

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA, AUSTRALIA

MINERALS AND MINERAL PRODUCTS, AUSTRALIA

NOVEMBER 1971

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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 purposes 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", 1971 (Reference No. 1.10) issued on 2 July 1971.
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)			Precious (b)	
	Copper (b)	Lead (b)	Zinc (b)	Tin (b)	Nickel concentration (a)	Bauxite (a)	Iron ore and concentrate	Manganese ore	Tungsten concentrations	Gold (c)	Silver
	- tons -					- '000 tons -			tons	f oz	'000 foz
1968-69	122,789	391,534	437,385	7,411	51,140	6,217	32,027	834	2,297	729,565	24,410
1969-70	139,955	452,102	488,176	8,695	157,555	8,163	44,507	780	2,426	662,649	27,497
1970-71	167,666	409,877	436,566	8,747	280,816	10,778	56,024	821	2,298	611,121	24,259
July to Nov. -											
1970-71	63,896	194,601	205,460	(d)2,264	125,135	(d)2,666	(d)13,538	(d)224	(d)483	235,482	11,193
1971-72	68,301	185,655	216,649	(d)2,494	121,026	(d)3,498	(d)16,626	(d)318	(d)634	291,794	11,339
1970-71 -											
October	13,727	40,251	39,218	(	32,087	(			(	47,035	2,385
November	15,234	38,638	40,173	r2,233	31,930	r2,561	r14,068	128	468	48,613	2,388
December	16,411	33,546	35,617	(	30,653	(			(	58,650	2,041
January	15,841	23,653	25,719	(	22,176	(			(	46,760	1,661
February	13,759	33,163	33,911	) 2,208	22,917	2,477	13,503	260	764	42,994	1,952
March	15,178	35,669	38,860	(	21,678	(			(	74,478	2,065
April	14,461	18,224	19,117	(	21,150	(			(	48,844	1,338
May	14,418	37,153	40,075	) 2,087	17,546	3,074	r14,915	210	583	50,472	2,071
June	13,696	33,878	37,807	(	19,561	(			(	53,441	1,938
1971-72 -											
July	14,389	37,229	41,401	)	24,860	(			(	59,763	2,167
August	13,204	39,467	44,367	) 2,494	25,857	3,498	16,626	318	634	59,159	1,968
September	13,380	36,996	43,382	(	25,275	(			(	59,363	1,999
October	14,221	34,880	42,477	(	22,173	(			(	r53,587	2,110
November	13,107	37,083	45,022	(	22,861	(			(	59,922	2,095

(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 March 1971. (d) July to September.

TABLE 1. - MINE PRODUCTION OF PRINCIPAL MINERALS, AUSTRALIA - continued

Period	Metallic minerals - continued			Fuel minerals					
	Mineral sands concentrates (a)			Black coal			Brown coal	Petroleum (b)	
	Ilmenite	Rutile	Zircon	Under-ground	Total	Seasonally adjusted (c)		Crude oil (d)	Natural gas
	- tons -			- '000 tons -				'000 bbls	mil. cu ft
1968-69	656,693	311,662	341,720	33,840	42,650	..	23,128	14,066	r2,036
1969-70	776,883	366,157	370,758	35,704	47,759	..	23,927	r30,643	r25,254
1970-71	877,663	364,050	409,506	36,772	48,967	..	22,814	93,946	69,275
July to November -									
1970-71	377,464	149,379	167,429	16,846	22,573	..	10,001	34,996	27,711
1971-72	318,523	150,284	163,103	14,450	20,740	..	9,975	51,316	35,391
1970-71-									
October	85,198	29,850	34,338	3,489	4,659	4,214	1,698	7,912	5,379
November	82,968	31,941	36,302	3,379	4,491	4,155	1,674	7,255	5,330
December	81,899	33,954	34,811	2,271	2,953	3,847	1,702	8,246	5,283
January	73,145	29,602	34,043	2,289	2,939	4,037	1,594	7,895	5,118
February	68,236	26,244	30,712	2,885	3,638	3,736	1,693	7,417	5,212
March	85,973	30,403	38,024	3,175	4,128	3,707	1,628	7,395	5,654
April	64,313	30,847	33,400	2,530	3,529	4,191	1,998	8,007	5,927
May	65,898	30,378	31,528	3,489	4,749	4,628	2,111	10,331	7,336
June	60,735	33,243	39,559	3,286	4,458	4,032	2,087	9,660	7,034
1971-72-									
July	66,508	25,644	29,551	2,624	r3,650	r3,115	2,153	10,420	7,728
August	66,860	31,494	34,891	2,441	r3,403	r3,286	2,184	10,322	7,936
September	60,768	31,100	34,915	2,273	r3,491	r3,420	1,946	9,937	7,008
October	59,758	31,586	32,942	3,507	5,047	4,784	1,878	10,129	6,586
November	64,629	30,460	30,804	3,605	5,140	4,535	1,815	10,508	6,132

