



MINERALS AND MINERAL PRODUCTS

AUGUST 1975

Reference No. 10.19

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 AUGUST 1975**

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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. In order to achieve early release for the majority of the statistics, this bulletin is published according to a set timetable. Consequently, although the statistics shown are the latest available at the time of issue they do not in all cases relate to the month to which the bulletin title refers.

3. 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

4. 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 Police and Customs.

Tables 7 and 8. Prices data are mainly derived from information collected and compiled by the Bureau of Mineral Resources. Overseas data are supplied to the Bureau of Mineral Resources by the *Metal Bulletin* and *Metals Week*. 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

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

Commodity Grouping

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

Seasonal Adjustment

7. 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 1975* (Reference No. 1.10).

Metric Units

8. 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

9. 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
- 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** *Production Statistics Australia* (Reference No. 12.14) (Manufacturing Commodities) (a)
Overseas Trade Statistics : Part 1 - Exports (Reference No. 8.9) (a)
Overseas Trade Statistics : Part 2 - Imports (Reference No. 8.10) (a)
Monthly Bulletin of Copper, Lead and Zinc Statistics (a) (b)
Monthly Bulletin of Tin Statistics (a) (b)
Monthly Bulletin of Metal and Mineral Prices (a) (b)
- Quarterly** *Australian Mineral Industry Quarterly Review and Statistics* (b)
Quarterly Bulletin of Mineral Sands Statistics (a) (b)
- Annual** *Mineral Production* (Reference No. 10.51) (a)
Manufacturing Commodities : Principal Articles Produced (Reference No. 12.26) (a)
Manufacturing Commodities : Principal Materials Used (Reference No. 12.32) (a)
Overseas Trade (Reference No. 8.11)
Overseas Trade (Preliminary) : Part 1 - Exports (Reference No. 8.15) (a)
Overseas Trade (Preliminary) : Part 2 - Imports (Reference No. 8.16) (a)

B. Industry and related statistics

- Quarterly** *Mineral Exploration (other than for petroleum) Expenditure by Principal Enterprises* (Reference No. 10.75) (a)
Petroleum Exploration (Reference No. 10.76) (a)
- 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	Copper (a)	Lead (a)	Zinc (a)	Tin (a)	Nickel concentrate (a)	Iron ore and concentrate (b)		Manganese ore (b)	Tungsten concentrates (b)	Gold (a) (c)
	tonnes	tonnes	tonnes	tonnes	tonnes	'000 tonnes	'000 tonnes	'000 tonnes	tonnes	'000 grams
1972-73	198,718	385,008	506,995	11,754	36,104	14,702	74,645	1,295	2,672	20,802
1973-74	246,669	370,431	441,286	10,599	42,247	18,545	91,508	1,619	2,004	16,272
1974-75	235,085	415,331	492,821	10,020	59,109	22,148	99,418	1,480	1,942	14,827
July - Aug.										
1974-75	44,892	75,040	89,149	1,715	(d)	(d)	(d)	(d)	(d)	2,482
1975-76		72,329	88,088	1,569						
1973-74 -										
June	23,104	32,668	40,498	928	(d)	(d)	(d)	(d)	(d)	1,476
1974-75 -										
July	23,059	35,866	43,833	890	11,319	5,287	25,481	466	360	1,241
August	21,833	39,174	45,316	825						
September	20,246	35,965	39,939	891						
October	21,511	39,703	46,654	941	14,465	5,891	24,700	240	325	1,331
November	20,998	34,699	43,558	827						
December	17,884	30,500	36,144	826						
January	17,092	25,755	31,268	751	16,680	5,663	24,857	341	563	1,146
February	15,169	33,471	40,996	745						
March	20,157	34,433	42,964	808						
April	18,988	35,267	39,484	749	16,645	5,307	24,380	433	694	1,078
May	19,923	35,365	41,166	863						
June	18,225	35,133	41,499	904						
1975-76 -										
July	18,806	36,477	44,835	774	(d)	(d)	(d)	(d)	(d)	
August		35,852	43,253	795						

