

**MINERALS AND
MINERAL PRODUCTS**

JUNE 1976

Reference No. 10.19

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NOTE. Inquiries concerning these statistics may be made in Canberra by telephoning Mr Brian Thorp on 52 5631 or, in each State capital, by telephoning the office of the Australian Bureau of Statistics.

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

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 National Resources
- . 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, refined gold and refined silver are collected by the Bureau of Mineral Resources.
- . Data on petroleum products are collected by the Department of National Resources.
- . 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 Business and Community Affairs.

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.

Note. This bulletin no longer contains statistics of Federal Government subsidy and bounty payments which previously appeared in Table 11. Information on the phosphate fertiliser bounty may be obtained from the Bounty Section of the Department of Business and Community Affairs.

Statistics on supplies and disposals of gold bullion, previously published in Table 12, have also been discontinued. Refinery production, export and import statistics are available in Tables 2, 3 and 5 respectively of this bulletin. The other data are no longer available following the suspension of Part IV of the *Banking Act* 1959-74.

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* 1976 (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.

Symbols and other usages

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).

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

RELATED 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>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) <i>Production Statistics</i> (Reference No. 12.14) (Manufacturing Commodities) (a)
Annual	<i>Mineral Production</i> (Reference No. 10.51) (a) <i>Manufacturing Commodities : Principal Articles Produced</i> (Reference No. 12.26) (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

Quarterly	<i>Mineral Exploration (other than for petroleum) by Principal Enterprises</i> (Reference No. 10.75) (a) <i>Petroleum Exploration</i> (Reference No. 10.76) (a)
Annual	<i>Mining Establishments : Summary of Operations (Preliminary)</i> (Reference No. 10.72) (a) <i>Mining Establishments : Details of Operations</i> (Reference No. 10.60) (a) <i>Manufacturing Establishments : Details of Operations</i> (Reference No. 12.29) <i>Manufacturing Establishments : Summary of Operations</i> (Reference No. 12.23) (a) <i>Foreign Ownership and Control of the Mining Industry</i> (Reference No. 10.42) (a) <i>Mineral Exploration</i> (Reference No. 10.41) (a)

C. General information and statistics

Annual	<i>Official Year Book, Australia</i> (Reference No. 1.1) (Mineral Industry Chapter) <i>Australian Mineral Industry Annual Review</i> (b)
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(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)
						'000	'000			
	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	'000 grams
1972-73	198,718	385,008	506,995	11,754	36,104	14,702	74,645	1,295	2,672	20,002
1973-74	246,669	370,431	441,286	10,599	42,247	18,545	91,508	1,619	2,004	16,272
1974-75	235,590	416,500	508,174	10,165	49,106	20,522	98,158	1,410	2,197	15,063
1975-76	217,608	390,947	467,586	9,096		21,084	92,672	1,861	2,338	
1974-75 -										
April	19,198	35,124	40,548	749	13,828	4,917	24,071	413	785	1,081
May	20,144	35,225	42,274	863						
June	18,427	34,990	42,616	904						
1975-76 -										
July	18,806	36,477	44,835	785	19,906	5,396	25,429	476	641	1,191
August	17,675	35,852	43,253	795						
September	18,829	36,135	41,758	616						
October	17,816	37,672	41,886	556	19,965	4,642	23,008	305	553	1,279
November	18,137	33,970	43,652	823						
December	16,892	28,947	35,854	752						
January	18,800	20,820	24,924	610	20,803	5,062	22,431	467	511	1,431
February	18,452	28,208	36,208	703						
March	20,118	33,206	38,578	890						
April	17,545	29,934	34,903	709	(d)	5,984	21,804	613	633	1,185
May	17,469	31,107	37,063	867						
June	17,069	38,619	44,672	990						