(a) Quantities shown are gross output. (b) Source : Department of National Development. (c) See Explanatory Notes, paragraph 5, page 4. (d) 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
	'000 tons				tons -				- '000 tons -	
1968-69	1,592	109,998	109,582	94,732	132,218	175,289	228,224	3,960	4,966	(e)5,722
1969-70	r1,995	r165,709	r108,852	r103,680	r169,007	r185,366	r257,674	4,637	5,712	(e)5,888
1970-71	r2,348	r214,762	r128,325	r108,025	r175,934	152,490	r249,753	5,848	6,613	(e)6,141
July to November -										
1970-71	(f)555	86,549	49,930	41,025	71,001	73,002	105,192	2,192	2,555	2,653
1971-72	(f)699	91,407	61,444	52,724	56,475	82,835	111,255	2,571	2,813	2,632
1970-71 -										
October	)	(r17,826	r10,368	r8,299	r12,842	15,129	21,666	522	572	555
November	)	(r17,030	r10,856	r7,972	r12,216	14,742	17,441	449	491	523
December	)	(r17,699	r10,354	r8,536	r14,390	14,261	22,676	453	617	541
January	)	(17,754	11,162	8,776	14,691	13,527	22,340	582	569	528
February	)	(559 16,555	10,039	8,782	11,728	12,277	19,245	503	545	443
March	)	(19,175	11,358	11,533	14,403	14,439	20,373	491	632	525
April	)	(18,858	10,107	8,734	14,460	12,275	21,424	399	538	513
May	)	(654 19,510	11,504	9,517	21,784	..	19,288	423	565	431
June	)	(18,662	13,871	11,122	13,477	12,709	19,215	805	593	501
1971-72 -										
July	)	(19,167	12,867	9,284	12,874	20,296	23,418	123	612	527
August	)	(699 19,322	12,636	11,993	10,804	16,595	22,362	716	586	536
September	)	(17,806	11,853	9,455	9,926	17,301	21,149	724	486	527
October			12,054	12,154	12,174	14,529	22,451	385	525	541
November			12,034	9,838	10,697	14,114	21,875	623	605	501

(a) Excludes secondary metal. (b) Metallic content. (c) Lead bullion for export. (d) Gross wet weight. (e) Year ended May. (f) July to September.

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

	Metals - continued									
	Ferrous - continued					Precious				
	Steel ingots (b)		Blooms and slabs	Tinplate	Refined gold				Refined silver	
	Original	Seasonally adjusted (c)			Australian origin		Overseas origin			
					Newly won		From scrap	Newly won		From scrap
					Quantity	Value (d)				
	- '000 tons -		tons	f oz	\$'000		- f oz -		'000 f oz	
1968-69	(e)6,599	..	(e)5,749	(e)255,650	621,943	25,217	14,584	123,599	740	9,134
1969-70	(e)6,766	..	(e)5,801	(e)278,136	527,297	17,257	18,461	126,238	919	10,581
1970-71	(e)6,693	..	(e)5,675	(e)304,138	463,803	15,706	20,474	112,465	1,369	8,319
July to November -										
1970-71	2,872	..	2,452	131,777	202,282	6,660	9,055	50,832	863	3,689
1971-72	2,899	..	2,466	135,160	220,770	8,199	8,833	49,200	444	3,774
1970-71 -										
October	581	558	480	27,133	51,085	1,663	2,032	10,724	204	891
November	563	557	488	25,887	39,217	1,311	1,596	10,791	..	539
December	592	564	478	25,529	39,968	1,288	1,788	7,130	13	639
January	558	559	487	26,812	34,516	1,177	1,053	10,526	4	704
February	461	535	407	24,532	33,679	1,233	1,224	6,529	..	645
March	580	568	483	24,871	32,844	1,141	761	9,410	..	821
April	570	598	470	24,310	49,047	1,741	2,653	11,455	23	910
May	495	479	424	22,493	35,199	1,225	1,335	8,121	..	449
June	560	576	473	26,527	36,268	1,241	2,605	8,462	466	462
1971-72 -										
July	606	582	524	26,397	37,556	1,542	1,925	12,399	..	711
August	577	561	484	26,126	43,711	1,572	2,250	8,503	..	855
September	566	569	482	27,127	44,799	1,715	1,121	8,207	208	711
October	590	574	501	28,340	51,036	1,839	1,406	11,366	201	732
November	559	549	475	27,170	43,668	1,531	2,131	8,725	35	764

(a) Except for steel ingots, excludes secondary metal. (b) Includes recovery from scrap. (c) See Explanatory Notes, paragraph 5, page 4. (d) 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. (e) Year ended May.

