

STATISTICAL BULLETIN : MINERALS AND MINERAL PRODUCTS, AUSTRALIA

DECEMBER 1968

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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 as follows.

Tables 1, 2 and 3. 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 Census of Mining and Quarrying which is conducted by this Bureau in collaboration with the State Mines Departments.

Table 4. 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 and products which are collected by the Department of National Development. Secondary metal is excluded from the metal production statistics except in the case of ingot steel.

Tables 5, 6, 7 and 8. 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 9 and 10. Prices

Price data are obtained from a number of sources. Australian prices are mainly derived from information collected and compiled by the Bureau of Mineral Resources. Overseas prices are derived from various authoritative journals, principally the Metal Bulletin. For further information, see Appendix B.

Table 11. Wholesale and export price indexes

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

Table 12. 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 1036-39 of Official Year Book No. 54, 1968.

Table 13. Changes in stocks of gold

Statistics of mine production, imports and exports of gold in this table are identical with figures shown in previous tables of this bulletin 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 Census of Mining and Quarrying 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 included in Tables 1 to 7 are grouped according to conventions generally accepted in the mineral industry.
5. Seasonal adjustment. This bulletin includes seasonally adjusted production statistics for Portland cement, ingot steel and black coal. 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 method used in seasonally adjusting black coal production are given in Appendix C of the July 1968 issue of this bulletin, while corresponding details for Portland cement production and ingot steel production are given in Seasonally Adjusted Indicators 1968 (ref. No. 1.10) issued on 21 May 1968.
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)

A blank space in a column of figures means that the figure concerned is not yet available.

TABLE 1. - MINE PRODUCTION OF PRINCIPAL MINERALS (EXCL. GOLD), AUSTRALIA

Period	Metallic minerals								
	Non-ferrous						Ferrous and alloy (a)		Precious (b)
	Copper (b)	Lead (b)	Zinc (b)	Tin (b)	Nickel concentrate	Bauxite (a)	Iron ore and concentrate	Tungsten concentrates	Silver
	- tons -					- '000 tons -		tons	'000 f oz
Year -									
1965	90,388	362,137	349,231	3,849	..	1,168	6,695	1,637	17,281
1966	109,537	364,898	369,341	4,807	..	1,798	10,893	1,806	18,888
1967	90,252	375,031	399,582	5,600	15,753	4,177	17,036	1,660	19,783
1968	104,475	379,687	412,578	6,615	37,233	4,865	25,980	1,972	22,687
Month -									
1967 October	7,550	37,106	40,295	462	2,724	1,074	4,705	405	1,887
November	7,167	36,865	39,176	488	2,693				1,807
December	6,668	22,549	24,712	587	2,799				1,296
1968 January	6,783	22,648	26,201	379	2,506	983	4,913	433	1,323
February	7,553	31,625	33,920	577	2,220				1,678
March	8,356	34,123	34,969	361	2,400				1,901
April	7,407	29,947	31,511	629	2,409	1,322	6,122	447	1,812
May	8,030	32,212	33,872	454	2,687				1,929
June	9,690	26,257	29,035	471	3,038				1,706
July	9,050	30,276	31,862	550	3,398	1,257	7,193	477	1,996
August	8,668	28,099	29,523	596	3,538				1,851
September	10,242	36,125	39,934	642	4,178				2,331
October	10,225	38,648	40,950	1,956	4,087	1,303	7,752	615	2,064
November	9,501	37,141	42,245		3,297				2,138
December	8,970	32,586	38,556		3,475				1,959
1969 January	9,693	27,117	32,409		3,034				1,770

(a) Quantities shown are gross output. (b) Quantities shown are metallic contents of mine products based on chemical assay.

TABLE 1. - MINE PRODUCTION OF PRINCIPAL MINERALS (EXCL. GOLD), AUSTRALIA - continued

Period	Metallic minerals - continued -			Fuel minerals					
	Mineral sands concentrates (a)			Black coal			Brown coal	Petroleum (b)	
	Rutile	Ilmenite	Zircon	Under-ground	Total	Seasonally adjusted (c)		Crude oil (d)	Natural gas
	- tons -			- '000 tons -				'000 bls	'000 cu ft
Year -									
1965	217,330	441,034	226,863	26,876	31,439	..	20,659	2,621	143,402
1966	243,858	513,011	235,649	28,084	33,334	..	21,783	3,390	143,478
1967	273,425	537,721	294,752	29,267	34,707	..	23,384	7,600	152,360
1968	r288,987	r550,117	r309,910	r32,198	r40,236	..	22,674	13,877	215,805
Month -									
1967 December	22,099	41,324	22,969	2,068	2,496	3,066	1,644	1,070	12,538
1968 January	24,975	40,469	24,885	1,581	1,992	3,065	1,562	1,113	12,196
February	21,851	39,155	23,040	2,769	3,367	3,144	1,567	1,043	11,126
March	24,258	37,039	24,970	2,763	3,341	3,158	1,767	1,147	11,193
April	24,000	43,514	25,426	2,160	r2,771	r3,379	1,864	1,117	16,497
May	26,258	44,789	27,579	3,132	r3,802	r3,318	1,945	1,274	19,960
June	24,005	r43,820	24,119	2,566	r3,263	r3,319	2,247	1,087	20,744
July	25,049	47,140	26,780	r3,267	r4,084	r3,420	2,055	1,247	21,844
August	23,537	50,822	26,564	r2,660	r3,402	r3,511	2,305	1,211	21,284
September	23,994	51,737	25,924	r2,697	r3,545	r3,415	2,058	1,144	19,994
October	r23,607	r48,281	r28,945	r3,200	r3,936	r3,414	1,910	1,207	20,968
November	r25,065	r50,066	r25,917	r3,165	r3,968	r3,681	1,821	1,133	20,085
December	r22,388	r53,285	r25,761	2,237	2,765	3,422	1,574	1,154	19,914
1969 January	26,051	56,610	25,135	2,009	2,529	3,567	1,556	1,159	20,396

(a) Quantities shown are gross output. (b) Source : Department of National Development. (c) See explanatory notes, paragraph 5, page 4. (d) A barrel equals approximately 35 gallons.

