



PRODUCTION BULLETIN NO. 8 : MISCELLANEOUS PRODUCTS AUSTRALIA, SEPTEMBER 1983

- PHONE INQUIRIES** *for more information about these statistics—contact Sue Gumphrich on Canberra (062) 52 5558 or any of our State offices.*
- other inquiries including copies of publications—contact Information Services on Canberra (062) 52 6627 or in any of our State offices.*
- MAIL INQUIRIES** *write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any of our State offices.*

EXPLANATORY NOTES

Introduction

This publication is one of a series of eight containing monthly and quarterly production statistics. The titles of the other publications of this series are shown in paragraph 7 below.

2. Data contained in these publications are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Where another authority is the source this is indicated in a footnote.

Classification

3. Most items are identified by Commodity Codes of the Commodity Classification used in Australian manufacturing statistics. However, in cases where data are derived from sources other than ABS collections no commodity code is shown. Furthermore, combinations of commodities are arranged so as to align production data with import and export commodity items in accordance with the Australian Standard Commodity Classification (ASCC). For further information regarding the ASCC, see the ABS publication *Australian Standard Commodity Classification, Part I, Introduction, Summary Classification and Commodity Keys* (1207.0).

Scope and coverage

4. Production statistics collected by the ABS exclude production by single establishment manufacturing enterprises employing less than four persons and production of establishments predominantly engaged in non-manufacturing activities but which may carry on, in a minor way, some manufacturing. However, except for a few commodities the effect on production levels and movements is marginal.

5. Annual figures shown are derived by aggregating monthly/quarterly production and relate to production during the year ended 30 June. They may differ from annual manufacturing census data which relate to the census year and, in the case of businesses unable to report on a June year basis include details in respect of substitute accounting periods.

Seasonal adjustment

6. This publication contains seasonally adjusted statistics of several items. In the seasonal adjustment, account has been taken not only of normal seasonal factors but also of 'trading-day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays etc. in the month) and the influence of Easter and Australia Day

which may, in successive years, affect figures for different months. Details of the methods used in seasonally adjusting these and other series are given in *Seasonally Adjusted Indicators, Australia* (1308.0).

Related publications

7. Other ABS publications which may be of interest are:

Production Bulletin No. 1 : Electrical Appliances, Australia (8357.0)—issued monthly

Production Bulletin No. 2 : Clothing and Footwear, Australia (8358.0)—issued monthly

Production Bulletin No. 3 : Food, Drink and Tobacco, Australia (8359.0)—issued monthly

Production Bulletin No. 4 : Textiles, Bedding and Floor Coverings, Australia (8360.0)—issued monthly

Production Bulletin No. 5 : Building Materials and Fittings, Australia (8361.0)—issued monthly

Production Bulletin No. 6 : Chemicals and By-products, Australia (8362.0)—issued monthly

Production Bulletin No. 7 : Motor Vehicles, Parts and Accessories, Australia (8363.0)—issued quarterly

Manufacturing Commodities Selected Principal Articles Produced, Australia, (Preliminary) 1981-82 (8365.0)

Manufacturing Commodities, Principal Articles Produced, Australia, 1979-80 and 1980-81 (8303.0)

8. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

n.p. not available for separate publication (but included in totals where applicable)

.. not applicable

— nil or rounded to zero

n.y.a. not yet available

— break in continuity of series (where a line is drawn between two consecutive figures in the same column)

R. J. CAMERON
Australian Statistician

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ELECTRICITY(a)
(Million kWh)

Period	Thermal (499.46)	Hydro (499.44)	Total	
			Original (499.42)	Seasonally adjusted(b)
1980-81	85,888	14,894	100,782	..
1981-82	90,501	14,533	105,034	..
1982-83	93,025	13,319	106,344	..
1982—				
August	8,258	1,039	9,296	8,358
September	7,647	1,171	8,818	8,703
October	7,354	1,343	8,697	8,858
November	7,231	1,150	8,381	8,870
December	7,104	1,189	8,293	8,823
1983—				
January	6,869	1,073	7,942	8,739
February	7,088	913	8,001	8,974
March	7,797	1,042	8,839	9,026
April	7,552	903	8,455	9,077
May	8,162	1,074	9,235	8,960
June	8,732	1,179	9,911	9,024
July	9,252	1,716	10,461	9,064
August	8,615	1,363	9,977	8,853
September	7,909	1,342	9,251	9,169
1982-83: July to Sept.	25,138	3,452	28,590	..
1983-84: July to Sept.	25,775	3,915	29,690	..

