57,855	27,713	28,570	2,763	4,856	4,915	2,502	1,894	355
October	65,071	60,072	28,786	29,901	3,482	6,001	5,088	1,752	1,885	362
November	66,048	51,138	22,849	25,792	3,441	5,882	5,016	1,470	1,930	333
December	50,868	49,332	25,442	28,436	2,214	3,658	5,238	1,977	2,056	323
January	47,046	48,791	22,131	24,373	2,047	3,230	4,618	1,984	2,096	308
February	49,225	53,326	23,799	25,552	2,654	4,643	4,721	2,122	1,766	323
March	62,365	57,977	22,387	23,996	2,425	4,487	4,397	2,315	1,968	353
April	63,674	54,095	23,930	26,404	1,692	3,306	4,011	2,236	1,865	361
May	50,451	50,366	27,151	28,199	3,451	6,291	5,469	2,563	1,869	420
June	68,256	67,854	22,333	25,640	3,342	5,930	5,728	2,414	1,793	442
1974-75										
July	70,970	73,425	26,140	28,454	3,597	6,616	5,472	2,856	1,358	458
August	70,732	72,087	22,265	26,162	2,958	5,048	5,607	2,556	1,257	449
September	53,872	69,501	21,350	28,549	3,171	6,180	5,970	2,087	2,110	422

(a) Quantities shown are gross output. (b) Quantities shown are metallic contents of mine products based on chemical assay. (c) Western Australian gold production figures (in respect of major producers) normally relate to a four-week period ending in the calendar month indicated. However, two such periods ended in the calendar month of November 1973. (d) Available on a quarterly basis only. (e) Source : Department of Minerals and Energy. (f) Includes ilmenite for beneficiating. (g) See explanatory notes, paragraph 6, page 2.

TABLE 2. — PRODUCTION OF PRINCIPAL MANUFACTURED PRODUCTS OF MINERAL ORIGIN, AUSTRALIA (a)

Period	Metals									
	Non-ferrous								Ferrous	
	Alumina	Refined aluminium	Blister copper (b)	Refined copper	Lead bullion (b)(c)	Refined lead	Refined zinc	Refined tin	Iron ore pellets (d)	Pig iron (e)
	'000 tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	'000 tonnes	'000 tonnes
1971-72	2,826	212,461	144,791	130,827	141,582	190,638	274,245	6,391	6,014	(f)6,072
1972-73	3,498	207,531	149,355	136,435	138,925	173,561	299,433	7,301	8,734	(f)7,182
1973-74	4,480	208,206	183,286	148,717	150,606	201,025	281,586	6,509	10,214	(f)7,515
July—Sept.										
1973-74	1,069	54,101	45,522	38,973	36,981	48,241	80,350	1,648	2,582	1,974
1974-75	1,278	57,201	49,306	44,112	37,220	46,885	78,681	1,716	2,389	1,809
1973-74 —										
August	364	18,472	15,318	13,914	13,418	18,827	26,334	543	820	673
September	323	17,516	15,238	12,070	13,243	13,498	27,904	637	871	640
October	351	16,824	15,016	13,122	13,980	19,647	26,857	570	902	682
November	395	15,914	12,634	14,398	14,290	15,629	25,963	464	762	648
December	414	17,467	14,160	11,948	13,028	19,345	20,212	635	887	707
January	371	17,092	14,813	11,787	13,263	18,596	26,239	598	889	662
February	339	15,188	14,926	5,662	10,640	16,387	23,412	728	794	611
March	350	17,686	16,359	9,934	12,784	18,279	11,917	427	955	651
April	409	17,501	15,459	13,895	10,855	17,951	22,182	334	850	522
May	397	18,342	16,817	15,733	12,649	14,318	22,561	610	810	525
June	384	18,091	17,580	13,265	12,136	212,632	21,893	495	783	524
1974-75										
July	422	19,072	16,635	13,688	13,455	213,703	28,964	345	751	630
August	404	19,269	16,698	16,969	12,443	214,858	24,688	615	876	596
September	451	18,860	15,973	13,455	11,322	18,324	25,029	756	763	583

Metals — continued

Period	Ferrous — continued									
	Steel ingots (e)				Refined gold					
					Australian origin			Overseas origin		
					Newly won		From scrap	Newly won	From scrap	Refined silver
	Original	Seasonally adjusted (g)	Blooms and slabs	Tinplate	Quantity	Value (h)				
	'000 tonnes	'000 tonnes	'000 tonnes	tonnes	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams
1971-72	(f)6,585	..	(f)5,551	(f)317,251	16,394	22,171	662	3,537	53	273,142
1972-73	(f)7,235	..	(f)6,164	(f)242,679	14,689	28,148	554	3,254	130	248,550
1973-74	(f)7,707	..	(f)6,429	(f)318,844	11,106	29,021	790	2,561	56	242,931
July—Sept.										
1973-74	2,059	..	1,737	82,949	3,300	7,139	179	704	15	60,540
1974-75	1,930	..	1,572	90,723	2,873	12,348	226	738	21	60,584
1973-74										
August	692	662	560	26,786	971	2,104	83	260	..	21,480
September	677	676	587	28,098	1,304	2,539	46	242	..	18,698
October	705	666	553	27,272	913	1,625	96	189	..	23,943
November	669	651	565	27,235	878	2,526	116	196	..	20,110
December	718	702	542	27,710	1,184	2,032	58	242	..	17,714
January	690	704	580	29,061	399	1,561	47	228	1	19,900
February	640	720	507	26,357	738	2,878	53	191	24	17,950
March	675	683	537	26,072	991	1,929	72	212	..	19,024
April	528	544	477	24,304	861	4,005	54	186	..	23,186
May	538	527	504	27,151	899	3,896	66	180	16	19,747
June	527	562	489	28,633	943	1,429	49	233	..	20,817
1974-75										
July	656	629	445	34,584	951	4,717	74	225	..	19,534
August	651	619	539	30,225	634	1,962	89	220	20	17,801
September	624	617	587	25,914	1,288	5,669	63	293	1	23,249

(a) Except for pig iron, steel ingots and refined gold from scrap, excludes secondary metal. (b) Metallic content. (c) Lead bullion for export. (d) Gross wet weight. (e) Includes recovery from scrap. (f) Year ended May. (g) See explanatory notes, paragraph 6, page 2. (h) Based on the price fixed by the Reserve Bank. Includes allowance for premiums on sales of gold overseas and for industrial purposes in Australia. Excludes subsidy.