TABLE 2. - MINE PRODUCTION OF GOLD (a)
(fine ounces)

Period	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australia
Year -								
1965	9,640	19,246	76,964	2	656,355	32,897	82,539	877,643
1966	9,078	21,005	139,202	5	627,052	36,502	84,141	916,985
1967	10,093	10,996	95,778	1	573,837	37,484	72,820	801,009
1968	8,533	12,275	82,855	10	516,205	37,664	139,093	796,635
Month-								
1967 December	664	832	5,664	1	49,179	2,533	6,000	64,873
1968 January	531	780	5,368	..	43,629	2,652	3,147	56,107
February	808	1,415	6,337	..	41,399	2,730	4,972	57,661
March	833	320	8,926	..	52,049	3,028	11,968	77,124
April	685	1,405	7,361	..	47,664	2,611	11,837	71,563
May	751	1,049	7,542	..	41,690	2,427	14,404	67,863
June	520	642	6,444	10	42,392	3,416	29,044	82,468
July	576	1,130	7,481	..	37,212	3,900	13,076	63,375
August	551	1,736	7,047	..	39,947	4,500	10,983	64,764
September	864	1,698	6,095	..	44,461	3,400	9,111	65,629
October	826	509	7,236	..	49,846	3,300	11,275	72,992
November	879	401	6,803	..	35,707	2,900	8,559	55,249
December	709	1,190	6,215	..	40,209	2,800	10,717	61,840

(a) Gold content of minerals produced.

TABLE 3. - GOLD CONTENT OF MINERALS PRODUCED, AUSTRALIA (a)
(fine ounces)

Period	Gold contained in -									Total
	Copper conc.	Copper ore	Copper prec.	Gold bullion(b)	Lead conc.	Lead-copper conc.	Zinc conc.	Bismuth conc.	Lead-zinc conc.	
Year -										
1965	90,495	137	..	753,033	11,358	18,732	3,888	..	..	877,643
1966	160,355	153	..	720,010	10,842	21,430	4,195	..	..	916,985
1967	112,313	161	..	649,087	10,460	23,162	4,499	1,259	68	801,009
1968	94,219	38	378	631,638	9,604	22,904	4,317	33,537	..	796,635
Month -										
1967 December	6,461	54	..	54,309	688	1,777	313	1,259	12	64,873
1968 January	5,388	6	..	47,925	739	1,501	325	223	..	56,107
February	6,789	6	..	47,087	973	1,427	358	1,021	..	57,661
March	10,286	11	..	61,564	1,002	1,623	374	2,264	..	77,124
April	9,189	6	126	55,818	740	1,638	304	3,742	..	71,563
May	8,180	4	126	53,316	804	1,417	326	3,690	..	67,863
June	7,706	5	126	62,418	688	1,998	372	9,155	..	82,468
July	8,611	..	..	49,031	661	2,500	403	2,169	..	63,375
August	7,649	..	..	49,893	639	3,200	401	2,982	..	64,764
September	6,837	..	..	52,862	889	2,200	367	2,474	..	65,629
October	8,465	..	..	58,986	828	2,000	383	2,330	..	72,992
November	7,594	..	..	42,958	882	1,700	366	1,749	..	55,249
December	7,525	..	..	49,780	759	1,700	338	1,738	..	61,840

(a) As despatched from mines or associated treatment plants (including gold batteries). (b) Retorted gold, alluvial gold, etc.

TABLE 4. - PRODUCTION OF PRINCIPAL MANUFACTURED PRODUCTS OF MINERAL ORIGIN, AUSTRALIA

Period	Metals								
	Non-ferrous								Precious
	Alumina	Refined aluminium	Blister copper (a)	Refined copper	Lead bullion (a) (b)	Refined lead	Refined zinc	Refined tin	Refined silver
	'000 tons				- tons -				'000 f oz
Year -									
1965	199	86,379	73,414	59,956	66,907	193,306	198,988	3,179	8,696
1966	302	90,560	90,487	89,960	74,295	193,128	194,410	3,640	9,034
1967	841	91,326	70,826	66,093	101,167	190,863	194,471	3,594	9,770
1968	1,290	95,814	91,536	83,795	116,638	175,232	205,482	3,692	9,426
Month -									
1967 October	) (	7,407	5,977	6,520	8,563	16,159	16,269	271	680
November	) 296 (	7,144	7,576	5,948	6,237	17,092	15,666	569	819
December	) (	7,066	4,544	4,507	6,444	15,059	13,755	337	770
1968 January	) (	7,350	4,823	4,326	7,437	15,206	15,756	300	753
February	) 287 (	6,819	5,855	4,193	6,793	14,091	13,854	327	640
March	) (	7,145	6,977	5,383	8,596	16,381	14,887	251	833
April	) (	6,965	6,501	7,091	8,972	18,373	15,816	280	896
May	) 300 (	7,131	6,080	8,036	10,483	13,123	14,987	304	882
June	) (	7,227	7,360	8,795	8,830	12,773	15,074	273	857
July	) (	8,076	7,764	6,767	10,605	12,123	19,025	208	742
August	) 323 (	8,393	10,511	7,551	11,795	13,125	19,084	316	768
September	) (	8,570	9,502	7,445	10,426	14,097	19,323	388	662
October	) (	9,341	8,945	9,438	10,428	17,145	18,507	314	825
November	) 380 (	9,211	8,788	8,559	11,604	14,765	18,015	292	800
December	) (	9,586	8,430	6,211	10,669	14,030	21,154	439	769
1969 January			8,197	6,669	11,123	15,479	17,330		821

(a) Metallic content. (b) Lead bullion for export.