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

Period	Fuels						Building materials and chemicals					
	Petroleum products (a)				Coal products		Building materials			Chemicals		
	Motor spirit	Automotive distillate	Furnace fuel	Industrial diesel fuel	Metallurgical coke	Brown coal briquettes	Portland cement		Asbestos cement sheets non-acoustic	Sulphuric acid		Superphosphate (c)
							Original	Seasonally adjusted (b)		Original	Seasonally adjusted (b)	
	mil.gal								'000 sq yd			
1968-69	2,023	2,579	6,113	1,038	3,647	1,471	4,075	..	38,049	1,853	..	3,938
1969-70	2,110	2,852	5,987	1,080	3,994	1,539	4,439	..	42,120	1,748	..	3,598
1970-71	2,230	3,127	5,700	1,102	4,470	1,376	4,611	..	40,240	1,586	..	3,108
July to November												
1970-71	917	1,202	2,531	522	1,858	578	2,040	..	17,494	658	..	1,307
1971-72	958	1,357	2,326	550	1,766	629	2,045	..	18,881	658	..	1,230
1970-71 -												
October	191	247	517	109	379	116	415	380	2,619	146	140	322
November	172	261	441	81	372	94	417	394	3,238	142	156	289
December	191	294	518	89	375	68	337	387	3,778	144	137	282
January	191	312	493	87	378	79	304	397	998	115	111	249
February	151	224	398	52	365	104	336	356	3,786	154	151	263
March	190	258	458	74	407	109	402	390	3,448	145	131	307
April	187	264	368	68	391	144	370	375	3,342	146	138	285
May	201	285	493	100	340	149	417	390	3,098	134	132	239
June	202	287	442	111	357	147	403	410	4,296	90	102	178
1971-72 -												
July	196	272	426	110	358	149	416	386	3,519	72	88	120
August	212	283	501	109	356	142	368	348	4,219	142	154	210
September	189	245	507	126	338	123	395	377	4,086	147	134	299
October	184	279	463	94	370	99	436	401	3,275	153	150	2306
November	177	278	430	111	344	115	430	403	3,782	145	154	294

(a) Produced by Australian refineries from imported and indigenous petroleum. Source : Department of National Development.

(b) See Explanatory Notes, paragraph 5, page 4. (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	July - Nov.		Nov. 1971	1969-70	1970-71	July - Nov.		Nov. 1971
				1970-71	1971-72				1970-71	1971-72	
METALLIC MINERALS AND METALS (c)											
Non-ferrous -											
Copper -											
Concentrate	tons	64,082	r138,003	65,333	66,051	9,211	14,620	r32,031	17,529	12,622	1,187
Blister	"	7,903	6,862	3,052	2,999	477	13,256	8,992	4,453	3,490	520
Refined	"	38,014	35,446	8,225	18,529	3,284	54,733	35,521	8,989	17,484	2,958
Matte, slags, etc.	"	12,401	r8,239	3,195	737	..	6,889	r3,332	1,628	257	..
Lead -											
Concentrate	tons	119,468	81,784	46,927	48,071	10,832	23,320	r15,290	9,363	8,581	1,897
Bullion	"	167,074	r176,971	71,990	49,973	2,851	60,461	56,455	24,623	13,912	697
Refined	"	159,064	121,210	51,638	49,198	4,936	42,944	29,023	13,005	10,715	1,075
Slags and residues	"	3,189	2,987	2,263	628	255	934	586	473	137	50
Zinc -											
Concentrate	tons	430,216	381,217	178,744	191,292	52,450	30,503	25,739	11,913	14,086	4,023
Refined	"	152,273	134,507	57,393	83,600	22,666	38,736	35,671	15,426	22,174	6,415
Slags and residues	"	5,452	5,761	2,465	2,512	531	373	513	203	233	53
Tin											
Concentrate	tons	7,031	6,243	2,701	2,380	225	10,453	7,636	3,966	3,090	371
Refined	"	557	1,427	618	805	22	1,791	4,535	2,010	2,492	69
Aluminium, refined (d)	tons	49,724	78,403	33,165	39,586	4,755	22,972	35,962	15,771	17,149	2,041
Ferrous and alloy -											
Iron ore -											
Pellets	'000 tons	5,048	5,539	2,328	2,545	391	58,830	62,802	26,113	28,007	4,402
Fines	"	7,608	13,265	4,822	7,791	1,616	48,731	81,101	30,100	47,389	9,575
Lump	"	20,588	28,753	11,620	12,523	2,226	170,249	231,485	92,666	102,155	17,801
Manganese ore	tons	630,470	692,541	294,614	401,434	60,646	11,440	12,961	5,684	7,393	1,134

(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 refined aluminium, significant quantities of alumina and bauxite are exported, but details are not available for publication.

TABLE 3. - EXPORTS OF SELECTED MINERALS AND MINERAL PRODUCTS, AUSTRALIA - continued

Commodity (a)	Quantity					Value (\$'000)					
	1969-70	1970-71	July - Nov.		Nov. 1971	1969-70	1970-71	July - Nov.		Nov. 1971	
			1970-71	1971-72				1970-71	1971-72		
METALLIC MINERALS AND METALS (b)											
Ferrous and alloy - contd -											
Tungsten -											
Scheelite concentrate	tons	1,409	1,205	451	292	76	4,225	3,607	1,352	872	227
Wolfram concentrate	"	949	986	319	306	90	3,494	4,100	1,447	927	280
Pig iron	tons	306,156	383,567	163,275	269,334	86,104	14,742	21,587	10,111	12,336	4,082
Steel ingots, blooms	"	444,077	115,359	61,643	58,310	6,919	30,945	9,596	5,239	4,177	468
Mineral sands -											
Ilmenite concentrate	tons	586,798	630,935	244,621	239,631	14,332	5,888	6,471	2,660	2,556	153
Rutile concentrate	"	340,964	374,906	168,758	128,352	7,157	30,209	36,399	16,120	14,785	965
Zircon concentrate	"	345,495	357,424	171,173	149,378	19,305	13,489	13,200	6,230	5,639	904
Precious -											
Gold, refined	foz	473,411	76,646	73,424	51,108	10,977	16,377	2,451	2,340	1,901	405
Silver, refined	'000 foz	7,942	7,959	3,910	3,046	203	13,350	12,237	6,179	4,099	234
FUEL MINERALS											
Coal, black	'000 tons	17,345	18,697	8,309	8,073	1,793	164,498	193,725	83,187	87,341	19,330