Period	Mineral sands concentrates (b)				Black coal				Petroleum (e)	
	Silver (a)	Ilmenite (f)	Rutile	Zircon	Under-ground	Total	Seasonally adjusted (g)	Brown coal	Crude oil	Natural gas
	'000 grams	tonnes	tonnes	tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 cu m	million cu m
1972-73	609,459	720,996	318,698	373,024	36,959	59,755	..	24,121	20,669	3,713
1973-74	674,359	676,566	308,050	347,014	34,198	59,344	..	26,293	23,162	4,403
1974-75	748,674	931,044	315,897	370,010	37,165	70,171	..	27,514	23,096	4,831
July - Aug.										
1974-75	141,702	145,512	48,405	54,616	6,660	11,851	..	5,411	2,615	907
1975-76	127,852	166,660	35,692	48,295	4,659	8,460	..	5,228	4,192	976
1973-74 -										
June	62,751	69,103	23,445	27,430	2,939	5,532	5,320	2,414	1,793	442
1974-75 -										
July	70,970	73,425	26,140	28,454	3,604	6,613	5,487	2,856	1,358	458
August	70,732	72,087	22,265	26,162	3,056	5,239	5,662	2,556	1,257	449
September	53,872	69,501	21,350	28,549	3,028	5,952	5,815	2,087	2,110	422
October	68,340	75,882	28,683	36,058	3,771	7,046	5,940	2,033	2,136	405
November	64,845	77,857	26,476	34,939	3,373	5,928	5,268	2,207	2,046	374
December	56,093	79,975	31,744	37,656	2,374	4,875	7,181	1,897	2,143	360
January	52,542	80,594	24,557	30,285	2,293	4,630	5,965	2,000	2,113	332
February	60,039	77,267	24,776	29,858	3,534	6,514	6,636	2,079	1,933	342
March	63,890	89,822	29,687	32,011	3,158	5,470	6,155	2,148	2,043	382
April	61,036	90,305	25,926	27,776	2,893	5,984	6,304	2,412	1,964	400
May	63,259	72,752	24,120	27,058	3,272	6,568	5,859	2,641	1,915	437
June	63,056	71,577	30,173	31,204	2,808	5,353	4,887	2,597	2,078	471
1975-76 -										
July	65,457	76,961	18,557	25,436	2,455	4,846	4,157	2,685	2,061	490
August	62,395	89,699	17,135	22,859	2,205	3,614	4,129	2,543	2,131	486

(a) Quantities shown are metallic contents of mine products based on chemical assay. (b) Quantities shown are gross output. (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 December 1974. (d) Available on a quarterly basis only. (e) Source: Department of Minerals and Energy. (f) Includes ilmenite for beneficiating. (g) See explanatory notes, paragraph 7, page 2.

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

Period	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
1972-73	3,498	207,531	149,355	136,435	138,925	173,561	299,433	7,301	8,734	(07,182)
1973-74	4,480	208,756	183,286	148,717	150,884	201,025	281,586	6,509	10,214	(07,515)
1974-75	5,072	222,876	186,676	178,245	151,408	170,508	243,209	5,973	9,614	(07,591)
July-Aug. 1974-75	827	38,549	33,343	30,657	25,898	28,561	53,652	960	1,627	1,226
1975-76					26,215	26,523	31,316	809		
1973-74 — June	384	18,091	17,580	13,265	12,248	12,632	21,893	495	783	524
1974-75 — July	422	19,080	16,635	13,688	13,455	13,703	28,964	345	751	630
August	404	19,469	16,708	16,969	12,443	14,858	24,688	615	876	596
September	451	18,860	15,973	13,455	11,322	18,324	25,029	756	763	583
October	451	19,761	16,107	17,543	11,899	17,436	24,297	559	953	632
November	439	18,749	15,324	15,390	12,999	15,524	22,329	446	844	614
December	479	19,720	15,374	14,775	12,501	14,749	23,320	801	798	700
January	449	19,092	15,805	14,888	12,118	16,752	21,081	177	851	688
February	389	17,046	13,079	14,221	12,057	11,746	16,860	472	630	648
March	422	18,158	16,311	13,932	13,979	14,845	14,944	539	755	673
April	372	17,139	15,738	15,510	12,407	9,582	13,538	481	925	644
May	394	18,023	15,244	13,547	12,642	11,769	14,421	390	853	660
June	400	17,779	14,378	14,327	13,586	11,220	13,738	392	614	531
1975-76 — July			15,161	14,152	13,413	12,902	16,636	421	745	555
August					12,802	13,621	14,680	388		

Period	Refined gold									
	Raw steel (e)									
	Seasonally adjusted (g)			Newly won			Overseas origin			
	Original	Blooms and slabs	Tinplate	Quantity	Value (h)	From scrap	Newly won	From scrap	Refined silver	
	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams	
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
1974-75	(f)8,107	..	(f)6,260	(f)316,821	10,744	44,311	803	2,929	83	266,092
July-Aug. 1974-75	1,306	..	984	64,809	1,585	6,679	163	445	20	37,335
1975-76	1,327	..	959	48,750	1,965	7,386	142	539	21	
1973-74 — June	527	580	489	28,633	943	1,429	49	233	..	20,817
1974-75 — July	656	631	445	34,584	951	4,717	74	225	..	19,534
August	651	626	539	30,225	634	1,962	89	220	20	17,801
September	624	627	587	25,914	1,288	5,669	63	293	1	23,249
October	748	697	601	31,147	810	3,052	52	219	18	23,696
November	727	702	619	31,276	855	3,368	113	293	..	19,434
December	751	702	594	26,162	821	3,767	60	265	17	18,710
January	679	694	520	20,106	917	3,721	24	151	..	19,259
February	660	726	493	18,920	667	2,507	80	233	3	19,268
March	692	688	447	22,939	1,185	4,696	69	271	23	20,666
April	640	672	443	24,097	807	2,837	49	237	..	30,796
May	664	657	483	22,818	783	2,407	46	233	..	25,387
June	573	628	444	22,835	1,026	5,610	84	289	1	28,292
1975-76 — July	593	569	441	24,092	950	3,365	60	275	21	18,645
August	735	717	518	24,658	1,015	4,020	82	264	..	