TABLE 4. - PRODUCTION OF PRINCIPAL MANUFACTURED PRODUCTS OF MINERAL ORIGIN, AUSTRALIA - continued

Period		Metals - continued										
		Precious - continued - refined gold					Ferrous					
		Australian origin		Overseas origin		Iron ore pellets (c)	Pig iron	Steel ingots (a)		Blooms and slabs	Tinplate	
		Newly-won		From scrap	Newly-won			From scrap	Original			Seasonally adjusted (d)
		Quantity	Value (b)									
		f oz	\$'000	- f oz -		- '000 tons -					tons	
Year -												
1965		820,491	25,769	24,449	148,240	194	..	4,184	5,373	..	4,783	237,995
1966		788,574	24,787	21,195	133,208	..	..	4,667	5,797	..	5,024	251,761
1967		672,171	21,138	27,276	136,389	727	..	4,977	6,167	..	5,360	271,339
1968		639,327	22,270	13,460	126,178	349	2,951	5,483	6,399	..	5,589	233,651
Month -												
1967 December		48,487	1,516	1,959	16,646	179	..	435	542	527	457	23,994
1968 January		42,109	1,327	1,435	11,409	..	(e)	445	524	520	456	21,672
February		46,031	1,513	796	10,523	..	(e)	420	477	515	416	18,869
March		52,762	1,799	1,293	10,115	..	(e)	460	546	554	470	17,211
April		52,712	2,033	1,152	r 6,422	..	(e)	442	528	574	448	10,608
May		50,692	1,584	1,066	r 9,837	..	(e)	466	549	539	479	14,824
June		67,333	2,229	375	r14,419	..	(e)	435	503	512	445	15,866
July		63,994	2,249	776	r 8,680	..	297	412	495	478	471	18,052
August		49,938	1,905	1,486	r 8,991	13	346	450	550	517	481	20,020
September		51,391	1,923	1,749	r 9,334	53	328	455	537	518	461	22,179
October		49,857	1,675	1,079	r10,587	81	440	497	565	561	494	22,059
November		66,869	2,309	1,075	15,011	173	428	487	534	527	465	21,952
December		45,639	1,724	1,178	10,850	29	368	514	591	569	503	24,339
1969 January		42,198	1,836	999	12,061	20	479	510	579	572	487	22,602

(a) Includes recovery from scrap. (b) 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. (c) Gross wet weight. (d) See explanatory notes, paragraph 5, page 4. (e) Not available for publication.

TABLE 4. - PRODUCTION OF PRINCIPAL MANUFACTURED PRODUCTS OF MINERAL ORIGIN, AUSTRALIA - continued

Period	Fuels						Building materials and chemicals				
	Petroleum products				Coal products		Building materials			Chemicals	
	Motor spirit	Automotive distillate	Furnace fuel	Industrial diesel fuel	Metal-lurgical coke	Brown coal briquettes	Portland cement		Asbestos cement sheets - non-acoustic	Sulphuric acid	Super-phosphate (b)
							Original	Seasonally adjusted (a)			
	Mil. gal								'000 sq yd		- '000 tons -
Year -											
1965	1,522	1,697	5,070	912	3,186	1,903	3,752	..	n.a.	1,684	3,725
1966	1,622	2,019	5,527	852	3,183	1,857	3,626	..	n.a.	1,904	4,443
1967	1,836	2,206	5,937	949	3,637	1,844	3,769	..	33,289	1,993	4,566
1968	1,960	2,473	6,517	996	3,893	1,552	3,868	..	38,281	1,860	4,174
Month -											
1967 Dec.	165	233	501	81.3	311	105	277	307	3,020	162	364
1968 Jan.	177	207	571	57.9	309	106	240	317	1,897	164	437
Feb.	154	182	440	85.2	291	127	312	324	3,316	165	415
March	156	219	500	56.2	310	137	329	323	3,307	156	348
April	149	190	537	77.8	300	125	296	291	2,916	171	384
May	169	216	555	83.1	313	136	347	317	3,562	165	390
June	146	200	499	81.1	300	156	314	317	3,449	126	256
July	162	187	596	93.8	315	153	341	323	3,410	119	244
Aug.	171	188	575	93.0	360	158	344	325	3,353	150	345
Sept.	157	210	579	97.6	343	135	345	334	3,253	174	368
Oct.	181	220	595	103.5	355	119	366	334	3,512	165	351
Nov.	155	245	527	82.6	345	118	349	338	3,514	140	298
Dec.	183	209	543	83.7	352	82	285	315	2,792	164	338
1969 Jan.	165	206	530	66.3	346	70	253	335	1,398	156	310

(a) See explanatory notes, paragraph 5, page 4. (b) Includes double and triple superphosphate and ammonium phosphate, expressed in terms of single superphosphate, i.e. 22% P_2O_5 equivalent.

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

Commodity (a)		Quantity				Value (\$'000)				
		1966	1967	1968	December 1968	1966	1967	1968	December 1968	
METALLIC MINERALS AND METALS (b)										
Non-ferrous -										
Aluminium -										
Refined (c)	tons	16,210	10,501	5,570	266	7,050	4,926	2,750	138	
Copper -										
Conc.	tons	47,455	44,830	36,500	4,659	9,603	9,526	8,515	1,152	
Blister	"	6,538	6,893	7,061	842	10,787	8,627	9,459	1,061	
Refined	"	7,484	9,325	16,419	350	9,050	8,975	16,762	359	
Lead -										
Conc.	tons	109,134	124,016	121,121	15,174	19,386	23,166	23,636	2,890	
Bullion	"	79,534	100,394	107,325	17,451	21,901	26,901	34,456	5,691	
Refined	"	159,504	147,558	137,610	11,753	37,786	30,282	28,440	2,516	
Zinc -										
Conc.	tons	226,561	289,742	313,091	27,189	15,442	19,878	21,160	1,651	
Refined	"	120,759	96,471	96,667	12,611	31,069	23,562	22,606	2,978	
Tin -										
Conc.	tons	2,605	3,330	4,593	857	3,574	4,388	6,342	1,125	
Manganese ore		tons	141,934	314,762	427,515	23,901	3,370	6,933	8,270	420
Ferrous and alloy -										
Iron ore -										
Pellets	'000 tons	2,012	9,017	16,068	431	16,863	75,372	139,800	4,601	
Fines	"				124				815	
Lump	"				919				7,856	

- (a) The Australian Export Commodity Classification for each commodity in this table is shown in Appendix A on page 23.
 (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 6. (c) In addition to refined aluminium, significant quantities of alumina and bauxite are exported, but details are not available for publication.

