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CANBERRA

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PRODUCTION BULLETIN NO. 8 : MISCELLANEOUS PRODUCTS AUSTRALIA, SEPTEMBER 1987

PHONE INQUIRIES • *about* ***these statistics***—contact Bohdan Stankewytsch-Janusch on Canberra (062) 52 5558 or any ABS State office.

• *about* ***other statistics and ABS services***—contact **Information Services** on Canberra (062) 52 6007, 52 6627, 52 5402 or any ABS State office.

MAIL INQUIRIES • *write to* **Information Services,** ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any ABS State office.

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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 the commodity codes used in Australian manufacturing statistics. However, in cases where data are derived from sources other than ABS collections no commodity code is shown. In general, where items are combined they have been 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. Manufacturing commodity statistics collected by the ABS exclude details relating to single establishment manufacturing enterprises with fewer than four persons employed 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 in this publication 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. However, care should be exercised in interpreting the figures for those months in which Christmas/New Year and Easter holidays fall as some manufacturers vary holiday shutdowns in the light of prevailing demand for their products. Details of the methods used in seasonally adjusting these and other series are available on request.

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, Motor Bodies and Trailed Vehicles, Australia (8363.0)—*issued quarterly*

Manufacturing Commodities: Selected Principal Articles Produced, Australia, 1984-85, Preliminary (8365.0).

Manufacturing Commodities: Principal Articles Produced, Australia, 1983-84 and 1984-85 (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
r	revised since last issue
n.y.a.	not yet available

IAN CASTLES
Australian Statistician

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ELECTRICITY(a)
(million kWh)

Period	Thermal (499.46)	Hydro (499.44)	Total Original	Total (499.42)	Total Seasonally adjusted(b)
1984-85	104,776	14,422	119,199		..
1985-86	109,438	14,931	124,369		..
1986-87	116,291	13,862	130,153		..
1986—					
July	10,836	1,331	12,167		10,470
August	10,302	1,275	11,578		10,588
September	9,415	1,229	10,645		10,674
October	9,326	1,287	10,613		10,633
November	8,937	1,167	10,104		10,771
December	9,155	1,191	10,346		10,973
1987—					
January	9,247	1,015	10,261		11,040
February	8,953	1,018	9,971		11,118
March	9,700	1,095	10,795		10,999
April	9,491	916	10,407		11,077
May	10,280	1,175	11,455		11,083
June	10,649	1,164	11,812		10,973
July	11,084	1,482	12,566		10,749
August	10,699	1,376	12,075		11,081
September	9,998	1,228	11,226		11,181
1986-87: July to Sept.	30,553	3,835	34,389		..
1987-88: July to Sept.	31,781	4,086	35,867		..

Period	N.S.W.(c)	Vic.(c)	Qld(c)	S.A. and N.T.(c) (499.42)	W.A.(c)	Tas.(c)	Australia
1984-85	44,165	27,474	20,147	9,285	9,849	8,279	119,199
1985-86	47,136	28,034	21,222	9,608	9,957	8,413	124,369
1986-87	47,960	31,135	22,622	9,660	10,390	8,386	130,153
1986—							
July	4,810	2,788	1,956	904	917	792	12,167
August	4,437	2,713	1,908	865	885	770	11,578
September	4,016	2,463	1,843	788	812	723	10,645
October	3,914	2,484	1,883	789	837	706	10,613
November	3,703	2,325	1,831	773	820	651	10,104
December	3,923	2,292	1,866	785	828	651	10,346
1987—							
January	3,578	2,450	1,934	759	888	652	10,261
February	3,567	2,413	1,776	762	855	598	9,971
March	3,839	2,617	1,953	804	902	679	10,795
April	3,571	2,690	1,858	760	861	667	10,407
May	4,182	2,896	1,908	825	897	748	11,455
June	4,419	3,005	1,905	846	890	748	11,812
July	4,881	2,919	2,107	902	928	830	12,566
August	4,516	2,981	1,973	875	915	814	12,075
September	4,100	2,760	1,931	821	864	751	11,226
1986-87: July to Sept.	13,263	7,963	5,707	2,557	2,614	2,285	34,389
1987-88: July to Sept.	13,497	8,659	6,011	2,598	2,706	2,394	35,867

(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 Mountains Hydro-electric Scheme.