(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 7, 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	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
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
1974-75	12,508	4,682	4,656	1,110	5,497	1,092
July - Aug.						
1974-75	1,727	529	789	180	893	224
1975-76	2,195	828	768	194	792	222
1973-74 - June	965	347	380	103	381	115
1974-75 -						
July	963	289	416	102	444	118
August	764	239	373	79	449	106
September	1,087	365	482	118	449	73
October	1,070	413	444	105	459	96
November	1,110	444	393	108	464	93
December	1,152	465	348	117	491	85
January	1,040	458	389	85	497	63
February	1,039	402	341	65	439	59
March	1,118	447	390	75	494	94
April	996	374	419	89	463	89
May	1,114	414	334	86	459	101
June	1,054	373	327	81	389	116
1975-76 -						
July	1,045	412	403	97	376	110
August	1,150	416	365	98	416	112
		Building materials		Chemicals		
		Portland cement		Sulphuric acid		
Period	Original	Seasonally adjusted (b)	Asbestos cement sheets non-acoustic	Original	Seasonally adjusted (b)	Superphosphate (c)
	'000 tonnes	'000 tonnes	'000 sq m	'000 tonnes	'000 tonnes	'000 tonnes
1972-73	5,037	..	39,802	2,265	..	4,918
1973-74	5,330	..	44,128	2,428	..	5,313
1974-75	5,086	..	42,156	1,770	..	3,309
July - Aug.						
1974-75	849	..	8,212	327	..	638
1975-76	868	..	6,544	141	..	128
1973-74 - June	450	446	3,403	214	214	529
1974-75 -						
July	399	374	4,500	167	227	302
August	450	431	3,713	160	170	335
September	467	458	4,365	210	212	443
October	485	438	4,181	208	190	416
November	446	413	3,641	179	178	412
December	422	445	3,366	201	192	466
January	305	418	1,416	154	146	249
February	401	440	3,682	140	138	232
March	415	412	3,620	124	134	191
April	413	415	2,926	94	87	116
May	460	433	3,288	69	64	75
June	424	418	3,458	63	63	71
1975-76 -						
July	439	412	3,524	67	91	69
August	429	413	3,020	73	79	59

(a) Produced by Australian refineries from imported and indigenous petroleum. Source : Department of Minerals and Energy. (b) See explanatory notes, paragraph 7, 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)				
	1973-74	1974-75	July		1973-74	1974-75	July		
			1974	1975			1974	1975	
METALLIC MINERALS AND METALS (b)									
Non-ferrous -									
Copper -									
Concentrate	tonnes	175,510	146,744	5,124	16,371	57,755	44,145	1,930	4,236
Bilister	"	10,426	15,196	891	..	21,856	20,853	1,982	..
Refined	"	50,678	93,862	2,548	8,521	76,850	93,800	3,582	7,461
Matte, slags, etc.	"	8,392	23,496	264	366	2,440	3,859	106	85
Lead -									
Concentrate	tonnes	77,678	42,192	..	4,145	19,445	13,223	..	634
Bullion	"	147,820	152,754	5,286	11,916	73,059	82,264	2,772	5,264
Refined	"	134,231	124,766	11,946	8,660	43,671	47,435	4,815	2,294
Slags and residues	"	44,825	25,406	2,242	500	2,644	2,261	196	32
Zinc -									
Concentrate	tonnes	426,272	398,622	46,433	23,855	45,560	58,311	6,145	3,573
Refined	"	164,404	140,429	17,557	15,027	69,331	78,526	8,869	8,367
Slags and residues	"	6,758	5,454	572	616	1,647	1,799	290	194
Tin -									
Concentrate	tonnes	7,982	13,700	1,480	451	13,530	25,625	3,146	1,176
Refined	"	2,410	2,394	151	113	7,641	11,044	185	584
Nickel -									
Concentrate	tonnes			not available		13,510	13,397	1,320	3,162
Aluminium (d) -									
Alumina	'000 tonnes	3,951	4,472	393	541	196,078	297,873	20,953	39,826
Refined	tonnes	45,834	64,064	3,711	4,527	20,727	37,536	2,016	2,802
Ferrous and alloy -									
Iron ore -									
Pellets	'000 tonnes	9,519	7,805	512	778	89,905	102,880	4,713	11,338
Fines	"	31,874	38,950	2,379	2,932	154,078	237,565	11,170	21,523
Lump	"	36,871	41,368	2,991	3,562	248,098	366,525	20,893	35,064
Tungsten -									
Scheelite concentrate	tonnes	1,658	1,924	265	270	3,419	8,686	622	1,383
Wolfram concentrate	"	382	469	29	97	792	2,106	67	455
Pig iron	tonnes	957,805	558,507	93,299	92,570	60,081	62,012	8,793	6,544
Steel ingots, blooms	"	747,572	1,132,954	97,922	94,171	64,059	149,322	8,945	10,441
Mineral sands -									
Ilmenite concentrate	tonnes	710,570	628,459	102,121	89,139	8,136	7,658	1,231	1,107
Rutile concentrate	"	359,043	338,087	22,829	15,014	45,324	56,780	3,164	2,360
Zircon concentrate	"	401,545	388,926	32,375	10,287	18,615	56,972	2,631	1,852
Precious -									
Gold, refined	'000 grams	4,344	2,940	1,142	498	18,239	10,973	3,801	1,990
Silver, refined	"	112,762	143,301	9,293	21,305	8,200	14,119	994	2,115
FUEL MINERALS									
Coal, black	'000 tonnes	27,755	32,652	2,595	1,986	347,992	660,511	42,615	47,430
Crude oil (d)	'000 cu m	288	234	41	..	8,520	14,388	2,400	..

