

Reference No. 10.19

MINERALS AND MINERAL PRODUCTS, AUSTRALIA
JUNE AND JULY 1972

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EXPLANATORY NOTES

1. **Introduction.** This bulletin contains statistics relating to the principal minerals and mineral products produced in Australia, overseas trade in selected minerals and mineral products, relevant prices, and data on Commonwealth Government payments to sectors of the mineral and manufacturing industries.

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.

2. **Sources of data.** Statistics contained in this bulletin are derived from a variety of sources. The more important of these sources, and some additional comments, are set out below.

Table 1. Mine production

Current statistics in these tables are derived mainly from collections carried out by the Bureau of Mineral Resources, The Department of National Development and the various State Mines Departments. Preliminary annual statistics are derived from the same sources, but 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. Other data in this table, relating to fuels, building materials and chemicals, are derived from returns collected by the Deputy Commonwealth Statisticians in the States, except the data relating to superphosphate which are collected by the Department of Primary Industry, and petroleum products which are collected by the Department of National Development.

Tables 3, 4, 5 and 6. Overseas trade

These statistics are extracted from this Bureau's compilations 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

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

Table 9. Export price index

Data in this table are derived from this Bureau's compilation of price indexes. For further information, see Appendix D.

Table 10. Commonwealth Government payments

Data in this table are provided by the various Departments responsible for the administration of the specified Acts. Further details of Commonwealth Government assistance to the mineral industry are given on pages 902-7 of *Official Year Book* No. 57, 1971.

Table 11. Changes in stocks of gold

Statistics of refinery production, imports and exports of gold bullion in this table are identical with corresponding figures in preceding tables, and have the same sources. Net industrial consumption data are supplied by the Reserve Bank.

3. **Revision of data.** Statistics for current months are preliminary and subject to revision. Revision of data, based on figures derived from established quarterly compilation of mineral statistics, the annual Mining Census and various special purpose collections will be incorporated in this bulletin as soon as possible after the revised information becomes available.

4. **Commodity groupings.** For the convenience of users of this bulletin, commodities in Tables 1 to 6 are grouped according to conventions generally accepted in the mineral industry.

5. **Seasonal adjustment.** 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 day' 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*, 1972 (Reference No. 1.10) issued on 6 July 1972.

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

7. **Symbols used.** For convenience the following symbols are used in this bulletin :

- r figure or series revised since previous issue.
 - . nil or less than half the final digit shown, or not applicable.
 - n.a. not available.
 - break in continuity of series (where drawn across a column between two consecutive figures).
- A blank space in a column of figures means that the figure concerned is not yet available.

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 concentrate	Manganese ore	Tungsten concentrates	Precious (b)
	tons	tons	tons	tons	tons	'000 tons	'000 tons	'000 tons	tons	£ oz
1969-70	139,955	452,102	488,176	8,695	157,555	8,163	44,507	780	2,426	662,649
1970-71	r170,234	r409,855	r437,130	r8,782	r299,244	r10,869	r56,208	r774	r2,326	r614,275
1971-72	178,221	415,645	488,959	10,679	279,252	13,632	61,659	1,133	2,624	751,907
1970-71 - June	r13,674	r33,916	r37,846	(d)	r20,554	(d)	(d)	(d)	(d)	53,441
1971-72 - July	13,499	36,029	39,514		22,628					59,763
August	12,387	38,197	42,343	2,548	23,535	3,494	16,626	318	648	59,159
September	r12,554	35,804	41,405		23,006					59,363
October	16,606	36,226	42,913		28,555					r54,158
November	15,413	38,513	45,483	2,796	29,441	3,298	16,075	246	651	r60,454
December	16,399	29,817	36,037		30,273					r61,905
January	r14,367	r25,399	r31,383		24,722					r88,058
February	r13,364	r32,965	r37,751	2,625	17,143	3,651	13,602	250	689	r65,182
March	r15,039	r34,532	r41,783		21,140					r53,692
April	r15,953	r32,348	r38,336		19,184					62,867
May	r15,923	r38,830	r46,533	2,710	21,072	3,189	15,356	319	636	r60,268
June	16,717	36,985	45,478		18,553					67,038
1972-73 - July	16,409	33,380	42,042		18,253					68,771
Period	Metallic minerals - continued				Fuel minerals					
	Precious (b) continued	Mineral sands concentrates (a)			Black coal			Petroleum (c)		
	Silver	Ilmenite (f)	Rutile	Zircon	Under-ground	Total	Seasonally adjusted (g)	Brown coal	Crude oil (h)	Natural gas
	'000 £ oz	tons	tons	tons	'000 tons	'000 tons	'000 tons	'000 tons	'000 bbls	mil. cu ft
1969-70	27,497	776,883	366,157	370,758	35,704	47,759	..	23,927	30,643	25,254
1970-71	r23,269	r872,753	r368,849	r411,373	r36,551	r48,935	..	22,814	93,946	69,275
1971-72	23,302	717,316	341,750	375,391	35,785	52,817	..	23,568	119,766	92,801
1970-71 - June	r1,784	r63,286	r33,790	r38,537	r3,265	r4,453	3,910	2,087	9,660	7,034
1971-72 - July	1,946	66,508	25,644	29,551	2,650	3,676	3,162	2,153	10,420	7,728
August	1,767	66,860	31,494	34,891	2,425	3,398	3,421	2,184	10,322	7,936
September	1,796	60,768	31,100	34,915	2,268	3,488	3,355	1,946	9,937	7,008
October	2,089	57,090	30,910	31,762	3,487	5,035	4,792	1,878	10,129	6,586
November	2,074	61,744	29,809	29,701	3,591	5,134	4,435	1,815	10,508	6,132
December	1,797	57,795	29,737	33,340	2,900	3,870	4,450	1,927	10,894	7,378
January	1,747	57,650	23,960	25,842	r1,668	r2,697	r4,588	1,785	10,965	6,831
February	1,943	52,176	24,012	26,029	r3,411	r5,013	r4,741	1,266	9,842	6,353
March	1,965	54,965	31,471	r36,234	r3,638	r5,450	r5,046	2,018	9,813	7,677
April	1,868	r58,664	r23,230	r25,487	2,315	3,746	4,791	2,017	10,813	8,477
May	r2,179	r61,954	r31,965	r34,710	3,861	5,824	5,273	2,295	10,433	9,972
June	2,131	61,162	28,418	32,929	3,571	5,487	4,807	2,285	5,689	10,723
1972-73 - July	1,917	60,250	26,404	28,814	3,536	5,240	4,716	2,252	3,428	11,251

