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COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, AUSTRALIA

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STATISTICAL BULLETIN : MINERALS AND MINERAL PRODUCTS

DECEMBER 1965 AND YEAR 1965

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 industry. This bulletin also contains preliminary data for the year 1965.

More detailed statistics on various aspects of the mineral industry are contained in The Australian Mineral Industry, Part II - Quarterly Statistics, which is published in conjunction with the Bureau of Mineral Resources. The most recently issued copy of this publication is Vol. 18, No. 2, December 1965, which contains detailed statistics for the June quarter, 1965.

2. Sources of data. - Statistics contained in this bulletin are derived from a variety of sources and the more important of these sources are discussed below.

Table 1. - Mine production of principal minerals

Current statistics in this table are derived mainly from collections carried out by the Commonwealth Bureau of Mineral Resources 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 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 is collected by the Department of Primary Industry.

Tables 3, 4 and 5. - Oversea 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 6 and 7. - Prices

Price data are obtained from a number of sources. Australian prices are derived from information collected and compiled by the Bureau of Mineral Resources. Oversea prices are derived from various authoritative journals, principally the Metal Bulletin.

Table 8. - Wholesale and export price indexes

Data in this table are derived from this Bureau's compilations of price indexes.

Table 9. - Commonwealth Government payments

Data in this table are provided by the various Departments responsible for the administration of the specified Acts.
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3. Revision of data. - Statistics for current months are subject to revision. Revision of data, based on figures derived from the established quarterly compilation of mineral statistics, the annual Census of Mining and Quarrying 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 included in Tables 1-5 are grouped according to conventions generally accepted in the mineral industry.

5. Rounding. - Where figures have been rounded in this publication any discrepancies between totals and sums of components are due to rounding.

6. Symbols used. - For convenience the following symbols are used in this bulletin -

p : preliminary; figure or series subject to revision

r : figures or series revised since previous issue

.. : nil or less than half the final digit shown

n.a. : not available or not available for publication

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

7. Australian currency. - All amounts of Australian currency are shown in decimal currency (1 pound = 2 dollars).

PRODUCTION

Table 1 shows details of mine production of the principal metallic and fuel minerals produced in Australia. The data for the non-ferrous group (except bauxite) and the precious metals group relate to the metallic contents of minerals produced, estimated on the basis of chemical assay data.

For the other metallic minerals (bauxite, the ferrous and alloy group and mineral sands) the quantities shown are the gross output.

TABLE 1. - MINE PRODUCTION OF PRINCIPAL MINERALS : AUSTRALIA

Commodity		1963	1964	1965p				Total 12 months
				Jan. - Sept.	Oct.	Nov.	Dec.	
METALLIC MINERALS								
Non-ferrous -								
Copper in mine products (a)	tons	112,967	r104,050	r59,639	10,083	9,753	10,344	89,819
Lead in mine products (a)	"	410,291	374,856	r261,039	31,767	37,892	24,741	355,439
Zinc in mine products (a)	"	351,470	r344,600	r254,761	31,409	37,297	24,531	347,998
Tin in mine products (a)	"	2,860	3,642	r2,690	323	348	402	3,763
Bauxite	"	354,206	783,900	r849,851	(b)307,439			1,157,290
Ferrous and alloy -								
Iron ore	'000 tons	5,515	5,669	4,823	594	667	530	6,615
Tungsten concentrates	tons	1,352	1,400	r1,173	(b)364			1,537
Precious -								
Gold (a)	'000 f.oz.	1,024	964	r661	75	r66	75	877
Silver (a)	"	19,642	18,427	r12,301	1,465	1,812	1,135	16,713
Mineral sands -								
Rutile concentrates	tons	183,260	182,371	r152,595	(b)62,356			214,951
Ilmenite concentrates	"	200,983	303,628	r325,663	(b)124,056			449,719
Zircon concentrates	"	184,830	184,082	162,705	(b)61,536			224,241
FUEL MINERALS								
Black coal	'000 tons	24,856	27,401	23,154	2,862	2,893	2,446	31,355
Brown coal	"	18,456	19,035	15,601	1,845	1,686	1,546	20,678
Crude petroleum	'000 gals.	..	52,157	65,797	(b)25,784			91,581
Natural gas	'000 c.ft.	95,725	106,490	103,039	(b)40,712			143,751

- (a) Quantities shown are metallic contents of mine products based on chemical assay.
 (b) Data available on a quarterly basis only.