ELECTRICITY—STATES(a)(c)
(Million kWh)

Period	N.S.W.	Vic. and W.A.	Qld (499.42)	S.A. and N.T.	Tas.	Australia
1980-81	39,594	31,317	13,406	8,421	8,044	100,782
1981-82	38,373	35,188	14,742	8,550	8,180	105,034
1982-83	38,951	34,219	16,316	8,899	7,958	106,344
1982—						
August	3,394	3,085	1,322	769	727	9,296
September	3,179	2,884	1,336	733	686	8,818
October	3,284	2,633	1,367	738	674	8,697
November	2,985	2,664	1,358	753	621	8,381
December	2,943	2,658	1,326	750	616	8,293
1983—						
January	2,856	2,431	1,321	730	605	7,942
February	2,884	2,522	1,306	735	554	8,001
March	3,181	2,926	1,390	707	635	8,839
April	3,011	2,794	1,327	699	624	8,455
May	3,441	3,013	1,367	708	707	9,235
June	3,845	3,154	1,434	751	728	9,911
July	3,994	3,341	1,545	819	763	10,461
August	3,807	3,134	1,553	753	730	9,977
September	3,393	2,966	1,494	696	703	9,251
1982-83: July to Sept.	10,522	9,426	4,120	2,328	2,194	28,590
1983-84: July to Sept.	11,194	9,440	4,592	2,268	2,196	29,690

(a) Figures represent estimates of total electricity generated by public utilities, factories generating for their own use and factories supplying electricity for domestic and other consumption. (b) See paragraph 6, Explanatory notes. (c) Statistics relate to generation of electricity within each State and take no account of interchange between States. Furthermore, details for Victoria exclude Victorian entitlements to generation from the Hume Power Station and the Snowy Mountain Hydro-electric Scheme.

GAS AND COAL

Period	Gas available for issue through mains					Coal(a)		
	N.S.W. and A.C.T.	W.A.	Other states (434.19)	Australia		Brown coal briquettes (261.41)	Brown coal (261.31)	Black coal (261.02)
				Original	Seasonally adjusted(b)			
(million megajoules)					('000 tonnes)			
1980-81	63,568	32,651	287,687	383,907	..	1,081	32,103	96,686
1981-82	74,319	31,792	323,156	429,266	..	993	37,561	100,428
1982-83	78,148	38,426	318,026	434,600	..	729	34,988	107,588
1982—								
August	7,071	3,558	30,680	41,310	34,808	67	3,341	9,827
September	6,728	3,295	27,890	37,913	35,627	97	3,291	9,863
October	6,269	2,530	25,555	34,355	35,338	72	2,679	9,562
November	6,367	2,833	25,406	34,607	37,862	57	2,381	10,512
December	5,716	2,809	20,204	28,729	34,538	64	2,727	7,599
1983—								
January	4,893	3,209	18,037	26,138	31,886	46	2,538	5,166
February	5,827	3,113	21,806	30,745	37,389	50	2,460	8,522
March	6,725	3,425	24,868	35,018	37,579	61	2,625	10,542
April	6,246	3,277	25,027	34,549	38,047	59	3,167	7,329
May	7,084	3,420	30,476	40,980	37,345	38	3,187	8,963
June	7,536	3,358	31,976	42,869	36,153	51	2,748	9,924
July	8,008	3,396	33,618	45,022	35,560	67	3,518	9,959
August	8,437	3,300	28,649	40,387	33,830	54	3,352	10,836
September	7,466	3,203	27,511	38,180	36,139	72	n.y.a.	n.y.a.
1982-83: July to Sept.	21,486	10,453	94,672	126,610	..	230	10,476	29,468
1983-84: July to Sept.	23,912	9,899	89,778	123,589	..	193	n.y.a.	n.y.a.

PETROLEUM REFINERY INPUT AND PRODUCTS(c)
(Megalitres)

Period	Input(d)	Auto- motive gasoline	Aviation turbine fuel	Fuel oil	Auto- motive diesel oil	Industrial and marine diesel fuel	Bitumen
1980-81	33,951	14,419	2,292	3,657	7,640	875	474
1981-82	34,877	14,962	2,512	3,413	7,819	603	462
1982-83	32,949	14,968	2,383	3,038	7,709	519	492
1982—							
August	2,477	1,103	161	260	585	22.7	31.8
September	2,234	1,028	184	228	521	57.9	33.4
October	3,377	1,421	266	280	824	104.6	42.0
November	2,910	1,357	229	247	675	35.8	51.7
December	2,847	1,301	226	237	685	33.9	61.3
1983—							
January	3,164	1,388	195	249	746	29.8	35.1
February	2,263	999	166	269	552	34.5	37.0
March	2,733	1,267	207	301	609	47.4	52.9
April	2,657	1,178	157	254	627	41.9	35.0
May	2,757	1,337	210	246	627	48.2	28.9
June	2,692	1,233	187	196	575	11.4	44.9
July	2,669	1,214	201	257	604	32.7	17.3
August	2,535	1,226	191	276	619	6.6	30.9
September	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.
1982-83: July to Sept.	7,550	3,487	540	760	1,790	137	103
1983-84: July to Sept.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.