TABLE 2. - PRODUCTION OF PRINCIPAL MANUFACTURED PRODUCTS OF MINERAL ORIGIN, AUSTRALIA - continued

Period	Fuels					
	Petroleum products (a)			Coal products		
	Motor spirit	Automotive distillate	Furnace fuel	Industrial diesel fuel	Metallurgical coke	Brown coal briquettes
	million litres	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes
1971-72	10,609	3,426	5,015	1,112	4,189	1,329
1972-73	11,157	3,706	5,042	1,055	4,925	1,221
1973-74	12,200	4,265	5,265	1,276	4,916	1,164
July - Sept.						
1973-74	3,109	970	1,411	392	1,289	375
1974-75	2,815	893	1,271	299	1,342	297
1973-74 -						
August	1,061	348	459	129.1	447	125
September	1,029	317	487	126.8	424	119
October	933	361	423	112.2	433	56
November	1,085	391	509	101.7	401	69
December	1,092	465	503	104.9	433	80
January	1,040	369	399	98.4	451	68
February	945	310	396	80.0	400	79
March	1,009	367	344	94.6	391	90
April	925	343	446	87.4	382	99
May	1,098	342	453	102.1	353	134
June	965	347	380	103.0	381	115
1974-75						
July	973	289	416	101.6	444	118
August	764	239	373	78.6	449	106
September	1,087	365	482	118.4	449	73
Building materials and chemicals						
Period	Building materials			Chemicals		
	Portland cement		Asbestos cement sheets non-acoustic	Sulphuric acid		Superphosphate (c)
	Original	Seasonally adjusted (b)		Original	Seasonally adjusted (b)	
	'000 tonnes	'000 tonnes	'000 sq m	'000 tonnes	'000 tonnes	'000 tonnes
1971-72	4,884	..	36,647	1,750	..	3,729
1972-73	5,037	..	39,802	2,265	..	4,918
1973-74	5,330	..	44,128	2,428	..	5,313
July - Sept.						
1973-74	1,342	..	11,915	578	..	1,159
1974-75	1,316	..	12,577	538	..	1,081
1973-74 -						
August	419	394	3,556	201	220	368
September	445	442	3,925	217	198	459
October	516	466	4,254	167	152	360
November	494	449	4,127	182	185	370
December	442	493	3,546	197	190	448
January	300	402	2,085	226	210	506
February	416	464	3,564	226	218	531
March	468	443	4,023	189	192	432
April	434	456	2,929	228	208	496
May	468	433	4,283	223	214	483
June	450	446	3,403	214	242	529
1974-75						
July	399	370	4,500	167	230	302
August	450	425	3,713	160	173	335
September	467	462	4,365	210	194	443

(a) Produced by Australian refineries from imported and indigenous petroleum. Source : Department of Minerals and Energy. (b) See explanatory notes, paragraph 6, page 2. (c) Includes double and triple superphosphate and ammonium phosphate, expressed in terms of single superphosphate, i.e. 22% P₂O₅ equivalent.

TABLE 3. - EXPORTS OF SELECTED MINERALS AND MINERAL PRODUCTS, AUSTRALIA (a)

Commodity (b)		Quantity					Value (\$'000)				
		July-Sept.				Sept. 1974	July-Sept.				Sept. 1974
		1972-73	1973-74	1973-74	1974-75		1972-73	1973-74	1973-74	1974-75	
METALLIC MINERALS AND METALS (c)											
Non-ferrous -											
Copper -											
Concentrate	tonnes	164,451	175,620	48,941	21,118	10,395	32,267	57,755	13,201	7,945	3,567
Blister	"	7,728	10,426	2,493	3,630	2,582	9,896	21,856	4,039	6,129	3,861
Refined	"	49,967	50,678	10,882	12,926	6,273	44,729	76,850	14,872	15,828	7,380
Matte, slags, etc.	"	9,829	8,392	5,786	264	..	2,640	2,436	1,233	106	..
Lead -											
Concentrate	tonnes	74,145	77,678	19,967	5,652	..	12,441	19,445	3,178	1,645	..
Bullion	"	142,270	147,820	39,774	35,006	23,599	44,940	73,059	15,509	14,960	9,235
Refined	"	149,691	134,231	21,903	27,382	7,671	36,400	43,671	6,427	10,760	2,954
Slags and residues	"	6,628	44,823	10,543	4,544	1,401	1,064	2,644	520	358	116
Zinc -											
Concentrate	tonnes	289,836	426,272	139,195	129,301	62,303	21,508	45,560	13,341	16,610	8,026
Refined	"	203,777	164,404	48,163	40,026	12,695	61,979	69,331	16,979	20,977	6,498
Slags and residues	"	5,011	6,758	2,278	1,443	134	617	1,647	385	578	55
Tin -											
Concentrate	tonnes	11,290	8,277	2,699	3,885	1,749	11,739	13,621	3,630	8,348	3,390
Refined	"	3,939	2,410	593	618	262	12,026	7,641	2,087	2,684	1,197
Aluminium (d) -											
Alumina	'000 tonnes	2,966	3,951	798	1,216	404	155,453	196,078	40,465	67,031	24,200
Refined	tonnes	81,344	45,829	13,275	12,686	3,759	30,767	20,725	5,921	6,721	1,800
Ferrous and alloy -											
Iron ore -											
Pellets	'000 tonnes	7,987	9,519	2,487	2,088	899	76,494	89,905	22,429	21,252	9,646
Fines	"	25,178	31,874	7,510	9,118	2,732	126,313	154,078	35,354	46,072	14,803
Lump	"	33,171	36,871	9,440	10,301	3,256	236,285	248,098	62,886	74,894	25,895
Tungsten -											
Scheelite concentrate	tonnes	1,553	1,653	560	594	318	3,019	3,355	1,113	1,941	1,297
Wolfram concentrate	"	818	382	173	159	92	1,734	792	364	602	375
Pig iron	tonnes	687,124	957,805	229,950	156,726	51,743	27,286	60,081	11,750	15,124	5,237
Steel ingots, blooms	"	743,169	729,572	162,638	207,241	108,302	48,377	64,059	12,411	24,676	15,580
Mineral sands -											
Ilmenite concentrate	tonnes	521,823	710,570	145,935	200,269	16,776	5,731	8,136	1,604	3,061	217
Rutile concentrate	"	338,760	359,043	96,126	66,595	27,192	39,750	45,324	11,679	9,636	4,159
Zircon concentrate	"	419,962	401,545	131,421	107,737	39,744	15,131	18,615	4,452	8,721	2,901
Precious -											
Gold, refined	'000 grams	10,136	4,344	544	1,691	549	18,239	13,660	1,584	5,630	1,829
Silver, refined	"	181,014	112,762	33,151	34,841	16,627	8,731	8,200	1,964	2,922	1,151
FUEL MINERALS											
Coal, black	'000 tonnes	25,751	27,755	7,275	8,045	2,534	290,703	326,565	83,785	141,033	46,681
Crude oil (e)	'000 cu m	330	288	73	62	21	4,910	8,520	1,521	3,651	1,251

(a) In addition to the commodities listed, significant quantities of nickel ores and concentrates are also exported, but details are not available for publication. (b) The Australian Export Commodity Classification for each commodity in this table is shown in Appendix A. (c) Quantities shown for metallic minerals are gross quantities, not metallic contents. Principal metallic contents of selected ores and concentrates exported are shown in Table 4. (d) In addition to alumina and refined aluminium, significant quantities of bauxite are exported, but details are not available for publication. (e) Includes also partly refined oil, topped crudes and enriched crudes.