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

Commodity (a)	Quantity				Value (\$'000)			
	1966	1967	1968	December 1968	1966	1967	1968	December 1968
Ferrous and alloy - continued -								
Pig iron tons	95,590	149,587	242,917	16,255	3,870	6,169	8,931	628
Steel ingots, blooms (c) tons	347,842	398,635	478,494	19,991	19,805	23,719	27,484	1,128
Tungsten - Scheelite conc. tons	1,295	1,239	1,460	230	2,842	3,316	3,593	608
Wolfram conc. "	520	399	445	17	1,261	1,096	1,208	43
Mineral sands - Ilmenite conc. (d) tons	356,462	384,300	381,806	27,639	3,721	3,896	3,908	291
Rutile conc. "	231,289	258,791	281,059	19,865	17,844	19,692	21,856	1,603
Zircon conc. "	210,428	247,179	267,708	23,503	8,978	10,720	11,045	971
Precious - Gold -								
Refined f oz	752,782	537,922	385,761	43,727	23,583	16,942	13,118	1,640
In unrefined bullion (e) "	253	1,183	1,450	..	7	37	54	..
Silver - Refined '000 f oz	346	5,249	15,813	797	404	7,173	31,736	1,405
FUEL MINERALS								
Black coal '000 tons	8,241	9,250	12,080	1,276	66,487	76,203	103,118	10,651

(a) See footnote (a) on previous page. (b) Except for unrefined gold bullion, quantities shown for metallic minerals are gross quantities, not metallic contents. Principal metallic contents of selected ores and concentrates exported are shown in Table 6. (c) Includes billets and coils for re-rolling. (d) Includes leucosene. (e) Gold content.

TABLE 6. - PRINCIPAL METALLIC CONTENTS OF SELECTED ORES AND CONCENTRATES EXPORTED, AUSTRALIA (a)

Particulars	Estimated metallic contents									
	Copper	Lead	Zinc	Tin	Tungstic oxide	Bismuth	Iron	Manganese	Gold	Silver
	- tons -								- f oz -	
Year -										
1966	21,888	164,656	128,013	1,326	1,240	..	n.a.	n.a.	159,697	8,298,156
1967	r21,041	r193,609	r165,640	r1,662	r1,135	..	r5,838,827	r150,214	r131,749	r10,106,333
January to November -										
1967	18,299	178,019	146,321	1,491	1,061	..	5,245,987	122,971	112,996	9,029,814
1968	18,013	165,531	157,381	2,183	1,151	14	9,460,113	182,576	98,253	9,544,652
November -										
1967	1,688	25,863	12,245	190	158	..	589,293	16,351	10,271	1,314,667
1968	2,398	12,661	19,624	303	82	7	1,147,118	9,637	11,075	828,924
November 1968 -										
Copper concentrate	1,523	..	..	..	..	..	..	..	1,462	20,388
Blister copper	663	..	..	..	..	..	..	..	5,761	2,831
Copper matte, slags, etc.	59	334	..	..	..	..	..	..	..	18,884
Lead concentrate	145	4,605	575	..	..	..	..	..	..	203,409
Lead-silver bullion	..	7,449	..	..	..	..	..	..	..	573,230
Lead slags and residues	..	23	..	3	..	..	..	..	..	..
Zinc concentrate	..	250	18,726	..	..	..	..	..	..	9,982
Zinc slags and residues	..	..	323	..	..	..	..	..	..	..
Tin concentrate	..	..	..	300	..	..	..	..	..	..
Wolfram concentrate	..	..	..	..	24	..	..	..	..	..
Scheelite concentrate	..	..	..	..	58	..	..	..	..	..
Bismuth concentrate	8	..	..	..	..	7	..	..	1,175	200
Iron ore	..	..	..	..	..	..	1,147,118	..	..	..
Manganese ore	..	..	..	..	..	..	..	9,637	..	..
Total November 1968	2,398	12,661	19,624	303	82	7	1,147,118	9,637	11,075	828,924

(a) Details of metallic contents for December 1968 for which quantities and values are shown in Table 5 are not yet available.

TABLE 7. - IMPORTS OF SELECTED MINERALS AND MINERAL PRODUCTS, AUSTRALIA

Commodity (a)		Quantity				Value (\$'000)			
		1966	1967	1968	December 1968	1966	1967	1968	December 1968
METALS									
Gold -									
Unrefined bullion (b)	f oz	128,099	128,127	122,758	17,009	4,003	4,019	4,133	612
Refined forms	"	3,021	5,505	4,869	76	106	184	165	3
Tin, refined	tons	203	693	159	10	661	2,066	448	29
Nickel (pigs, anodes, etc.)	tons	973	1,536	1,849	199	1,585	3,068	3,900	378
Ferro-alloys	tons	20,019	23,491	23,986	2,133	4,496	6,690	6,441	413
FUEL MINERALS									
Petroleum crude (c)	mil. gal	4,616	5,038	5,155	351	201,922	210,984	212,937	14,525
NON-METALLIC MINERALS									
Asbestos	short tons	55,152	52,584	66,651	6,544	6,437	6,435	8,318	862
Phosphate rock	'000 tons	3,286	3,265	3,431	219	27,479	30,355	34,140	2,197
Sulphur	tons	434,045	513,962	548,420	20,977	11,930	17,296	21,790	933
Potassium Fertilisers	tons	90,266	114,068	135,880	3,040	2,968	3,743	3,571	74
Industrial diamonds	carats	445,616	525,053	672,364	63,449	1,696	1,980	2,725	259

(a) The Australian Import Commodity Classification for each commodity in this table is shown in Appendix A on page 24.