(a) The annual figures shown are the sum of the monthly figures and may differ from those collected in the annual mining census. (b) See paragraph 6. Explanatory notes. (c) Produced by Australian refineries from imported and indigenous petroleum. Source: Department of Resources and Energy. (d) Includes the input of crude, enriched crude and other petroleum based feedstock.

FERROUS METALS
(⁰⁰⁰ tonnes)

Period	Ferrous metals				
	Pig iron(a)		Raw steel(a)		Tin plate (444.95.96)
	Original (442.04.08)	Seas. adj.(b)	Original (442.80.85)	Seas. adj.(b)	
1980-81	7,403	..	7,954	..	333
1981-82	6,574	..	7,270	..	368
1982-83	4,893	..	5,306	..	335
1982—					
August	480	457	561	530	27.6
September	366	391	368	396	26.3
October	367	386	372	385	26.3
November	377	395	414	435	26.5
December	386	390	413	414	31.4
1983—					
January	380	357	389	373	30.4
February	364	373	399	425	24.8
March	393	377	430	415	29.2
April	391	396	396	414	25.4
May	421	408	472	445	29.4
June	423	433	486	489	29.0
July	461	449	518	494	28.1
August	442	420	519	485	27.6
September	433	459	503	534	27.0
1982-83: July to Sept.	1,391	..	1,535	..	83.0
1983-84: July to Sept.	1,336	..	1,540	..	82.8

STEEL WIRE AND WIRE PRODUCTS
(Tonnes)

Period	Coiled steel wire		Barbed wire (448.12)	Welded wire fabric (463.08)	Steel nails (465.16)	Steel wool (854.01)
	Uncoated (448.04)	Coated (448.06.08)				
1980-81	368,011	114,314	13,588	217,109	22,450	1,416
1981-82	359,801	109,323	12,029	246,479	20,055	1,335
1982-83	281,336	98,164	10,950	192,601	15,864	1,395
1980—						
June qtr	86,922	33,083	4,829	56,698	5,648	353
September qtr	99,967	32,254	4,681	61,047	6,123	377
December qtr	87,516	27,705	2,820	54,033	5,500	344
1981—						
March qtr	87,760	24,537	2,657	50,421	5,439	331
June qtr	92,768	29,828	3,430	51,608	5,388	364
September qtr	98,074	32,979	4,122	67,193	5,836	378
December qtr	97,296	26,646	2,385	63,579	5,132	325
1982—						
March qtr	81,290	26,371	2,592	57,543	4,897	294
June qtr	82,141	23,327	2,930	58,164	4,190	338
September qtr	81,873	27,931	2,887	51,698	4,610	458
December qtr	62,106	23,092	2,023	48,942	3,878	349
1983—						
March qtr	66,586	22,968	2,314	43,553	3,486	301
June qtr	70,771	24,173	3,729	48,408	3,890	286
September qtr	78,845	30,943	4,029	51,985	4,357	374
1982-83: July to Sept.	81,873	27,931	2,887	51,698	4,610	458
1983-84: July to Sept.	78,845	30,943	4,029	51,985	4,357	374

(a) Includes recovery from scrap. (b) See paragraph 6, Explanatory notes.