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

Particulars	Metallic contents - estimated from assay								
	Copper	Lead	Zinc	Tin	Iron	Manganese	Tungstic oxide (b)	Gold	Silver
	- tons -				'000 tons	tons	units	f oz	'000 f oz
1968-69	20,352	205,893	181,991	3,823	13,103	254,908	169,897	102,502	11,948
1969-70	25,364	253,933	231,201	3,871	21,349	293,891	164,938	126,960	15,907
1970-71	44,328	238,580	207,538	2,816	30,704	318,850	151,351	219,820	12,117
July to November -									
1970-71	21,182	108,006	97,920	1,432	11,956	139,375	52,335	102,484	6,402
1971-72	19,984	82,543	105,457	1,243	14,606	190,609	42,077	39,010	2,752
November 1971 -									
Copper concentrate	1,785	..	..	..	..	..	..	..	8
Blister copper	475	..	..	..	..	..	..	3,438	2
Lead concentrate	491	5,426	1,439	..	..	..	..	1,481	476
Lead bullion	..	2,831	..	..	..	..	..	..	228
Lead slags and residues	61	148	12	..	..	..	..	..	6
Zinc concentrate	..	341	27,283	..	..	..	..	..	14
Zinc slags and residues	..	..	355	..	..	..	..	..	..
Tin concentrate	..	..	..	134	..	..	..	..	..
Iron ore - Pellets	..	..	..	..	257	..	..	..	..
Fines	..	..	..	..	1,001	..	..	..	..
Lump	..	..	..	..	1,446	..	..	..	..
Manganese ore	..	..	..	..	..	28,344	..	..	..
Scheelite concentrate	..	..	..	..	..	..	5,136	..	..
Wolfram concentrate	..	..	..	..	..	..	6,546	..	..
Total November 1971	2,812	8,746	29,089	134	2,704	28,344	11,682	4,919	733

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

Country	Quantity				Value (\$'000)					
	1969-70	1970-71	July - Nov.		Nov. 1971	1969-70	1970-71	July - Nov.		Nov. 1971
			1970-71	1971-72				1970-71	1971-72	
REFINED COPPER										
	- tons -									
Germany, Fed. Rep.	5,626	12,036	2,807	5,170	1,194	8,115	11,944	3,007	4,872	1,070
United Kingdom	12,715	7,625	1,474	4,972	1,477	18,611	7,595	1,671	4,664	1,336
France	5,258	6,444	2,212	3,794	100	7,522	6,595	2,383	3,634	92
Japan	5,895	5,395	491	2,470	513	8,454	5,373	506	2,310	461
Other countries	8,520	3,945	1,241	2,123	..	12,032	4,013	1,422	2,004	..
<u>Total</u>	38,014	35,446	8,225	18,529	3,284	54,733	35,521	8,989	17,484	2,958
LEAD BULLION										
	- tons -									
United Kingdom	144,130	142,885	60,734	40,380	2,851	54,445	47,499	21,297	11,613	697
Netherlands	16,943	27,208	8,257	5,250	..	4,432	7,058	2,458	1,219	..
Germany, Fed. Rep.	4,002	6,878	2,999	4,298	..	1,171	1,898	867	1,053	..
Other countries	1,999	..	..	45	..	413	..	..	27	..
<u>Total</u>	167,074	177,971	71,990	49,973	2,851	60,461	56,455	24,623	13,912	697
REFINED LEAD										
	- tons -									
United Kingdom	62,785	47,466	17,811	15,484	..	17,032	11,099	4,346	3,281	..
United States of America	57,495	38,797	18,656	17,106	783	15,032	9,098	4,632	3,556	143
India	18,493	16,120	5,477	3,702	339	5,244	3,948	1,430	832	68
Other countries	20,291	18,827	9,694	12,906	3,814	5,637	4,878	2,597	3,047	865
<u>Total</u>	159,064	121,210	51,638	49,198	4,936	42,944	29,023	13,005	10,715	1,075
ZINC CONCENTRATE										
	- tons -									
United Kingdom	196,133	175,376	86,081	82,830	26,602	14,200	11,750	5,768	5,550	1,782
Japan	158,523	120,722	51,657	34,304	..	11,563	8,689	3,656	2,880	..
Belgium	18,277	33,730	18,932	22,087	18,360	1,069	2,067	1,133	2,062	1,739
Norway	23,501	33,058	22,074	3,534	..	1,401	2,032	1,357	277	..
India	19,214	9,992	..	..	..	1,382	669	..	..	..
Other countries	14,568	8,339	..	48,537	7,488	888	531	..	3,318	502
<u>Total</u>	430,216	381,217	178,744	191,292	52,450	30,503	25,739	11,913	14,086	4,023