Period	GAS (million megajoules)					BROWN COAL BRIQUETTES ('000 tonnes)
	Gas available for issue through mains					
				Australia		
	N.S.W. and A.C.T.	W.A.	Other States (434.19)	Original	Seasonally adjusted(a)	Brown coal briquettes (261.41)
1984-85	83,838	75,467	304,168	463,473	..	789
1985-86	95,007	109,782	307,620	512,409	..	852
1986-87	96,361	129,412	298,558	524,330	..	811
1986—						
July	10,111	10,044	33,999	54,154	43,739	79
August	9,489	10,494	30,139	50,122	44,085	78
September	8,296	10,653	26,786	45,734	42,701	51
October	7,785	11,459	26,540	45,784	44,609	82
November	7,088	10,777	21,632	39,497	42,465	67
December	6,912	10,817	20,516	38,245	44,372	70
1987—						
January	6,483	10,733	19,487	36,703	45,533	58
February	7,211	10,788	18,042	36,042	42,694	71
March	7,769	11,677	21,298	40,745	43,251	30
April	7,677	10,607	23,334	41,619	44,933	87
May	8,491	10,950	27,336	46,777	43,432	75
June	9,047	10,412	29,449	48,908	43,015	63
July	9,905	12,061	34,743	56,709	46,033	50
August	9,127	12,203	30,976	52,306	46,105	62
September	8,725	12,109	28,787	49,621	45,830	86
1986-87: July to Sept.	27,897	31,190	90,923	150,010	..	208
1987-88: July to Sept.	27,756	36,374	94,506	158,637	..	198

(a) See paragraph 6, Explanatory Notes.

PETROLEUM REFINERY INPUT AND PRODUCTS(a)
(megalitres)

Period	Input(b)	Automotive gasoline	Aviation turbine fuel	Fuel oil	Automotive diesel oil	Industrial and marine diesel fuel	Bitumen
1984-85	r33,539	r15,530	2,599	2,855	8,023	421	519
1985-86	r32,834	15,652	2,684	2,264	8,139	329	539
1986-87	r32,959	r15,296	r2,742	2,274	r8,198	240	523
1986—	r				r		
July	2,263	1,131	178	119	623	15.0	35.0
August	2,685	1,296	220	219	621	33.5	36.1
September	3,138	1,375	270	192	727	18.6	30.9
October	2,825	r1,314	r249	216	636	27.9	41.7
November	2,670	r1,212	r223	211	646	24.1	53.0
December	2,709	1,316	254	147	767	20.1	58.6
1987—							
January	3,010	1,373	264	177	768	28.2	36.6
February	2,609	r1,089	204	167	708	14.2	48.0
March	2,797	r1,325	252	160	673	r17.7	54.0
April	2,708	1,295	195	141	689	11.4	49.2
May	2,756	r1,260	218	278	691	11.6	42.1
June	2,791	1,311	215	247	649	17.5	37.9
July	2,838	1,347	244	158	745	r7.9	19.2
August	2,959	1,433	259	173	757	14.3	47.0
September	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.	n.y.a.
1986-87: July to Sept.	8,085	3,801	668	530	1,971	67	102
1987-88: 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) Produced by Australian refineries from imported and indigenous petroleum. Source: Department of Primary Industries and Energy. (b) Includes the input of crude, enriched crude and other petroleum based feedstock.

FERROUS METALS
('000 tonnes)

Period	Ferrous metals: Pig iron(a) Original (442.04,08)	Pig iron(a) Seas. adj.(b)	Raw steel(a) Original (442.71-73)	Raw steel(a) Seas. adj.(b)	Blooms and slabs (442.28)	Tinplate (444.95,63)	CAST IRON PIPES AND TUBES (tonnes): Pipes, pipe specials, tubes and fittings; moulded or spun(c) (447.52)
1984-85	5,331	..	6,311	..	3,992	358	77,371
1985-86	5,925	..	6,826	..	4,446	312	82,195
1986-87	5,783	..	6,387	..	3,670	292	77,823
1986—							
July	444	426	520	483	329	26.1	8,428
August	502	496	581	566	375	29.8	6,720
September	505	510	590	575	384	31.8	7,515
October	506	506	562	559	350	19.6	9,126
November	485	501	548	581	339	29.2	7,440
December	513	503	567	558	338	26.3	4,861
1987—							
January	496	481	542	541	314	21.4	3,211
February	444	483	473	532	247	19.7	6,628
March	505	481	531	519	267	24.4	6,223
April	421	453	462	501	235	21.8	5,786
May	474	467	479	470	248	19.2	6,064
June	488	480	533	506	244	22.5	5,821
July	493	471	552	512	237	23.2	6,740
August	488	483	547	532	233	31.2	6,698
September	514	523	562	557	236	26.9	7,591
1986-87: July to Sept.	1,451	..	1,691	..	1,088	87.7	22,663
1987-88: July to Sept.	1,496	..	1,661	..	705	81.3	21,029

(a) Includes recovery from scrap. (b) See paragraph 6, Explanatory Notes. (c) Includes valves and valve parts.