TABLE 4. - PRINCIPAL METALLIC CONTENTS OF SELECTED ORES AND CONCENTRATES ETC. EXPORTED, AUSTRALIA (a)

Particulars	Metallic contents - estimated from assay							
	Copper	Lead	Zinc	Tin	Iron	Tungstic oxide	Gold	Silver
	tonnes	tonnes	tonnes	tonnes	'000 tonnes	metric ton units	'000 grams	'000 grams
1970-71	45,040	242,409	210,868	2,861	31,197	153,779	6,807	376,888
1971-72	44,310	198,306	203,549	4,589	32,174	156,541	3,131	404,807
1972-73	57,330	191,064	164,453	4,548	41,694	165,595	6,077	385,194
1973-74	62,016	197,322	237,293	3,975	51,552	139,866	3,176	416,465
July - Sept.								
1973-74	19,241	56,384	75,392	1,266	12,314	50,992	520	102,076
1974-75	9,603	39,364	69,113	1,700	13,589	51,528	2,093	93,742
September 1974 -								
Copper concentrate	2,339	..	..	..	..	..	628	387
Blister copper	2,567	..	..	..	..	..	400	371
Copper matte, slags, etc.	..	..	..	..	..	..	..	..
Lead bullion	..	23,456	..	..	..	..	..	52,849
Lead slags and residues	..	430	..	..	..	..	4	731
Zinc concentrate	..	..	32,398	..	..	..	..	7,519
Zinc slags and residues	..	..	112	..	..	..	..	..
Tin concentrate	..	..	..	652	..	..	..	..
Iron ore - Pellets	..	..	..	..	564	..	..	..
Fines	..	..	..	..	1,666	..	..	..
Lump	..	..	..	..	2,115	..	..	..
Scheelite concentrate	..	..	..	..	..	22,140	..	..
Wolfram concentrate	..	..	..	..	..	6,300	..	..
Total Sept. 1974	4,906	23,886	32,510	652	4,345	28,440	1,032	61,857

(a) The Australian Export Commodity Classification for each commodity in this table is shown in Appendix A.

TABLE 5. - IMPORTS OF SELECTED MINERALS AND MINERAL PRODUCTS, AUSTRALIA

Commodity (a)		Quantity					Value (\$'000)				
		July-Sept.				Sept. 1974	July-Sept.				Sept. 1974
		1972-73	1973-74	1973-74	1974-75		1972-73	1973-74	1973-74	1974-75	
METALS											
Tin, refined	tonnes	65	67	10	10	10	203	336	36	55	55
Nickel (pigs, anodes, etc.)	tonnes	1,060	2,687	542	475	55	2,677	5,474	1,067	1,262	159
Ferro-alloys	tonnes	27,203	46,335	10,054	11,969	2,041	7,801	12,570	2,411	4,812	1,008
Gold -											
Unrefined bullion (b)	'000 grams	3,091	2,697	791	518	319	5,205	7,265	1,933	1,431	862
Refined	"	160	7	1	6	6	233	21	1	8	8
FUEL MINERALS											
Crude oil (c)	'000 cu m	9,316	10,139	2,832	2,633	980	99,384	244,062	32,288	121,750	45,855
NON-METALLIC MINERALS											
Asbestos	tonnes	62,905	56,839	15,036	13,388	5,432	9,909	8,216	2,200	2,115	825
Diamonds -											
Industrial	metric carat	807,960	1,084,883	222,010	347,001	135,154	3,099	3,717	686	1,205	467
Gemstone	"	59,416	90,196	19,554	15,615	3,358	9,346	14,734	3,218	2,606	502
Phosphate rock	'000 tonnes	2,282	3,104	880	808	315	22,647	35,232	9,456	17,587	8,509
Potassium fertilisers	tonnes	165,412	190,597	58,252	41,974	24,159	4,701	5,220	1,496	561	901
Sulphur	tonnes	498,275	608,010	142,702	250,593	50,951	6,660	8,329	1,757	5,669	1,280

(a) The Australian Import Commodity Classification for each commodity in this table is shown in appendix B. (b) Gold content. (c) Includes also partly refined oil, topped crudes, enriched crudes and refinery feedstock.

TABLE 6. - EXPORTS OF SELECTED MINERALS AND METALS BY COUNTRY OF CONSIGNMENT, AUSTRALIA (a) (b)

Country	Quantity					Value (\$'000)				
	1972-73	1973-74	July-Sept.		Sept. 1974	1972-73	1973-74	July-Sept.		Sept. 1974
			1973-74	1974-75				1973-74	1974-75	
REFINED COPPER										
— tonnes —										
France	7,268	12,913	2,849	2,632	1,683	6,214	19,119	3,894	3,196	2,048
Germany, Fed. Rep.	13,798	15,734	2,996	3,729	1,625	12,255	22,940	3,943	4,938	1,979
Japan	4,030	8,054	1,412	2,090	1,095	3,547	14,375	1,999	2,388	984
United Kingdom	23,295	11,601	3,353	2,002	1,001	21,223	17,135	4,641	2,449	1,237
Other countries	1,576	2,376	272	2,473	869	1,491	3,281	395	2,857	1,132
Total	49,967	50,678	10,882	12,926	6,273	44,729	76,850	14,872	15,828	7,380
LEAD BULLION										
— tonnes —										
Germany, Fed. Rep.	10,295	9,358	2,591	..	..	2,877	3,738	728	..	..
Netherlands	15,199	13,727	4,115	4,140	..	4,004	4,575	1,166	1,863	..
United Kingdom	116,776	124,484	33,068	30,866	23,599	38,060	64,642	13,615	13,097	9,235
Other countries	..	251	..	..	..	..	104	..	..	..
Total	142,270	147,820	39,774	35,006	23,599	44,940	73,059	15,509	14,960	9,235
REFINED LEAD										
— tonnes —										
India	26,109	21,592	4,811	8,119	4,719	6,302	6,734	1,342	3,399	1,845
Italy	7,001	15,001	2,001	1,000	..	1,732	5,130	615	352	..
New Zealand	5,082	6,023	1,699	1,386	471	1,315	2,121	525	526	172
Thailand	4,293	4,629	844	1,488	610	1,158	1,636	246	609	231
United Kingdom	47,775	36,821	3,710	8,103	..	12,101	12,579	1,189	2,905	..
United States of America	46,480	8,712	226	..	..	10,364	1,254	47	..	..
Other countries	12,951	41,453	8,612	7,286	1,871	3,428	14,216	2,463	2,968	707
Total	149,691	134,231	21,903	27,382	7,671	36,400	43,671	6,427	10,760	2,954
ZINC CONCENTRATE										
— tonnes —										
Belgium-Luxembourg	24,784	27,631	..	28,193	..	1,809	2,978	..	3,364	..
Finland	28,155	16,462	16,462	..	..	1,886	1,953	1,953	..	..
Germany, Fed. Rep.	18,827	5,215	..	8,251	..	1,342	434	..	987	..
Japan	147,654	213,508	57,547	71,000	40,446	11,576	24,922	5,821	9,738	5,505
Norway	22,873	26,479	15,724	7,752	7,752	1,719	2,455	1,306	928	928
United Kingdom	29,399	66,347	20,672	14,105	14,105	1,970	6,193	1,788	1,593	1,593
Other countries	18,144	70,630	28,790	..	..	1,206	6,625	2,473	..	..
Total	289,836	426,272	139,195	129,301	62,303	21,508	45,560	13,341	16,610	8,026