(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 5. - EXPORTS OF SELECTED MINERALS AND METALS B. COUNTRY OF CONSIGNMENT, AUSTRALIA (a)(b) - continued

Country	Quantity					Value (\$'000)				
	1969-70	1970-71	July - Nov.		Nov. 1971	1969-70	1970-71	July - Nov.		Nov.
			1970-71	1971-72				1970-71	1971-72	
REFINED ZINC										
	- tons -									
United States of America	27,296	26,490	12,356	21,360	7,143	6,648	7,284	3,559	5,520	2,332
India	10,513	22,903	7,717	8,209	619	2,770	6,063	2,055	2,161	188
New Zealand	14,526	15,492	6,891	6,220	563	3,785	4,080	1,830	1,855	175
United Kingdom	18,283	15,328	5,289	21,846	7,801	4,523	3,841	1,326	5,238	1,787
Thailand	12,113	9,398	5,394	7,349	2,521	3,176	2,517	1,446	2,077	700
China, Mainland	14,000	1,968	689	..	..	3,688	517	181	..	..
Other countries	55,542	42,928	19,057	18,616	4,019	14,146	11,368	5,029	5,321	1,235
<u>Total</u>	152,273	134,507	57,393	83,600	22,666	38,736	35,671	15,426	22,174	6,415
IRON ORE										
	- '000 tons -									
Japan	28,903	41,324	16,772	19,906	3,599	244,677	330,808	134,604	155,163	27,260
Germany, Fed. Rep.	796	1,404	360	671	64	5,997	10,294	2,463	4,270	306
United Kingdom	542	983	371	214	76	4,494	7,761	3,086	1,929	678
France	508	801	370	199	65	3,962	5,637	2,735	1,658	400
United States of America	583	780	140	337	100	4,559	5,378	883	2,852	804
Other countries	1,912	2,265	756	1,532	328	14,119	15,509	5,107	11,678	2,330
<u>Total</u>	33,244	47,557	18,770	22,859	4,233	277,810	375,388	148,879	177,551	31,778
MINERAL SANDS										
	- tons -									
Japan	312,378	368,707	130,523	81,439	8,103	8,348	9,293	3,758	2,908	237
United States of America	314,021	310,885	154,620	119,520	5,652	17,454	21,861	10,116	9,142	342
United Kingdom	273,661	306,332	123,430	130,550	1,321	6,798	6,866	2,899	2,462	101
Netherlands	70,380	80,097	45,809	27,153	1,588	3,798	4,434	2,397	2,300	196
Other countries	302,817	297,244	130,170	158,699	24,130	13,188	13,617	5,841	6,169	1,145
<u>Total</u>	1,273,257	1,363,265	584,552	517,361	40,794	49,586	56,070	25,010	22,981	2,022
BLACK COAL										
	- '000 tons -									
Japan	16,260	15,915	7,403	6,876	1,471	153,566	165,116	74,088	75,209	16,063
Netherlands	154	945	209	544	279	1,359	9,014	1,699	5,281	2,878
Germany, Fed. Rep.	518	526	131	131	..	5,196	4,855	1,097	1,255	..
New Caledonia	171	286	142	64	..	1,677	3,138	1,429	811	..
Other Countries	242	1,026	425	458	44	2,700	11,602	4,875	4,785	389
<u>Total</u>	17,345	18,697	8,309	8,073	1,793	164,498	193,725	83,187	87,341	19,330

(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. - IMPORTS OF SELECTED MINERALS AND MINERAL PRODUCTS, AUSTRALIA

Commodity (a)		Quantity					Value (\$'000)				
		1969-70	1970-71	July - Nov.		Nov. 1971	1969-70	1970-71	July - Nov.		Nov. 1971
				1970-71	1971-72				1970-71	1971-72	
METALS											
Tin, refined	tons	103	117	37	53	10	347	376	121	167	31
Nickel (nigs, anodes, etc.)	tons	1,466	2,104	1,151	723	34	5,372	8,781	3,103	1,917	88
Ferro-alloys	tons	30,589	37,243	18,951	1,474	3,594	12,748	11,660	6,136	4,368	1,079
Gold -											
Unrefined bullion (b)	f oz	129,287	103,254	51,206	40,637	7,160	4,146	3,416	1,655	1,384	252
Refined	"	62,230	8,167	190			2,389	232	10		
FUEL MINERALS											
Petroleum, crude	mil. gals	5,096	3,011	1,462	1,107	151	200,356	121,325	55,512	52,967	7,286
NON-METALLIC MINERALS											
Asbestos	short tons	65,447	79,015	40,654	32,366	8,306	8,572	10,705	5,360	4,658	1,127
Diamonds -											
Industrial	metric carat	963,226	744,802	415,302	307,660	69,412	3,626	3,106	1,710	1,308	267
Gemstone	" "	33,826	49,847	18,406	16,463	2,429	5,447	6,573	2,675	2,483	366
Phosphate rock	'000 tons	2,746	2,074	914	790	131	27,875	22,174	9,882	9,228	1,349
Potassium											
fertilisers	tons	127,347	150,847	67,221	53,888	19,587	3,432	4,793	1,914	1,520	528
Sulphur	tons	427,300	269,024	93,816	97,477	28,628	10,786	4,906	1,671	1,762	492

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

(b) Gold content.