Period	Mineral sands concentrates (h)				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	709,092	891,090	334,205	392,751	37,209	70,142	..	27,514	23,096	4,633
1975-76	738,373				36,124	69,344	..		23,891	5,388
1974-75 -										
April	57,809	89,728	27,064	29,812	3,173	6,360	6,511	2,412	1,964	383
May	59,915	72,287	25,178	29,040	3,343	6,627	5,749	2,641	1,915	419
June	59,722	71,138	31,497	33,493	2,783	5,343	5,083	2,597	2,078	451
1975-76 -										
July	65,531	76,961	24,939	31,056	2,455	4,846	4,371	2,683	2,061	490
August	62,559	89,699	24,275	26,477	2,205	3,614	4,354	2,542	2,131	486
September	65,397	90,941	28,561	28,239	2,574	4,691	4,581	2,319	1,489	441
October	69,082	79,140	28,484	31,636	3,813	7,478	6,204	2,341	2,159	449
November	61,545	82,212	27,800	29,967	3,402	6,738	6,190	2,283	1,968	405
December	56,148	80,487	32,820	33,643	2,516	4,990	6,879	2,132	1,974	393
January	51,771	65,284	20,066	22,319	2,288	4,262	5,470	2,106	2,129	357
February	64,015	75,696	29,521	31,998	3,308	6,399	6,436	2,391	1,775	397
March	60,834	83,698	32,993	32,971	3,781	6,790	6,324	2,670	2,038	429
April	55,996				2,647	5,859	6,666	2,518	1,983	464
May	57,362				3,542	6,594	5,980	2,525	2,115	524
June	68,133				3,593	7,083	6,439		2,009	553

(a) Quantities shown are metallic contents of mine products based on chemical assay. (b) Quantities shown are gross output. (c) Western Australian and Northern Territory 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 August 1975 for the Northern Territory and November 1975 for Western Australia. (d) Available on a quarterly basis only. (e) Source : Department of National Resources. (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	3,527	207,531	149,512	136,792	138,798	173,561	302,536	7,301	8,734	(f)7,182
1973-74	4,516	208,756	184,952	149,300	149,257	201,025	281,586	6,509	10,214	(f)7,515
1974-75	5,073	222,876	189,257	178,451	149,876	170,508	243,209	5,973	9,614	(f)7,067
1975-76		220,027		164,279	152,256	168,183	204,534	5,386	9,980	(f)7,519
1974-75 -										
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	410	17,958	15,161	14,152	13,413	12,902	16,636	421	745	555
August	469	18,088	15,222	13,545	12,802	13,621	14,680	388	876	675
September	423	17,626	15,617	12,484	12,392	14,206	15,241	605	977	651
October	472	18,122	14,808	15,981	13,978	13,591	17,352	462	935	639
November	473	17,273	14,207	10,930	10,792	15,374	16,558	328	592	605
December	455	17,887	14,349	13,576	10,819	14,185	18,286	599	716	507
January	415	18,211	13,150	17,570	11,231	12,746	15,566	280	925	711
February	448	17,816	13,533	11,163	11,313	13,541	15,345	342	825	574
March	487	19,335	15,376	16,249	14,357	13,554	17,332	565	816	642
April	513	18,978	13,548	12,802	12,507	11,929	18,335	459	746	623
May	548	19,765		13,191	14,137	17,264	20,755	467	783	674
June		18,968		12,636	14,515	15,270	18,248	470	883	663

Period	Raw steel (e)		Refined gold					Refined silver	
	Original	Seasonally adjusted (g)	Blooms and slabs	Tinplate	Australian origin		Overseas origin		
					Newly won	From scrap	Newly won		From scrap
	'000 tonnes	'000 tonnes	'000 tonnes	tonnes	'000 grams	'000 grams	'000 grams	'000 grams	
1972-73	(f)7,235	..	(f)6,164	(f)242,679	14,689	554	3,254	130	
1973-74	(f)7,707	..	(f)6,429	(f)318,844	11,106	790	2,561	56	
1974-75	(f)7,490	..	(f)5,771	(f)288,188	10,744	803	2,929	83	
1975-76	(f)7,937	..	(f)5,566	(f)282,241					
1974-75 -									
April	640	672	443	24,097	807	49	237	..	
May	664	657	483	22,818	783	46	233	..	
June	573	628	444	22,835	1,026	84	289	1	
1975-76 -									
July	593	569	441	24,092	950	60	275	21	
August	735	717	518	24,658	1,015	82	264	..	
September	696	690	496	23,148	1,453	67	173	..	
October	589	551	397	19,954	1,004	56	253	..	
November	663	646	489	22,248	918	59	293	14	
December	661	633	477	20,331	1,332	56	233	..	
January	672	684	493	21,850	1,132	30	244	..	
February	584	624	433	20,296				15,368	
March	706	680	505	24,250				20,853	
April	631	645	372	26,388				17,046	
May	733	750	455	28,172				14,376	
June	675	755	487	26,854				19,881	