(a) Quantities shown are gross output. (b) Quantities shown are metallic contents of mine products based on chemical assay. (c) Western Australia 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 January 1972. (d) Available on a quarterly basis only. (e) Source : Department of National Development. (f) Includes Ilmenite for beneficiating. (g) See Explanatory Notes, paragraph 5, page 3. (h) 1 barrel = 35 imperial gallons approximately.

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 tons	tons	tons	tons	tons	tons	tons	tons	'000 tons	'000 tonnes
1969-70	1,995	165,709	108,852	103,680	169,007	185,366	257,674	4,637	5,712	11,953
1970-71	2,348	214,762	128,325	113,627	175,934	152,490	249,753	5,848	6,613	12,240
1971-72	2,761	209,072	142,369	128,880	137,992	187,623	269,747	6,290	5,919	12,672
1970-71 - June	(g)	18,662	13,871	12,728	13,477	12,709	19,215	805	593	509
1971-72 - July	231	19,167	12,867	19,402	12,874	20,296	23,418	123	612	1,536
August	225	19,322	12,636	12,081	10,804	16,595	22,362	716	586	1,544
September	243	17,806	11,853	9,819	9,926	17,301	21,149	724	486	1,536
October	247	18,014	12,054	12,532	12,174	14,529	22,451	385	525	1,549
November	232	17,316	12,034	10,229	10,697	14,114	21,875	623	605	1,509
December	238	17,883	11,501	17,156	10,835	12,593	21,471	459	438	1,466
January	236	17,448	11,387	12,589	10,707	15,481	21,242	640	489	1,472
February	193	15,859	10,311	10,035	10,007	14,818	21,711	511	357	1,444
March	217	16,589	11,428	11,859	13,092	15,048	24,145	401	399	1,498
April	205	16,160	10,537	19,555	12,678	13,870	22,959	541	438	1,478
May	246	16,767	13,529	12,265	12,524	16,336	25,078	460	523	1,532
June	236	16,741	12,232	11,358	11,674	16,342	21,886	707	467	497
1972-73 - July	252	17,299	13,601	11,438	10,924	14,612	26,226	324	569	542
Metals - continued										
Precious										
Refined gold										
Ferrous - continued										
Steel ingots (c)										
Period	Original	Seasonally adjusted (h)	Blooms and slabs	Tinplate	Australian origin					
	'000 tonnes	'000 tonnes	'000 tonnes	tonnes	Newly won		Overseas origin		Refined silver	
					Quantity	Value (i)	From scrap	Newly won From scrap	Foz	'000 foz
1969-70	11,687	..	11,894	11,282,586	527,797	17,257	18,461	126,238	919	10,581
1970-71	11,680	..	11,765	11,309,004	463,303	15,706	20,474	112,465	1,369	8,319
1971-72	11,658	..	11,551	11,317,251	527,092	22,394	21,287	113,722	1,704	8,726
1970-71 - June	1,569	1,584	1,480	1,26,951	36,268	1,241	2,605	8,462	466	462
1971-72 - July	1,616	1,587	1,533	1,26,819	37,556	1,542	1,925	12,399	..	711
August	1,586	1,571	1,492	1,26,544	43,711	1,572	2,250	8,503	..	655
September	1,575	1,578	1,490	1,27,561	44,799	1,715	1,121	8,207	208	711
October	1,600	1,580	1,509	1,28,794	51,036	1,839	1,406	11,366	201	732
November	1,568	1,559	1,482	1,27,605	43,668	1,531	2,131	8,725	35	764
December	1,516	1,487	1,411	1,26,905	44,106	1,756	1,320	8,069	60	690
January	1,493	1,504	1,426	1,27,512	40,655	1,783	1,375	11,043	348	603
February	1,497	1,557	1,433	1,26,036	43,668	1,890	807	6,168	..	650
March	1,530	1,512	1,358	1,28,424	42,526	1,588	2,189	8,603	..	722
April	1,492	1,526	1,434	1,24,529	48,969	2,146	1,643	10,051	354	698
May	1,543	1,528	1,503	1,19,571	46,417	1,609	1,750	8,289	..	848
June	491	490	440	16,267	39,981	3,422	3,370	12,299	498	742
1972-73 - July	555	539	513	15,269	53,401	2,708	2,021	9,536	..	952