(b) Gold content. (c) Includes enriched crudes and other refinery feedstock.

TABLE 8. - EXPORTS AND IMPORTS OF GOLD, AUSTRALIA
(fine ounces)

	1966	1967	1968	December 1968
<u>EXPORTS (a)</u>				
Gold in ores, concentrates, blister copper, etc.-				
Country of consignment - Japan	135,873	110,457	84,501	14,217
U.S.A.	23,771	16,064	22,309	2,645
Other	53	5,228	6,764	..
<u>Total gold in ores, concentrates, etc.</u>	159,697	131,749	113,574	16,862
Gold in unrefined bullion	253	1,183	1,450	..
Refined forms -				
Country of consignment - Hong Kong	740,095	528,292	358,279	43,194
New Zealand	8,011	9,399	3,951	488
Fiji	196	231	290	45
Other	4,480	..	23,241	..
<u>Total refined forms</u>	752,782	537,922	385,761	43,727
<u>TOTAL EXPORTS</u>	912,732	670,854	500,785	60,589
State of final shipment - New South Wales	751,401	537,550	385,970	43,388
Victoria	1,634	1,555	1,241	339
Queensland	112,483	92,044	62,785	7,414
South Australia	21,968	18,208	21,882	6,803
Western Australia	1,491	..	..	..
Tasmania	23,740	21,497	28,907	2,645
Northern Territory	15	..	..	..
<u>IMPORTS (b)</u>				
Gold in unrefined bullion -				
Country of origin - Fiji	104,956	104,896	102,601	15,175
Papua and New Guinea	23,079	23,211	20,157	1,834
Other	64	20	..	..
<u>Total</u>	128,099	128,127	122,758	17,009
Refined forms	3,021	5,505	4,869	76
<u>TOTAL IMPORTS</u>	131,120	133,632	127,627	17,085
Importing state - New South Wales	128,751	128,900	123,057	17,050
Western Australia	2,369	4,732	4,570	35

(a) Excludes specie, leaf and foil. (b) Excludes specie, leaf and foil and gold in minor minerals.

TABLE 9. - AVERAGE DAILY PRICES OF SELECTED METALS, AUSTRALIAN AND OVERSEAS MARKETS (a)

Period	Copper		Lead			Zinc			
	Aust. (\$A-ton)	L.M.E. (£Stg-ton)	Aust. (\$A-ton)	L.M.E. (£Stg-ton)	U.S.A. (US c-lb)	Aust. (\$A-ton)	L.M.E. (£Stg-ton)	Prod. (£Stg-ton)	U.S.A. (US c-lb)
	1	2	3	4	5	6	7	8	9
Year -									
1965	985.1	468.8	281.1	115.0	16.00	286.0	112.9	110.0	14.50
1966	960.4	553.7	248.8	95.2	15.12	270.5	102.0	103.8	14.50
1967	1,043.0	404.0	217.5	83.8	14.00	260.7	100.5	101.8	13.86
1968	1,117.2	525.3	218.6	101.8	13.86	262.0	111.2	114.3	13.50
Highest 1968	1,350.0	816.3	230.0	108.9	14.00	264.0	116.4	114.3	13.50
Lowest 1968	1,000.0	432.3	210.0	91.3	12.50	256.0	107.3	114.3	13.50
Month -									
1967 December	1,250.0	560.1	210.0	94.2	14.00	256.0	112.7	114.3	13.50
1968 January	1,250.0	595.8	210.0	92.8	14.00	256.0	111.4	114.3	13.50
February	1,292.9	727.3	210.0	96.4	14.00	256.0	110.0	114.3	13.50
March	1,350.0	719.3	210.0	99.1	14.00	256.0	109.1	114.3	13.50
April	1,282.5	530.8	210.0	99.4	14.00	264.0	109.2	114.3	13.50
May	1,100.0	463.8	210.0	100.5	13.04	264.0	110.0	114.3	13.50
June	1,000.0	480.4	210.0	100.9	13.00	264.0	110.9	114.3	13.50
July	1,000.0	446.0	212.6	104.6	12.50	264.0	112.4	114.3	13.50
August	1,000.0	447.1	230.0	105.8	12.50	264.0	113.7	114.3	13.50
September	1,015.2	469.7	230.0	106.4	12.50	264.0	111.3	114.3	13.50
October	1,025.9	456.9	230.0	104.8	12.80	264.0	110.6	114.3	13.50
November	1,012.3	465.3	230.0	105.1	13.00	264.0	111.7	114.3	13.50
December	1,077.4	501.3	230.0	105.9	13.00	264.0	113.8	114.3	13.50

(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 B.