(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.

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

Period	Petroleum products (h)				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
1975-76	12,501	5,003	4,340	1,216	5,253	946
1974-75 -						
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
September	1,020	420	355	105	390	89
October	995	418	375	101	433	84
November	912	440	368	90	421	68
December	952	435	347	101	462	45
January	1,179	481	365	107	456	50
February	1,061	413	320	64	430	62
March	974	354	310	89	476	82
April	1,040	433	390	110		78
May	1,110	364	394	137	1,393	88
June	1,063	417	350	117		77
Building materials						
Period	Portland cement			Sulphuric acid		
	Original	Seasonally adjusted (i)	Asbestos cement sheets non-acoustic	Original	Seasonally adjusted (i)	Superphosphate (j)
	'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	..	41,982	1,770	..	3,309
1975-76	5,007	..	41,532	1,295	..	2,157
1974-75 -						
April	413	421	2,783	94	65	116
May	460	431	3,409	69	68	75
June	424	421	3,365	63	93	71
1975-76 -						
July	439	415	3,495	67	78	69
August	429	416	3,020	73	73	59
September	450	428	3,684	72	68	63
October	443	401	4,031	73	106	84
November	449	417	3,481	109	104	189
December	389	405	3,552	113	118	195
January	255	353	1,807	129	127	242
February	416	441	3,154	135	151	262
March	438	418	4,150	153	154	331
April	431	452	3,323	161	155	308
May	454	430	3,330	102	97	226
June	414	408	4,504	107	114	130

(h) Produced by Australian refineries from imported and indigenous petroleum. Source : Department of National Resources. (i) See explanatory notes, paragraph 7, page 2. (j) 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	1975-76	June 1976	1973-74	1974-75	1975-76	June 1976	
METALLIC MINERALS AND METALS (b)									
Non-ferrous —									
Copper —									
Concentrate	tonnes	175,510	146,744	159,011	20,218	57,755	44,145	40,982	6,105
Blister	"	10,426	15,196	9,497	2,293	21,856	20,853	13,505	3,674
Refined	"	50,678	93,862	85,801	6,521	76,850	93,800	82,675	7,694
Matte, slags, etc.	"	8,392	23,496	28,689	4,843	2,440	3,859	2,499	172
Lead —									
Concentrate	tonnes	77,678	42,192	84,238	2,438	19,445	13,223	18,738	656
Bullion	"	147,820	152,754	151,652	14,800	73,059	82,265	71,001	8,438
Refined	"	134,231	124,766	137,684	13,899	43,671	47,435	38,504	4,804
Slags and residues	"	44,825	25,406	19,340	371	2,644	2,261	1,544	15
Zinc —									
Concentrate	tonnes	426,272	398,622	424,687	36,651	45,560	58,311	62,246	5,842
Refined	"	164,404	140,429	124,068	13,406	69,331	78,526	70,816	7,687
Slags and residues	"	6,758	5,454	5,269	705	1,647	1,799	1,490	225
Tin —									
Concentrate	tonnes	7,982	13,700	7,361	572	13,530	25,625	14,269	1,540
Refined	"	2,410	2,394	2,351	70	7,641	11,044	12,131	428
Nickel —									
Concentrate	tonnes	not available				13,510	13,397		
Aluminium (c) —									
Alumina	'000 tonnes	3,951	4,472	5,265	626	196,078	297,873	436,064	57,524
Refined	tonnes	45,834	64,064	69,119	3,571	20,727	37,536	44,026	2,710
Ferrous and alloy —									
Iron ore —									
Pellets	'000 tonnes	9,519	7,747	9,004	532	89,905	101,746	136,959	8,170
Fines	"	31,874	36,196	34,757	2,983	154,078	237,477	270,138	23,825
Lump	"	36,896	41,404	35,076	3,739	248,098	365,783	362,857	40,748
Tungsten —									
Scheelite concentrate	tonnes	1,658	1,924	2,291	26	3,419	8,686	12,148	123
Wolfram concentrate	"	382	469	533	42	792	2,106	2,588	299
Pig iron	tonnes	957,805	558,507	593,051	34,655	60,081	62,012	40,478	2,262
Steel ingots, blooms	"	747,572	1,132,954	1,461,349	65,963	64,059	149,322	159,834	8,195
Mineral sands —									
Ilmenite concentrate	tonnes	710,570	628,459	628,067	35,597	8,136	7,658	8,419	530
Rutile concentrate	"	359,043	338,087	339,010	41,009	45,324	56,780	65,667	9,720
Zircon concentrate	"	401,545	388,926	286,308	35,211	18,615	56,972	51,843	5,267
Precious —									
Gold, refined	'000 grams	4,344	2,940	7,659	987	18,239	10,973	27,587	3,536
Silver, refined	"	112,762	143,301	89,976	8,596	8,200	14,119	9,662	1,000
FUEL MINERALS									
Coal, black	'000 tonnes	27,755	32,652	29,223	3,374	347,992	660,511	973,905	124,761
Crude oil (d)	'000 cu m	288	234	243	24	8,520	14,388	17,559	1,725