(a) The Australian Export Commodity Classification for each commodity in this table is shown in Appendix A. (b) Quantities shown for metallic minerals are gross quantities, not metallic contents. Principal metallic contents of selected ores and concentrates exported are shown in Table 4.

TABLE 6. — EXPORTS OF SELECTED MINERALS AND METALS BY COUNTRY OF CONSIGNMENT, AUSTRALIA (a) (b) — continued

Country	Quantity					Value (\$'000)				
	1972-73	1973-74	July - Sept.		Sept. 1974	1972-73	1973-74	July - Sept.		Sept. 1974
			1973-74	1974-75				1973-74	1974-75	
REFINED ZINC										
	— tonnes —									
India	18,475	19,009	6,950	4,451	..	5,699	7,193	2,200	2,358	..
Indonesia	10,581	15,939	3,718	2,657	1,193	3,298	7,095	1,265	1,507	671
Malaysia	7,200	6,546	1,401	2,321	853	2,266	2,873	491	1,284	463
New Zealand	20,901	19,876	4,567	4,129	739	6,394	8,408	1,643	2,149	408
Taiwan	14,114	15,995	4,503	1,828	..	4,377	6,811	1,580	1,196	..
Thailand	14,446	15,114	2,194	3,007	1,424	4,480	6,547	750	1,675	794
United Kingdom	42,576	21,091	12,132	5,589	2,646	10,490	7,144	3,903	1,977	936
United States of America	47,854	27,857	6,864	10,445	5,507	16,301	13,818	2,987	5,787	3,042
Other countries	27,630	22,977	5,834	5,599	333	8,674	9,442	2,160	3,045	184
Total	203,777	164,404	48,163	40,026	12,695	61,979	69,331	16,979	20,978	6,498
IRON ORE										
	— '000 tonnes —									
Belgium-Luxembourg	1,498	1,785	567	585	108	5,878	6,627	1,900	2,618	476
France	851	1,355	..	352	185	3,518	7,258	..	1,731	929
Germany, Fed. Rep.	1,731	2,235	550	1,136	612	10,612	11,046	2,753	7,318	4,848
Italy	1,812	1,882	447	495	113	10,923	9,991	2,195	1,862	325
Japan	56,458	64,948	16,828	17,318	5,430	384,029	422,909	108,465	118,042	40,731
United Kingdom	1,328	919	213	103	103	8,704	4,914	1,302	767	767
United States of America	572	496	103	204	102	3,576	2,851	389	1,404	630
Other countries	2,086	4,645	726	1,314	234	11,851	26,485	3,664	8,477	1,640
Total	66,336	78,265	19,435	21,506	6,887	439,092	492,081	120,668	142,218	50,345
MINERAL SANDS										
	— tonnes —									
Belgium-Luxembourg	34,907	10,356	5,750	1,237	637	2,037	447	183	129	47
France	140,284	204,790	54,771	34,092	2,650	2,478	3,670	730	839	121
Italy	44,811	64,491	13,418	6,193	2,319	2,012	3,666	651	936	403
Japan	274,514	317,507	83,022	97,678	30,479	10,965	12,726	3,468	5,066	2,035
Netherlands	78,545	99,718	34,078	13,496	2,228	4,368	6,531	1,746	1,692	206
United Kingdom	281,569	321,536	62,250	98,851	11,255	8,883	13,452	2,846	3,254	1,570
United States of America	285,381	266,006	65,962	42,029	7,075	21,108	19,432	4,574	3,971	625
Other countries	140,534	186,754	54,231	81,025	27,069	8,760	12,151	3,538	5,531	2,271
Total	1,280,545	1,471,158	373,482	374,601	83,712	60,612	72,075	17,735	21,418	7,278
BLACK COAL										
	— '000 tonnes —									
Belgium-Luxembourg	361	286	100	98	53	4,429	2,930	834	1,794	956
Greece	564	524	103	89	53	5,927	4,643	974	1,307	672
Italy	579	997	345	401	109	6,809	10,054	3,673	7,469	2,285
Japan	23,066	23,611	6,429	6,009	1,941	260,205	282,171	75,289	110,460	37,546
Korea, Rep.	94	665	142	228	49	1,031	7,989	1,741	4,049	831
Netherlands	652	730	157	259	75	7,330	7,645	1,271	2,978	1,099
United Kingdom	127	341	..	393	192	1,519	4,401	..	5,580	2,455
Other countries	306	601	..	567	61	3,452	6,732	4	7,395	837
Total	25,751	27,755	7,275	8,045	2,534	290,703	326,565	83,785	141,033	46,681

(a) The Australian Export Commodity Classification for each commodity in this table is shown in Appendix A. (b) Quantities shown for metallic minerals are gross quantities, not metallic contents. Principal metallic contents of selected ores and concentrates exported are shown in Table 4.

TABLE 7. - AVERAGE DAILY PRICES OF SELECTED METALS, AUSTRALIAN AND OVERSEAS MARKETS (a) (b)