**NON-FERROUS ROLLED, EXTRUDED AND DRAWN PRODUCTS
(Tonnes)**

Period	Aluminium and alloy						Collapsible tubes (451.80)
	Pipes and tubes(a) (451.25)	Rods, bars and sections (451.40)	Wire rod(b) (451.61)	Single wire and wire strip drawn from rod (except redrawn) (451.63)	Sheets, plate, strip, circles, slugs etc.(c) (451.50)	Foil (451.70)	
1980-81	3,999	65,077	28,707	22,800	128,763	12,845	777
1981-82	3,556	68,443	25,235	23,488	127,199	13,164	706
1982-83	n.p.	51,460	n.p.	21,109	129,773	12,310	549
1982—							
August	n.p.	4,184	n.p.	1,960	10,176	1,214	57
September	n.p.	4,858	n.p.	1,583	9,665	1,037	38
October	n.p.	4,517	n.p.	2,193	10,665	1,055	43
November	n.p.	4,731	n.p.	1,765	11,653	1,098	48
December	n.p.	3,639	n.p.	1,651	9,279	940	37
1983—							
January	n.p.	1,889	n.p.	1,094	8,480	654	28
February	n.p.	4,404	n.p.	1,142	11,385	898	40
March	n.p.	5,632	n.p.	2,001	11,722	1,014	51
April	n.p.	3,479	n.p.	1,454	11,247	836	44
May	n.p.	4,558	n.p.	2,069	12,299	1,137	55
June	n.p.	4,421	n.p.	1,950	11,958	1,197	60
July	n.p.	4,762	n.p.	1,391	12,600	1,190	59
August	n.p.	5,428	n.p.	1,806	13,465	1,337	58
September	n.p.	5,227	n.p.	2,043	11,861	1,168	55
1982-83: July to Sept.	n.p.	14,190	n.p.	5,790	31,085	3,481	143
1983-84: July to Sept.	n.p.	15,417	n.p.	5,240	37,926	3,695	172

**NON-FERROUS ROLLED, EXTRUDED, AND DRAWN PRODUCTS—continued
(Tonnes)**

Period	Copper and alloy			Lead and alloy Sheets, plate, strip, circles, slugs, etc.(e) (453.50)
	Rods, bars and sections		Single wire and wire strip (d)	
	Brass (452.46)	Other (452.16)	Other than brass (452.25)	
1980-81	23,374	4,567	56,995	6,758
1981-82	22,121	3,915	56,651	5,952
1982-83	17,447	3,266	48,738	5,168
1982—				
August	1,576	357	4,374	656
September	1,550	263	4,855	326
October	1,773	428	4,663	276
November	1,648	312	3,942	328
December	1,162	230	3,423	356
1983—				
January	304	56	1,978	190
February	1,347	286	3,455	473
March	1,459	234	4,130	365
April	1,658	267	3,899	468
May	1,630	277	4,330	613
June	1,571	229	4,732	384
July	1,761	276	4,607	427
August	1,623	254	3,813	478
September	1,807	367	4,614	461
1982-83: July to Sept.	4,899	947	14,186	1,715
1983-84: July to Sept.	5,191	897	13,034	1,366

(a) Excludes hollow rods and bars. (b) Includes wire rod produced and further used for drawing to single wire. (c) Circles, slugs, etc. stamped from sheet or strip purchased, transferred in or imported are not included. Where stamped from sheet or strip produced in the same establishment, the weight of metal included in the statistics is that of the circles, etc. and not the weight of the sheet or strip from which they were stamped. (d) Drawn from rod (except redrawn). (e) Circles, slugs, etc. stamped from sheet or strip purchased, transferred in or imported are not included. Where stamped from sheet or strip produced in the same establishment, the weight of metal included in the statistics is that of the circles, etc. and not the weight of the sheet or strip from which they were stamped.

UNINSULATED ELECTRIC AND TELEPHONE CABLE, WIRE AND STRIP(a)
(Tonnes)

Period	Aluminium, stranded	Copper
	(Aluminium content) (464.16)	(Copper content) (464.15)
1980-81	(b)25,931	(b)8,874
1981-82	(b)25,063	(b)n.p.
1982-83	18,023	6,647
1982—		
August	1,543	660
September	1,374	503
October	1,951	580
November	1,740	298
December	1,545	467
1983—		
January	703	399
February	1,211	488
March	1,573	592
April	1,245	576
May	1,667	646
June	1,566	743
July	1,199	481
August	1,591	403
September	1,817	646
1982-83: July to Sept.	4,822	1,858
1983-84: July to Sept.	4,607	1,530