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

Period	Copper		Lead			Zinc			
	Aust. (\$A-ton)	L.M.E. (£Stg- metric ton)	Aust. (\$A-ton)	L.M.E. (£Stg- metric ton)	U.S.A. (US c-lb)	Aust. (\$A-ton)	L.M.E. (£Stg- metric ton)	Prod. (£Stg- ton)	U.S.A. (US c-lb)
	1	2	3	4	5	6	7	8	9
1968-69	1,126.5	(b) 516.7	234.3	(b) 109.3	13.46	266.1	(b) 114.0	115.8	13.84
1969-70	1,500.1	671.8	283.5	132.2	16.10	291.2	123.9	127.3	15.30
1970-71	1,087.4	477.7	262.4	114.7	14.60	295.7	121.3	128.8	15.25
1971-72									
Highest	1,075.2	509.3	250.0	110.4	14.50	343.0	141.9	150.0	17.00
Lowest	918.4	393.8	220.0	84.9	14.00	343.0	125.1	150.0	16.00
1970-71									
October	1,120.9	475.8	270.0	118.7	14.75	295.0	123.4	128.0	15.00
November	1,030.4	451.9	270.0	116.5	14.75	295.0	121.7	128.0	15.00
December	995.2	435.3	270.0	115.2	14.67	295.0	120.4	128.0	15.00
January	972.2	420.7	253.0	109.2	14.25	295.0	118.4	128.0	14.75
February	963.2	424.9	250.0	110.7	14.25	295.0	113.2	128.0	14.98
March	1,014.7	476.5	250.0	111.3	14.25	295.0	118.1	128.0	15.16
April	1,154.7	521.2	250.0	111.5	14.25	295.0	118.0	128.0	15.50
May	1,096.5	464.1	250.0	110.1	14.25	295.0	119.9	128.0	15.81
June	1,013.2	447.2	250.0	110.4	14.25	303.7	128.5	138.0	16.00
1971-72									
July	1,046.8	464.4	250.0	109.0	14.25	343.0	132.2	150.0	16.21
August	1,030.4	451.0	250.0	106.0	14.25	343.0	132.4	150.0	17.00
September	997.9	427.5	250.0	96.7	14.25	343.0	125.5	150.0	17.00
October	941.9	417.7	221.4	91.9	14.25	343.0	135.0	150.0	17.00
November	937.7	406.4	220.0	88.8	14.25	343.0	138.0	150.0	17.00

(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) £Stg per ton.

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

Period	Tin			Nickel U.K. (£Stg- metric ton)	Aluminium		Gold			Silver U.K. (Stg new pence - f oz)
	Aust. (\$A-ton)	L.M.E. (£Stg- metric ton)	Straits (\$Mal- picul)		Aust. (\$A-ton)	U.S.A. (US c-lb)	Premium markets (\$A-f oz)		U.K. (\$US-f oz)	
							Australia	Overseas		
	10	11	12	13	14	15	16	17	18	19
1968-69	3,063.2	(b) 1,363.6	585.6	(b) 944.0	538.0	26.4	36.83	36.17	41.28	(c) 198.6
1969-70	3,463.8	1,524.6	669.7	1,123.7	564.9	27.9	33.49	32.05	37.40	(c) 179.1
1970-71	3,344.9	1,476.7	643.1	1,231.1	578.0	29.0	33.76	31.98	37.87	70.3
1971-72										
Highest	3,363.0	1,457.0	646.5	1,246.5	578.0	29.0	37.38	(d)	43.94	67.2
Lowest	3,209.0	1,398.0	617.1	1,246.5	578.0	23.0	35.99	(d)	40.24	51.0
1970-71										
October	3,430.5	1,528.8	657.1	1,200.5	578.0	29.0	33.47	(d)	37.52	(c) 175.6
November	3,415.5	1,506.9	654.0	1,246.5	578.0	29.0	33.42	(d)	37.44	(c) 176.6
December	3,302.6	1,457.2	639.5	1,246.5	578.0	29.0	33.52	(d)	37.44	(c) 163.7
January	3,282.2	1,441.8	628.6	1,246.5	578.0	29.0	33.76	(d)	37.89	(c) 163.1
February	3,260.7	1,442.8	625.8	1,246.5	578.0	29.0	34.31	(d)	38.75	66.0
March	3,331.5	1,469.3	641.0	1,246.5	578.0	29.0	34.56	(d)	38.87	68.6
April	3,368.6	1,484.5	648.3	1,246.5	578.0	29.0	34.66	(d)	39.02	71.2
May	3,339.3	1,466.5	641.5	1,246.5	578.0	29.0	35.86	(d)	40.52	68.7
June	3,282.5	1,436.9	630.0	1,246.5	578.0	29.0	35.66	(d)	40.10	66.3
1971-72										
July	3,326.7	1,439.9	638.5	1,246.5	578.0	29.0	35.99	(d)	41.00	65.0
August	3,266.5	1,419.9	628.9	1,246.5	578.0	29.0	37.38	(d)	42.73	65.4
September	3,263.0	1,416.4	626.2	1,246.5	578.0	29.0	36.45	(d)	42.02	57.4
October	3,219.6	1,402.0	618.6	1,246.5	578.0	26.7	36.72	(d)	42.50	53.2
November	3,242.3	1,413.1	624.0	1,246.5	578.0	26.7	36.70	(d)	42.86	52.6

(a) See footnote (a) on previous page. (b) £Stg per ton. (c) dStg per f oz. (d) No premium gold sales reported.