STEEL WIRE AND WIRE PRODUCTS
(tonnes)

Period	Ferrous barbed wire (481.33)	Ferrous welded wire fabric (481.35; 494.15)	Steel wire nails (481.41)	Steel wool (482.49)
1984-85	12,233	234,660	17,147	1,303
1985-86	12,923	254,358	15,770	1,263
1986-87	r13,625	249,394	13,201	1,315
1984—				
September qtr	4,163	60,325	4,989	350
December qtr	2,204	60,627	4,417	316
1985—				
March qtr	2,440	54,655	3,806	316
June qtr	3,426	59,053	3,935	321
September qtr	4,008	70,312	4,076	287
December qtr	2,633	63,068	4,354	321
1986—				
March qtr	2,501	56,741	3,443	323
June qtr	3,781	64,237	3,897	332
September qtr	3,902	64,880	3,828	345
December qtr	3,024	59,181	3,577	331
1987—				
March qtr	2,475	60,913	2,782	305
June qtr	r4,224	64,420	3,014	333
September qtr	n.p.	66,132	2,961	344

NON-FERROUS ROLLED, EXTRUDED AND DRAWN PRODUCTS
(tonnes)

Period	*Aluminium and alloy*				
	Rods, bars and sections(a) (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)*
1984-85	66,187	27,987	23,631	148,211	13,655
1985-86	70,207	24,038	17,782	161,890	13,362
1986-87	67,671	20,202	13,871	172,372	15,481
1986—					
July	6,026	2,080	1,642	15,197	1,354
August	5,759	1,723	1,252	13,500	1,272
September	5,575	1,552	1,154	15,416	1,359
October	5,855	1,787	1,192	17,852	1,399
November	6,055	1,943	1,449	14,557	1,372
December	4,816	1,007	877	12,187	1,246
1987—					
January	2,917	420	295	8,511	832
February	5,172	2,057	1,256	12,901	1,190
March	6,505	2,299	1,494	14,618	1,344
April	5,629	1,656	945	15,600	1,312
May	6,759	1,859	1,193	16,431	1,389
June	6,603	1,819	1,122	15,602	1,412
July	6,992	1,733	1,074	15,643	1,227
August	6,394	1,411	1,052	16,044	1,459
September	7,214	2,028	1,070	14,529	1,509
1986-87: July to Sept.	17,360	5,355	4,048	44,113	3,985
1987-88: July to Sept.	20,600	5,172	3,196	46,216	4,195

(a) Includes both solid and hollow. (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. Excludes production of liner aluminium sheet used in the manufacture of other products in the same establishment.

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

Period	*Copper and alloy*			*Lead and alloy*
	Rods, bars and sections(a)		*Single wire and wire strip (b)*	
	Brass (452.46)	*Other (452.16)*	*Other than brass (452.25)*	*Sheets, plate, strip, circles, slugs, etc. (c) (453.50)*
1984-85	21,602	4,244	49,662	3,420
1985-86	20,859	4,732	54,588	3,809
1986-87	20,588	4,967	51,089	3,453
1986—				
July	1,823	291	5,706	428
August	2,017	350	4,412	275
September	1,391	307	3,821	315
October	1,871	413	4,472	264
November	1,531	304	4,231	287
December	1,266	r392	3,593	315
1987—				
January	596	147	1,526	144
February	2,135	659	4,589	239
March	1,895	557	5,409	299
April	1,837	468	3,606	242
May	2,268	614	4,482	416
June	1,958	465	5,242	229
July	2,393	773	4,254	301
August	1,785	526	3,374	287
September	1,741	440	4,035	239
1986-87: July to Sept.	5,231	948	13,939	1,018
1987-88: July to Sept.	5,919	1,739	11,663	827

(a) Includes both solid and hollow. (b) Drawn from rod (except redrawn). (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.

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

Period	*Aluminium, stranded* *(Aluminium content) (464.16)*	*Copper* *(Copper content) (464.15)*
1984-85	19,997	4,890
1985-86	16,739	5,736
1986-87	12,072	4,787
1986—		
July	1,423	665
August	1,103	486
September	1,113	416
October	1,020	244
November	1,233	400
December	680	300
1987—		
January	281	130
February	1,153	433
March	1,285	529
April	884	311
May	972	403
June	925	470
July	807	262
August	818	277
September	858	n.p.
1986-87: July to Sept.	3,639	1,567
1987-88: July to Sept.	2,483	n.p.

(a) For sale or transfer out as such, excludes single wire and single wire strip.