(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) Available on a quarterly basis only. (h) See Explanatory Notes, paragraph 5, page 3. (i) 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
	mil. gal	'000 tons	'000 tons	'000 tons	'000 tons	'000 tons
1969-70	2,110	2,852	5,987	1,080	3,994	1,539
1970-71	2,230	3,127	5,700	1,102	4,470	1,376
1971-72	2,334	3,372	4,935	1,095	4,123	1,308
1970-71 - June	202	287	442	111	357	147
1971-72 - July	196	272	426	110	358	149
August	212	283	501	109	356	142
September	189	245	507	126	338	123
October	184	279	463	94	370	99
November	177	278	430	111	344	115
December	215	324	325	105	332	94
January	202	311	441	65	317	79
February	186	275	322	59	310	46
March	194	265	393	69	337	108
April	207	312	380	82	327	100
May	206	313	403	100	360	126
June	165	215	346	65	373	127
1972-73 - July	101	126	218	60	405	126
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 tons	'000 tons	'000 sq yds	'000 tons	'000 tons	'000 tons
1969-70	4,439	..	42,120	1,748	..	3,598
1970-71	4,611	..	40,240	1,586	..	3,066
1971-72	4,728	..	44,353	1,722	..	..
1970-71 - June	403	408	4,296	90	110	134
1971-72 - July	416	386	3,519	72	104	122
August	368	348	4,219	142	156	266
September	395	381	4,086	147	132	263
October	436	400	3,275	153	145	306
November	430	397	3,782	145	141	294
December	367	419	4,697	132	124	250
January	288	369	4,886	134	127	272
February	343	354	4,147	131	121	243
March	423	407	4,062	128	117	380
April	411	436	2,908	187	170	..
May	428	397	4,278	182	176	..
June	422	428	3,494	175	216	..
1972-73 - July	427	397	3,997	123	182	..

(a) Produced by Australian refineries from imported and indigenous petroleum. Source: Department of National Development. (b) See Explanatory Notes, paragraph 5, page 3. (c) Includes double and triple superphosphate and ammonium phosphate, expressed in terms of single superphosphate, i.e. 22% P_2O_5 equivalent.

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

Commodity (b)	Quantity					Value (\$'000)					
	1969-70	1970-71	1971-72	June 1972	July 1972	1969-70	1970-71	1971-72	June 1972	July 1972	
METALLIC MINERALS AND METALS (c)											
Non-ferrous -											
Copper -											
Concentrate	tons	64,082	138,003	139,165	70	640	14,620	32,031	26,825	46	118
Blister	"	1,903	6,862	5,775	..	..	13,256	8,992	6,643	..	..
Refined	"	38,914	35,446	55,132	5,018	3,099	54,733	35,521	50,922	4,640	2,795
Matte, slags, etc.	"	12,401	8,239	5,076	553	1,800	6,889	3,332	1,581	138	519
Lead -											
Concentrate	tons	119,468	81,784	92,060	5,489	..	23,320	16,290	15,961	963	..
Bullion	"	167,074	176,971	135,688	9,118	6,144	60,461	56,455	38,279	2,710	1,763
Refined	"	159,064	121,210	128,286	6,350	21,857	42,944	29,023	28,730	1,606	5,389
Slags and residues	"	3,189	2,987	2,273	38	270	934	586	422	6	65
Zinc -											
Concentrate	tons	430,216	381,217	367,709	29,241	20	30,503	25,739	27,131	1,959	4
Refined	"	152,273	134,506	196,121	20,353	17,971	38,736	35,671	52,548	5,643	5,547
Slags and residues	"	5,452	5,761	5,561	515	84	373	513	381	16	19
Tin -											
Concentrate	tons	7,031	6,243	9,112	1,095	716	10,453	7,636	11,704	1,061	1,137
Refined	"	557	1,427	2,122	83	86	1,791	4,535	6,573	267	274
Aluminium (d) -											
Alumina	'000 tons	n.a.	1,778	2,584	(e)	(e)	80,987	95,125	132,042	(e)	(e)
Refined	tons	49,724	78,403	94,792	11,255	7,281	22,972	35,962	38,886	4,198	2,911
Ferrous and alloy -											
Iron ore -											
Pellets	'000 tons	5,048	5,539	5,334	444	195	58,830	62,802	58,274	4,837	2,026
Fines	"	7,608	13,265	17,894	1,218	1,160	48,731	81,101	106,493	6,565	6,959
Lump	"	20,588	28,753	26,208	1,384	1,694	170,249	231,485	210,733	10,469	13,605
Tungsten -											
Scheelite concentrate	tons	1,409	1,205	1,750	20	..	4,225	3,607	4,762	47	..
Wolfram concentrate	"	949	986	858	135	101	3,494	4,100	2,300	276	236
Pig iron	tons	306,156	383,567	519,519	70,509	44,217	14,742	21,587	23,581	3,007	2,234
Steel ingots, blooms	"	444,077	115,359	291,670	60,745	46,392	30,945	9,596	18,973	3,820	3,024
Mineral sands -											
Ilmenite concentrate (f)	tons	586,798	630,935	518,981	28,280	35,172	5,888	6,471	5,523	285	404
Rutile concentrate	"	340,964	374,906	309,799	37,379	18,271	30,209	36,399	36,474	4,234	2,163
Zircon concentrate	"	345,495	357,424	357,764	29,629	24,098	13,489	13,200	13,013	1,047	923
Precious -											
Gold, refined	f oz	473,411	72,354	119,519	..	..	16,377	2,305	4,573	..	..
Silver, refined	'000 f oz	7,942	7,959	6,801	203	1,033	13,350	12,237	9,033	272	1,346
FUEL MINERALS											
Coal, black	'000 tons	17,345	18,697	21,410	1,469	1,290	164,498	193,725	237,150	17,563	15,280
Petroleum, crude (g)	mil. gals	..	53	240	34	..	..	2,760	14,207	1,967	..