TABLE 9. - AVERAGE DAILY PRICES OF SELECTED METALS, AUSTRALIAN AND OVERSEAS MARKETS (a) - continued

Period	Aluminium		Tin			Nickel, U.K. (£Stg-ton)	Gold			Silver, U.K. (dStg-f oz)
	Aust. (\$A-ton)	U.S.A. (US c-lb)	Aust. (\$A-ton)	L.M.E. (£Stg-ton)	Straits (\$Mal- picul)		Premium markets (\$A-f oz)		U.K. (£Stg-f oz)	
							Australia	Overseas		
Year -	10	11	12	13	14	15	16	17	18	19
1965	516.7	24.5	3,628.9	1,412.7	702.8	642	..	31.44	12.56	111.6
1966	520.0	24.5	3,347.1	1,295.8	645.3	652	..	31.43	12.59	111.8
1967	520.0	25.0	3,113.7	1,222.9	600.1	737	..	31.51	12.84	142.0
1968	529.8	25.5	2,955.3	1,323.7	565.5	902	35.61	34.43	(b)	219.5
Highest 1968	538.0	26.0	3,321.0	1,455.0	639.0	902	36.65	37.03	(b)	259.0
Lowest 1968	520.0	25.0	2,860.0	1,288.5	546.8	902	34.96	31.38	(b)	185.0
Month -										
1967 December	520.0	25.0	3,032.8	1,351.4	581.5	902	..	31.55	(c)14.62	209.3
1968 January	520.0	25.0	2,937.9	1,323.1	561.6	902	..	(d)	14.60	208.4
February	520.0	25.0	2,911.8	1,316.7	558.3	902	..	31.38	14.60	198.9
March	520.0	25.0	2,930.6	1,317.5	561.3	902	..	32.84	(e)14.68	225.1
April	520.0	25.0	2,920.6	1,314.9	559.4	902	..	34.64	(f)37.86	225.4
May	520.0	25.0	2,918.9	1,305.8	558.8	902	(g)36.18	37.03	40.70	242.3
June	531.1	25.8	2,911.6	1,306.0	556.4	902	36.65	(d)	41.14	249.3
July	538.0	25.7	2,901.1	1,301.7	554.2	902	35.10	33.36	39.47	236.7
August	538.0	25.5	2,873.4	1,296.7	549.2	902	34.98	34.59	39.19	221.8
September	538.0	26.0	2,933.0	1,300.0	562.3	902	35.89	35.73	40.19	223.7
October	538.0	26.0	2,975.4	1,316.9	571.1	902	34.96	r34.97	39.21	199.7
November	538.0	26.0	3,166.8	1,405.4	605.8	902	35.56	(d)	39.78	203.6
December	538.0	26.0	3,083.1	1,379.5	588.3	902	(h)36.08	(i)36.40	41.14	199.3

(a) See footnote (a) on previous page. (b) See footnotes (e) and (f) below. (c) Following devaluation of sterling on 18 November 1967, the sterling equivalent of the United Kingdom official price for gold changed from £Stg 12.50 to £Stg 14.58. (d) No gold sales reported. (e) The London Gold Market closed on 14 March 1968 and re-opened on 1 April for transactions in non-monetary gold only. (f) From 1 April quoted in \$U.S. per fine ounce. (g) Prior to May 1968 there was no Australian premium market. (h) The quantity sold was 15,125 fine ounces valued at \$545,740. (i) The quantity sold was 31,958 fine ounces valued at \$1,163,421.

TABLE 10. - PRICES OF SELECTED ORES AND CONCENTRATES, AUSTRALIAN AND OVERSEAS MARKETS (a)

Period	Tin, (b) Aust. (\$A - 1tu)	Wolfram, (c) U.K. (£Stg - 1tu)	Rutile (c)		Ilmenite (c)		Zircon (c)	
	20	21	Aust. (\$A - ton)	U.K. (£Stg - ton)	Aust. (\$A - ton)	U.K. (£Stg - ton)	Aust. (\$A - ton)	U.K. (£Stg - ton)
Year -			22	23	24	25	26	27
1965	31.45	9.38-12.88	78-90	37.00-43.50	8-10	7.00-7.25	34-62	19.50-31.00
1966	29.07	12.75-18.38	86-96	42.00-45.50	8-10	7.00-7.25	47-58	25.25-30.00
1967	26.80	15.75-20.88	92-96	43.00-49.25	8-10	7.00-7.25	46-51	25.00-30.00
1968	25.09	14.75-22.00	88-92	48.00-50.50	9-10	7.00-9.50	46-50	26.75-30.00
Highest 1968	26.59	22.00	92	50.50	10	9.50	50	30.00
Lowest 1968	24.48	14.75	88	48.00	9	7.00	46	26.75
Month -								
1967 December	25.94	20.13-20.88	92-96	47.88-49.25	9-10	7.00-7.25	46-50	28.00-30.00
1968 January	25.41	20.38-21.13	88-92	48.00-50.00	9-10	7.00-7.25	46-50	29.00-30.00
February	25.41	19.88-21.38	88-92	48.00-50.00	9-10	7.50-9.50	46-50	28.50-30.00
March	24.65	20.13-21.13	88-92	48.00-50.00	9-10	7.50-9.50	46-50	28.50-30.00
April	24.70	16.63-17.13	88-92	48.00-50.00	9-10	7.50-9.50	46-50	28.50-30.00
May	24.76	14.75-15.75	88-92	48.00-50.00	9-10	7.50-9.50	46-50	28.50-30.00
June	24.80	16.00-17.25	88-92	48.50-50.50	9-10	7.50-9.50	46-50	28.50-30.00
July	24.76	18.25-19.50	88-92	48.50-50.50	9-10	7.50-9.50	46-50	28.50-30.00
August	24.48	19.75-20.75	88-92	48.50-50.50	9-10	7.50-9.50	46-50	28.50-30.00
September	24.59	19.75-20.75	88-92	48.50-50.50	9-10	7.50-9.50	46-50	27.25-28.75
October	25.20	18.50-19.50	88-92	48.50-50.50	9-10	7.50-9.50	46-50	27.25-28.75
November	26.59	18.00-19.00	88-92	48.50-50.50	9-10	7.50-9.50	46-50	27.25-28.75
December	25.74	21.38-22.00	88-92	48.50-50.50	9-10	7.50-9.50	46-50	26.75-28.25

(a) The numerals shown at the head of each column are reference numbers which relate to the detailed price specifications set out in Appendix B. (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.