(a) The Australian Export Commodity Classification for each commodity in this table is shown in Appendix A. (b) Quantities shown *in* metallic minerals are gross quantities, not metallic contents. Principal metallic contents of selected ores and concentrates exported are shown in Table 4. (c) In addition to alumina and refined aluminium, significant quantities of bauxite are exported, but details are not available for publication. (d) 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
1972-73	57,330	191,064	164,453	4,548	41,694	165,595	6,077	385,194
1973-74	62,282	205,109	238,102	4,375	49,399	139,866	4,129	446,858
1974-75	60,638	186,583	242,915	5,493	53,656	170,298	7,274	451,372
July 1975 -								
Copper concentrate	5,687	..	..	..	..	..	10	379
Blister copper	..	..	..	..	..	..	..	..
Copper matte, slag etc.	156	226	838	..	..	..	..	330
Lead concentrates	..	3,150	166	..	..	..	..	1,803
Lead bullion	..	11,845	..	..	..	..	..	25,196
Lead slags and residues	..	364	..	..	..	..	..	..
Zinc concentrate	..	97	12,006	..	..	..	..	1,737
Zinc slags and residues	..	..	488	..	..	..	..	..
Tin concentrate	..	..	..	257	..	..	..	..
Iron ore - Pellets	..	..	..	..	497	..	..	..
Fines	..	..	..	..	1,877	..	..	..
Lump	..	..	..	..	2,325	..	..	..
Scheelite concentrate	..	..	..	..	..	18,500	..	..
Wolfram concentrate	..	..	..	..	..	7,000	..	..
Total July 1975	5,843	15,682	13,498	257	4,699	25,500	10	29,445

(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-Aug.			July 1975	Aug. 1975	July-Aug.			July 1975	Aug. 1975
	1973-74	1974-75	1974-75			1973-74	1974-75	1974-75		
METALS										
Tin, refined	tonnes	67	26	..	..	336	138	..	..	..
Nickel (pigs, anodes, etc.)	tonnes	2,687	1,050	420	82	172	5,474	3,410	1,103	274
Ferro-alloys	tonnes	46,335	43,287	9,928	340	735	12,570	21,210	3,804	260
Gold										
Unrefined bullion (b) '000 grams		2,697	2,809	200	200	313	7,265	8,744	569	729
Refined	"	7	24	..	..	1	21	108	..	5
FUEL MINERALS										
Crude oil (c)	'000 cu m	10,139	9,552	1,653	647	728	244,062	475,080	75,895	32,166
NON-METALLIC MINERALS										
Asbestos	tonnes	56,839	51,194	7,956	4,471	3,937	8,216	11,195	1,290	1,373
Diamonds -										
Industrial	metric carat	1,084,883	928,558	211,847	61,076	75,008	3,717	3,420	738	276
Gemstone		90,196	69,091	12,257	11,017	5,323	14,732	14,307	2,104	2,104
Phosphate rock	'000 tonnes	3,104	2,639	493	216	82	35,232	74,059	9,078	7,517
Potassium fertilisers	tonnes	190,597	211,108	17,815	5,831	12,874	5,220	9,523	470	329
Sulphur	tonnes	608,010	925,747	199,642	6,011	44,672	8,329	14,899	4,388	187