Period	Copper		Lead			Zinc					
	Aust. (\$A - tonne)	L.M.E. (£Stg - metric ton)	Aust. (\$A - tonne)	L.M.E. (£Stg - metric ton)	U.S.A. (USc-lb)	Aust. (\$A - tonne)	L.M.E. (£Stg - metric ton)	Prod. (£Stg - ton)	U.S.A. (USc-lb)		
	1	2	3	4	5	6	7	8	9		
1971-72	(c) 976.6	427.9	(c)237.9	106.7	14.72	(c)343.0	141.4	150.0	17.21		
1972-73	990.3	508.6	(c)250.0	137.8	15.63	(c)355.5	177.2	174.3	19.41		
1973-74	1,428.8	980.7	358.4	237.4	18.48	454.2	582.0	282.4	27.45		
1974-75 - Highest	1,480.0	852.5	380.0	246.0	24.50	640.0	501.0	360.0	40.00		
Lowest	980.0	563.5	355.0	216.5	24.50	519.0	318.0	330.0	34.50		
1973-74 - August	1,489.6	843.5	320.0	176.7	16.50	400.0	368.9	220.0	20.97		
September	1,370.0	799.6	302.5	183.5	16.50	400.0	402.7	226.0	20.63		
October	1,360.0	849.6	295.0	193.9	16.50	400.0	477.9	250.0	20.63		
November	1,441.8	950.4	295.0	204.2	16.50	413.4	676.3	259.1	20.63		
December	1,454.2	959.9	330.0	255.3	17.87	477.0	697.0	300.0	27.16		
January	1,377.0	913.2	370.0	254.0	18.09	465.6	620.0	300.0	30.50		
February	1,477.0	1,006.5	349.0	285.1	19.00	452.0	664.1	300.0	31.62		
March	1,460.0	1,172.0	410.0	302.6	19.12	468.4	694.7	330.0	31.92		
April	1,460.0	1,267.7	465.0	293.5	20.87	521.0	727.4	330.0	34.50		
May	1,460.0	1,190.6	465.0	276.6	21.50	524.6	736.3	330.0	34.75		
June	1,460.0	1,020.1	416.3	238.2	22.85	541.0	588.4	330.0	34.75		
1974-75 - July	1,402.0	801.9	367.8	229.0	24.50	541.0	458.0	330.0	36.48		
August	1,264.0	767.9	380.0	233.9	24.50	536.8	453.4	330.0	38.00		
September	1,017.0	631.0	363.3	232.3	24.50	539.3	392.7	342.9	38.55		
October	1,073.9	599.2	380.0	230.0	24.50	640.0	353.1	360.0	39.00		
Period	Tin			Nickel	Aluminium		Gold		Silver		
	Aust. (\$A - tonne)	L.M.E. (£Stg - metric ton)	Straits (\$ Mal- picul)	U.K. (d) (£Stg - metric ton)	Aust. (\$A-tonne)	U.S.A. (USc-lb)	Premium mar- kets (\$A-f.oz)	Australia and Overseas	U.K. (\$US-f.oz)	Aust.(e) (\$A-kg)	U.K. (£Stg new pence- f.oz)
	10	11	12	13	14	15	16	17	18	19	
1971-72	(c)3,306.3	1,435.8	629.7	1,246.5	(c)578.0	26.7	39.74	46.89	(f)126.9	58.6	
1972-73	(c)3,291.2	1,630.5	627.7	1,371.8	(c)578.0	24.3	58.40	77.92	(f)156.6	83.6	
1973-74	4,774.1	2,882.8	957.0	1,476.4	(c)591.0	28.2	88.47	130.76	82.33	162.8	
1974-75 - Highest	6,390.0	4,195.0	1,310.0	1,781.2	649.0	39.0	115.68	168.25	104.5	220.8	
Lowest	5,298.0	2,925.0	927.5	1,511.0	591.0	33.5	92.63	131.50	89.3	158.7	
1973-74 - August	3,820.1	2,025.4	695.6	1,351.0	(c)578.0	25.0	79.55	106.76	63.0	108.0	
September	3,612.0	2,067.9	688.4	1,385.7	(c)578.0	25.0	68.81	102.97	59.2	108.9	
October	3,700.9	2,213.2	705.4	1,418.8	(c)578.0	25.6	67.85	100.08	58.6	117.3	
November	3,913.3	2,349.8	790.2	1,413.3	(c)578.0	26.3	64.46	94.92	61.4	118.5	
December	4,265.7	2,788.5	860.8	1,414.3	(c)578.0	27.0	70.11	106.39	63.5	133.3	
January	4,284.1	2,884.7	913.0	1,463.2	591.0	30.3	81.95	129.37	70.4	162.0	
February	5,100.0	3,308.3	1,074.5	1,596.1	591.0	29.0	98.94	150.24	83.8	231.7	
March	5,619.9	3,528.0	1,166.3	1,639.5	591.0	29.0	112.99	168.71	123.2	228.9	
April	6,326.7	3,847.1	1,292.6	1,639.5	591.0	31.5	114.54	172.23	117.4	209.7	
May	6,521.9	3,855.0	1,301.7	1,537.9	591.0	31.5	110.59	163.27	122.2	222.3	
June	6,391.4	3,774.6	1,305.2	1,525.7	591.0	33.5	105.08	154.01	106.7	202.5	
1974-75 - July	6,048.0	3,411.7	1,175.5	1,511.0	591.0	33.5	92.63	148.70	100.3	181.4	
August	6,079.3	3,739.4	1,238.9	1,679.9	591.0	33.5	102.33	154.68	104.0	189.2	
September	5,868.3	3,903.3	1,162.9	1,750.5	635.2	38.7	106.30	151.77	89.3	174.3	
October	5,691.5	3,180.8	1,003.0	1,781.2	649.0	39.0	115.68	158.78	104.5	205.2	

(a) Where a daily market does not actually exist for a commodity, daily prices have been imputed from price data which are available. The numerals shown at the head of each column are reference numbers which relate to the detailed price specifications set out in Appendix C. Appendix C also sets out explanations for abbreviations used, and currency and quantity equivalents for the units referred to in this table. (b) See paragraph 3, page 2. (c) \$A per ton. (d) The price shown for each month is the US producer price (adjusted to UK currency as quoted in UK) on the first trading day of the month. Annual prices are averages of monthly prices. (e) Monthly prices are prices quoted on the first trading day of the month. Annual prices are the averages of the monthly prices. (f) Ac (Australian cents) per f. oz. (g) Relates to the period after January 1974 when prices were expressed in \$A-tonne.

TABLE 8. - PRICES OF SELECTED ORES AND CONCENTRATES, AUSTRALIAN AND OVERSEAS MARKETS (a) (b)