TABLE 11. - WHOLESALE AND EXPORT PRICE INDEXES, AUSTRALIA (a)

Period	Wholesale Price (Basic Materials and Foodstuffs) Index (Base: Average of three years ended June 1939=100)			Export Price Index (Base: Year 1959-60=100)		
	Metals and coal	Metals	Total basic materials	Metals and coal	Gold	All groups
Year -						
1965	394	485	349	122	101	103
1966	392	484	361	122	101	108
1967	396	495	360	116	101	102
1968	398	498	364	121	109	101
Month -						
1967 December	398	501	360	123	101	99
1968 January	398	502	361	119	101	98
February	398	502	362	122	101	101
March	399	504	363	125	100	101
April	400	507	364	125	105	101
May	399	504	364	119	111	100
June	396	495	364	120	119	101
July	394	491	364	120	119	101
August	395	492	363	118	107	101
September	397	492	364	120	111	102
October	400	493	367	120	114	104
November	403	496	368	119	112	104
December	402	494	367	121	112	102

(a) See Appendix C for details of the methods of calculating these indexes.

TABLE 12. - COMMONWEALTH GOVERNMENT PAYMENTS TO THE MINERAL INDUSTRY, AND TO THE
MANUFACTURING INDUSTRY FOR PRODUCTS OF MINERAL ORIGIN, AUSTRALIA

(\$'000)

Period	Petroleum exploration (a)	Gold mining (b)	Sulphuric acid production (c)	Phosphate fertiliser production (d)
Year -				
1965	10,413	1,985	2,139	22,605
1966	10,155	3,784	1,398	25,818
1967	10,327	3,859	1,382	25,544
1968	13,805	2,817	1,279	24,907
Month -				
1967 December	992	522	..	869
1968 January	228	410	33	2,420
February	421	180	260	3,057
March	827	415	..	4,302
April	1,429	308	217	3,813
May	2,113	125	209	3,150
June	3,829	425	65	1,735
July	133	9	..	869
August	159	92	150	561
September	719	68	119	809
October	559	203	85	1,344
November	2,928	194	142	1,267
December	460	386	..	1,580

(a) Petroleum Search Subsidy Act 1959-1964. (b) Gold-Mining Industry Assistance Act 1954-1966 and Gold Mines Development Assistance Act 1962 (expired 30 June 1965). (c) Sulphuric Acid Bounty Act 1954-1966. (d) Phosphate Fertilizers Bounty Act 1963-1966.

The Copper Bounty Act 1958-1966 ceased to operate from 31 December 1966. Although the Pyrites Bounty Act 1960-1965 is still operating there have been no payments since February 1967.

TABLE 13. - CHANGES IN STOCKS OF GOLD HELD IN AUSTRALIA

Period	Gold other than specie							Gold specie- net surplus of imports
	Supplies			Disposals			Increase in stocks held in Australia (b)	
	Mine production (a)	Imports	Total	Exports	Net industrial consumption	Total		
	- f oz -							\$A
Year -								
1966	916,985	131,120	1,048,105	912,732	96,045	1,008,777	39,328	33,482
1967	801,009	133,632	934,641	670,854	125,658	796,512	138,129	3,270
1968	796,635	127,627	924,262	500,785	177,072	677,857	246,405	44,286
Month -								
1967 December	64,873	12,625	77,498	61,608	7,321	68,929	8,569	-1,182
1968 January	56,107	14,209	70,316	19,887	3,643	23,530	46,786	1,881
February	57,661	9,406	67,067	33,114	16,752	49,866	17,201	7,552
March	77,124	15,113	92,237	23,970	10,227	34,197	58,040	10,350
April	71,563	8,120	79,683	70,828	4,110	74,938	4,745	12,216
May	67,863	9,112	76,975	44,799	11,492	56,291	20,684	3,958
June	82,468	8,920	91,388	34,974	13,512	48,486	42,902	-7,335
July	63,375	15,416	78,791	21,646	17,378	39,024	39,767	3,596
August	64,764	9,369	74,133	56,234	12,304	68,538	5,595	2,906
September	65,629	4,661	70,290	14,337	17,193	31,530	38,760	2,125
October	72,992	9,773	82,765	38,819	24,158	62,977	19,788	1,585
November	55,249	6,443	61,692	81,588	29,907	111,495	-49,803	1,029
December	61,840	17,085	78,925	60,589	16,396	76,985	1,940	4,423

(a) Gold content of minerals produced. (b) Includes changes in holdings in Australia by official and banking institutions both on their own behalf and that of non-residents together with the gold content of changes in stocks of minerals awaiting refining and export.

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS
CANBERRA, A.C.T. 2600

15 MAY 1969

K.M. ARCHER
COMMONWEALTH STATISTICIAN

NOTE. Inquiries concerning these statistics can be made in Canberra by telephoning 489066 extension 101 or, in each State capital by telephoning the office of the Bureau of Census and Statistics.

APPENDIX AAUSTRALIAN EXPORT COMMODITY CLASSIFICATION (A.E.C.C.) 1968-69 ITEMS INCLUDED IN TABLE 5

<u>Commodity</u>	<u>Statistical item</u>	<u>Description</u>
Non-ferrous -		
Aluminium -		
Refined	684.10.00	Worked aluminium and aluminium alloys
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
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.
Zinc -		
Concentrate	283.50.00	Ores and concentrates of zinc
Refined	686.10.00	Unworked zinc and zinc alloys
Tin -		
Concentrate	283.60.00	Ores and concentrates of tin
Manganese ore	283.70.00	Ores and concentrates of manganese
Ferrous and alloy -		
Iron ore -		
Pellets	281.30.01	Prior to Pellets
Fines	281.30.05	July 1968 Fines
Lump	281.30.09	listed under Other (including lump and run-of mine)
	281.30.00	
Pig iron	(671.10.00	Spiegeleisen
	(671.20.00	Pig iron and cast iron
	(672.40.01	Ingots, blocks, lumps and similar forms of iron or steel
	(672.40.09	Other
	(672.51.00	Blooms, billets, slabs, sheet bars and roughly forged pieces (except of high carbon or alloy steel)
Steel ingots, blooms	(672.54.00	Blooms, billets, slabs, sheet bars and roughly forged pieces of high carbon or alloy steel
	(672.70.01	Stainless steel
	(672.70.09	Other
Tungsten -		
Scheelite conc.	283.92.09	Scheelite
Wolfram conc.	283.92.01	Wolfram
Mineral sands -		
Ilmenite conc.	283.93.10	Ilmenite (including leucoxene)
Rutile conc.	283.93.11	Rutile
Zircon conc.	283.93.21	Zirconium