(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. (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	451,556
July - May								
1974-75	53,365	171,282	201,892	5,166	48,938	158,298	6,980	411,958
1975-76	54,552	199,436	211,818	3,016	49,889	190,749	7,762	490,333
May 1976 -								
Copper concentrate	1,699	..	..	..	..	..	..	252
Blister copper	318	..	..	..	..	..	50	58
Copper matte, slag etc.	23	199	..	..	..	..	..	247
Lead concentrates	538	951	363	..	..	..	155	7,681
Lead bullion	7	5,969	..	..	..	..	..	8,534
Lead slags and residues	156	469	..	..	..	..	6	567
Zinc concentrate	..	152	22,847	..	..	..	..	5,678
Zinc slags and residues	..	..	334	..	..	..	..	..
Tin concentrate	..	..	..	202	..	..	..	..
Iron ore - Pellets	..	..	..	..	630	..	..	..
Fines	..	..	..	..	1,814	..	..	..
Lump	..	..	..	..	1,526	..	..	..
Scheelite concentrate	..	..	..	..	..	8,000	..	..
Wolfram concentrate	..	..	..	..	..	3,100	..	..
Total May 1976	2,741	7,740	23,554	202	3,970	11,100	211	23,017

(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)				
	1973-74	1974-75	1975-76	June 1976	1973-74	1974-75	1975-76	June 1976
METALS								
Tin, refined	tonnes	67	26	34	..	336	138	181
Nickel (pigs, anodes, etc.)	tonnes	2,687	1,050	992	181	5,474	3,410	3,761
Ferro-alloys	tonnes	46,335	43,287	25,348	531	12,570	21,210	11,895
Gold								
Unrefined bullion (b)	'000 grams	2,697	2,809	3,051	279	7,265	8,744	9,187
Refined	"	7	24	13	..	1	108	49
FUEL MINERALS								
Crude oil (c)	'000 cu m	10,139	9,552	9,569	515	244,062	475,080	516,361
NON-METALLIC MINERALS								
Asbestos	tonnes	56,839	51,194	56,241	5,677	8,216	11,195	17,853
Diamonds -								
Industrial	metric carat	1,084,883	928,558	743,841	110,090	3,717	3,420	2,818
Gemstone	"	90,196	69,091	86,721	8,504	14,732	14,307	17,268
Phosphate rock	'000 tonnes	3,104	2,639	1,482	126	35,232	74,059	53,212
Potassium fertilisers	tonnes	190,597	211,108	110,190	10,274	5,220	9,523	7,257
Sulphur	tonnes	608,010	925,747	1,156,495	12	8,329	14,899	4,986