Period	Ilmenite (c)				Rutile (c)		Zircon (c)	
	Tin Aust. (d) (\$A-mtu)	Wolfram U.K. (d) (£ Stg-mtu)	Aust. (\$A-tonne)	U.K. (\$A-metric ton)	Aust. (\$A-tonne)	U.K. (\$A-metric ton)	Aust. (\$A-tonne)	U.K. (\$A-metric ton)
	20	21	22	23	24	25	26	27
1971-72	(e)28.27	14.00-22.00	(f)11-12	(g)9.35-11.32	(f)115-150	(g)64.00-79.72	(f)35-39	(g)26.82-28.05
1972-73	(e)27.93	14.00-19.15	(f)10.5-12.0	(g)9.35-11.32	(f)115-125	(g)64.00-87.00	(f)35-39	(g)26.82-38.00
1973-74	42.43	15.70-45.50	10.5-12.0	(g)9.35-11.32	125-130	(h)127.00-240.00	45.50	(h)45.00-200.00
1974-75 -								
Highest	53.69	50.25	12.0	15.00	(i)	330.00	(i)	330.00
Lowest	50.51	41.00	11.0	13.00	(i)	200.00	(i)	170.00
1973-74 -								
August	32.61	17.10-17.60	10.5-11.0	(g)9.35-11.32	125-130	(g)86.00-90.00	45-50	(g)42.00-44.00
September	30.73	17.80-18.60	11.0-12.0	(g)9.35-11.32	(i)	127.00-132.00	(i)	45.00-50.00
October	31.75	18.60-19.10	11.0-12.0	(g)9.35-11.32	(i)	127.00-132.00	(i)	45.00-50.00
November	33.65	19.50-20.20	11.0-12.0	(g)9.35-11.32	(i)	140.00-148.00	(i)	65.00-75.00
December	36.83	21.00-21.75	11.0-12.0	(g)9.35-11.32	(i)	140.00-148.00	(i)	65.00-75.00
January	37.31	21.00-22.25	11.0-12.0	(g)9.35-11.32	(i)	140.00-148.00	(i)	65.00-75.00
February	44.84	21.70-22.70	11.0-12.0	(g)9.35-11.32	(i)	145.00-152.00	(i)	90.00-100.00
March	49.67	35.15-37.00	11.0-12.0	(g)9.35-11.32	(i)	145.00-152.00	(i)	90.00-100.00
April	58.58	25.70-26.35	11.0-12.0	(g)9.35-11.32	(i)	165.00-180.00	(i)	115.00-130.00
May	57.38	36.00-37.00	11.0-12.0	(g)9.35-11.32	(i)	175.00-200.00	(i)	140.00-160.00
June	55.87	42.00-45.50	11.0-12.0	(g)9.35-11.32	(i)	200.00-240.00	(i)	170.00-200.00
1974-75 -								
July	52.47	41.00-43.00	11.0-12.0	(g)9.35-11.32	(i)	200.00-240.00	(i)	170.00-200.00
August	52.88	42.00-44.50	(i)	13.00-14.00	(i)	280.00-320.00	(i)	270.00-310.00
September	50.51	47.50-49.00	(i)	13.00-14.00	(i)	280.00-320.00	(i)	270.00-310.00
October	53.69	48.25-50.25	(i)	13.00-15.00	(i)	290.00-330.00	(i)	290.00-330.00

(a) The numerals shown at the head of each column are reference numbers which relate to the detailed price specifications set out in Appendix C. Appendix C also sets out explanations for abbreviations used, and currency and quantity equivalents for the units referred to in this table. (b) See paragraph 3, page 2. (c) Monthly prices are the ranges quoted on the first trading day of the period indicated. Annual prices are a range of lowest and highest prices derived from these monthly prices. (d) Monthly prices are averages of daily prices throughout the month. Annual prices are averages of monthly prices. (e) \$A per long ton unit. (f) \$A per ton. (g) £ Stg per metric ton. (h) Relates to the period after August 1973. (i) No price quoted.

TABLE 9. - PRICE INDEX OF METALLIC MATERIALS USED IN THE MANUFACTURE OF FABRICATED METAL PRODUCTS GROUP AND ALL GROUPS INDEX NUMBERS (a)
(Base : Year 1968-69 = 100.0) (b)

Period	Iron and steel	Aluminium	Copper and brass	Other metallic materials	All groups
	83.2% (c)	8.9% (c)	5.7% (c)	2.2% (c)	
1971-72	116.2	106.8	106.2	83.6	114.1
1972-73	122.6	109.2	106.6	98.7	120.0
1973-74	131.7	118.2	138.1	151.3	131.3
1973-74 -					
October	125.8	113.3	131.7	118.9	124.9
November	130.9	114.0	138.1	116.7	129.5
December	131.6	115.3	140.0	127.3	130.6
January	131.8	118.7	135.2	139.8	131.0
February	131.9	118.7	138.4	135.0	132.5
March	133.1	122.1	141.0	197.6	134.0
April	138.5	123.5	141.2	177.3	138.2
May	139.9	127.3	141.8	209.0	140.4
June	140.2	127.6	144.3	192.8	140.4
1974-75 -					
July	149.3	130.1	146.1	165.5	147.8
August	149.5	130.1	139.3	181.5	147.9
September	151.1	137.5	130.4	161.5	148.9
October	151.5	137.5	129.6	204.3	150.2

(a) See Appendix D for details on this index. (b) Figures are shown to one decimal place to avoid distortions that would occur in rounding off the index number to the nearest whole number. (c) Value weight (%) of group to all groups.

TABLE 10. - EXPORT PRICE INDEX, AUSTRALIA (a)
(Base: Year 1959-60 = 100)

Period	Metals and coal (b)	Gold	All groups (c)
1971-72	138	126	104
1972-73	142	180	134
1973-74	196	289	160
1973-74 -			
September	167	224	152
October	167	219	150
November	172	219	147
December	182	230	153
January	197	255	169
February	204	317	169
March	218	368	168
April	231	382	168
May	244	374	173
June	238	341	171
1974-75 -			
July	244	310	p173
August	242	337	p173
September	249	347	p177

(a) See Appendix E for details on this index. (b) Comprises iron and steel, copper, zinc, lead, silver, and coal. (c) Includes in addition to the items of the previous series, the four items iron ore, bauxite, alumina, and mineral sands.

TABLE 11. - AUSTRALIAN GOVERNMENT PAYMENTS TO THE MINERAL INDUSTRY AND TO THE MANUFACTURING INDUSTRY FOR PRODUCTS OF MINERAL ORIGIN, AUSTRALIA (\$'000)

Period	Petroleum exploration (a) (b)	Gold mining (b) (c)	Phosphate fertiliser production (d)
1971-72	7,572	1,852	45,795
1972-73	8,084	295	56,568
1973-74	8,911	16	66,962
July-Oct.			
1973-74	4,034	..	11,937
1974-75	2,122	(-)1(e)	15,566
1973-74 -			
August	993	..	2,911
September	842	..	2,200
October	1,225	..	2,423
November	356	..	3,206
December	1,124	16	2,413
January	895	..	6,458
February	556	..	6,798
March	539	..	8,922
April	643	..	10,701
May	762	..	10,303
June	1	..	6,224
1974-75 -			
July	498	(-)1(e)	6,121
August	871	..	437
September	281	..	1,939
October	472	..	7,069

(a) Petroleum Search Subsidy Act 1959-1969. (b) Includes Papua New Guinea. (c) Gold Mining Industry Assistance Act 1954-1972. (d) Phosphate Fertilisers Bounty Act 1963-1971. (e) Repayment of excess of subsidy advance over subsidy entitlement.