Table 2 shows particulars of the production of certain important manufactured products of mineral origin. Secondary metal is excluded from the metal production statistics except in the case of ingot steel. For blister copper and lead bullion, the figures shown relate to the copper and lead content respectively.

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

Commodity		1963	1964p	1965p				Total 12 months
				Jan. - Sept.	Oct.	Nov.	Dec.	
METALS								
Non-ferrous -								
Refined aluminium	tons	41,263	78,744	64,801	7,163	7,262	7,127	86,378
Blister copper (a)	"	88,492	80,589	48,408	8,088	8,393	9,052	73,941
Refined copper	"	86,115	82,248	41,472	8,238	9,278	8,461	67,449
Lead bullion (for export) (a)	"	80,661	78,304	45,380	7,141	6,895	6,585	66,001
Refined lead	"	224,605	203,100	147,039	15,933	13,861	14,510	191,343
Refined zinc	"	179,777	185,531	149,192	16,476	16,496	16,825	198,989
Refined tin	"	2,626	3,021	2,442	245	300	278	3,265
Ferrous -								
Pig iron	'000 tons	3,630	3,988	3,081	367	379	396	4,222
Steel ingots	"	4,580	5,021	3,960	464	484	505	5,413
Precious -								
Refined gold (b)	'000 f.oz.	958	893	643	58	61	58	820
Refined silver	"	8,871	9,258	6,192	765	762	783	8,502
FUELS								
Coal products -								
Metallurgical coke	'000 tons	2,838	3,042	2,399	269	259	264	3,191
Brown coal briquettes	"	1,887	1,856	1,446	174	167	116	1,903
Petroleum products -								
Motor spirit	mill. gals.	1,315	1,417	1,134	118	132	138	1,522
Furnace fuel	'000 tons	4,712	4,912	3,712	478	475	405	5,070
Automotive distillate	"	1,625	1,613	1,254	140	121	182	1,697
Industrial diesel fuel	"	1,021	848	659	85	93	75	912
BUILDING MATERIALS								
Clay bricks	million	1,118	1,307	1,021	119	123	98	1,361
Portland cement	'000 tons	3,071	3,568	2,796	330	311	305	3,742
Plaster of paris	"	248	270	206	23	25	21	275
Asbestos cement sheets	'000 sq.yds.	28,908	31,065	24,902	3,089	2,837	2,611	33,439
CHEMICALS								
Sulphuric acid	'000 tons	1,323	1,543	1,253	147	124	149	1,673
Caustic soda	tons	60,306	67,184	54,501	5,638	6,952	5,999	73,090
Superphosphate	'000 tons	3,056	3,668	2,781	312	275	357	3,725

(a) Metallic content. (b) Newly-won gold of Australian origin.

OVERSEA TRADE

In tables 3, 4 and 5 particulars are shown of oversea trade in selected minerals and mineral products. All values are expressed in \$A, f.o.b. port of shipment. All statistics of metallic minerals in Table 3 are in terms of gross quantities and not in terms of metallic contents. Available data on metallic contents of minerals exported are given in Table 4.

