

CS

338.2

AUS. m

A



MINERALS AND MINERAL PRODUCTS

DECEMBER 1974

**AUSTRALIAN
BUREAU OF
STATISTICS**

CANBERRA

MINERALS AND MINERAL PRODUCTS, AUSTRALIA
DECEMBER 1974

CONTENTS

Table	Page
.. Explanatory Notes	2
Publications	
.. List of publications containing other mining and related statistics	4
Production	
1. Mine production of principal minerals, Australia	5
2. Production of principal manufactured products of mineral origin, Australia	6
Overseas trade	
3. Exports of selected minerals and mineral products, Australia	8
4. Principal metallic contents of selected ores and concentrates exported, Australia	9
5. Imports of selected minerals and mineral products, Australia	9
6. Exports of selected minerals and metals by country of consignment, Australia	10
Prices	
7. Average daily prices of selected metals, Australian and overseas markets	12
8. Prices of selected ores and concentrates, Australian and overseas markets	13
9. Price index of metallic materials used in the manufacture of fabricated metal products	13
10. Export price index, Australia	14
Government payments	
11. Australian Government payments to the mineral industry and to the manufacturing industry for products of mineral origin, Australia	14
Changes in stocks of gold	
12. Supplies and disposals of gold bullion	15
Appendixes	
A. Australian Export Commodity Classification (Tables 3, 4 and 6)	16
B. Australian Import Commodity Classification (Table 5)	17
C. Prices of selected metals and minerals (Tables 7 and 8)	18
D. Metallic Materials Price Index (Table 9)	19
E. Export Price Index (Table 10)	19
F. Imperial Metric Conversion	19

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 and future editions of the bulletin will be 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 Customs and Excise.

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* 1974 (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
- n.a. not available
- break in continuity of series (where drawn across a column between two consecutive figures).

PUBLICATIONS

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

A. Commodity statistics

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

B. Industry and related statistics

Quarterly	<i>Mineral Exploration (other than for petroleum) Expenditure by Principal Enterprises</i> (Reference No. 10.75) (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) (a) <i>Manufacturing Establishments: Summary of Operations</i> (Reference No. 12.23) (a) <i>Foreign Ownership and Control of the Mining Industry 1972-73</i> (Reference No. 10.42) (a) <i>Mineral Exploration (other than for petroleum) (Preliminary)</i> (Reference No. 10.71) (a) <i>Mineral Exploration</i> (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)

TABLE 1. - MINE PRODUCTION OF PRINCIPAL MINERALS, AUSTRALIA

Period	Metallic minerals									
	Non-ferrous					Ferrous and alloy (a)				
	Copper (b)	Lead (b)	Zinc (b)	Tin (b)	Nickel concentrate (a)	Bauxite (a)	Iron ore and concen- trate	Manganese ore	Tungsten concentrates	Precious (b) Gold (c)
	tonnes	tonnes	tonnes	tonnes	tonnes	'000 tonnes	'000 tonnes	'000 tonnes	tonnes	'000 grams
1971-72	171,920	420,796	497,540	11,070	299,144	13,697	62,103	1,164	2,683	23,253
1972-73	198,718	385,008	506,995	11,754	268,349	14,702	74,645	1,295	2,672	20,002
1973-74	257,382	380,303	445,345	10,603	298,319	15,642	91,724	1,657	1,805	16,744
July-Dec. 1973-74	123,540	216,166	244,884	5,537	153,198	9,763	45,217	841	821	{ 8,482
1974-75	120,452	213,440	253,584	5,200	158,018					
1973-74 - November	20,625	34,170	35,435	995	24,607	{ (d)	{ (d)	{ (d)	{ (d)	{ 1,775
December	18,767	26,876	31,721	818	21,639					
January	20,912	20,508	27,202	715	24,525	{ 4,328	{ 23,436	{ 395	{ 401	{ 1,277
February	20,049	29,129	35,843	736	17,093					
March	22,174	33,345	40,593	907	23,660					
April	21,798	30,363	34,949	824	26,033	{ 4,551	{ 23,071	{ 422	{ 583	{ 1,339
May	24,801	17,253	21,003	952	25,391					
June	24,108	33,539	40,871	932	28,419					
1974-75										
July	22,112	35,069	43,201	890	29,771	{ 5,287	{ 25,481	{ 366	{ 360	{ 1,334
August	20,936	38,303	44,663	825	27,986					
September	19,415	35,166	39,364	891	25,934					
October	20,904	39,703	46,654	941	26,508	{ 26,134	{ 26,134	{ 26,134	{ 26,134	{ 1,330
November	20,481	34,699	43,558	827	26,134					
December	16,604	30,500	36,144	826	21,685					