INSULATED ELECTRIC AND TELEPHONE CABLE, WIRE AND STRIP

Period	Power transmission and distribution(c)			Communication electronics and appliance	Automotive and similar low voltage (464.51)	Magnet winding wire		
	Copper(d)		Aluminium(e) (464.39)			Copper(d) (464.44)	Conductor diameter 0.25mm or less (464.61)	Other (464.62)
	Paper insulated (464.28)	Otherwise insulated (464.29)						
	tonnes	tonnes	tonnes	tonnes	'000 metres	tonnes	tonnes	
1980-81	3,127	32,108	(f)5,570	10,435	78,223	632	6,783	
1981-82	3,401	34,099	(f)5,121	n.p.	88,221	653	6,719	
1982-83	3,988	30,753	3,987	11,555	72,670	396	n.p.	
1982—								
August	394	2,676	370	1,004	6,179	39	n.p.	
September	371	2,763	416	1,042	4,578	41	n.p.	
October	370	2,690	381	1,116	5,400	37	n.p.	
November	345	2,477	379	1,058	5,609	49	n.p.	
December	324	2,404	339	817	5,226	21	n.p.	
1983—								
January	140	1,064	157	333	2,565	n.p.	n.p.	
February	293	2,271	283	933	5,965	n.p.	n.p.	
March	275	2,914	303	1,188	6,674	n.p.	n.p.	
April	307	2,554	274	934	6,867	n.p.	n.p.	
May	314	3,112	390	1,076	8,465	n.p.	n.p.	
June	308	2,920	295	1,018	7,329	n.p.	n.p.	
July	240	2,830	278	1,254	9,620	44	n.p.	
August	232	2,465	262	1,225	9,619	n.p.	n.p.	
September	288	2,949	214	1,346	9,892	n.p.	n.p.	
1982-83: July to Sept.	1,312	8,347	1,186	3,082	18,570	124	n.p.	
1983-84: July to Sept.	760	8,244	754	3,825	29,131	n.p.	n.p.	

(a) For sale or transfer out as such, excludes single wire and single wire strip. (b) Prior to July 1982 details relate to total weight. (c) Includes household and building wiring. (d) Weight of copper content only. (e) Weight of aluminium content only. (f) Prior to July 1982 includes communication electronics and appliances.

NON-FERROUS REFINED METALS AND LAWNMOWERS

Period	Non-ferrous refined metals(a)						Lawn mowers with engine (undercut rotary petrol type), 2 stroke or 4 stroke	
	Copper (452.04)			Precious metals			Original (699.51)	Seasonally adjusted(c)
	Lead(b) (453.04)	Tin (456.04)	Zinc (457.04)	Silver (455.64)	Gold (455.04)			
	'000 tonnes	'000 tonnes	tonnes	'000 tonnes	'000 grams	'000 grams	number	
1980-81	159	206	4,669	274	315,584	12,494	306,354	..
1981-82	163	207	3,617	301	325,105	17,773	327,059	..
1982-83	172	212	2,898	288	303,889	25,784	194,611	..
1982—								
August	13.5	20.6	307	24.6	27,721	2,070	22,259	18,851
September	14.9	18.5	213	22.8	30,676	1,923	26,387	16,985
October	14.5	18.1	168	24.2	24,785	2,612	22,686	14,432
November	14.6	19.0	262	23.6	26,763	2,058	28,521	19,434
December	13.8	19.0	244	24.0	24,027	2,092	13,434	11,161
1983—								
January	13.3	14.0	169	25.6	21,164	2,253	11,383	13,530
February	16.1	15.8	184	21.5	27,248	1,943	12,250	13,103
March	15.0	16.6	297	22.1	27,702	2,567	11,664	15,209
April	13.1	17.2	236	25.6	21,171	1,910	8,715	15,708
May	13.2	16.5	265	22.8	23,721	2,010	3,671	11,302
June	16.0	17.2	296	23.2	19,172	2,266	8,714	13,557
July	12.1	18.1	242	25.2	26,662	3,074	14,522	14,977
August	16.1	17.7	n.y.a.	26.3	26,409	2,321	26,123	22,309
September	n.y.a.	15.9	n.y.a.	25.4	n.y.a.	n.y.a.	33,071	21,221
1982-83: July to Sept.	42.9	58.8	777	72.8	88,136	6,073	73,573	..
1983-84: July to Sept.	n.y.a.	51.6	n.y.a.	77.0	n.y.a.	n.y.a.	73,716	..

PEDAL CYCLES(d) AND METALLURGICAL COKE

Period	Pedal cycles (611.01)	Metallurgical coke (435.22)
	number	'000 tonnes
1980-81	204,649	4,676
1981-82	154,589	4,198
1982-83	125,406	3,134
1980—		
June qtr	45,321	892
September qtr	67,863	1,220
December qtr	79,877	1,209
1981—		
March qtr	27,792	1,125
June qtr	29,117	1,123
September qtr	54,323	1,154
December qtr	68,738	1,001
1982—		
March qtr	15,522	979
June qtr	16,006	1,064
September qtr	40,882	977
December qtr	51,555	741
1983—		
March qtr	14,687	681
June qtr	18,282	735
September qtr	33,147	799
1982-83: July to Sept.	40,882	977
1983-84: July to Sept.	33,147	799

(a) Primary origin only. Source: Bureau of Mineral Resources. (b) Includes lead content of lead alloys from primary sources but excludes lead-silver bullion. (c) See paragraph 6, Explanatory notes. (d) Complete or packed for final assembly. Excludes tricycles and similar toy vehicles.