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

Commodity		1963	1964	1965p				Total 12 months
				Jan. - Sept.	Oct.	Nov.	Dec.	
METALLIC MINERALS AND METALS (a)								
Non-ferrous -								
Aluminium (b) -								
Bauxite	tons	143,339	405,825	422,276	66,736	91,847	29,715	610,574
	\$'000	768	1,908	2,041	292	421	136	2,891
Refined aluminium	tons	5,323	15,128	16,608	3,186	370	1,043	21,207
	\$'000	2,166	6,362	7,134	1,278	166	440	9,017
Copper -								
Concentrates	tons	30,937	47,255	31,125	..	9,794	5,200	46,119
	\$'000	4,102	6,484	4,748	..	1,535	1,062	7,345
Blister copper	tons	464	40	1,667	..	284	164	2,115
	\$'000	240	20	1,993	..	359	231	2,584
Refined copper	tons	24,485	13,817	4,670	2,279	12,560	855	20,364
	\$'000	14,018	8,316	5,748	2,356	12,784	988	21,876
Lead -								
Concentrates	tons	121,983	112,194	77,943	4,312	14,338	11,663	108,256
	\$'000	13,428	17,614	15,311	800	2,614	2,104	20,829
Lead bullion	tons	76,482	76,061	49,675	8,489	8,602	1,900	68,666
	\$'000	13,386	20,094	15,489	2,664	2,607	492	21,252
Refined lead	tons	174,988	156,305	125,339	10,702	8,958	11,546	156,545
	\$'000	26,488	35,094	35,105	2,815	2,405	3,177	43,502
Zinc -								
Concentrates	tons	261,856	224,117	161,628	14,434	24,494	12,390	212,946
	\$'000	8,998	15,684	10,750	951	1,793	835	14,328
Refined zinc	tons	96,775	80,184	68,811	11,724	2,692	3,824	87,051
	\$'000	17,114	21,226	19,114	3,276	751	1,064	24,205
Tin -								
Concentrates	tons	91	457	1,322	104	129	97	1,652
	\$'000	104	762	1,504	129	145	102	1,880
Ferrous and alloy -								
Iron -								
Iron ore	tons	9	12,471	149,683	134	..	6	149,824
	\$'000	..	76	1,238	..	..	..	1,239
Pig iron	tons	132,798	55,940	34,844	4,160	1,909	4,241	45,154
	\$'000	5,290	2,622	1,670	204	93	207	2,174
Steel ingots, blooms	tons	31,909	8,507	9,578	256	73	612	10,519
	\$'000	2,058	528	532	20	5	49	605
Tungsten -								
Scheelite concentrates	tons	739	1,472	1,201	109	70	115	1,495
	\$'000	304	1,110	1,543	166	116	211	2,035
Wolfram concentrates	tons	337	423	293	38	43	43	417
	\$'000	196	404	524	74	104	100	803
Precious -								
Refined gold	'000 f.oz.	472	427	550	65	65	65	745
	\$'000	14,768	13,382	17,125	2,056	2,048	2,036	23,265
Refined silver	'000 f.oz.	1,460	4,549	255	70	12	50	388
	\$'000	1,680	5,334	298	64	14	57	432
Mineral sands -								
Titanium -								
Rutile concentrates	tons	154,508	193,893	165,580	16,299	18,563	19,012	239,454
	\$'000	10,632	14,080	13,370	1,178	1,240	1,346	17,134
Ilmenite concentrates	tons	152,040	246,056	233,277	29,914	40,444	57,083	360,719
	\$'000	1,480	2,328	2,258	306	411	501	3,476
Zirconium -								
Zircon concentrates	tons	179,697	198,664	145,582	26,302	23,154	21,623	216,661
	\$'000	4,354	5,124	4,330	898	843	745	6,816
FUEL MINERALS								
Black coal	'000 tons	3,175	4,806	5,051	717	667	720	7,156
	\$'000	26,674	41,046	43,281	5,900	5,535	5,945	60,661

(a) Quantities shown for metallic minerals are gross quantities not metallic contents.

(b) In addition to bauxite and refined aluminium, significant quantities of alumina are exported but details are not available for publication.

Table 4 shows details for selected metals of the estimated metallic contents of ores and concentrates exported, based on chemical assay data. The metallic contents of intermediate metallurgical products and slags and residues are excluded from this table.

TABLE 4. - PRINCIPAL METALLIC CONTENTS OF ORES AND CONCENTRATES EXPORTED : AUSTRALIA

Particulars	Estimated metallic contents						
	Copper (tons)	Lead (tons)	Zinc (tons)	Tin (tons)	Tungstic oxide (tons)	Gold (f.oz.)	Silver (f.oz.)
1963	9,347	87,606	140,612	49	755	46,561	2,582,317
1964	14,109	74,653	123,845	252	1,333	47,361	2,894,575
1965p -							
Jan.-March	2,892	9,976	33,814	140	265	15,030	524,099
Apr.-June	2,594	26,510	10,620	170	443	11,056	713,724
July-Sept.	1,603	19,114	37,591	201	330	9,256	697,863
Oct.	113	2,870	7,828	38	101	2,209	177,018
Nov.	2,316	10,038	13,550	50	79	6,921	375,677
Dec.	1,378	8,594	8,169	34	110	5,372	242,832
Total -							
12 months 1965	10,896	77,102	111,572	633	1,328	49,844	2,731,213
December 1965 -							
Copper concentrates	1,302	..	..	..	..	4,096	14,360
Lead concentrates	76	8,412	1,793	..	..	1,276	223,654
Zinc concentrates	..	182	6,376	..	..	..	4,818
Tin concentrates	..	..	..	34	..	..	..
Wolfram concentrates	..	..	..	..	32	..	..
Scheelite concentrates	..	..	..	..	78	..	..
TOTAL	1,378	8,594	8,169	34	110	5,372	242,832