Period	Metallic minerals - continued					Fuel minerals					
	Precious (b) - continued		Mineral sands concentrates (a)			Black coal			Petroleum (e)		
	Silver	Ilmenite (f)	Rutile	Zircon		Under- ground	Total	Seasonally adjusted (g)	Brown coal	Crude oil	Natural gas
	'000 grams	tonnes	tonnes	tonnes	tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 cu m	million cu m
1971-72	700,164	705,256	355,674	390,514	36,487	53,548	..	23,630	19,038	2,628	2,628
1972-73	609,459	720,996	318,698	373,024	36,959	59,755	..	24,121	20,669	3,713	3,713
1973-74	733,516	725,947	307,841	340,710	34,598	59,833	..	26,265	23,162	4,403	4,403
July-Dec. 1973-74	392,499	359,585	158,159	175,160	18,987	31,945	..	12,630	11,805	2,194	2,194
1974-75	384,852				19,148	35,721	..	13,637	11,050	2,468	2,468
1973-74 - October	65,071	62,494	30,197	31,470	3,482	6,001	5,088	1,752	1,885	362	362
November	66,048	53,200	23,968	27,145	3,441	5,882	5,016	1,470	1,930	333	333
December	50,868	51,322	26,689	29,928	2,214	3,658	5,238	1,977	2,056	323	323
January	47,046	53,268	23,542	26,688	2,047	3,230	4,618	1,984	2,096	308	308
February	49,225	58,219	25,316	28,307	2,654	4,643	4,721	2,122	1,766	323	323
March	62,365	63,296	23,815	26,275	2,425	4,487	4,397	2,315	1,968	353	353
April	63,674	60,877	25,103	27,733	1,692	3,306	4,011	2,236	1,865	361	361
May	50,451	56,555	28,477	29,615	3,451	6,291	5,469	2,563	1,869	420	420
June	68,256	74,147	23,429	26,932	3,342	5,930	5,728	2,414	1,793	442	442
1974-75											
July	70,970	73,425	26,140	28,454	3,604	6,613	5,469	2,856	1,358	458	458
August	70,732	72,087	22,265	26,162	3,056	5,274	5,857	2,556	1,257	449	449
September	53,872	69,501	21,350	28,549	1,968	5,986	5,783	2,087	2,110	422	422
October	68,340	75,882	28,683	36,058	3,793	7,071	5,981	2,033	2,136	405	405
November	64,845	77,857	26,476	34,939	3,324	5,865	5,227	2,207	2,046	374	374
December	56,093				2,402	4,912	7,002	1,897	2,143	360	360

(a) Quantities shown are gross output. (b) Quantities shown are metallic contents of mine products based on chemical assay. (c) Western Australian gold production figures (in respect of major producers) normally relate to a four-week period ending in the calendar month indicated. However, two such periods ended in the calendar month of November 1973. (d) Available on a quarterly basis only. (e) Source: Department of Minerals and Energy. (f) Includes ilmenite for beneficiating. (g) See explanatory notes, paragraph 7, page 2.

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

Period	Metals										
	Non-ferrous								Ferrous		
	Alumina	Refined aluminium	Blister copper (b)	Refined copper	Lead bullion (b)(c)	Refined lead	Refined zinc	Refined tin	Iron ore pellets (d)	Pig iron (e)	
	'000 tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	'000 tonnes	'000 tonnes	
1971-72	2,826	212,461	144,791	130,827	141,582	190,638	274,245	6,391	6,014	(f)6,072	
1972-73	3,498	207,531	149,355	136,435	138,925	173,561	299,433	7,301	8,734	(f)7,182	
1973-74	4,480	208,206	183,286	148,717	150,606	201,025	281,586	6,509	10,214	(f)7,515	
July-Dec.											
1973-74	2,230	104,306	87,332	78,441	78,279	102,862	153,382	3,317	5,133	4,011	
1974-75	2,647	115,431	93,741	89,226	74,619	94,594	148,627	3,522	4,985	3,755	
1973-74 -											
November	395	15,914	12,634	14,398	14,290	15,629	25,963	464	762	648	
December	414	17,467	14,160	11,948	13,028	19,345	20,212	635	887	707	
January	371	17,092	14,813	11,787	13,263	18,596	26,239	598	889	662	
February	339	15,188	14,926	5,662	10,640	16,387	23,412	728	794	611	
March	350	17,686	16,359	9,934	12,784	18,279	11,917	427	955	651	
April	409	17,501	15,459	13,895	10,855	17,951	22,182	334	850	522	
May	397	18,342	16,817	15,733	12,649	14,318	22,561	610	810	525	
June	384	18,091	17,580	13,265	12,136	12,632	21,893	495	783	524	
1974-75											
July	422	19,072	16,635	13,688	13,455	13,703	28,964	345	751	630	
August	404	19,269	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	25,119	756	763	583	
October	451	19,761	16,107	14,157	11,899	17,436	24,297	559	953	632	
November	439	18,749	14,663	16,277	12,999	15,524	22,329	446	844	614	
December	479	19,720	13,655	14,680	12,501	14,749	23,320	801	798	700	
Metals - continued											
Period	Precious										
	Refined gold										
	Ferrous - continued										
	Raw steel (e)										
	Original	Seasonally adjusted (g)	Blooms and slabs	Tinplate	Australian origin			Overseas origin			Refined silver
					Newly won		From scrap	Newly won	From scrap		
Quantity	Value (h)										
'000 tonnes	'000 tonnes	'000 tonnes	tonnes	'000 grams	'000 grams	'000	'000 grams	'000 grams	'000 grams	'000 grams	
1971-72	(f)6,585	..	(f)5,551	(f)317,251	16,394	22,171	662	3,537	53	273,142	
1972-73	(f)7,235	..	(f)6,164	(f)242,679	14,689	28,148	554	3,254	130	248,550	
1973-74	(f)7,707	..	(f)6,429	(f)318,844	11,106	29,021	790	2,561	56	242,931	
July-Dec.											
1973-74	4,150	..	3,397	165,166	6,275	13,322	449	1,331	15	122,307	
1974-75	4,156	..	3,385	179,308	5,359	22,534	451	1,515	56	122,424	
1973-74											
November	669	651	565	27,235	878	2,526	116	196	..	20,110	
December	718	702	542	27,710	1,184	2,032	58	242	..	17,714	
January	690	704	580	29,061	399	1,561	47	228	..	19,900	
February	640	720	507	26,357	738	2,878	53	191	24	17,950	
March	675	683	537	26,072	991	1,929	72	212	..	19,034	
April	528	544	477	24,304	861	4,005	54	186	..	23,186	
May	538	527	504	27,151	899	3,896	66	180	16	19,747	
June	527	562	489	28,633	943	1,429	49	233	..	20,817	
1974-75											
July	656	629	445	34,584	951	4,717	74	225	..	17,534	
August	651	619	539	30,225	634	1,962	89	220	20	17,801	
September	624	617	587	25,914	1,288	5,669	63	293	1	23,249	
October	748	705	601	31,147	810	3,052	52	219	18	23,696	
November	727	715	619	31,276	855	3,368	113	293	..	19,434	
December	751	728	594	26,162	821	3,767	60	265	17	18,710	