(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)			
	1973-74	1974-75	1975-76	June 1976	1973-74	1974-75	1975-76	June 1976
REFINED COPPER								
	- tonnes -							
France	12,913	12,897	12,822	852	19,119	13,188	12,894	1,015
Germany, Fed. Rep.	15,734	42,305	24,853	809	22,940	42,137	23,040	952
Japan	8,054	10,061	5,890	299	14,375	10,119	5,570	359
United Kingdom	11,601	20,719	20,733	3,005	17,135	20,640	20,071	3,528
Other countries	2,376	7,880	21,503	1,556	3,281	7,717	21,101	1,840
Total	50,678	93,862	85,801	6,521	76,850	93,800	82,676	7,694
LEAD BULLION								
	- tonnes -							
Germany, Fed. Rep.	9,358	9,809	2,306	..	3,738	4,940	904	..
Netherlands	13,727	11,959	14,858	..	4,575	5,380	6,135	..
United Kingdom	124,484	125,900	132,191	14,800	64,642	68,924	63,100	8,438
Other countries	251	5,086	2,297	..	104	3,020	862	..
Total	147,820	152,754	151,652	14,800	73,059	82,264	71,001	8,438
REFINED LEAD								
	- tonnes -							
India	21,592	26,496	32,408	3,459	6,734	10,475	9,137	1,056
Italy	15,001	11,476	14,690	2,695	5,130	4,383	4,286	925
New Zealand	6,023	6,209	6,083	377	2,121	2,286	1,829	149
Thailand	4,629	2,908	5,791	242	1,636	1,175	1,645	81
United Kingdom	36,821	46,893	40,107	3,000	12,579	17,197	11,774	1,124
United States of America	8,712	..	..	..	1,254	..	..	..
Other countries	41,453	30,784	38,605	4,126	14,216	11,919	9,833	1,468
Total	134,231	124,766	137,684	13,899	43,671	47,435	38,504	4,803
ZINC CONCENTRATE								
	- tonnes -							
Belgium-Luxembourg	27,631	57,367	64,559	2	2,978	7,330	9,028	..
Finland	16,462	..	..	..	1,953	..	..	..
Germany, Fed. Rep.	5,215	17,056	3,647	..	434	2,736	528	..
Japan	213,508	177,227	174,355	30,745	24,922	27,686	26,890	4,976
Norway	26,479	12,588	9,729	..	2,455	1,673	1,619	..
United Kingdom	66,347	38,212	140	..	6,193	5,084	28	..
Other countries	70,630	96,172	172,257	5,904	6,625	13,801	24,152	866
Total	426,272	398,622	424,687	36,651	45,560	58,311	62,245	5,842