(a) The Australian Import Commodity Classification for each commodity in this table is shown in Appendix B. (b) Gold ounce. (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)			
	1973-74	1974-75	July		1973-74	1974-75	July	
			1974	1975			1974	1975
REFINED COPPER								
	- tonnes -							
France	12,913	12,897	..	928	19,119	13,188	..	802
Germany, Fed. Rep.	15,734	42,305	1,101	4,410	22,940	42,137	1,745	3,863
Japan	8,054	10,061	995	1,335	14,375	10,119	1,404	1,161
United Kingdom	11,601	20,719	..	1,805	17,135	20,640	..	1,591
Other countries	2,376	7,880	452	43	3,281	7,717	434	44
Total	50,678	93,862	2,548	8,521	76,850	93,800	3,582	7,461
LEAD BULLION								
	- tonnes -							
Germany, Fed. Rep.	9,358	9,809	..	..	3,738	4,940	..	..
Netherlands	13,727	11,959	2,070	1,941	4,575	5,380	970	930
United Kingdom	124,484	125,900	3,216	9,975	64,642	68,924	1,802	4,334
Other countries	251	5,086	..	..	104	3,020	..	..
Total	147,820	152,754	5,286	11,916	73,059	82,264	2,772	5,264
REFINED LEAD								
	- tonnes -							
India	21,592	26,496	2,000	..	6,734	10,475	943	..
Italy	15,001	11,476	1,000	921	5,130	4,383	352	215
New Zealand	6,023	6,209	580	334	2,121	2,286	233	90
Thailand	4,629	2,908	390	698	1,636	1,175	187	203
United Kingdom	36,821	46,893	4,959	2,530	12,579	17,197	1,757	606
United States of America	8,712	..	..	..	1,254	..	..	..
Other countries	41,453	30,784	3,017	4,177	14,216	11,919	1,342	1,180
Total	134,231	124,766	11,946	8,660	43,671	47,435	4,815	2,294
ZINC CONCENTRATE								
	- tonnes -							
Belgium-Luxembourg	27,631	57,367	13,602	4,082	2,978	7,330	1,638	409
Finland	16,462	..	..	..	1,953	..	..	..
Germany, Fed. Rep.	5,215	17,056	8,211	..	434	2,736	1,012	..
Japan	213,508	177,227	24,620	19,747	24,922	27,686	3,495	3,161
Norway	26,479	12,588	..	..	2,455	1,673	..	..
United Kingdom	66,347	38,212	..	..	6,193	5,084	..	..
Other countries	70,630	96,172	..	26	6,625	13,801	..	3
Total	426,272	398,622	46,433	23,855	45,560	58,311	6,145	3,573

(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)			
	1973-74	1974-75	July		1973-74	1974-75	July	
			1974	1975			1974	1975
REFINED ZINC								
- tonnes -								
India	19,009	18,253	1,450	3,001	7,193	11,014	775	1,749
Indonesia	15,939	10,270	166	2,889	7,095	6,203	95	1,669
Malaysia	6,546	5,330	358	435	2,873	3,073	197	259
New Zealand	19,876	19,569	2,409	210	8,408	11,532	1,209	134
Taiwan	15,995	8,190	655	390	6,811	4,882	370	243
Thailand	15,114	10,273	1,398	825	6,547	6,246	782	504
United Kingdom	21,091	20,347	2,943	2,500	7,144	7,713	1,041	885
United States of America	27,857	31,180	4,195	3,283	13,818	18,045	2,327	2,039
Other countries	22,977	17,017	3,983	1,494	9,442	9,818	2,072	886
Total	164,404	140,429	17,557	15,027	69,331	78,526	8,869	8,367
IRON ORE								
- '000 tonnes -								
Belgium-Luxembourg	1,785	2,546	66	115	6,627	14,680	271	1,007
France	1,355	1,584	136	147	7,258	12,295	571	1,188
Germany, Fed. Rep.	2,235	5,085	190	529	11,046	41,775	725	5,170
Italy	1,882	2,621	155	285	9,991	21,305	880	2,596
Japan	64,948	66,951	5,004	5,464	422,909	543,649	32,317	52,108
United Kingdom	919	1,069	..	..	4,914	8,138	..	..
United States of America	496	1,158	52	53	2,851	8,280	477	366
Other countries	4,645	7,109	279	679	26,485	56,847	1,534	5,489
Total	78,265	88,123	5,882	7,272	492,081	706,969	36,776	67,925
MINERAL SANDS								
- tonnes -								
Belgium-Luxembourg	10,356	7,950	290	52	447	1,467	36	15
France	204,790	146,083	12,555	24,591	3,670	5,345	277	536
Italy	64,491	40,621	1,734	647	3,666	8,356	239	119
Japan	317,507	295,089	33,277	22,320	12,726	21,888	1,295	1,132
Netherlands	99,718	91,528	9,549	7,547	6,531	7,871	1,167	955
United Kingdom	321,536	232,777	66,443	35,560	13,452	16,409	1,291	696
United States of America	266,006	316,110	13,933	6,691	19,432	36,519	1,508	1,037
Other countries	186,754	225,314	19,544	17,032	12,151	23,554	1,214	830
Total	1,471,158	1,355,472	157,325	114,440	72,075	121,410	7,026	5,320
BLACK COAL								
- '000 tonnes -								
Belgium-Luxembourg	286	206	45	57	2,930	4,054	838	2,234
Greece	524	643	..	47	4,643	13,902	..	1,323
Italy	997	1,404	107	10	10,064	33,015	1,218	3,039
Japan	23,611	24,320	2,019	1,593	303,281	501,797	34,678	34,448
Korea, Rep.	665	654	101	..	7,989	14,012	1,607	..
Netherlands	730	1,076	7	..	7,645	21,197	49	..
United Kingdom	341	1,978	77	155	4,401	28,884	1,053	3,290
Other countries	601	2,372	238	124	7,039	43,649	2,972	3,096
Total	27,755	32,652	2,595	1,986	347,992	660,511	42,615	47,430