(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	Fuels					
	Petroleum products (a)			Coal products		
	Motor spirit	Automotive distillate	Furnace fuel	Industrial diesel fuel	Metallurgical coke	Brown coal briquettes
	million litres	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes
1971-72	10,609	3,426	5,015	1,112	4,189	1,329
1972-73	11,157	3,706	5,042	1,055	4,925	1,221
1973-74	12,200	4,265	5,265	1,276	4,916	1,164
July - Dec.						
1973-74	6,218	2,186	2,846	710	2,557	580
1974-75	6,147	2,215	2,455	629	2,756	571
1973-74 -						
November	1,085	391	509	102	401	69
December	1,092	465	503	105	433	50
January	1,040	369	399	98	451	68
February	945	310	396	80	400	79
March	1,009	367	344	95	391	90
April	925	343	446	87	382	99
May	1,098	342	453	102	353	134
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
Building materials and chemicals						
Period	Building materials			Chemicals		
	Portland cement		Asbestos cement sheets non-acoustic	Sulphuric acid		Superphosphate (c)
	Original	Seasonally adjusted (b)		Original	Seasonally adjusted (b)	
	'000 tonnes	'000 tonnes	'000 sq m	'000 tonnes	'000 tonnes	'000 tonnes
1971-72	4,884	..	36,647	1,750	..	3,729
1972-73	5,037	..	39,802	2,265	..	4,918
1973-74	5,330	..	44,128	2,428	..	5,313
July - Dec.						
1973-74	2,795	..	23,842	1,123	..	2,336
1974-75	2,669	..	23,765	1,126	..	2,375
1973-74 -						
November	494	449	4,127	182	185	370
December	442	493	3,546	197	190	448
January	300	402	2,085	226	210	506
February	416	464	3,564	226	218	531
March	468	443	4,023	189	192	432
April	434	456	2,929	228	208	496
May	468	433	4,283	223	214	483
June	450	446	3,403	214	242	529
1974-75						
July	399	370	4,500	167	230	302
August	450	425	3,713	160	173	335
September	467	462	4,365	210	194	443
October	485	438	4,181	208	193	416
November	446	407	3,641	179	177	412
December	422	465	3,366	201	197	466

(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)

		Quantity					Value (\$'000)				
		July-Dec.				Dec. 1974	July-Dec.				Dec. 1974
Commodity (b)		1972-73	1973-74	1973-74	1974-75		1972-73	1973-74	1973-74	1974-75	
METALLIC MINERALS AND METALS (c)											
Non-ferrous —											
Copper —											
Concentrate	tonnes	164,451	175,620	73,868	76,850	8,185	32,267	57,755	19,980	23,210	2,961
Blister	"	7,728	10,426	5,108	7,146	973	9,896	21,856	8,559	10,680	1,389
Refined	"	49,967	50,678	26,764	46,622	8,970	44,729	76,850	37,470	50,589	9,075
Matte, slags, etc.	"	9,829	8,392	5,917	4,043	1,307	2,640	2,436	1,282	1,404	251
Lead —											
Concentrate	tonnes	74,145	77,678	44,421	29,583	4,440	12,441	19,445	8,602	8,416	1,578
Bullion	"	142,270	147,820	72,915	64,553	4,038	44,940	73,059	28,313	31,363	2,209
Refined	"	149,691	134,231	70,000	68,701	4,841	36,400	43,671	19,237	26,578	1,804
Slags and residues	"	6,628	44,823	30,876	14,184	6,093	1,064	2,644	1,637	1,047	195
Zinc —											
Concentrate	tonnes	289,836	426,272	252,300	253,930	24,942	21,508	45,560	24,507	35,516	4,345
Refined	"	203,777	164,404	89,247	85,979	10,228	61,979	69,331	32,709	48,032	6,206
Slags and residues	"	5,011	6,758	4,022	2,857	701	617	1,647	812	1,046	236
Tin —											
Concentrate	tonnes	11,290	8,277	4,215	6,012	404	11,739	13,621	5,810	13,761	1,108
Refined	"	3,939	2,410	1,208	1,132	161	12,026	7,641	3,844	5,032	580
Aluminium (d) —											
Alumina	'000 tonnes	2,966	3,951	1,877			155,453	196,078	89,634		
Refined	tonnes	81,344	45,829	21,939	28,918	5,036	30,767	20,725	9,447	16,804	3,170
Ferrous and alloy —											
Iron ore —											
Pellets	'000 tonnes	7,987	9,519	4,793	3,997	714	76,494	89,905	44,509	47,201	10,309
Fines	"	25,178	31,874	15,295	18,448	2,704	126,313	154,078	73,003	108,482	18,250
Lump	"	33,171	36,871	18,903	21,785	3,194	236,285	248,098	122,578	178,633	29,157
Tungsten —											
Scheelite concentrate	tonnes	1,553	1,653	1,001	934	142	3,019	3,355	2,045	3,345	743
Wolfram concentrate	"	818	382	259	245	30	1,734	792	531	965	144
Pig iron	tonnes	687,124	957,805	543,553	343,884	44,834	27,286	60,081	28,044	36,996	5,595
Steel ingots, blooms	"	743,169	729,572	398,544	462,207	66,843	48,377	64,059	29,492	58,131	9,211
Mineral sands —											
Ilmenite concentrate	tonnes	521,823	710,570	340,059	379,041	67,034	5,731	8,136	3,809	5,316	866
Rutile concentrate	"	338,760	359,043	184,763	173,024	27,857	39,750	45,324	22,335	25,610	4,211
Zircon concentrate	"	419,962	401,545	226,009	211,173	45,359	15,131	18,615	8,395	22,114	7,521
Precious —											
Gold, refined	'000 grams	10,136	4,344	836	2,133	..	18,239	13,660	2,296	7,323	..
Silver, refined	"	181,014	112,762	52,176	53,077	2,338	8,731	8,200	2,908	4,799	273
FUEL MINERALS											
Coal, black	'000 tonnes	25,751	27,755	14,763	16,337	2,807	290,703	326,565	170,629	312,084	60,376
Crude oil (e)	'000 cu m	330	288	192	102	20	4,910	8,520	4,201	6,217	1,371