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

Period	Tin Aust.(b) (\$A-ltu)	Wolfram U.K. (c) (£Stg-ltu)	Ilmenite (c)		Rutile (c)		Zircon (c)	
			Aust.	U.K.	Aust.	U.K.	Aust.	U.K.
			(\$A-ton)	(£Stg - metric ton)	(\$A-ton)	(£Stg - metric ton)	(\$A-ton)	(£Stg - metric ton)
	20	21	22	23	24	25	26	27
1968-69	25.98	18.00-22.50	9-10	(d) 7.50- 9.50	88-124	(d) 48.50-66.00	42-50	(d) 26.25-30.00
1969-70	30.90	21.00-38.00	9-11	(d) 7.50- 9.50	124-150	(d) 66.00-79.00	35-47	(d) 25.25-27.75
1970-71	28.66	22.80-36.75	11	7.38-11.32	145-150	74.78-79.72	35-39	24.85-28.05
1971-72 -								
Highest	28.21	22.00	11	11.32	150	79.72	39	28.05
Lowest	27.62	16.40	11	9.35	145	76.77	35	26.82
1970-71 -								
October	29.61	28.00-30.00	11	(d) 7.50- 9.50	145-150	(d) 76.00-79.00	35-39	(d) 25.25-26.50
November	29.36	26.80-28.00	11	(d) 9.50-11.50	145-150	(d) 78.00-81.00	35-39	(d) 27.25-28.50
December	28.83	28.00-30.25	11	(d) 9.50-11.50	145-150	(d) 78.00-81.00	35-39	(d) 27.25-28.50
January	27.78	28.54-29.77	11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
February	27.84	28.90-30.05	11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
March	28.00	26.50-27.50	11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
April	28.85	25.25-26.25	11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
May	29.03	25.00-26.00	11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
June	28.23	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	20.50-21.50	11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
August	28.05	17.00-18.50	11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
September	27.73	16.40-18.00	11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
October	27.77	18.50-20.50	11	9.35-11.32	145-150	76.77-79.72	35-39	26.82-28.05
November	27.62	20.00-22.00	11	9.35-11.32	145-150	76.77-79.72	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 specification 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 ton.

TABLE 9. - EXPORT PRICE INDEX, AUSTRALIA (a)

(Base : Year 1959-60 = 100)

Period	Metals and coal (b)	Gold	All groups
1968-69	123	117	102
1969-70	(c) 143	(c) 109	(c) (d) 103
1970-71	139	109	101
1970-71 -			
October	140	106	98
November	138	108	100
December	138	108	98
January	137	109	100
February	137	112	100
March	135	112	101
April	138	112	102
May	138	115	104
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

(a) See Appendix D for details in this index.

(b) Comprises iron and steel, copper, zinc, lead, silver and coal.

(c) Interim series linked as at June 1969.

(d) 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)
1968-69	12,497	1,810	..	988	31,665
1969-70	14,302	1,871	..	740	45,820
1970-71	9,643	2,881	568	489	40,815
July to November					
1970-71	3,676	1,491	90	224	7,877
1971-72	2,155	736	366	268	9,087
1970-71 -					
October	601	154	..	150	1,668
November	1,012	699	..	3	1,951
December	635	134	..	..	2,377
January	492	470	36	54	2,557
February	661	191	..	69	4,127
March	1,211	44	..	67	7,040
April	100	1	..	..	7,004
May	780	550	120	76	5,103
June	2,087	3	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