(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		
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	1,050.5	598.3	366.6	216.5	23.95	612.8	359.1	353.6	38.55		
1975-76 -											
Highest	1,020.0	625.8	290.0	188.8	20.00	622.0	362.8	360.0	41.00		
Lowest	900.0	537.5	290.0	156.8	19.00	603.0	318.9	360.0	38.50		
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		
November	1,080.0	608.2	380.0	229.2	24.50	640.0	341.0	360.0	39.00		
December	1,032.0	553.2	380.0	228.4	24.50	640.0	330.9	360.0	39.00		
January	953.0	512.4	380.0	227.3	24.50	640.0	337.7	360.0	39.00		
February	910.0	528.7	380.0	226.0	24.50	640.0	331.1	360.0	38.90		
March	980.0	554.5	380.0	224.4	24.50	640.0	331.8	360.0	38.50		
April	1,010.0	560.5	374.6	202.0	24.50	640.0	329.8	360.0	38.67		
May	965.7	539.7	344.0	181.5	23.24	634.0	320.9	360.0	38.75		
June	918.1	522.5	290.0	154.5	19.17	622.0	328.8	360.0	38.75		
1975-76 -											
July	911.3	559.3	290.0	164.2	19.00	622.0	323.4	360.0	38.75		
August	972.0	603.7	290.0	181.2	19.52	603.0	348.1	360.0	38.75		
September	987.6	580.2	290.0	172.7	20.00	603.0	346.9	360.0	39.34		
Period	Tin				Aluminium			Gold		Silver	
	Aust. (\$A - tonne)	L.M.E. (£Stg - metric ton)	Straits (\$ Mal- picul)	Nickel U.S.A. (d) (\$US-lb)	Aust. (\$A-tonne)	U.S.A. (USc-lb)	Premium markets (\$A-f.o.z) Australia and Overseas	U.K. (\$US-f.o.z)	Aust.(d) (\$A-kg)	U.K. (Stg new pence-f.o.z)	
	10	11	12	13	14	15	16	17	18	19	
1972-73	(c)3,291.2	1,630.5	627.7	1.48	(c)578.0	24.3	58.40	77.92	(e)156.6	83.6	
1973-74	4,774.1	2,882.8	957.0	1.59	(f)591.0	28.2	88.47	130.76	82.53	162.8	
1974-75	5,715.8	3,246.7	1,022.3	1.93	671.0	38.1	121.54	167.86	104.91	187.9	
1975-76 -											
Highest	5,703.0	3,262.5	1,029.4	2.20	707.0	41.0	127.20	168.4	125.4	248.1	
Lowest	5,297.0	3,071.0	923.0	2.01	707.0	39.0	115.53	128.7	112.6	207.3	
1974-75 -											
July	6,048.0	3,411.7	1,175.5	1.85	591.0	33.5	92.63	148.70	100.3	181.4	
August	6,079.3	3,739.4	1,238.9	1.85	591.0	33.5	102.33	154.68	104.0	189.2	
September	5,868.3	3,903.3	1,162.9	1.85	635.2	38.7	106.30	151.77	89.3	174.3	
October	5,691.5	3,180.8	1,003.0	1.85	649.0	39.0	118.67	158.78	104.5	205.2	
November	5,730.0	3,182.0	983.1	1.85	649.0	39.0	136.14	181.57	119.8	201.1	
December	5,458.0	3,078.9	945.9	1.85	695.0	39.0	138.23	183.75	109.2	189.6	
January	5,822.0	3,252.3	992.8	2.01	707.0	39.0	129.90	176.27	108.5	178.5	
February	5,859.0	3,149.3	998.5	2.01	707.0	39.0	132.21	179.60	100.1	183.2	
March	5,589.0	3,049.9	954.0	2.01	707.0	39.0	130.02	177.72	104.7	181.5	
April	5,510.0	3,007.0	948.0	2.01	707.0	39.0	127.07	168.85	102.6	178.6	
May	5,484.0	2,970.8	931.8	2.01	707.0	39.0	124.00	167.39	106.6	195.8	
June	5,450.0	3,035.5	933.7	2.01	707.0	39.0	121.03	164.23	109.1	196.8	
1975-76 -											
July	5,392.3	3,107.2	954.9	2.01	707.0	39.0	125.46	165.16	112.6	214.8	
August	5,544.0	3,189.4	999.2	2.01	707.0	40.4	127.20	162.99	125.4	233.0	
September	5,455.1	3,154.5	987.7	2.20	707.0	41.0	115.53	144.10	117.0	215.3	