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

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

Particulars	Metallic contents - estimated from assay							
	Copper	Lead	Zinc	Tin	Iron	Tungstic oxide	Gold	Silver
	tonnes	tonnes	tonnes	tonnes	'000 tonnes	metric ton units	'000 grams	'000 grams
1970-71	45,040	242,409	210,868	3,861	31,197	153,779	6,807	376,888
1971-72	44,310	198,306	203,549	4,589	32,174	156,541	3,131	404,807
1972-73	57,330	191,064	164,453	4,518	41,694	165,595	6,077	385,194
1973-74	62,016	197,322	237,293	3,975	51,552	139,866	3,176	416,465
July-Oct.								
1973-74	22,504	68,791	79,008	1,756	16,216	63,824	856	135,889
1974-75	19,368	55,344	92,971	2,152	18,606	65,865	2,693	142,199
October 1974 -								
Copper concentrate	7,926	..	..	..	..	..	267	1,428
Blister copper	327	..	..	..	..	..	22	..
Copper matte, slag etc.	913	742	..	..	..	..	1	1,792
Lead concentrate	594	5,198	1,495	..	..	..	301	23,583
Lead bullion	5	9,156	..	..	..	..	..	16,645
Lead slags and residues	..	620	..	..	..	..	9	1,983
Zinc concentrate	..	264	22,014	..	..	..	..	2,905
Zinc slags and residues	..	..	349	..	..	..	..	..
Tin concentrate	..	..	..	452	..	..	..	..
Iron ore - Pellets	..	..	..	..	359	..	..	..
Fines	..	..	..	..	2,165	..	..	..
Lump	..	..	..	..	2,493	..	..	..
Scheelite concentrate	..	..	..	..	..	12,460	..	..
Wolfram concentrate	..	..	..	..	..	1,877	..	..
Total Oct. 1974	9,765	15,980	23,858	452	5,017	14,337	600	48,457

(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

MINERAL PRODUCTS, AUSTRALIA											
Commodity (a)		Quantity					Value (\$'000)				
		July-Dec.				Dec. 1974	July-Dec.				Dec. 1974
		1972-73	1973-74	1973-74	1974-75		1972-73	1973-74	1973-74	1974-75	
METALS											
Tin, refined	tonnes	65	67	20	10	..	203	336	72	55	..
Nickel (pigs, anodes, etc.)	tonnes	1,060	2,687	1,941	778	34	2,677	5,474	3,751	2,180	106
Ferro-alloys	tonnes	27,203	46,335	21,395	22,943	1,395	7,801	12,570	5,338	10,255	847
Gold -											
Unrefined bullion (b)	'000 grams	3,091	2,697	1,486	1,280	227	5,205	7,265	3,385	3,558	716
Refined	"	160	7	1	24	14	233	21	1	108	84
FUEL MINERALS											
Crude oil (c)	'000 cu m	9,316	10,139	5,368	5,130	719	99,384	244,062	66,834	243,062	38,017
NON-METALLIC MINERALS											
Asbestos	tonnes	62,905	56,839	28,348	26,452	4,677	9,909	8,216	4,065	4,822	893
Diamonds -											
Industrial	metric carat	807,960	1,084,883	493,705	595,826	37,929	3,099	3,717	1,742	2,113	176
Gemstone	"	59,416	90,196	38,089	32,521	4,106	9,346	14,732	6,410	6,661	833
Phosphate rock	'000 tonnes	2,282	3,104	1,560	1,503	195	22,647	35,232	17,286	35,669	5,788
Potassium fertilisers	tonnes	165,412	190,597	92,396	103,648	14,137	4,701	5,220	2,532	2,953	523
Sulphur	tonnes	498,275	608,010	316,245	393,511	47,033	6,660	8,329	3,816	9,273	1,399