INSULATED ELECTRIC AND TELEPHONE CABLE, WIRE AND STRIP

Period	*Power transmission and distribution(a)* *Copper(b)* *Paper insulated (464.28)*	*Otherwise insulated (464.29)*	*Aluminium(c) (464.39)*	*Communication electronics and appliance* *Copper(b) (464.44)*	*Automotive and similar low voltage (464.51)*
	—tonnes—				'000 metres
1984-85	2,479	32,079	3,609	12,629	89,572
1985-86	3,705	34,493	3,594	13,700	107,642
1986-87	4,161	36,718	3,765	12,555	99,792
1986—					
July	494	3,673	409	1,321	9,722
August	466	3,115	403	1,217	10,674
September	n.p.	3,194	339	1,110	10,344
October	n.p.	3,116	370	1,207	8,996
November	348	3,427	323	1,145	6,052
December	n.p.	2,759	382	963	5,109
1987—					
January	n.p.	787	53	416	3,638
February	209	3,187	295	941	7,504
March	545	3,466	250	1,270	7,993
April	205	2,727	202	823	7,561
May	349	3,743	361	1,090	11,996
June	238	3,524	378	1,052	10,202
July	221	3,307	282	1,117	11,956
August	204	3,214	311	994	14,400
September	296	3,302	322	932	9,809
1986-87: July to Sept.	n.p.	9,982	1,151	3,648	30,740
1987-88: July to Sept.	721	9,823	915	3,043	36,165

(a) Includes household and building wiring. (b) Weight of copper content only. (c) Weight of aluminium content only.

NON-FERROUS REFINED METALS(a)

Period	Copper (452.04)	Lead(b) (453.04)	Tin (456.04)	Zinc (457.04)	Precious metals: Silver (455.64)	Precious metals: Gold (455.04)
	'000 tonnes		tonnes	'000 tonnes	kg	
1984-85	165	189	2,824	299	284,963	40,501
1985-86	163	206	2,208	297	315,337	56,928
1986-87	171	142	784	300	270,608	81,856
1986—						
July	15.2	12.1	153	25.6	20,104	5,533
August	12.3	1.1	75	27.3	34,360	6,367
September	13.2	0.4	84	25.8	11,141	5,773
October	13.4	13.6	44	24.1	16,144	7,226
November	17.8	14.6	45	22.3	22,609	6,333
December	10.0	14.9	77	24.7	27,115	7,084
1987—						
January	12.7	18.4	8	25.2	22,626	7,470
February	13.4	16.5	38	24.3	28,557	5,976
March	16.0	12.7	70	26.9	29,548	6,692
April	14.1	1.4	56	24.5	20,839	6,918
May	15.4	19.0	95	24.1	11,820	9,920
June	17.4	17.7	39	25.6	25,745	6,564
July	14.0	18.2	39	26.8	29,994	9,546
August	18.4	19.6	78	27.6	23,754	r7,677
September	17.9	22.0	44	28.4	29,512	8,192
1986-87: July to Sept.	40.7	13.6	312	78.7	65,605	17,673
1987-88: July to Sept.	50.3	59.8	161	82.9	83,260	25,415

(a) Primary origin only. Comprises production by establishments classified to either the Manufacturing or Mining Sectors. 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.

LAWNMOWERS

Period	*Lawn mowers with engine (undercut rotary petrol type), 2 stroke or 4 stroke* — Original (699.51)	Seasonally adjusted(c)
	number	
1984-85	246,276	..
1985-86	290,239	..
1986-87	276,357	..
1986—		
July	21,933	23,458
August	25,321	20,948
September	34,506	23,898
October	47,452	29,930
November	32,877	18,708
December	20,088	17,498
1987—		
January	13,194	16,134
February	22,445	22,999
March	16,788	24,231
April	13,202	28,410
May	10,186	28,132
June	18,365	29,756
July	19,090	21,720
August	24,156	19,907
September	33,446	22,193
1986-87: July to Sept.	81,760	..
1987-88: July to Sept.	76,692	..

PEDAL CYCLES(a) (number)

COKE ('000 tonnes)

Period	Pedal cycles(a) (611.01)	Metallurgical coke (435.22)
1984-85	112,957	3,254
1985-86	103,661	3,534
1986-87	r87,453	3,253
1984—		
September qtr	23,727	820
December qtr	55,927	841
1985—		
March qtr	16,213	786
June qtr	17,090	807
September qtr	28,490	848
December qtr	44,000	872
1986—		
March qtr	18,888	940
June qtr	12,283	874
September qtr	26,851	846
December qtr	33,543	863
1987—		
March qtr	13,744	779
June qtr	r13,315	765
September qtr	29,319	896

(a) Complete or packed for final assembly. Excludes tricycles and similar toy vehicles.

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