(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) Available on an annual basis only. (f) Includes beneficiated ilmenite. (g) Includes also topped 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 (b)	Gold	Silver
	tons	tons	tons	tons	'000 tons	units	f oz	'000 f oz
1969-70	25,364	253,933	231,201	3,871	21,349	164,938	126,960	15,907
1970-71	44,328	238,580	207,538	2,816	30,704	151,351	218,820	12,117
1971-72	42,602	195,175	205,115	4,531	31,413	180,647	100,688	10,721
June 1972 -								
Copper concentrate	49	..	..	..	..	..	..	..
Copper matte, slags, etc.	74	376	..	..	..	..	..	19
Lead concentrate	369	2,079	963	..	..	..	6,963	319
Lead bullion	..	9,065	..	..	..	..	..	619
Lead slags and residues	..	28	..	..	..	..	..	..
Zinc concentrate	..	292	15,205	..	..	..	..	12
Zinc slags and residues	..	..	361	..	..	..	..	..
Tin concentrate	..	..	..	401	..	..	..	..
Iron ore - Pellets	..	..	..	..	292	..	..	..
Fines	..	..	..	..	760	..	..	..
Lump	..	..	..	..	904	..	..	..
Scheelite concentrate	..	..	..	..	..	9,180	..	..
Wolfram concentrate	..	..	..	..	..	1,476	..	..
Total June 1972	492	11,840	16,529	401	1,956	10,656	6,963	969
July 1972 -								
Copper concentrate	151	..	..	..	..	..	..	54
Copper matte, slags, etc.	720	720	..	..	..	..	..	..
Lead bullion	..	6,109	..	..	..	..	..	382
Lead slags and residues	60	154	121	..	..	..	..	..
Zinc concentrate	..	..	19	..	..	..	..	..
Zinc slags and residues	..	..	67	..	..	..	..	..
Tin concentrate	..	..	..	408	..	..	..	..
Iron ore - Pellets	..	..	..	..	127	..	..	..
Fines	..	..	..	..	729	..	..	..
Lump	..	..	..	..	1,105	..	..	..
Wolfram concentrate	..	..	..	..	..	7,480	..	..
Total July 1972	931	6,983	207	408	1,961	7,480	..	436

(a) The Australian Export Commodity Classification for each commodity in this table is shown in Appendix A. (b) 1 unit = 22.4 lb.

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

Commodity (a)	Quantity					Value (\$'000)				
	1969-70	1970-71	1971-72	June 1972	July 1972	1969-70	1970-71	1971-72	June 1972	July 1972
METALS										
Tin refined	tons	103	117	102	10	347	376	325	33	32
Nickel (pigs, anodes, etc.)	"	1,466	2,104	1,221	58	5,372	8,781	3,178	149	..
Ferro-alloys	"	30,589	37,243	27,500	1,078	12,748	11,660	8,234	306	374
Gold -										
Unrefined bullion (b)	f oz	129,287	103,254	102,936	13,065	4,146	3,416	3,794	562	511
Refined	"	62,230	8,167	533	409	2,389	232	27	22	5
FUEL MINERALS										
Petroleum, crude (c)	mil. gals	5,096	3,011	2,411	214	137	200,356	121,325	115,101	10,559
NON-METALLIC MINERALS										
Asbestos	short tons	65,447	79,015	67,974	6,053	8,644	8,572	10,705	9,852	895
Diamonds -										
Industrial	metric carat	963,226	744,802	567,075	56,769	37,066	3,626	3,106	2,360	237
Gemstone	metric carat	33,826	49,847	44,016	4,507	5,598	5,447	6,573	6,331	757
Phosphate rock	'000 tons	2,746	2,074	1,616	114	179	28,875	22,174	18,157	1,265
Potassium fertilisers	tons	127,347	150,847	143,607	5,264	2,204	3,432	4,793	4,118	262
Sulphur	tons	427,300	269,024	272,374	30,446	6,528	10,786	4,906	4,637	398

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

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

Country	Quantity					Value (\$'000)				
	1969-70	1970-71	1971-72	June 1972	July 1972	1969-70	1970-71	1971-72	June 1972	July 1972
REFINED COPPER										
France	tons	5,258	6,444	15,182	1,922	..	7,522	6,595	14,004	1,799
Germany, Fed. Rep.	tons	5,626	12,036	14,869	..	1,819	8,115	11,944	13,731	1,638
United Kingdom	tons	12,715	7,625	14,081	2,556	1,279	18,611	7,595	12,930	2,332
Japan	tons	5,895	5,395	6,494	491	..	8,454	5,373	6,028	462
Other countries	tons	8,520	3,945	4,506	49	51	12,032	4,013	4,229	47
Total		38,014	35,445	55,132	5,018	3,099	54,733	35,521	50,922	4,640
LEAD BULLION										
United Kingdom	tons	144,130	142,885	111,038	6,369	3,694	54,445	47,499	32,450	2,105
Germany, Fed. Rep.	tons	4,002	6,878	12,091	1,749	..	1,171	1,898	2,912	396
Netherlands	tons	16,943	27,208	12,507	1,600	2,450	4,432	7,058	2,885	209
Other countries	tons	1,999	..	52	..	..	413	..	32	..
Total		167,074	176,971	135,688	9,118	6,144	60,461	56,455	38,279	2,710
REFINED LEAD										
United Kingdom	tons	62,785	47,466	45,808	1,402	8,103	17,032	11,099	9,599	343
United States of America	tons	57,495	38,797	39,188	313	9,458	15,032	9,098	8,466	73
India	tons	18,493	16,120	13,688	2,958	796	5,244	3,948	3,200	743
Other countries	tons	20,291	18,827	29,602	1,677	3,500	5,637	4,878	6,965	447
Total		159,064	121,210	128,286	6,350	21,857	42,944	29,023	28,230	1,606