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

Commodity		1963	1964	1965p					Total 12 months
				Jan.- Sept.	Oct.	Nov.	Dec.		
METALS									
Refined copper	tons	1,434	10,121	27,539	..	9	..	27,548	
	\$'000	878	7,944	32,093	..	10	..	32,103	
Refined tin	tons	1,751	1,283	1,345	77	25	135	1,582	
	\$'000	3,724	3,798	4,420	285	90	464	5,259	
Nickel - pigs, anodes, etc.	tons	1,641	1,685	1,320	132	165	101	1,718	
	\$'000	2,832	2,844	2,080	212	271	165	2,728	
Ferro-alloys	tons	28,778	19,271	24,564	4,875	1,014	2,158	32,611	
	\$'000	4,976	4,172	5,220	910	309	483	6,922	
FUEL MINERALS									
Crude petroleum (a)	mill. gals.	3,863	3,926	3,176	369	329	368	4,242	
	\$'000	176,446	179,272	144,359	16,909	15,157	16,800	193,225	
NON-METALLIC MINERALS									
Asbestos	short tons	36,628	42,895	37,819	3,348	4,973	5,581	51,721	
	\$'000	4,212	4,872	4,282	346	611	620	5,859	
Phosphate rock	'000 tons	1,762	2,355	1,714	255	181	172	2,322	
	\$'000	10,708	16,236	11,960	1,972	1,470	1,350	16,752	
Sulphur	tons	222,527	376,639	289,533	29,679	28,658	39,998	387,868	
	\$'000	4,304	6,548	5,262	550	615	1,070	7,497	
Industrial diamonds	carats	425,387	477,524	283,422	40,952	26,247	57,666	408,287	
	\$'000	1,418	1,668	848	169	96	196	1,309	
Potassium fertilisers	tons	74,015	106,530	92,284	2,026	6,255	422	100,987	
	\$'000	2,094	3,230	3,099	63	201	17	3,380	

(a) Includes enriched crudes and other refinery feedstock.

PRICES

In Tables 6 and 7 prices are shown for selected metals and minerals in Australia and oversea markets.

TABLE 6. - PRICES OF SELECTED METALS : AUSTRALIAN AND OVERSEA MARKETS

Detail	Price basis (b)	Units	Average daily prices (a)					Jan.-Dec. 1965	
			1963	1964	Oct.	Nov.	Dec.	Lowest	Highest
Aluminium -									
Australia	1	\$A-ton	510.9	502.0	520.0	520.0	520.0	502.0	520.0
United States	2	U.S.c-lb.	22.62	23.74	24.5	24.7	24.5	24.5	25.0
Copper -									
Australia	3	\$A-ton	610.0	717.42	761.42	790.0	790.0	750.0	1128.0
L.M.E.	4	Estg.-ton	234.61	352.1	508.06	532.23	550.06	330.0	569.5
"Producers"	5	Estg.-ton	(c)	248.7	294.11	296.0	298.55	260.0	304.0
Lead -									
Australia	6	\$A-ton	169.2	239.34	250.0	280.0	280.0	250.0	340.0
L.M.E.	7	Estg.-ton	63.4	101.3	111.35	108.55	109.23	95.19	155.75
United States	8	U.S.c-lb.	11.14	13.6	16.0	16.0	16.0	16.0	16.0
Zinc -									
Australia	9	\$A-ton	218.5	288.88	286.0	286.0	286.0	286.0	286.0
L.M.E.	10	Estg.-ton	76.7	118.1	111.65	108.41	109.90	103.88	122.5
"Producers"	11	Estg.-ton	(c)	114.6	110.0	110.0	110.0	110.0	110.0
United States	12	U.S.c-lb.	11.99	13.57	14.5	14.5	14.5	14.5	14.5
Tin -									
Australia	13	\$A-ton	2357.9	3194.0	3762.2	3569.4	3565.53	3154.0	4094.0
L.M.E.	14	Estg.-ton	909.75	1239.4	1455.4	1386.4	1404.41	1191.25	1622.5
Straits	15	\$Mal-picul.	455.4	619.42	727.3	690.5	687.3	608.25	796.38
Nickel -									
United Kingdom	16	Estg.-ton	642.0	642.0	642.0	642.0	642.0	642.0	642.0
Gold -									
Australia	17	\$A-f.oz.	31.250	31.250	31.250	31.250	31.250	31.250	31.250
United Kingdom	18	Estg.-f.oz.	12.528	12.566	12.526	12.524	12.538	12.516	12.613
Silver -									
United Kingdom	19	d.stg.-f.oz.	110.1	111.9	111.01	111.38	111.38	109.75	112.13