TABLE 12. — SUPPLIES AND DISPOSALS OF GOLD BULLION

Period	Supplies			Disposals			Apparent change in stocks held in Australia (c)	Gold specie — net surplus of imports
	Refinery production (a)	Imports (b)	Total	Exports	Net industrial consumption	Total		
	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams	\$A
1971-72	17,109	3,218	20,327	3,718	27,648	31,366	-11,039	83,767
1972-73	15,373	3,251	18,624	10,136	7,576	17,712	912	42,692
1973-74	11,963	2,704	14,667	4,344	10,854	15,198	-531	78,965
July — Sept.								
1973-74	3,494	792	4,286	544	2,215	2,759	1,527	-146,964
1974-75	3,120	524	3,644	1,691	1,281	2,972	672	-287,786
1973-74 —								
August	1,054	248	1,302	24	899	923	379	-23,695
September	1,350	299	1,649	18	589	607	1,042	-65,303
October	1,009	236	1,245	292	2,563	2,855	-1,610	-143,784
November	994	276	1,270	..	1,242	1,242	28	-143,256
December	1,242	183	1,425	..	1,386	1,386	39	7,828
January	458	266	724	915	585	1,500	-776	12,891
February	815	213	1,028	264	442	706	322	83,263
March	1,063	181	1,244	39	915	954	290	35,349
April	915	192	1,107	285	304	589	518	53,618
May	981	178	1,159	1,509	263	1,772	-613	196,369
June	992	187	1,179	496	939	1,435	-256	123,651
1974-75 —								
July	1,025	57	1,082	1,142	222	1,364	-282	-45,329
August	743	142	885	..	651	651	+234	-147,574
September	1,352	325	1,677	549	408	957	+720	-94,883

(a) Refinery production from newly-won gold of Australian origin and scrap of domestic and overseas origin. (b) Includes gold content of gold bullion imported for refining in Australia. (c) Apparent changes in stocks calculated as the difference between supplies and disposals; includes changes in holdings in Australia by official and banking institutions both on their own behalf and that of non-residents.

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NOTE. Inquiries concerning these statistics may be made in Canberra by telephoning Mr B. Thorp on 49 0211 extension 391 or, in each State capital, by telephoning the office of the Australian Bureau of Statistics.

APPENDIX A
AUSTRALIAN EXPORT COMMODITY CLASSIFICATION (A.E.C.C.) 1974-75
ITEMS INCLUDED IN TABLES 3, 4 and 6

<i>Commodity</i>	<i>Statistical item</i>	<i>Description</i>
Non-ferrous -		
Copper -		
Concentrate	283.11.00	Ores and concentrates of copper
Blister	682.11.09	Black, blister, rough or standard copper
Refined	682.12.01	Refined copper
Matte, slags, etc.	284.00.23	Copper-lead dross and speiss
	284.00.24	Copper slags and residues
	283.12.00	Copper matte (including copper-lead matte)
Lead -		
Concentrate	283.40.00	Ores and concentrates of lead
Bullion	685.10.11	Bullion (lead and silver-lead)
Refined	685.10.19	Unworked n.e.s.
Slags and residues	284.00.25	Lead slags and residues
Zinc -		
Concentrate	283.50.00	Ores and concentrates of zinc
Refined	686.10.00	Unworked zinc and zinc alloys
Slags and residues	284.00.27	Zinc slags and residues
Tin -		
Concentrate	283.60.00	Ores and concentrates of tin
Refined	687.10.01	Refined tin
Aluminium -		
Alumina	513.65.01	Alumina
Refined	684.10.00	Unworked aluminium and aluminium alloys
Ferrous and alloy -		
Iron ore -		
Pellets	281.30.01	Pellets
Fines	281.30.05	Fines
Lump	281.30.09	Other (including lump and run-of-mine)
Tungsten -		
Scheelite concentrate	283.92.09	Scheelite
Wolfram concentrate	283.92.01	Wolfram
Pig iron	671.10.00	Spiegeleisen
	671.20.00	Pig iron and cast iron
Steel ingots, blooms	672.40.01	Ingots, blocks, lumps and similar forms of iron or steel
	672.40.09	Other
	672.51.00	Blooms, billets, slabs, sheet bars and roughly forged pieces (except of high carbon or alloy steel)
	672.54.00	Blooms, billets, slabs, sheet bars and roughly forged pieces of high carbon or alloy steel
Mineral sands -		
Ilmenite concentrate	283.93.13	In bulk
	283.93.15	In bags, drums and similar containers
Rutile concentrate	283.93.02	In bulk
	283.93.03	In bags, drums and similar containers
Zircon concentrate	283.93.19	In bulk - Premium grade
	283.93.21	In bulk - Standard grade
	283.93.23	In bags, drums and similar containers
Precious -		
Gold, refined	991.00.03	Mint bullion (i.e. in the form accepted in inter-bank transactions)
	991.00.08	Refined bullion (except mint bullion)
	681.10.01	Mint bullion (i.e. in the form accepted in inter-bank transactions)
Silver, refined	681.10.09	Other
Coal, black	321.40.00	Coal (anthracite, bituminous and sub-bituminous)
Crude oil	331.01.00	Crude petroleum
	331.02.00	Petroleum, partly refined (including topped crudes and enriched crudes)

APPENDIX B
AUSTRALIAN IMPORT COMMODITY CLASSIFICATION (A.I.C.C.) 1974-75
INCLUDED IN TABLE 5

Commodity	Statistical item	Description
Tin refined	687.10.01	Tin
Nickel pigs, anodes, etc.	{ 683.10.01	Pellets; shot; granulated
	{ 683.10.02	Other
	{ 683.24.00	Electroplating anodes of nickel
Ferro-alloys	{ 671.40.09	Ferro-manganese
	{ 671.50.02	Ferro-chromium
	{ 671.50.03	Ferro-molybdenum
	{ 671.50.04	Ferro-nickel
	{ 671.50.05	Ferro-silicon
	{ 671.50.06	Ferro-silico-manganese
	{ 671.50.08	Other
Gold -		
Unrefined bullion	991.00.02	Unrefined bullion
Refined forms	{ 991.00.03	Mint bullion (i.e. in the form accepted in inter-bank transactions)
	{ 991.00.04	Refined bullion (except mint bullion)
Crude oil	{ 331.01.00	Crude petroleum
	{ 331.02.01	Topped crudes
	{ 331.02.02	Crude petroleum, enriched with a distillate from crude petroleum
	{ 331.02.09	Other oils for use as refinery feed-stock (including enriched residuals)
Asbestos	{ 276.40.01	Amosite
	{ 276.40.02	Chrysotile (white)
	{ 276.40.09	Other
Diamonds -		
Industrial	{ 275.10.01	Uncut
	{ 275.10.09	Other
	{ 275.21.01	Diamond dust and powder
Gemstone	667.20.00	Gemstone diamonds
Phosphate rock	271.30.00	Natural phosphates, whether or not ground
Potassium fertilisers	{ 561.30.01	Potassium chloride
	{ 561.30.02	Potassium sulphate
	{ 561.30.09	Other
Sulphur	{ 274.10.01	In bulk
	{ 274.10.05	Bagged or otherwise packed -
	{ 274.10.07	Insoluble
	{ 274.10.07	Other