(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)				
	1969-70	1970-71	1971-72	June 1972	July 1972	1969-70	1970-71	1971-72	June 1972	July 1972
ZINC CONCENTRATE										
	tons	tons	tons	tons	tons					
United Kingdom	196,133	175,376	109,533	..	..	14,200	11,750	7,339	..	..
Japan	158,523	120,722	79,621	..	..	11,563	8,689	6,297	..	..
Norway	23,501	33,058	39,463	..	..	1,401	2,032	3,361	..	..
Belgium	18,277	33,730	28,608	..	..	1,069	2,067	2,567	..	..
India	19,214	9,992	8,486	..	..	1,382	669	606	..	..
Other countries	14,568	8,339	101,998	29,241	20	888	531	6,960	1,959	4
Total	430,216	381,217	367,709	29,241	20	30,503	25,739	27,131	1,959	4
REFINED ZINC										
	tons	tons	tons	tons	tons					
United Kingdom	18,283	15,328	45,294	7,585	2,449	4,523	3,841	10,869	1,678	771
United States of America	27,296	26,490	38,271	..	6,463	6,648	7,284	10,510	..	2,294
India	10,513	22,903	21,946	3,382	1,845	2,770	6,063	6,339	1,056	573
Thailand	12,113	9,398	16,536	1,249	329	3,176	2,517	4,948	391	102
New Zealand	14,526	15,492	15,187	3,027	3,382	3,785	4,080	4,535	891	639
China, Mainland	14,000	1,968	..	..	..	3,688	517	..	..	..
Other countries	55,542	42,927	58,887	5,110	3,503	14,146	11,368	15,347	1,627	1,169
Total	152,273	134,506	196,121	20,353	17,971	38,736	35,671	52,548	5,643	5,547
IRON ORE										
	'000 tons	'000 tons	'000 tons	'000 tons	'000 tons					
Japan	28,903	41,324	42,933	2,321	2,453	244,677	330,808	326,939	17,342	18,161
Germany, Fed. Rep.	796	1,404	1,644	135	122	5,997	10,294	11,267	736	1,158
United Kingdom	542	983	683	174	99	4,494	7,761	5,014	994	694
France	508	801	498	123	..	3,962	5,637	3,886	846	..
United States of America	583	780	724	54	54	4,559	5,378	6,418	499	359
Other countries	1,912	2,263	2,954	239	321	14,119	15,509	21,975	1,454	2,219
Total	33,244	47,557	49,436	3,046	3,049	277,810	375,388	375,500	21,871	22,590
MINERAL SANDS (c)										
	tons	tons	tons	tons	tons					
United States of America	314,021	310,885	237,721	28,767	16,822	17,454	21,861	18,776	2,728	1,436
Japan	312,378	368,707	226,609	3,237	32,553	8,348	9,293	8,478	93	1,312
United Kingdom	273,661	306,332	270,097	4,168	21,370	6,798	6,866	7,280	183	278
Netherlands	70,380	80,097	56,672	13,185	88	3,798	4,434	4,747	1,279	9
Other countries	302,817	297,244	395,445	45,931	6,708	13,188	13,617	15,728	1,283	455
Total	1,273,257	1,363,265	1,186,544	95,288	77,541	49,586	56,070	55,010	5,566	3,490
BLACK COAL										
	'000 tons	'000 tons	'000 tons	'000 tons	'000 tons					
Japan	16,260	15,915	17,908	1,135	1,246	153,566	165,116	198,497	13,045	14,821
Netherlands	154	945	1,286	121	44	1,359	9,014	13,710	1,650	459
Germany, Fed. Rep.	518	526	253	..	..	5,196	4,855	2,781	..	..
New Caledonia	171	286	129	..	..	1,677	3,138	1,652	..	..
Other countries	242	1,026	1,834	213	..	2,700	11,602	20,509	2,868	..
Total	17,345	18,697	21,410	1,469	1,290	164,498	193,725	237,150	17,563	15,280

(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) Includes beneficiated ilmenite.