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

Country	Quantity				Value (\$'000)			
	1973-74	1974-75	1975-76	June 1976	1973-74	1974-75	1975-76	June 1976
REFINED ZINC								
	- tonnes -							
India	19,009	18,253	5,173	38	7,193	11,014	2,957	21
Indonesia	15,939	10,270	19,392	2,247	7,095	6,203	11,442	1,395
Malaysia	6,546	5,330	5,785	364	2,873	3,073	3,363	221
New Zealand	19,876	19,569	13,941	3,408	8,408	11,532	8,349	2,110
Taiwan	15,995	8,190	11,657	800	6,811	4,882	6,820	461
Thailand	15,114	10,273	14,832	1,150	6,547	6,246	8,909	706
United Kingdom	21,091	20,347	9,773	1,535	7,144	7,713	3,467	547
United States of America	27,857	31,180	21,766	2,344	13,818	18,045	13,384	1,450
Other countries	22,977	17,017	21,748	1,520	9,442	9,818	12,124	775
Total	164,404	140,429	124,067	13,406	69,331	78,526	70,815	7,686
IRON ORE								
	- tonnes -							
Belgium-Luxembourg	1,785	2,546	1,643	186	6,627	14,680	16,094	1,515
France	1,355	1,584	1,933	72	7,258	12,295	18,241	788
Germany, Fed. Rep.	2,235	5,021	4,077	306	11,046	40,842	43,759	2,990
Italy	1,882	2,665	2,198	262	9,991	21,583	21,477	2,808
Japan	64,974	64,211	62,512	5,806	422,909	542,180	608,781	58,014
United Kingdom	919	1,069	550	71	4,914	8,138	6,125	987
United States of America	496	1,158	491	65	2,851	8,247	4,382	894
Other countries	4,645	7,095	5,432	488	26,485	57,040	51,091	4,946
Total	78,290	85,347	78,836	7,256	492,081	705,006	769,950	72,742
MINERAL SANDS								
	- tonnes -							
Belgium-Luxembourg	10,356	7,950	17,542	4,435	447	1,467	4,061	1,039
France	204,790	146,083	151,875	2,779	3,670	5,345	6,311	606
Italy	64,491	40,621	36,087	3,415	3,666	8,356	7,015	410
Japan	317,507	295,089	213,720	20,006	12,726	21,888	18,634	3,108
Netherlands	99,718	91,528	68,410	14,582	6,531	7,871	9,985	2,942
United Kingdom	321,536	232,777	237,146	10,323	13,452	16,409	15,751	2,274
United States of America	266,006	316,110	316,929	37,198	19,432	36,519	39,441	4,082
Other countries	186,754	225,314	211,676	19,079	12,151	23,554	24,728	1,055
Total	1,471,158	1,355,472	1,253,385	111,817	72,075	121,410	125,929	15,516
BLACK COAL								
	- tonnes -							
Belgium-Luxembourg	286	206	119	8	2,930	4,054	4,424	333
Greece	524	643	155	..	4,643	13,902	5,849	..
Italy	997	1,404	836	114	10,064	33,015	27,352	3,787
Japan	23,611	24,320	22,624	2,357	303,281	501,797	798,720	90,041
Korea, Rep.	665	654	641	140	7,989	14,012	21,323	4,901
Netherlands	730	1,076	463	147	7,645	21,197	11,699	4,477
United Kingdom	341	1,978	2,638	266	4,401	28,884	51,267	8,169
Other countries	601	2,372	1,747	343	7,039	43,649	53,270	13,055
Total	27,755	32,652	29,223	3,375	347,992	660,511	973,904	124,763

(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
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	1,017.9	655.3	300.8	194.9	20.32	628.7	364.3	(c)795.0	37.99
1976-77									
Highest	1,340.0	936.3	375.0	293.4	25.00	651.0	440.5	(c)795.0	37.00
Lowest	1,280.0	907.3	375.0	271.6	23.00	651.0	425.0	(c)795.0	37.00
1974-75 -									
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	19.53	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
October	952.2	573.2	290.0	167.5	20.00	613.3	342.3	375.7	39.34
November	934.0	575.1	290.0	164.4	20.00	637.0	343.9	390.0	38.75
December	923.8	568.2	290.0	164.6	19.50	637.0	333.9	390.0	38.75
January	936.0	587.5	290.0	165.6	19.00	637.0	340.6	(c)795.0	37.15
February	945.7	601.6	290.0	178.3	19.00	637.0	340.2	(c)795.0	37.00
March	1,033.0	683.7	290.0	197.4	20.00	637.0	373.6	(c)795.0	37.00
April	1,115.6	816.9	290.0	246.0	21.92	637.0	426.9	(c)795.0	37.00
May	1,254.3	836.0	355.0	266.3	22.90	637.0	427.2	(c)795.0	37.00
June	1,249.0	878.0	355.0	269.9	23.00	644.0	424.0	(c)795.0	37.00
1976-77 -									
July	1,322.7	922.1	375.0	282.8	24.28	651.0	433.7	795.0	37.00