(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. (b) See paragraph 4, page 2. (c) \$A per ton. (d) Prior to July 1975, monthly prices were prices quoted on the first trading day of the month. From July 1975 monthly prices are prices quoted on the last trading day of the month. Annual prices are the averages of the monthly prices. (e) Ac (Australian cents) per f.o.z. (f) 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 Europe (d) (£ Stg-mtu)	Aust. (\$A-tonne)	Europe (\$A-metric ton)	Aust. (\$A-tonne)	Europe (\$A-metric ton)	Aust. (\$A-tonne)	Europe (\$A-metric ton)
	20	21	22	23	24	25	26	27
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	48.58	37.00-50.25	11.0-12.0	13.00-18.00	(i)	200.00-330.00	(i)	170.00-330.00
1975-76 -								
Highest	46.71	43.50	(i)	18.00	(i)	330.00	(i)	330.00
Lowest	45.38	36.75	(i)	15.00	(i)	290.00	(i)	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	48.31	48.25-50.25	(i)	13.00-15.00	(i)	290.00-330.00	(i)	290.00-330.00
November	48.67	45.00-47.00	(i)	13.00-15.00	(i)	290.00-330.00	(i)	290.00-330.00
December	46.06	45.00-47.00	(i)	13.00-15.00	(i)	290.00-330.00	(i)	290.00-330.00
January	48.33	37.00-38.00	(i)	13.00-15.00	(i)	290.00-330.00	(i)	290.00-330.00
February	49.52	42.00-42.50	(i)	15.00-18.00	(i)	290.00-330.00	(i)	290.00-330.00
March	47.13	42.00-43.50	(i)	15.00-18.00	(i)	290.00-330.00	(i)	290.00-330.00
April	46.58	39.00-41.50	(i)	15.00-18.00	(i)	290.00-330.00	(i)	290.00-330.00
May	46.37	42.50-43.50	(i)	15.00-18.00	(i)	290.00-330.00	(i)	290.00-330.00
June	46.08	40.00-42.00	(i)	15.00-18.00	(i)	290.00-330.00	(i)	290.00-330.00
1975-76 -								
July	45.38	36.75-38.75	(i)	15.00-18.00	(i)	290.00-330.00	(i)	290.00-330.00
August	46.71	41.00-43.00	(i)	15.00-18.00	(i)	290.00-330.00	(i)	200.00-240.00
September	45.87	41.50-43.50	(i)	15.00-18.00	(i)	290.00-330.00	(i)	200.00-240.00

(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. (b) See paragraph 4, page 2. (c) Prior to July 1975, monthly prices were the ranges quoted on the first trading day of the month. From July 1975, monthly prices are the ranges quoted on the last trading day of the month. Annual prices are a range of the 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 AL 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)	
1972-73	122.6	109.2	106.6	98.7	120.0
1973-74	131.7	118.2	138.1	151.3	131.3
1974-75p	161.1	141.9	131.1	192.4	158.4
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
November	153.5	140.5	133.2	218.2	152.6
December	160.2	144.7	131.1	194.3	157.9
January	163.0	144.6	128.5	195.4	160.1
February	168.5	148.0	123.6	197.8	164.7
March	170.9	148.0	127.1	197.6	167.0
April	172.0	147.4	129.8	187.2	167.8
May	172.0	147.4	127.3	204.2	168.0
June	172.1	147.2	127.3	201.5	168.0
1975-76 -					
July	172.9	148.7	125.9	209.3	168.9
August	182.5	148.7	129.6	221.3	177.3
September	184.8	155.6	132.1	207.3	179.8