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

Period	Copper		Lead			Zinc			
	AUST. (\$A - metric ton)	L.M.E. (£ Stg - metric ton)	Aust. (\$A - ton)	L.M.E. (£ Stg - metric ton)	U.S.A. (USc - lb)	Aust. (\$A - ton)	L.M.E. (£ Stg - metric ton)	Prod. (£ Stg - ton)	U.S.A. (USc - lb)
	1	2	3	4	5	6	7	8	9
1969-70	(b)1,500.1	671.8	283.5	132.2	16.10	291.2	123.9	127.3	15.30
1970-71	(b)1,087.4	477.7	262.4	114.7	14.60	295.7	121.3	128.8	15.25
1971-72	(b)976.6	427.9	237.9	106.7	14.72	343.0	141.4	150.0	17.21
1972-73 - Highest	925.9	431.8	250.0	127.6	16.00	343.0	153.1	160.0	19.00
Lowest	925.9	416.5	250.0	120.8	15.50	343.0	145.6	150.0	18.00
1970-71 - June	(b)1,013.2	447.2	250.0	110.4	14.25	303.7	128.5	138.0	16.00
1971-72 - July	(b)1,046.8	464.4	250.0	109.0	14.25	343.0	132.2	150.0	16.21
August	(b)1,030.4	451.0	250.0	106.0	14.25	343.0	132.4	150.0	17.00
September	(b)997.9	427.5	250.0	96.7	14.25	343.0	125.5	150.0	17.00
October	(b)941.9	417.7	221.4	91.9	14.25	343.0	135.0	150.0	17.00
November	(b)937.7	406.4	200.0	88.8	14.25	343.0	138.0	150.0	17.00
December	(b)918.4	410.7	220.0	91.3	14.25	343.0	142.0	150.0	17.00
January	(b)929.2	418.9	220.0	97.8	14.00	343.0	147.6	150.0	17.00
February	(b)956.7	426.9	222.9	112.9	14.61	343.0	149.5	150.0	17.00
March	(b)1,002.0	442.2	250.0	122.2	15.43	343.0	151.5	150.0	17.21
April	(b)1,008.0	433.5	250.0	130.9	15.63	343.0	151.2	150.0	17.50
May	(b)987.6	423.2	250.0	121.6	15.75	343.0	147.8	150.0	18.05
June	(b)962.1	412.4	250.0	121.0	15.75	343.0	143.9	150.0	18.50
1972-73 - July	925.9	422.6	250.0	124.2	15.75	343.0	148.7	159.1	18.50

Period	Tin			Nickel U.K.) (£ Stg - metric ton)	Aluminium		Gold		Silver U.K. (£ Stg new pence - foz)
	Aust. (\$A ton)	L.M.E. (£ Stg - metric ton)	Strait (\$ Mal picul)		Aust. (\$A ton)	U.S.A. (USc - lb)	Premium mar- kets (\$A - foz) Australia and Overseas	U.K. (\$US - foz)	
	10	11	12		14	15	16	17	18
1969-70	3,463.8	1,524.6	669.7	1,173.7	564.9	27.9	33.50	37.40	(c)179.1
1970-71	3,344.9	1,476.7	643.1	1,231.1	578.0	29.0	33.76	37.87	70.3
1971-72	3,306.3	1,435.8	629.7	1,246.5	578.0	26.6	39.74	46.89	58.6
1972-73 Highest	3,404.0	1,544.5	630.0	1,246.5	578.0	25.0	54.91	68.30	74.6
Lowest	3,354.0	1,511.0	620.0	1,246.5	578.0	23.0	54.91	64.85	63.8
1970-71 - June	3,282.5	1,436.9	630.0	1,246.5	578.0	29.0	35.66	40.10	66.3
1971-72 - July	3,326.7	1,439.9	638.5	1,246.5	578.0	29.0	35.99	40.95	65.0
August	3,266.5	1,419.9	628.9	1,246.5	578.0	29.0	37.38	42.73	65.4
September	3,263.0	1,416.4	626.2	1,246.5	578.0	29.0	36.45	42.02	57.4
October	3,217.6	1,402.0	618.6	1,246.5	578.0	26.7	36.72	42.50	53.2
November	3,242.3	1,413.1	624.0	1,246.5	578.0	26.7	36.70	42.86	52.6
December	3,253.2	1,417.1	626.2	1,246.5	578.0	26.7	37.26	43.48	54.8
January	3,241.7	1,411.9	620.0	1,246.5	578.0	26.0	38.23	45.75	56.9
February	3,283.6	1,413.4	621.2	1,246.5	578.0	26.0	40.61	48.26	57.8
March	3,416.5	1,475.2	643.1	1,246.5	578.0	26.0	40.56	48.33	58.4
April	3,444.3	1,497.0	648.3	1,246.5	578.0	26.0	41.10	49.03	60.0
May	3,384.4	1,466.6	634.4	1,246.5	578.0	24.5	43.67	54.62	60.6
June	3,335.5	1,456.6	626.5	1,246.5	578.0	24.0	52.21	62.09	61.1
1972-73 - July	3,365.1	1,529.6	622.4	1,246.5	578.0	24.0	54.91	65.67	70.3

(a) Where a daily market does not actually exist for a commodity, daily prices have been imputed from price data which are available. The numerals shown at the head of each column are reference numbers which relate to the detailed price specifications set out in Appendix C. Appendix C also sets out explanations for abbreviations used, and currency and quantity equivalents for the units referred to in this table.
 (b) \$A per ton. (c) dStg per foz. (d) No premium gold sales reported.