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

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

Country	Quantity					Value (\$'000)				
	1972-73	1973-74	July-Dec.		Dec. 1974	1972-73	1973-74	July-Dec.		Dec. 1974
			1973-74	1974-75				1973-74	1974-75	
REFINED COPPER										
- tonnes -										
France	7,268	12,913	7,022	6,772	449	6,214	19,119	9,556	7,505	446
Germany, Fed. Rep.	13,798	15,734	7,054	19,538	5,023	12,255	22,940	9,605	21,330	5,087
Japan	4,030	8,054	4,566	5,081	1,997	3,547	14,375	7,200	5,491	2,035
United Kingdom	23,295	11,601	7,025	10,706	1,501	21,223	17,135	9,760	11,448	1,506
Other countries	1,576	2,376	1,097	4,525	..	1,491	3,281	1,350	4,815	..
Total	49,967	50,678	26,764	46,622	8,970	44,729	76,850	37,470	50,589	9,075
LEAD BULLION										
- tonnes -										
Germany, Fed. Rep.	10,295	9,358	4,013	3,221	673	2,877	3,738	1,117	1,599	373
Netherlands	15,199	13,727	8,108	8,747	1,267	4,004	4,575	2,225	3,873	587
United Kingdom	116,776	124,484	60,794	50,438	..	38,060	64,642	24,970	24,621	..
Other countries	..	251	..	2,149	2,098	..	104	..	1,271	1,249
Total	142,270	147,820	72,915	64,555	4,038	44,940	73,059	28,313	31,363	2,209
REFINED LEAD										
- tonnes -										
India	26,109	21,592	10,262	23,052	3,106	6,302	6,734	2,862	9,221	1,110
Italy	7,001	15,001	10,001	5,661	360	1,732	5,130	2,982	2,199	141
New Zealand	5,082	6,023	3,140	3,538	475	1,315	2,121	968	1,362	187
Thailand	4,293	4,629	2,903	1,883	175	1,158	1,636	922	771	76
United Kingdom	47,775	36,821	14,692	18,806	..	12,101	12,579	4,163	6,827	..
United States of America	46,480	8,712	5,711	..	..	10,364	1,254	220	..	..
Other countries	12,951	41,453	23,291	15,761	725	3,428	14,216	7,121	6,197	290
Total	149,691	134,231	70,000	68,701	4,841	36,400	43,671	19,237	26,578	1,804
ZINC CONCENTRATE										
- tonnes -										
Belgium-Luxembourg	24,784	27,631	12,000	39,287	..	1,809	2,978	1,124	5,048	..
Finland	28,155	16,462	16,462	..	..	1,886	1,953	1,953	..	..
Germany, Fed. Rep.	18,827	5,215	5,215	17,096	3,282	1,342	434	434	2,711	872
Japan	147,654	213,508	113,051	136,602	11,772	11,576	24,922	11,696	19,987	2,039
Norway	22,873	26,479	26,479	12,588	..	1,719	2,455	2,455	1,673	..
United Kingdom	29,399	66,347	34,031	23,545	..	1,970	6,193	2,860	2,958	..
Other countries	18,144	70,630	45,062	24,812	9,888	1,206	6,625	3,985	3,138	1,433
Total	289,836	426,272	252,300	253,930	24,942	21,508	45,560	24,507	35,516	4,345

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

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

Country	Quantity					Value (\$ '000)				
	1972-73	1973-74	July-Dec.		Dec. 1974	1972-73	1973-74	July-Dec.		Dec. 1974
			1973-74	1974-75				1973-74	1974-75	
REFINED ZINC										
	- tonnes -									
India	18,475	19,009	10,952	14,251	2,000	5,699	7,193	3,558	8,563	1,294
Indonesia	10,581	15,939	8,108	4,864	747	3,298	7,095	3,018	2,809	455
Malaysia	7,200	6,546	2,755	3,941	100	2,266	2,873	1,039	2,222	59
New Zealand	20,901	19,876	9,804	9,724	734	6,394	8,408	3,661	5,285	450
Taiwan	14,114	15,995	9,947	5,171	137	4,377	6,811	3,777	2,988	102
Thailand	14,446	15,114	6,843	6,886	1,147	4,480	6,547	2,478	4,176	727
United Kingdom	42,576	21,091	15,757	8,765	..	10,490	7,144	5,182	3,104	..
United States of America	47,854	27,857	10,624	21,057	4,006	16,301	13,818	4,628	12,328	2,438
Other countries	27,630	22,977	14,457	11,320	1,057	8,674	9,442	5,368	6,555	680
Total	203,777	164,404	89,247	85,979	10,228	61,979	69,331	32,709	48,032	6,206
IRON ORE										
	- '000 tonnes -									
Belgium-Luxembourg	1,498	1,785	973	1,169	195	5,878	6,627	3,524	5,081	933
France	851	1,355	388	889	251	3,518	7,258	1,864	6,188	2,250
Germany, Fed. Rep.	1,731	2,235	1,014	2,641	451	10,612	11,046	4,448	19,438	3,471
Italy	1,812	1,882	1,076	1,171	108	10,923	9,991	5,266	7,179	1,014
Japan	56,458	64,948	33,015	33,841	5,029	384,029	422,909	212,154	264,986	45,467
United Kingdom	1,328	919	459	489	120	8,704	4,914	2,819	3,758	1,087
United States of America	572	496	242	571	53	3,576	2,851	1,210	4,136	355
Other countries	2,086	4,645	1,823	3,461	406	11,851	26,455	8,806	23,549	3,140
Total	66,336	78,265	38,991	44,231	6,613	439,092	492,081	240,090	334,316	57,716
MINERAL SANDS										
	- tonnes -									
Belgium-Luxembourg	34,907	10,356	9,194	6,129	417	2,037	447	312	889	30
France	140,284	204,790	103,502	75,933	1,001	2,478	3,670	1,620	1,908	238
Italy	44,811	64,491	22,663	16,612	6,732	2,012	3,666	1,196	3,040	1,696
Japan	274,514	317,507	170,225	167,419	24,603	10,965	12,726	6,693	10,280	3,163
Netherlands	78,545	99,718	65,832	49,030	10,353	4,368	6,531	3,206	2,618	536
United Kingdom	281,569	321,536	186,384	147,270	28,230	8,883	13,452	6,650	6,977	2,240
United States of America	285,381	266,006	121,075	163,743	37,443	21,108	19,432	9,500	15,331	1,972
Other countries	140,534	186,754	71,956	137,102	31,471	8,760	12,151	5,302	10,477	2,723
Total	1,280,545	1,471,158	750,831	763,238	140,250	60,612	72,075	34,539	53,040	12,598
BLACK COAL										
	- '000 tonnes -									
Belgium-Luxembourg	361	286	186	151	..	4,429	2,930	1,754	2,742	..
Greece	564	524	199	269	99	5,927	4,643	1,890	4,837	1,997
Italy	579	997	557	620	45	6,809	10,054	6,024	12,459	1,028
Japan	23,066	23,611	12,939	12,423	2,009	260,205	282,171	151,575	247,339	43,897
Korea, Rep.	94	665	348	330	51	1,031	7,989	4,134	6,534	1,542
Netherlands	652	730	330	485	90	7,330	7,645	3,118	6,873	1,724
United Kingdom	127	341	75	866	222	1,519	4,401	872	12,213	3,444
Other countries	306	601	129	1,193	290	3,452	6,732	1,263	19,087	6,745
Total	25,751	27,755	14,763	16,337	2,807	290,703	326,565	170,629	312,084	60,376