(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
1974-75	p252	391	p179
1973-74 — June	238	341	171
1974-75 —			
July	244	310	173
August	242	337	173
September	249	347	178
October	263	353	181
November	264	407	178
December	262	446	188
January	257	419	185
February	256	426	181
March	265	436	185
April	298	403	184
May	274	402	183
June	276	407	178
1975-76 —			
July	275	407	+179
August	279	419	181

(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
1974-75	5,858	(-11)(e)	29,493
1973-74 — June	1	..	6,224
1974-75 —			
July	498	(-11)(e)	6,121
August	871	..	437
September	281	..	1,939
October	472	..	7,069
November	470	..	4,072
December	320	..	4,307
January	126	..	4,801
February	287	..	550
March	603	..	199
April	1,216	..	..
May	443	..	..
June	272	..	..
1975-76 —			
July	..	..	..
August	..	..	..

(a) Petroleum Search Subsidy Act 1959-1973. (b) Includes Papua New Guinea. (c) The Gold Mining Industry Assistance Act 1954-1972 expired on 30 June 1975. (d) The Phosphate Fertilisers Bounty Act 1963-71 expired on 31 December 1974, payments ceased in March 1975. (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
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
1974-75	11,630	2,833	14,463	2,940	8,501	11,441	3,022	2,038,342
July-Aug.								
1974-75	1,768	200	1,968	1,142	873	2,015	-47	-192,906
1975-76		514						
1973-74 -								
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	143	886	..	651	651	235	-147,574
September	1,352	325	1,677	549	408	957	720	-94,883
October	880	263	1,143	342	1,812	2,154	-1,011	318,517
November	968	277	1,245	100	672	772	473	754,001
December	898	242	1,140	..	643	643	497	216,087
January	941	241	1,182	274	1,170	1,444	-262	143,959
February	750	182	932	200	874	1,074	-142	180,512
March	1,277	280	1,557	6	147	153	1,404	139,649
April	856	340	1,196	311	653	964	232	102,518
May	829	247	1,076	..	697	697	379	219,911
June	1,111	236	1,347	16	552	568	779	250,977
1975-76 -								
July	1,131	200	1,331	498	350	848	483	-105,936
August		314						

(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 52 7911 extension 5631 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.) 1975-76
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.	{ 284.00.23 284.00.24 283.12.00	Copper-lead dross and speiss Copper slags and residues 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.i.
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
Nickel -		
Concentrate	283.21.00	Ores and concentrates of nickel
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	{ 671.10.00 671.20.00	Spiegeleisen Pig iron and cast iron
Steel ingots, blooms	{ 672.40.01 672.40.09 672.51.00 672.54.00	Ingots, blocks, lumps and similar forms of iron or steel Other Blooms, billets, slabs, sheet bars and roughly forged pieces (except of high carbon or alloy steel) Blooms, billets, slabs, sheet bars and roughly forged pieces of high carbon or alloy steel
Mineral sands -		
Ilmenite concentrate	{ 283.93.13 283.93.15 283.93.02	In bulk In bags, drums and similar containers In bulk
Rutile concentrate	{ 283.93.03 283.93.19	In bags, drums and similar containers In bulk - Premium grade
Zircon concentrate	{ 283.93.21 283.93.22 283.93.24	In bulk - Standard grade In bags, drums and similar containers - Premium grade In bags, drums and similar containers - Standard grade
Precious -		
Gold, refined	{ 991.00.03 991.00.08 681.10.01	Mint bullion (i.e. in the form accepted in inter-bank transactions) Refined bullion (except mint bullion) 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	{ 331.01.00 331.02.00	Crude petroleum Petroleum, partly refined (including topped crudes and enriched crudes)

APPENDIX B
AUSTRALIAN IMPORT COMMODITY CLASSIFICATION (A.I.C.C.) 1975-76
INCLUDED IN TABLE 5

<i>Commodity</i>	<i>Statistical item</i>	<i>Description</i>
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
	991.00.03	Mint bullion (i.e. in the form accepted in inter-bank transactions)
Refined forms	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	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 other wise packed — 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, Mount Isa Mines Copper Price
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 buyers works capital cities.
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, spot, minimum 2 tonne, ex smelter.
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, f.o.b. Port Colbourne.
14.	Refined aluminium, 99.5% domestic, minimum 10 tonnes, 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 \$32.25 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, minimum 54% TiO ₂ bulk, f.o.b. Australia.
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	August \$0.31	c.i.f.	cost, insurance, freight
£ Stg 1	August \$1.65	f.i.d.	free into container depot
\$US 1	August \$0.78	f.o.b.	free on board
f.o.z	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