APPENDIX C
PRICES OF SELECTED METALS AND MINERALS (TABLES 7 AND 8)

Reference number	Particulars of Price Bases
1.	Refined electrolytic copper, ex-smelter Port Kembla.
2.	Refined electrolytic copper wirebars, L.M.E. warehouse, mid-day cash price, average of buyers' and sellers' quotes, L.M.E.
3.	Refined soft pig lead, f.o.b./f.o.r. Port Pirie.
4.	Refined soft pig lead, L.M.E. warehouse, mid-day cash price, average of buyers' and sellers' quotes, L.M.E.
5.	Refined soft pig lead, ex-warehouse, mid-day New York.
6.	Zinc, g.o.b. grade, delivered Melbourne, Sydney, Port Kembla and Adelaide.
7.	Zinc, g.o.b. grade, L.M.E. warehouse, mid-day cash price, average of buyers' and sellers' quotes, L.M.E.
8.	Zinc, g.o.b. grade, producers' basis price.
9.	Zinc, Prime Western, delivered.
10.	Refined tin, domestic 5 tonne lots, delivered Sydney.
11.	Refined tin, L.M.E. warehouse, mid-day cash price, average of buyers' and sellers' quotes, L.M.E.
12.	Refined tin, ex-works, Penang.
13.	Refined nickel, delivered United Kingdom.
14.	Refined aluminium, 99.5% domestic, 1-20 ingots, c.i.f. capital cities.
15.	Refined aluminium, ingot 99.5% carload lots delivered.
16.	Australian gold sold on Australian and Overseas premium markets by the Gold Producers' Association. Prices relate to the month in which sales contracts are negotiated and do not necessarily relate to the month in which the gold is actually delivered and/or exported. The Reserve Bank official price is \$28.38 per fine ounce.
17.	Refined gold, spot, London open market.
18.	Refined silver, minimum lots of 320 kilograms, f.o.b. or f.o.r. Port Pirie.
19.	Refined silver, spot, London.
20.	Concentrates, per mtu of contained tin, 70% Sn grade, delivered Sydney.
21.	Concentrates, per mtu, wolfram, c.i.f. standard quality minimum 65% WO ₃
22.	Nominal prices*, concentrates, 52-54% TiO ₂ , f.o.b. Bunbury.
23.	Concentrates, 52-54% TiO ₂ , Malaysian origin, c.i.f.
24.	Nominal prices*, concentrates, 95-97% TiO ₂ , bagged f.o.b./f.o.r.
25.	Concentrates, 95-97% TiO ₂ , bagged, f.o.b. f.i.d. (c.i.f. up to and including August 1973)
26.	Nominal prices*, concentrates, bagged minimum 65% ZrO ₂ , f.o.b.
27.	Concentrates, 66-67% ZrO ₂ , standard grade, f.o.b. f.i.d. (c.i.f. up to and including August 1973)

* These domestic prices for ores and concentrates are nominal, the prices quoted being subject to negotiation between the producer and purchaser. Ore and concentrate prices will also vary according to grade and possible impurities, and in many cases with size of the ore parcel.

Currency and quantity equivalents and abbreviations used in Appendix C

Unit	Equivalent to -		
\$ Mal 1	Sept. \$0.32	c.i.f.	cost, insurance, freight
£ Stg 1	Sept. \$1.79	f.i.d.	free into container depot
\$US 1	Sept. \$0.76	f.o.b.	free on board
f.oz	31.1035g	f.o.r.	free on rail
lb	0.45359237 kg	g.o.b.	good ordinary brand
ltu	10.160469 kg	L.M.E.	London Metal Exchange
mtu	10 kg	ltu	long ton unit
picul	60.47898 kg	mtu	metric ton unit
metric ton	1 tonne		
ton	1.01605 tonne		
1 Stg new pence	d Stg. 2.4		

APPENDIX D

**NOTES CONCERNING PRICE INDEX OF METALLIC MATERIALS
USED IN THE MANUFACTURE OF FABRICATED METAL PRODUCTS
(TABLE 9)**

1. This index is a fixed weights index compiled on the reference base 1968-69 = 100.0 using the method known as the weighted arithmetic mean of price relatives.
2. Prices for each of the items relate to representative goods of fixed specification collected from a selection of representative sources. In each case these specifications are sufficiently detailed to ensure that the price changes incorporated in the indexes are measured, as far as possible, on the basis of constant quality.
3. The price series used are obtained monthly, by mail collection, from major Australian manufacturers of the relevant materials. Prices are in most cases collected as at the mid-point of each month.
4. The prices collected are, as far as possible, those normally charged to representative manufacturers for goods delivered into their stores.
5. The index comprises important metallic materials selected and combined in accordance with a weighting pattern which reflects values of materials used as reported in the 1968-69 Census of Manufacturing Establishments for establishments classified to the Fabricated Metal Products Sub-division of Manufacturing Industry (Australian Standard Industrial Classification Sub-division 31).

APPENDIX E

NOTES CONCERNING EXPORT PRICE INDEX (TABLE 10)

1. Figures from July 1969 have been compiled on an interim basis which incorporates a re-weighting (1969-70 basis) of the items contained in the previous series and the inclusion of some additional items. The interim series have been linked to the previous series at June 1969. A comprehensive review and re-basing of the index is being undertaken.
2. The base of each index is: Year 1959-60 = 100.
3. The "All groups" index includes wool, meats, dairy produce, cereals, dried and canned fruits, sugar, hides and tallow, metals and coal, gold, and (from July 1969) iron ore, bauxite, alumina and mineral sands.
4. A detailed description of the index as constructed up to June 1969 is given in *Year Book* No. 58, 1972, pages 240-242. The interim series was introduced in the July 1970 issue of *Export Price Index* (Reference No. 9.2).

APPENDIX F

IMPERIAL : METRIC CONVERSION

Details of units and conversion factors used in compiling data for this bulletin.

	<i>Imperial Unit</i>	<i>Metric Unit</i>	<i>Conversion factors</i>	
			<i>Imperial to metric: multiply imperial by</i>	<i>Metric to imperial: multiply metric by</i>
Area				
	Square yard (sq.yd.)	square metre (sq.m.)	0.83612736*	1.19599
Mass				
	Troy (fine ounce) (f.oz.)	gram (g)	31.1035	0.0321507
	long ton unit (ltu)	metric ton unit (mtu) (10 kg)	1.01605	0.984207
	short ton (sh.ton)	tonne (t)	0.907185	1.10231
	ton (ton)	tonne (t)	1.01605	0.984207
Volume				
	Cubic foot (cu.ft)	cubic metre (cu.m)	0.0283168	35.3147
Volume (fluids)				
	Gallon (gal.)	litre (l)	4.54609*	0.219969
	barrel (bl.)	litre (l)	158.987	0.00628981
	barrel (bl)	cubic metre (cu.m) (1,000 litres)	0.158987	6.28981
		*exact conversion.		