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

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

Period	Copper		Lead		Zinc				
	Aust. (\$A - tonne)	L.M.E. (£ Stg - metric ton)	Aust. (\$A - tonne)	L.M.E. (£ Stg - metric ton)	U.S.A. (USc-lb)	Aust. (\$A - tonne)	L.M.E. (£ Stg - metric ton)	Prod. (£ Stg - ton)	U.S.A. (USc-lb)
	1	2	3	4	5	6	7	8	9
1971-72	(c) 976.6	427.9	(c)237.9	106.7	14.72	(c)343.0	141.4	150.0	17.21
1972-73	990.3	508.6	(c)250.0	137.8	15.63	(c)355.5	177.2	174.3	19.41
1973-74	1,428.8	980.7	358.4	237.4	18.48	454.2	582.0	282.4	27.45
1974-75 -									
Highest	1,480.0	852.5	380.0	246.0	24.50	640.0	501.0	360.0	40.00
Lowest	900.0	504.3	355.0	213.8	24.50	519.0	300.5	330.0	34.50
1973-74 -									
November	1,441.8	950.4	295.0	204.2	16.50	413.4	676.3	259.1	20.63
December	1,454.2	959.9	330.0	255.3	17.87	477.0	697.0	300.0	27.16
January	1,377.0	913.2	370.0	254.0	18.09	465.6	620.0	300.0	30.50
February	1,477.0	1,006.5	349.0	285.1	19.00	452.0	664.1	300.0	31.62
March	1,460.0	1,172.0	410.0	302.6	19.12	468.4	694.7	330.0	31.92
April	1,460.0	1,267.7	465.0	293.5	20.87	521.0	727.4	330.0	34.50
May	1,460.0	1,190.6	465.0	276.6	21.50	524.6	736.3	330.0	34.75
June	1,460.0	1,020.1	416.3	238.2	22.85	541.0	588.4	330.0	34.75
1974-75 -									
July	1,402.0	801.9	367.8	229.0	24.50	541.0	458.0	330.0	36.48
August	1,264.0	767.9	380.0	233.9	24.50	536.8	453.4	330.0	38.00
September	1,017.0	631.0	363.3	232.3	24.50	539.3	392.7	342.9	38.55
October	1,073.9	599.2	380.0	230.0	24.50	640.0	353.1	360.0	39.00
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
Period	Tin		Nickel		Aluminium		Gold		Silver
	Aust. (\$A - tonne)	L.M.E. (£ Stg - metric ton)	Strait (\$ Mal- piau)	U.K. (£ Stg - metric ton)	Aust. (\$A - tonne)	U.S.A. (USc-lb)	Premium markets (\$A f.o.z.) Australia and Overseas	U.K. (\$US f.o.z.)	U.K. (\$Stg new pence- f.o.z.)
	10	11	12	13	14	15	16	17	18
1971-72	(c)3,306.3	1,435.8	629.7	1,246.5	(c)578.0	26.7	39.74	46.89	(f)126.9
1972-73	(c)3,291.2	1,630.5	627.7	1,371.8	(c)578.0	24.3	58.40	77.92	(f)156.6
1973-74	4,774.1	2,882.8	957.0	1,476.4	(g)591.0	28.2	88.47	130.76	82.53
1974-75 -									
Highest	6,991.0	4,195.0	1,310.0	1,805.7	707.0	39.0	138.23	195.25	119.8
Lowest	5,262.0	2,925.0	910.0	1,511.0	591.0	33.5	92.63	131.50	89.3
1973-74 -									
November	3,913.3	2,349.8	790.2	1,413.3	(c)578.0	26.3	64.46	94.92	61.4
December	4,265.7	2,788.5	860.8	1,414.3	(c)578.0	27.0	70.11	106.39	63.5
January	4,284.1	2,884.7	913.0	1,463.2	591.0	30.3	81.95	129.37	70.4
February	5,100.0	3,308.3	1,074.5	1,596.1	591.0	29.0	98.94	150.24	83.8
March	5,619.9	3,528.0	1,166.3	1,639.5	591.0	29.0	112.99	168.71	123.2
April	6,326.7	3,847.1	1,292.6	1,639.5	591.0	31.5	114.54	172.23	117.4
May	6,521.9	3,855.0	1,301.7	1,537.9	591.0	31.5	110.59	163.27	122.2
June	6,391.4	3,774.6	1,305.2	1,525.7	591.0	33.5	105.08	154.01	106.7
1974-75 -									
July	6,048.0	3,411.7	1,175.5	1,511.0	591.0	33.5	92.63	148.70	100.3
August	6,079.3	3,739.4	1,238.9	1,679.9	591.0	33.5	102.33	154.68	104.0
September	5,868.3	3,903.3	1,162.9	1,750.5	635.2	38.7	106.30	151.77	89.3
October	5,691.5	3,180.8	1,003.0	1,781.2	649.0	39.0	118.67	158.78	104.5
November	5,730.0	3,182.0	983.1	1,805.7	649.0	39.0	136.14	181.57	119.8
December	5,458.0	3,078.9	945.9	1,792.8	695.0	39.0	138.23	183.75	109.2
January	5,822.0	3,252.3	992.8	1,796.9	707.0	39.0	129.90	176.27	100.1

(a) Where a daily market does not actually exist for a commodity, daily prices have been imputed from price data which are available. The numerals shown at the head of each column are reference numbers which relate to the detailed price specifications set out in Appendix C. Appendix C also sets out explanations for abbreviations used, and currency and quantity equivalents for the units referred to in this table. (b) See paragraph 4, page 2. (c) \$A per ton. (d) The price shown for each month is the US producer price (adjusted to UK currency as quoted in UK) on the first trading day of the month. Annual prices are averages of monthly prices. (e) Monthly prices are prices quoted on the first trading day of the month. Annual prices are the averages of the monthly prices. (f) Ac (Australian cents) per f. oz. (g) Relates to the period after January 1974 when prices were expressed in \$A-ounce.