APPENDIX A - continued

<u>Commodity</u>	<u>Statistical item</u>	<u>Description</u>
Precious -		
Gold -		
Refined	{ 991.00.03	Mint bullion (i.e. in the form
In unrefined	{ 991.00.04	accepted in inter-bank transactions)
bullion	991.00.02	Refined bullion (except mint bullion)
Silver -		
Refined	{ 681.10.01	Unrefined bullion (gold content)
	{ 681.10.09	Mint bullion (i.e. in the form accep-
Black coal	321.40.00	ted in inter-bank transactions)
		Other
		Coal (anthracite, bituminous and sub-
		bituminous)

AUSTRALIAN IMPORT COMMODITY CLASSIFICATION (A.I.C.C.) ITEMS 1968-69 INCLUDED IN TABLE 7

<u>Commodity</u>	<u>Statistical item</u>	<u>Description</u>
Gold -		
Unrefined bullion	991.00.02	Unrefined bullion
Refined forms	{ 991.00.03	Mint bullion (i.e. in the form accep-
	{ 991.00.04	ted in inter-bank transactions)
Tin -		Refined bullion (except mint bullion)
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
	{ 671.40.09	Other
	{ 671.50.02	Ferro-chromium
Ferro alloys	{ 671.50.03	Ferro-molybdenum
	{ 671.50.04	Ferro-nickel
	{ 671.50.05	Ferro-silicon
	{ 671.50.09	Other
Petroleum -	{ 331.01.00	Crude petroleum
Crude	{ 331.02.01	Topped crudes
	{ 331.02.02	Crude petroleum, enriched with a
	{ 331.02.09	distillate from crude petroleum
		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
Phosphate rock	271.30.00	Natural phosphates, whether or not
		ground
Sulphur	{ 274.10.01	In bulk
	{ 274.10.09	Bagged or otherwise packed
Potassium fertilisers	{ 561.30.01	Potassium chloride
	{ 561.30.02	Potassium sulphate
Industrial diamonds	{ 275.10.00	Industrial diamonds
	{ 275.21.01	Diamond dust and powder

APPENDIX BPRICE BASES (TABLES 9 AND 10)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 (22.4 lb)

Currency equivalents

\$A1	is equivalent to \$US 1.12
£stg1	is equivalent to \$A 2.14 ; prior to 18 November 1967 \$A 2.50
\$A1	is equivalent to \$Mal 3.4

Reference
numberParticulars

1. Refined electrolytic copper, ex-smelter Port Kembla; includes allowance for the following surcharges imposed by the Imported Copper Pool -

From 1 January 1965	\$448 per ton
4 May 1965	\$378 per ton
2 August 1965	\$ 56 per ton

The surcharge was eliminated as from 1 October 1965.
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.

APPENDIX B - continued

<u>Reference number</u>	<u>Particulars</u>
10.	Refined aluminium, 99.5%, domestic, 1-20K ingots, c.i.f. capital cities.
11.	Refined aluminium, min. 99.5% domestic, delivered.
12.	Refined tin, domestic, 5 ton lots, ex-works or delivered buyers' premises.
13.	Refined tin, L.M.E. warehouse, mid-day cash price, average of buyers' and sellers' quotes, L.M.E.
14.	Refined tin, ex-works, Penang. (A picul equals 133-1/3 lb.)
15.	Refined nickel, delivered.
16.	*Australian gold sold on Australian premium markets. The Reserve Bank official price is \$31.25 per fine ounce.
17.	Australian gold sold on overseas premium markets. 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 ltu of contained tin, 70% Sn grade, delivered Sydney.
21.	Concentrates, per ltu of WO_3 content, 65% WO_3 grade, standard quality, c.i.f. Europe.
22.	+Concentrates, 95-97% TiO_2 , f.o.b./f.o.r. nominal
23.	Concentrates, 95-97% TiO_2 , Australian origin, c.i.f. Europe.
24.	+Concentrates, 52-54% 4 TiO_2 , f.o.b. Bunbury, nominal.
25.	Concentrates, 52-54% 4 TiO_2 , Malaysian origin, c.i.f. Europe.
26.	+Concentrates, standard grade, minimum 65.2% ZrO_2 , f.o.b./f.o.r. nominal.
27.	Concentrates, 66.-67% ZrO_2 , c.i.f. Europe.

* Prices quoted relate to month in which sales contract was negotiated.

+ These ore and concentrate prices 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.

APPENDIX CPRICE INDEXES (TABLE 11)Wholesale Price Index

1. The base of each index is -
Average of three years ended June 1939 = 100.
2. The metals and coal group is composed of the following commodities -
Aluminium, iron and steel, briquettes, copper wirebars, coal, soft pig lead, tin ingots and zinc ingots.
3. The metals group consists of the metals listed in para. 2 (coal and briquettes are excluded).
4. The total basic materials group includes metals and coal, oils, fats and waxes, textiles, chemicals, rubber and hides, and building materials.
5. The construction of the index is shown and the quantity multipliers (weights) included are listed in Labour Report No. 51, 1964, Chapter II, Wholesale Prices and Price Indexes.

Export Price Index

1. The base of each index is -
Year 1959-60 = 100.
2. The metals and coal group is composed of the following commodities -
Coal, iron and steel, copper, zinc, lead, silver.
3. The all groups index includes wool, meats, dairy produce, cereals, dried and canned fruit, sugar, hides and tallow, metals and coal, and gold.
4. The construction of the index is shown and commodities included are listed with their percentage contribution to the all groups index in Official Year Book, No. 54, 1968, page 274.