(a) Where a daily market does not actually exist for a commodity, daily prices have been imputed from price data which is available. (b) The numerals in the "Price basis" column are reference numbers which relate to detailed price specifications set out in Appendix A. (c) There was no "producers' price" in 1963.

TABLE 7. - PRICES OF SELECTED ORES AND CONCENTRATES : AUSTRALIAN AND OVERSEA MARKETS

Detail	Price basis (b)	Units	Buyers' quotations (a)					Jan.-Dec. 1965	
			1963	1964	Oct. 1965	Nov. 1965	Dec. 1965	Lowest	Highest
Tin -									
Australia	20	\$A-l.t.u.	18.9	23.0	34.44	32.52	31.60	27.3	36.3
Wolfram -									
United Kingdom	21	Estg.-l.t.u.	3.15-3.45	5.35-5.60	11.30-11.55	11.65-12.05	12.38-12.88	5.75-6.50	13.0-13.5
Rutile -									
Australia	22	\$A-ton	70-72	78-82	82-88	82-88	86-90	78-82	86-90
United Kingdom	23	Estg.-ton	37-37.5	37-38	40.5-42.0	40.50-42.0	42.0-43.5	37-38	42.0-43.5
Ilmenite -									
Australia	24	\$A-ton	8	8	8-10	8-10	8-10	8-10	8-10
United Kingdom	25	Estg.-ton	7-7.25	7-7.25	7-7.25	7-7.25	7-7.25	7-7.25	7-7.25
Zircon -									
Australia	26	\$A-ton	24	24	58-62	58-62	50-58	34-36	58-62
United Kingdom	27	Estg.-ton	15.5-17	15.5-17	29-31	29-31	28-30	15.5-17	29.31

(a) Prices refer to the first trading day of the period indicated. (b) See footnote (b) to Table 6.

Price indexes relevant to the Australian mineral industry are shown in Table 8. Brief notes on these indexes are given in Appendix B.

TABLE 8. - WHOLESALE AND EXPORT PRICE INDEXES : AUSTRALIA

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
1963	386	433	337	94	100	109
1964	384	455	342	114	100	112
1965	p393	485	p349	p122	101	p103
1965 -						
January	392	490	345	124	101	102
February	394	490	346	128	101	103
March	396	493	346	129	101	101
April	398	494	347	127	101	101
May	398	493	347	122	101	101
June	396	494	346	117	101	p100
July	394	490	347	117	101	p102
August	392	476	347	117	101	p102
September	393	477	352	118	101	p103
October	389	473	354	120	100	p106
November	390	475	355	120	100	p107
December	p388	475	p354	p122	100	p108

GOVERNMENT PAYMENTS

Details of Commonwealth Government assistance to the mineral industry are given on pages 1132-1137 of Official Year Book, No. 51. Table 9 below shows payments by the Commonwealth Government under specified Acts of Parliament to mining and mineral processing industries in Australia.

TABLE 9. - COMMONWEALTH GOVERNMENT PAYMENTS TO THE MINERAL INDUSTRY : AUSTRALIA
(£)

Period	Petroleum exploration	Gold mining	Copper mining	Pyrites mining	Sulphuric acid production	Phosphate fertilizer production
	(a)	(b)	(c)	(d)	(e)	(f)
1962	5,930,752	1,351,394	1,372,868	686,680	1,865,314	..
1963	10,519,208	1,614,600	1,297,704	960,334	2,590,248	1,908,252
1964	9,121,910	1,382,124	1,065,782	1,320,668	2,046,542	22,772,978
1965 -						
Jan.-Sept.	7,531,638	1,232,064	5,262	847,554	1,392,418	19,841,362
Oct.	943,470	270,564	..	..	215,166	810,952
Nov.	843,386	458,620	..	212,496	489,970	747,724
Dec.	1,094,348	23,718	..	53,914	41,360	1,204,524
Total -						
12 months						
1965	10,412,842	1,984,966	5,262	1,113,964	2,138,914	22,604,562