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

Period	Ilmenite (c)				Rutile (c)		Zircon (c)	
	Tin	Wolfram			Aust.	Europe	Aust.	Europe
	Aust. (d) (\$A-mtu)	Europe (d) (£Stg-mtu)	Aust. (\$A-tonne)	Europe (\$A-metric ton)	(\$A-tonne)	(\$A-metric ton)	(\$A-tonne)	(\$A-metric ton)
	20	21	22	23	24	25	26	27
1971-72	(e)28.27	14.00-22.00	(f)11.12	(g)9.35-11.32	(f)115-150	(g)64.00-79.72	(f)35.39	(g)26.82-28.05
1972-73	(e)27.93	14.00-19.15	(f)10.5-12.0	(g)9.35-11.32	(f)115-125	(g)64.00-87.00	(f)35.39	(g)26.82-38.00
1973-74	42.43	15.70-45.50	10.5-12.0	(g)9.35-11.32	125-130 (h)	127.00-240.00	45.50	(h)45.00-200.00
1974-75 -								
Highest	52.88	50.25	12.0	15.00	(i)	330.00	(i)	330.00
Lowest	44.85	37.00	11.0	13.00	(i)	200.00	(i)	170.00
1973-74 -								
November	33.65	19.50-20.20	11.0-12.0	(g)9.35-11.32	(i)	140.00-148.00	(i)	65.00-75.00
December	36.83	21.00-21.75	11.0-12.0	(g)9.35-11.32	(i)	140.00-148.00	(i)	65.00-75.00
January	37.31	21.00-22.25	11.0-12.0	(g)9.35-11.32	(i)	140.00-148.00	(i)	65.00-75.00
February	44.84	21.70-22.70	11.0-12.0	(g)9.35-11.32	(i)	145.00-152.00	(i)	90.00-100.00
March	49.67	35.15-37.00	11.0-12.0	(g)9.35-11.32	(i)	145.00-152.00	(i)	90.00-100.00
April	58.58	25.70-26.35	11.0-12.0	(g)9.35-11.32	(i)	165.00-180.00	(i)	115.00-130.00
May	57.38	36.00-37.00	11.0-12.0	(g)9.35-11.32	(i)	175.00-200.00	(i)	140.00-160.00
June	55.87	42.00-45.50	11.0-12.0	(g)9.35-11.32	(i)	200.00-240.00	(i)	170.00-200.00
1974-75 -								
July	52.47	41.00-43.00	11.0-12.0	(g)9.35-11.32	(i)	200.00-240.00	(i)	170.00-200.00
August	52.88	42.00-44.50	(i)	13.00-14.00	(i)	280.00-320.00	(i)	270.00-310.00
September	50.51	47.50-49.00	(i)	13.00-14.00	(i)	280.00-320.00	(i)	270.00-310.00
October	48.31	48.25-50.25	(i)	13.00-15.00	(i)	290.00-330.00	(i)	290.00-330.00
November	47.71	45.00-47.00	(i)	13.00-15.00	(i)	290.00-330.00	(i)	290.00-330.00
December	47.78	45.00-47.00	(i)	13.00-15.00	(i)	290.00-330.00	(i)	290.00-330.00
January	44.85	37.00-38.00	(i)	13.00-15.00	(i)	290.00-330.00	(i)	290.00-330.00

(a) The numerals shown at the head of each column are reference numbers which relate to the detailed price specifications set out in Appendix C. Appendix C also sets out explanations for abbreviations used, and currency and quantity equivalents for the units referred to in this table. (b) See paragraph 4, page 2. (c) Monthly prices are the ranges quoted on the first trading day of the period indicated. Annual prices are a range of lowest and highest prices derived from these monthly prices. (d) Monthly prices are averages of daily prices throughout the month. Annual prices are averages of monthly prices. (e) \$A per long ton unit. (f) \$A per ton. (g) £ Stg per metric ton. (h) Relates to the period after August 1973. (i) No price quoted.

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

Period	Iron and steel	Aluminium	Copper and brass	Other metallic materials	All groups
	83.2% (c)	8.9% (c)	5.7% (c)	2.2% (c)	
1971-72	116.2	106.8	106.2	83.6	114.1
1972-73	122.6	109.2	106.6	98.7	120.0
1973-74	131.7	118.2	138.1	151.3	131.3
1973-74 -					
December	131.6	115.3	140.0	127.3	130.6
January	131.8	118.7	135.2	139.8	131.0
February	131.9	118.7	138.4	195.0	132.5
March	133.1	122.1	141.0	197.6	134.0
April	138.5	123.5	141.2	177.3	138.2
May	139.9	127.3	141.8	209.0	140.4
June	140.2	127.6	144.3	192.8	140.4
1974-75 -					
July	149.3	130.1	146.1	165.5	147.8
August	149.5	130.1	139.3	181.5	147.9
September	151.1	137.5	130.4	161.5	148.9
October	151.5	137.5	129.6	204.3	150.2
November	153.5	140.5	133.2	218.2	152.6
December	166.2	144.7	131.1	194.3	157.9
January p	163.0	144.6	128.5	195.4	160.1

(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)