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

Period	Tin	Wolfram	Ilmenite (c)		Rutile (c)		Zircon (c)	
	Aust. (b)	U.K. (c)	Aust.	U.K.	Aust.	U.K.	Aust.	U.K.
	(\$A/1tu)	(£Stg/mtu)	(\$A/ton)	(£Stg/metric ton)	(\$A/ton)	(£Stg/metric ton)	(\$A/ton)	(£Stg/metric ton)
	19	20	21	22	23	24	25	26
1969-70	30.90 (d)21.00-38.00		9-11	(e)7.50- 9.50	124-150	(e)66.00-79.00	35-47	(e)25.25-27.75
1970-71	28.66 (d)22.80-36.75		11	7.38-11.32	145-150	74.78-79.72	35-39	24.85-28.05
1971-72	28.21	14.00-22.00	11-12	9.35-11.32	115-150	64.00-79.72	35-39	26.82-28.05
1972-73 —								
Highest	27.98	16.00	12	11.32	125	68.00	39	28.05
Lowest	27.98	15.20	11	9.35	115	64.00	35	26.82
1970-71 —								
April	28.85 (d)25.25-26.25		11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
May	29.03 (d)25.00-26.00		11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
June	28.23 (d)22.80-24.00		11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
1971-72 —								
July	28.21 (d)20.50-21.50		11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
August	28.05 (d)17.00-18.50		11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
September	27.73 (d)16.40-18.00		11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
October	27.77 (d)16.50-20.50		11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
November	27.62 (d)20.00-22.00		11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
December	27.90 (d)17.50-18.75		11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
January	27.50	16.00-17.50	11	9.35-11.32	145-150	76.77-79.20	35-39	26.82-28.05
February	27.80	16.00-17.50	11	9.35-11.32	145-150	76.77-79.20	35-39	26.82-28.05
March	28.28	16.00-17.00	11	9.35-11.32	145-150	76.77-79.20	35-39	26.82-28.05
April	29.68	15.50-16.50	11-12	9.35-11.32	135-138	76.77-79.20	35-39	26.82-28.05
May	29.36	14.00-14.50	11-12	9.35-11.32	115-125	64.00-68.00	35-39	26.82-28.05
June	28.57	15.35-16.20	11-12	9.35-11.32	115-125	64.00-68.00	35-39	26.82-28.05
1972-73 —								
July	27.98	15.20-16.00	11-12	9.35-11.32	115-125	64.00-68.00	35-39	26.82-28.05

(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) Monthly prices are average prices on the first trading day of the month. Annual prices are averages of monthly prices. (c) Monthly prices are a range from the lowest price to the highest 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) £Stg per long ton unit. (e) £Stg per ton.

TABLE 9. — EXPORT PRICE INDEX, AUSTRALIA (a)
(Base: Year 1959-60 = 100)

Period	Metals and coal (b)	Gold	All groups
1969-70	143	109	(c) 103
1970-71	139	109	101
1971-72	138	126	104
1970-71 —			
June	136	115	102
1971-72 —			
July	141	116	103
August	138	123	102
September	136	118	100
October	133	120	99
November	132	119	100
December	135	121	100
January	135	122	102
February	139	129	105
March	142	133	108
April	143	134	109
May	141	141	110
June	141	141	114
1972-73 —			
July	141	141	113

(a) See Appendix D 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 10. — COMMONWEALTH GOVERNMENT PAYMENTS TO THE MINERAL INDUSTRY AND TO THE MANUFACTURING INDUSTRY FOR PRODUCTS OF MINERAL ORIGIN, AUSTRALIA (\$'000)

Period	Petroleum exploration (a) (b)	Gold mining (b) (c)	Pyrites mining (d)	Sulphuric acid production (e)	Phosphate fertiliser production (f)
1969-70	14,302	1,871	..	740	45,820
1970-71	9,643	2,881	568	489	40,815
1971-72	7,572	1,852	1,055	896	45,795
1970-71 — June	2,087	2	322	..	4,729
1971-72 — July	61	..	92	183	3,033
August	977	234	..	84	1,275
September	469	255	..	..	1,547
October	187	139	62	2	1,574
November	461	108	212	..	1,658
December	982	165	..	159	1,689
January	764	86	77	78	2,377
February	365	204	..	98	3,839
March	991	58	71	72	7,117
April	329	21	339	..	8,071
May	309	87	201	76	7,262
June	1,677	497	..	145	6,352
1972-73 — July	201	— 4	..	..	2,204

(a) Petroleum Search Subsidy Act 1959-1969. (b) Includes Papua New Guinea. (c) Gold Mining Industry Assistance Act 1954-1972. (d) Pyrites Bounty Act 1960-1971. (e) Sulphuric Acid Bounty Act 1954-1971. (f) Phosphate Fertilisers Bounty Act 1963-1971.

TABLE 11. — CHANGES IN STOCKS OF GOLD BULLION HELD IN AUSTRALIA

Period	Gold bullion						Gold specie — net surplus of imports	
	Supplies			Disposals				
	Refinery production (a)	Imports (b)	Total	Exports	Net industrial consumption	Total		
	f oz	f oz	f oz	f oz	f oz	f oz	f oz	\$A
1969-70	546,677	191,517	738,194	473,411	427,463	900,874	-162,680	33,449
1970-71	485,646	111,422	597,068	72,354	834,443	906,797	309,729	19,293
1971-72	550,083	103,469	653,552	119,519	888,889	1,008,408	354,856	83,767
1970-71 June	39,339	9,582	48,921	..	56,351	56,351	- 7,430	- 7,779
1971-72 July	39,481	6,095	45,576	32	52,985	53,017	- 7,441	- 13,583
August	45,961	6,727	52,688	9,644	108,888	118,532	- 65,844	3,955
September	46,128	7,941	54,069	28,964	79,494	108,458	- 54,389	3,271
October	52,643	11,085	63,728	..	103,656	103,656	- 39,928	9,681
November	45,834	7,160	52,994	9,644	96,114	105,758	- 52,764	9,972
December	45,486	14,077	59,563	28,932	45,251	74,183	- 14,620	17,069
January	42,378	8,200	50,578	..	114,505	114,505	- 63,927	17,749
February	44,475	4,144	48,619	..	26,010	26,010	+22,609	5,511
March	44,715	18,608	63,323	2,340	130,160	132,500	- 79,177	8,149
April	50,966	19,607	70,573	..	30,036	30,036	+30,537	3,790
May	48,167	16,351	64,518	39,963	89,778	129,741	- 75,223	9,434
June	43,849	13,474	57,323	..	12,012	12,012	+45,311	8,769
1972-73 July	55,422	10,176	65,598	..	10,576	10,576	+55,022	8,769

(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) Includes changes in holdings in Australia by official and banking institutions both on their own behalf and that of non-residents.