(a) Petroleum Search Subsidy Act 1959-1964. (b) Gold-Mining Industry Assistance Act 1954-65 and Gold Mines Development Assistance Act 1962 (expired 30th June, 1965). (c) Copper Bounty Act 1958-1965. (d) Pyrites Bounty Act 1960-1965. (e) Sulphuric Acid Bounty Act 1954-1965. (f) Phosphate Fertilizers Bounty Act 1963.

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COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

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NOTE. - Inquiries concerning these statistics may be made in Canberra by telephoning 41971, extension 60 or, in each State capital, by telephoning the office of the Bureau of Census and Statistics.

APPENDIX A : PRICE BASES (TABLES 6 AND 7)Reference
number

1. Refined aluminium, 99.5%, domestic, 1-20K ingots, c.i.f. capital cities.
2. Refined aluminium, min. 99.5%, domestic, delivered.
3. Refined electrolytic copper, ex smelter Port Kembla; includes allowance for the following surcharges imposed by the Imported Copper Pool -

From 1 July, 1964	\$ 56 per ton
1 October, 1964	\$112 per ton
20 November, 1964	\$280 per ton
1 January, 1965	\$448 per ton
4 May, 1965	\$378 per ton
2 August, 1965	\$ 56 per ton

The surcharge was eliminated as from 1st October, 1965.
4. Refined electrolytic copper wirebars, London Metal Exchange (L.M.E.) warehouse, mid-day cash price, average of buyers and sellers' quotes, London Metal Exchange.
5. Refined electrolytic copper wirebars, c.i.f. Europe, Zambian producers' price.
6. Refined soft pig lead, f.o.b. Port Pirie.
7. Refined soft pig lead, L.M.E. warehouse, mid-day cash price, average of buyers and sellers' quotes, London Metal Exchange.
8. Refined soft pig lead, ex-warehouse, mid-day New York.
9. Zinc, good ordinary brand (g.o.b.) grade, f.o.r. Cockle Creek.
10. Zinc, g.o.b. grade, L.M.E. warehouse, mid-day cash price, average of buyers and sellers' quotes, London Metal Exchange.
11. Zinc, g.o.b. grade, producers' base price.
12. Zinc, Prime Western (g.o.b.) grade, delivered New York.
13. Refined tin, domestic, 5 ton lots, ex-works or delivered buyer's premises.
14. Refined tin, L.M.E. warehouse, mid-day cash price, average of buyers and sellers' quotes, London Metal Exchange.
15. Refined tin, ex-works, Penang. (A picul is 133-1/3 lb.).
16. Refined nickel, delivered.
17. Reserve Bank official price.
18. Refined gold, spot, London open market.
19. Refined silver, spot, London.
20. Concentrates, per long ton unit (1.t.u.) of contained tin, 70% Sn grade, delivered Sydney.
21. Concentrates, per long ton unit of WO_3 content, 65% WO_3 grade, standard quality, c.i.f. Europe.
22. Concentrates, 95-97% TiO_2 , f.o.b. nominal.

23. Concentrates, 95-97% TiO_2 , Australian origin, c.i.f. Europe.
24. Concentrates, 52-54% TiO_2 , f.o.b. Bunbury, nominal.
25. Concentrates, 52-54% TiO_2 , Malaysian origin, c.i.f. Europe.
26. Concentrates, standard grade, minimum 65.2% ZrO_2 , f.o.b. nominal.
27. Concentrates, 66-67% ZrO_2 , c.i.f. Europe.

Note : \$A1 is equivalent to \$U.S.1.12

Estg.1 is equivalent to \$A.2.50.

\$A1 is equivalent to \$M.3.4

APPENDIX B : PRICE INDEXES (TABLE 8)

Wholesale Price Index

1. The base of each index is -
Average of three years ending June 1939 = 100.
2. The metals and coal group is composed of the following commodities -
Aluminium, iron and steel, briquettes, copper wire bars, 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 the latest issue of the Labour Report published by this Bureau (No. 50, 1962 and 1963 - See 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 fruits, 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 Yearbook No. 51, 1965, p. 421.