<i>Period</i>	<i>Metals and coal (b)</i>	<i>Gold</i>	<i>All groups (c)</i>
1971-72	138	126	104
1972-73	142	180	134
1973-74	196	289	160
1973-74 -			
December	182	230	153
January	197	255	169
February	204	317	169
March	218	368	168
April	231	382	168
May	244	374	173
June	238	341	171
1974-75 -			
July	244	310	p173
August	242	337	p173
September	249	347	p177
October	r263	353	p180
November	r263	407	p178
December	261	446	p188
January	257	419	p184

(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)

<i>Period</i>	<i>Petroleum exploration (a) (b)</i>	<i>Gold mining (b) (c)</i>	<i>Phosphate fertiliser production (d)</i>
1971-72	7,572	1,852	45,795
1972-73	8,084	295	56,568
1973-74	8,911	16	66,962
July-Jan.			
1973-74	6,409	16	24,014
1974-75	3,037	(-)-1(e)	28,746
1973-74 -			
November	356	..	3,206
December	1,124	16	2,413
January	895	..	6,458
February	556	..	6,798
March	539	..	8,922
April	643	..	10,701
May	762	..	10,303
June	1	..	6,224
1974-75 -			
July	498	(-)-1(e)	6,121
August	871	..	437
September	281	..	1,939
October	472	..	7,069
November	470	..	4,072
December	320	..	4,307
January	126	..	4,801

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

TABLE 12 - SUPPLIES AND DISPOSALS OF GOLD BULLION

Period	Supplies			Disposals			Apparent change in stocks held in Australia (c)	Gold specie - net surplus of imports
	Refinery production (a)	Imports (b)	Total	Exports	Net industrial consumption	Total		
	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams	\$A
1971-72	17,109	3,218	20,327	3,718	27,648	31,366	-11,039	83,767
1972-73	15,373	3,251	18,624	10,136	7,576	17,712	912	42,692
1973-74	11,963	2,704	14,667	4,344	10,854	15,198	-531	78,965
July-Dec.								
1973-74	6,739	1,487	8,226	831	7,406	8,242	-16	-426,176
1974-75	5,849	1,304	7,153	2,133	4,408	6,541	612	1,000,816
1973-74 -								
November	994	276	1,270	..	1,242	1,242	28	-143,256
December	1,242	183	1,425	..	1,386	1,386	39	7,828
January	458	266	724	915	585	1,500	-776	12,891
February	815	213	1,028	264	442	706	322	83,263
March	1,063	181	1,244	39	915	954	290	35,349
April	915	192	1,107	285	304	589	518	53,618
May	981	178	1,159	1,509	263	1,772	-613	196,369
June	992	187	1,179	496	939	1,435	-256	123,651
1974-75 -								
July	1,025	57	1,082	1,142	222	1,364	-282	-45,329
August	743	142	885	..	651	651	234	-147,574
September	1,352	325	1,677	549	408	957	720	-94,883
October	880	262	1,142	342	1,812	2,154	-1,012	318,517
November	968	277	1,245	100	672	772	473	754,001
December	881	241	1,122	..	643	643	479	216,067

(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.

J. P. O'NEILL
Commonwealth Statistician

Australian Bureau of Statistics
Canberra, A.C.T. 2600

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

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

Commodity	Statistical item	Description
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 <i>n.e.i.</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
Aluminium -		
Alumina	513.65.01	Alumina
Refined	684.10.00	Unworked aluminium and aluminium alloys
Ferrous and alloy -		
Iron ore -		
Pellets	281.30.01	Pellets
Fines	281.30.05	Fines
Lump	281.30.09	Other (including lump and run-of-mine)
Tungsten -		
Scheelite concentrate	283.92.09	Scheelite
Wolfram concentrate	283.92.01	Wolfram
Pig iron	671.10.00	Spiegeleisen
	671.20.00	Pig iron and cast iron
Steel ingots, blooms	672.40.01	Ingots, blocks, lumps and similar forms of iron or steel
	672.40.09	Other
	672.51.00	Blooms, billets, slabs, sheet bars and roughly forged pieces (except of high carbon or alloy steel)
	572.54.00	Blooms, billets, slabs, sheet bars and roughly forged pieces of high carbon or alloy steel
Mineral sands -		
Ilmenite concentrate	283.93.13	In bulk
	283.93.15	In bags, drums and similar containers
Rutile concentrate	283.93.02	In bulk
	283.93.03	In bags, drums and similar containers
Zircon concentrate	283.93.19	In bulk - Premium grade
	283.93.21	In bulk - Standard grade
	283.93.23	In bags, drums and similar containers
Precious -		
Gold, refined	991.00.03	Mint bullion (i.e. in the form accepted in inter-bank transactions)
	991.00.08	Refined bullion (except mint bullion)
Silver, refined	681.10.01	Mint bullion (i.e. in the form accepted in inter-bank transactions)
	681.10.09	Other
Coal, black	321.40.00	Coal (anthracite, bituminous and sub-bituminous)
Crude oil	331.01.00	Crude petroleum
	331.02.00	Petroleum, partly refined (including topped crudes and enriched crudes)

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

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

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

Currency and quantity equivalents and abbreviations used in Appendix C

Unit	Equivalent to -		
\$ Mal l	Dec. \$0.33	c.i.f.	cost, insurance, freight
£ Stg l	Dec. \$1.77	f.i.d.	free into container depot
\$US l	Dec. \$0.76	f.o.b.	free on board
f.oz	31.1035g	f.o.r.	free on rail
lb	0.45359237 kg	g.o.b.	good ordinary brand
ltu	10.160469 kg	L.M.E.	London Metal Exchange
mtu	10 kg	ltu	long ton unit
picul	60.47898 kg	mtu	metric ton unit
metric ton	1 tonne		
ton	1.01605 tonne		
1 Stg new pence	d Stg. 2.4		

APPENDIX D

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

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

APPENDIX E

NOTES CONCERNING EXPORT PRICE INDEX (TABLE 10)

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

APPENDIX F

IMPERIAL : METRIC CONVERSION

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

	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.