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NOTE. Inquiries concerning these statistics may be made in Canberra by telephoning 49 0211 extension 391 or, in each State capital, by telephoning the office of the Bureau of Census and Statistics.

APPENDIX A
AUSTRALIAN EXPORT COMMODITY CLASSIFICATION (A.E.C.C.) 1972-73
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
	284.00.23	Copper-lead dross and speiss
Matte, slags, etc.	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
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)
Manganese ores and concentrates	283.70.01	In bulk
	283.70.09	In bags
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
	672.40.01	Ingot, blocks, lumps and similar forms of iron or steel
	672.40.09	Other
Steel ingots, blooms	672.51.00	Blooms, billets, slabs, sheet bars and roughly forged pieces (except of high carbon or alloy steel)
	672.54.00	Blooms, billets, slabs, sheet bars and roughly forged pieces of high carbon or alloy steel
Mineral sands -		
Ilmenite concentrate	283.93.13	In bulk
	283.93.15	In bags, drums and similar containers
Rutile concentrate	283.93.02	In bulk
	283.93.03	In bags, drums and similar containers
Zircon concentrate	283.93.22	In bulk
	283.93.23	In bags, drums and similar containers
Precious -		
	991.00.03	Mint bullion (i.e. in the form accepted in inter-bank transactions)
Gold, refined	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)
Petroleum, crude	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.) 1972-73
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
	{ 671.50.09	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)
Petroleum, crude	{ 331.01.00	Crude petroleum
	{ 331.02.01	Topped crudes
	{ 331.02.02	Crude petroleum, enriched with a distillate from crude petroleum
	{ 331.02.09	Other oils for use as refinery feed-stock (including enriched residuals)
Asbestos	{ 276.40.01	Amosite
	{ 276.40.02	Chrysotile (white)
	{ 276.40.09	Other
Diamonds -		
Industrial	{ 275.10.01	Uncut
	{ 275.10.09	Other
	{ 275.21.01	Diamond dust and powder
Gemstone	667.20.00	Gemstone diamonds
Phosphate rock	271.30.00	Natural phosphates, whether or not ground
Potassium fertilisers	{ 561.30.01	Potassium chloride
	{ 561.30.02	Potassium sulphate
	{ 561.30.09	Other
Sulphur	274.10.01	In bulk
	274.10.05	Bagged or otherwise packed -
	274.10.07	Insoluble
		Other

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

<i>Reference number</i>	<i>Particulars of Price Bases</i>
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. 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' base price.
9.	Zinc, Prime Western, f.o.b. East St Louis.
10.	Refined tin, domestic 5 ton lots, ex-works or delivered buyers' premises.
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.
14.	Refined aluminium, 99.5% domestic, 1-20K ingots, c.i.f. capital cities.
15.	Refined aluminium, min. 99.5% domestic, 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 \$31.25 per fine ounce.
17.	Refined gold, spot, London open market.
18.	Refined silver, spot, London.
19.	Concentrates, per 100 of contained tin, 70% Sn grade, delivered Sydney.
20.	Concentrates, per 100 of WO ₃ grade, standard quality, c.i.f. Europe.
21.	Nominal prices*, concentrates, 52-54% TiO ₂ , f.o.b. Bunbury.
22.	Concentrates, 52-54% TiO ₂ , Malaysian origin, c.i.f. Europe.
23.	Nominal prices*, concentrates, 95-97% TiO ₂ , bagged f.o.b./f.o.r.
24.	Concentrates, 95-97% TiO ₂ , Australian origin, c.i.f. Europe.
25.	Nominal prices*, concentrates, standard grade, minimum 65% ZrO ₂ , f.o.b.
26.	Concentrates, 66-67% ZrO ₂ , c.i.f. Europe.

* 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.

Abbreviations used

c.i.f.	cost, insurance, freight
f.o.b.	free on board
f.o.r.	free on rail
g.o.b.	good ordinary brand
L.M.E.	London Metal Exchange
ltu	long ton unit

Currency and quantity equivalents

<i>Unit</i>	<i>Equivalent to -</i>
\$Mal 1	June \$A0.30 July \$A0.30
£Stg 1	June \$A2.18 July \$A2.06
\$US 1	June \$A0.84 July \$A0.84
ltu	22.4 lb
mtu	22.046 lb
metric ton	2204.6 lb
picul	133 1/3 lb
short ton	2,000 lb
ton	2,240 lb
1 Stg new pence	d Stg 2.4 old pence

APPENDIX D
EXPORT PRICE INDEX (TABLE 9)

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 expected to be completed later this year.
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 fruit, 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. 57, 1971, pages 238-240. The interim series was introduced in the July 1970 issue of *Export Price Index* (Reference No. 9.2).