(a) Petroleum Search Subsidy Act 1959-69. (b) Includes Territory of Papua and New Guinea. (c) Gold-Mining Industry Assistance Act 1954-1970. (d) Pyrites Bounty Act 1960-71. (e) Sulphuric Acid Bounty Act 1954-1971. (f) Phosphate Fertilizers 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		Change in stocks held in Australia (c)
				- f oz -			\$A	
1968-69	637,267	118,385	755,652	447,929	305,727	753,656	+ 1,996	31,861
1969-70	546,677	191,517	738,194	473,411	427,463	900,874	- 162,680	33,449
1970-71	485,646	111,421	597,067	76,646	834,443	911,089	- 314,021	19,293
July to November 1970-71	212,200	51,396	263,596	73,424	217,457	290,881	- 27,285	24,721
1971-72	230,047	40,637	270,684	51,108	441,137	492,245	- 221,561	14,496
1970-71 -								
October	53,321	11,916	65,237	16,669	54,189	70,858	- 5,621	6,510
November	40,813	11,487	52,300	7,991	61,529	69,520	- 17,220	4,841
December	41,769	2,752	44,521	400	83,332	83,732	- 39,211	7,584
January	35,573	8,574	44,147	701	71,495	72,196	- 28,049	- 6,549
February	34,903	13,826	48,729	897	100,674	101,571	- 52,842	5,222
March	33,605	6,833	40,438	52	142,843	142,895	- 102,457	3,948
April	51,723	12,036	63,759	460	60,813	61,273	+ 2,486	6,044
May	36,534	6,423	42,957	227	101,478	101,705	- 58,748	- 13,898
June	39,339	9,582	48,921	485	56,351	56,836	- 7,915	- 7,779
1971-72 -								
July	39,481	7,724	47,205	153	52,985	53,138	- 5,933	- 13,583
August	45,961	6,727	52,688	9,669	108,888	118,557	- 65,869	3,955
September	46,128	7,941	54,069	28,990	79,494	108,484	- 54,415	4,471
October	52,643	11,085	63,728	1,319	103,656	104,975	- 41,247	9,681
November	45,834	7,160	52,994	10,977	96,114	107,091	- 54,097	9,972

(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.

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, A.C.T. 2600

21 APRIL 1972

J. P. O'NEILL
COMMONWEALTH STATISTICIAN

NOTE. Inquiries concerning these statistics may be made in Canberra by telephoning 490211 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.) 1971-72ITEMS INCLUDED IN TABLES 3, 4 AND 5

<u>Commodity</u>	<u>Statistical item</u>	<u>Description</u>
Non-ferrous -		
Copper -		
Concentrate	283.11.00	Ores and concentrates of copper
Blister	682.11.09	Black, blister, rough or standard copper
Refined	682.12.01	Refined copper
Matte, slags, etc.	{ 284.00.23	Copper-lead dross and speiss
	{ 284.00.24	Copper slags and residues
	{ 283.12.00	Copper matte (including copper-lead matte)
Lead -		
Concentrate	283.40.00	Ores and concentrates of lead
Bullion	685.10.11	Bullion (lead and silver-lead)
Refined	685.10.19	Unworked n.e.i.
Slags and residues	284.00.25	Lead slags and residues
Zinc -		
Concentrate		
Refined	283.50.00	Ores and concentrates of zinc
Slags and residues	686.10.00	Unworked zinc and zinc alloys
	284.00.27	Zinc slags and residues
Tin -		
Concentrate	283.60.00	Ores and concentrates of tin
Refined	687.10.01	Refined tin
Aluminium, 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

APPENDIX A - continued

<u>Commodity</u>	<u>Statistical item</u>	<u>Description</u>
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 -		
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)
	(991.00.09	Fabricated, includes granules (gold content)
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)

APPENDIX B
AUSTRALIAN IMPORT COMMODITY CLASSIFICATION (A.I.C.C.) 1971-72
INCLUDED IN TABLE 6

<u>Commodity</u>	<u>Statistical item</u>	<u>Description</u>
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
Refined forms	{ 991.00.03	Mint bullion (i.e. in the form accepted in inter-bank transactions)
	{ 991.00.04	Refined bullion (except mint bullion)
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
	{ 274.10.09	Bagged or otherwise packed

APPENDIX CPRICES OF SELECTED METALS AND MINERALS (TABLES 7 AND 8)Reference
numberParticulars 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. 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. Prior to April 1968 basis was g.o.b. grade, f.o.r. Cockle Creek.
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, o.i.f. capital cities.
15. Refined aluminium, min. 99.5% domestic, delivered.
16. Australian gold sold on Australian premium markets. The Reserve Bank official price is \$31.25 per fine ounce. Prices quoted relate to month in which sales contract was negotiated.
17. Australian gold sold on overseas premium markets by Gold Producers Association. Prices relate to the month in which gold sales contracts are negotiated with exporters and do not necessarily relate to the month in which the gold is actually delivered and/or exported.
18. Refined gold, spot, London open market.
19. Refined silver, spot, London.
20. Concentrates, per ton of contained tin, 70% Sn grade, delivered Sydney.

APPENDIX C - continuedReference
numberParticulars of Price Bases

21. Concentrates, per ltu of W_3 grade, standard quality, c.i.f. Europe.
22. Nominal prices*, concentrates, 52-54% TiO_2 , f.o.b. Bunbury.
23. Concentrates, 52-54% TiO_2 , Malaysian origin, c.i.f. Europe.
24. Nominal prices*, concentrates, 95-97% TiO_2 , bagged f.o.b./f.o.r.
25. Concentrates, 95-97% TiO_2 , Australian origin, c.i.f. Europe.
26. Nominal prices*, concentrates, standard grade, minimum 65% ZrO_2 , f.o.b.
27. 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

Unit	Equivalent to -
\$Mal 1	\$A 0.29
£Stg 1	\$A 2.15;
\$US 1	\$A 0.86
ltu	22.4 lb
metric ton	2204.6 lb
picul	133 - $\frac{1}{3}$ lb
short ton	2,000 lb
ton	2,240 lb
18tg new pence	d Stg 2.4 old pence

APPENDIX DEXPORT 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).