Period	Tin		Straits (\$ Mal- picul)	Nickel U.S.A. (d) (\$US-lb)	Aluminium		Premium mar- kets (\$A-f oz)	Gold		Silver	
	Aust. (\$A - tonne)	L.M.E. (£ Stg - metric ton)			Aust.	U.S.A.		U.K. (\$US-f oz)	Aust. (d) (\$A-kg)	U.K. (Stg new pence- f oz)	
	10	11	12	13	14	15	16	17	18	19	
1973-74	4,774.1	2,882.8	957.0	1.59	(e)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	5,698.3	3,402.7	1,014.9	2.17	751.7	41.1	110.40	139.32	112.4	221.9	
1976-77 -											
Highest	7,534.0	4,905.0	1,280.0	2.20	787.0	44.0	98.60	123.30	119.0	202.2	
Lowest	6,805.0	4,538.0	1,220.4	2.20	787.0	41.0	98.60	107.75	119.0	249.6	
1974-75 -											
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	3,134.5	987.7	2.20	754.0	41.0	115.53	144.10	117.0	215.3	
October	5,295.9	3,079.2	956.3	2.20	754.0	41.0	112.18	142.75	106.4	210.9	
November	5,291.9	3,054.2	957.5	2.20	754.0	41.0	112.59	142.43	109.1	210.1	
December	5,273.4	3,056.5	953.8	2.20	754.0	41.0	110.05	139.30	107.1	202.4	
January	5,311.7	3,074.2	960.8	2.20	754.0	41.0	105.70	131.04	107.5	200.4	
February	5,551.6	3,205.4	1,001.2	2.20	754.0	41.0	103.14	131.08	103.0	201.6	
March	5,961.8	3,552.2	1,064.8	2.20	754.0	41.0	105.69	132.27	106.6	215.8	
April	6,126.0	3,848.8	1,084.3	2.20	754.0	41.6	102.83	127.94	106.2	239.3	
May	6,479.0	4,120.4	1,084.8	2.20	787.0	42.5	102.25	127.10	121.6	247.4	
June	6,699.0	4,410.3	1,173.4	2.20	787.0	42.5	102.13	125.70	126.6	271.3	
1976-77 -											
July	7,253.5	4,755.6	1,263.2	2.20	787.0	42.5	98.60	117.75	119.0	267.8	

(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) From 2 January 1976, prices quoted in U.S. per tonne. (d) Prior to July 1975, monthly prices were prices quoted on the last 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) Prior to January 1974 prices were expressed in \$A-ton.

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

Period	Tin Aust. (c) (\$A-mitu)	Wolfram Europe (c) (Sig-mitu)	Ilmenite Europe (d) (\$A-metric ton)	Rutile Europe (d) (\$A-metric ton)	Zircon Europe (d) (\$A-metric ton)
	20	21	22	23	24
1973-74	42.43	15.70-45.50	(e) 35-11.32	(f) 27.00-240.00	(f) 45.00-200.00
1974-75	48.58	37.00-50.25	13.00-18.00	200.00-330.00	170.00-330.00
1975-76	47.89	36.75-64.00	15.00-18.00	290.00-330.00	140.00-330.00
1976-77 -					
Highest	61.88	65.50	18.00	330.00	160.00
Lowest	61.88	63.75	15.00	290.00	140.00
1974-75 -					
May	46.37	42.50-43.50	15.00-18.00	290.00-330.00	290.00-330.00
June	46.08	40.00-42.00	15.00-18.00	290.00-330.00	290.00-330.00
1975-76					
July	45.38	36.75-38.75	15.00-18.00	290.00-330.00	290.00-330.00
August	46.71	41.99-43.00	15.00-18.00	290.00-330.00	200.00-240.00
September	45.87	41.50-43.50	15.00-18.00	290.00-330.00	200.00-240.00
October	44.28	39.50-42.00	15.00-18.00	290.00-330.00	200.00-240.00
November	44.11	42.00-43.50	15.00-18.00	290.00-330.00	140.00-160.00
December	44.03	42.00-44.00	15.00-18.00	290.00-330.00	140.00-160.00
January	44.24	44.00-45.65	15.00-18.00	290.00-330.00	140.00-160.00
February	46.40	45.00-46.25	15.00-18.00	290.00-330.00	140.00-160.00
March	50.30	51.00-53.00	15.00-18.00	290.00-330.00	140.00-160.00
April	51.66	58.50-60.25	15.00-18.00	290.00-330.00	140.00-160.00
May	54.87	60.75-62.75	15.00-18.00	290.00-330.00	140.00-160.00
June	56.77	62.50-64.00	15.00-18.00	290.00-330.00	140.00-160.00
1976-77 -					
July	61.88	63.75-65.50	15.00-18.00	290.00-330.00	140.00-160.00

(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) Monthly prices are averages of daily prices throughout the month. (d) 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 in the last trading day of the month. Annual prices are a range of the lowest and highest prices derived from these monthly prices. (e) Sig per metric ton. (f) Rutile to the period after August 1973. Note: No Australian prices have been quoted for Ilmenite, Rutile and Zircon since July 1974.

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)	
1973-74	131.7	118.2	138.1	151.3	131.3
1974-75	161.1	141.9	131.1	192.4	158.4
1975-76	200.2	158.0	137.5	207.8	193.1
1974-75 -					
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
October	196.2	155.5	132.2	200.9	189.0
November	199.3	156.8	131.0	205.2	191.7
December	199.5	157.2	134.4	194.2	191.9
January	200.7	158.4	134.4	197.2	193.1
February	200.7	159.4	134.6	196.1	193.2
March	212.3	161.6	138.4	204.7	203.4
April	217.7	161.8	148.6	210.0	208.6
May	217.8	166.1	155.2	216.1	209.6
June	218.4	166.1	153.7	231.0	210.4
1976-77 -					
July p	219.6	169.0	162.2	229.7	212.0

(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) Base 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)
1972-73	142	180	134
1973-74	196	289	160
1974-75	263	391	181
1974-75 -			
April	298	403	184
May	274	402	183
June	276	407	178
1975-76 -			
July	275	407	179
August	279	419	181
September	274	378	180
October	280	359	183
November	282	366	184
December	283	358	187
January	285	352	187
February	283	334	187
March	286	341	192
April	297	333	192
May	302	330	193
June	307	331	197

(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.

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APPENDIX A
AUSTRALIAN EXPORT COMMODITY CLASSIFICATION (A.E.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	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.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		
Steel ingots, blooms	671.10.00	Spiegeleisen
	671.20.00	Pig iron and cast iron
	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)
Mineral sands -	672.54.00	Bloms, billets, slabs, sheet bars and roughly forged pieces of high carbon or alloy steel
	283.93.13	In bulk
	283.93.15	In bags drums and similar containers
	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
	283.93.22	In bags, drums and similar containers - Premium grade
	283.93.24	In bags, drums and similar containers - Standard grade
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.) 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 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 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 cash price.
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.
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.	Concentrates, minimum 54% TiO ₂ bulk, f.o.b. Australia.
23.	Concentrates, 95-97% TiO ₂ , bagged, f.o.b., f.i.d. (c.i.f. up to and including August 1973)
24.	Concentrates, 66-67% ZrO ₂ , standard grade, f.o.b., f.i.d. (c.i.f. up to and including August 1973)

Currency and quantity equivalents and abbreviations used in Appendix C

Unit	Equivalent to -		
\$ Mal 1	May \$0.32	c.i.f.	cost, insurance, freight
Stg 1	May \$1.45	f.i.d.	free into container depot
\$US 1	May \$0.81	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)**

- 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.
- 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.
- 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.
- The prices collected are, as far as possible, those normally charged to representative manufacturers for goods delivered into their stores.
- 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)

- 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.
- The base of each index is: Year 1959-60 = 100.
- 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.
- 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.

	Imperial Unit	Metric Unit	Conversion factors	
			Imperial to metric: multiply imperial by	Metric to imperial: multiply metric by
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.