



PRODUCTION BULLETIN NO. 8 : MISCELLANEOUS PRODUCTS AUSTRALIA, NOVEMBER 1984

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 1, 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, 1982-83 (Preliminary) (8365.0)

Manufacturing Commodities, Principal Articles Produced, Australia, 1980-81 and 1981-82 (8303.0) (\$1.70, \$2.40 incl. postage)

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

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

R. J. CAMERON
Australian Statistician

INDEX

	<i>Page</i>		<i>Page</i>
Aluminium foil	6	Nails, steel	5
Automotive cable, wire and strip	7		
		Petroleum refinery products	4
Black coal	4	Pig iron	5
Blooms and slabs	5	Pipes and tubes, cast iron	5
Brown coal	4		
Briquettes, brown coal	4	Refined metals, non-ferrous	8
		Rods, bars and sections, non-ferrous	6
Cable, wire and strip	7		
Cast iron pipes and tube	5	Sheet, plate, strip, circles, slugs, non-ferrous	6
Collapsible tubes	6	Steel, raw	5
Cycles, pedal	8	Steel wool	5
		Steel nails	5
Electricity	3		
		Telephone cable, wire and strip	7
Foil, aluminium	6	Tin plate	5
		Tubes, collapsible	6
Gas	4		
		Welded wire fabric	5
Lawn mowers	8	Wire—	
		Barbed	5
		Coiled	5
Metallurgical coke	8	Wire fabric, welded	5
Mowers, lawn	8	Wire rod	6
		Wire strip	6

ELECTRICITY(a)
(million kWh)

Period	Thermal (499.46)	Hydro (499.44)	Total	
			Original (499.42)	Seasonally adjusted(b)
1981-82	90,501	14,474	104,975	..
1982-83	93,025	12,908	105,933	..
1983-84	98,865	12,831	111,696	..
1983—				
September	7,909	1,174	9,083	9,032
October	8,159	994	9,153	9,280
November	7,679	1,134	8,813	9,267
December	7,720	1,036	8,757	9,370
1984—				
January	7,617	875	8,492	9,363
February	7,718	1,077	8,795	9,427
March	8,363	991	9,354	9,556
April	7,813	983	8,796	9,477
May	8,956	1,116	10,072	9,625
June	9,064	1,109	10,174	9,379
July	10,077	1,231	11,308	9,755
August	9,504	1,222	10,726	9,624
September	8,492	1,297	9,789	9,874
October	8,477	1,246	9,722	9,729
November	8,181	1,175	9,356	9,832
1983-84 : July to Nov.	41,612	5,643	47,256	..
1984-85 : July to Nov.	44,731	6,170	50,901	..

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

Period	N. S. W.	Vic.	Qld	S. A. and N. T. (499.42)	W. A.	Tas.	Australia
1981-82	38,373	27,074	14,742	8,550	8,114	8,122	104,975
1982-83	38,951	25,530	16,316	8,899	8,259	7,978	105,933
1983-84	42,105	25,469	18,586	8,730	8,663	8,144	111,696
1983—							
September	3,393	2,152	1,494	696	646	703	9,083
October	3,459	2,082	1,535	696	709	672	9,153
November	3,296	1,927	1,533	690	724	643	8,813
December	3,205	1,980	1,501	733	708	631	8,757
1984—							
January	3,024	1,936	1,493	690	734	615	8,492
February	3,267	1,948	1,497	728	758	597	8,795
March	3,448	2,143	1,609	735	745	674	9,354
April	3,224	2,002	1,526	674	719	651	8,796
May	3,879	2,299	1,646	739	773	736	10,072
June	4,109	2,151	1,654	775	753	730	10,174
July	4,366	2,672	1,829	862	803	776	11,308
August	3,961	2,584	1,790	818	813	761	10,726
September	3,651	2,227	1,676	756	766	713	9,789
October	3,583	2,219	1,702	735	790	692	9,722
November	3,460	2,081	1,669	732	772	643	9,356
1983-84 : July to Nov.	17,949	11,009	7,660	3,655	3,473	3,511	47,256
1984-85 : July to Nov.	19,021	11,783	8,666	3,902	3,944	3,586	50,901

(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
(million megajoules)

Period	Gas available for issue through mains				
	N.S.W. and A.C.T.		Other states (434.19)	Australia	
		W.A.		Original	Seasonally adjusted(b)
1981-82	74,319	31,792	323,156	429,266	..
1982-83	78,148	38,426	318,026	434,600	..
1983-84	84,761	36,902	319,539	441,202	..
1983—					
September	7,466	3,203	27,511	38,180	36,376
October	7,634	3,420	27,554	38,608	40,086
November	6,822	3,232	25,254	35,308	37,543
December	6,101	3,270	20,863	30,234	36,995
1984—					
January	5,461	2,896	20,443	28,801	35,497
February	6,291	2,730	24,014	33,034	37,732
March	7,052	2,943	25,299	35,294	37,365
April	6,316	2,786	24,079	33,181	36,521
May	7,679	2,926	30,192	40,797	36,447
June	7,492	2,799	32,063	42,355	36,043
July	8,138	2,861	35,096	46,095	36,456
August	7,463	3,046	31,885	42,394	36,793
September	6,985	5,595	28,728	41,307	39,380
October	7,300	7,109	24,132	38,541	39,545
November	6,862	7,467	21,987	36,316	39,078
1983-84 : July to Nov.	38,368	16,551	142,586	197,506	..
1984-85 : July to Nov.	36,749	26,077	141,828	204,654	..

COAL
(' 000 tonnes)

Brown coal briquettes (261.41)	Brown coal (261.31)	Black coal (261.02)
(a)993	(a)37,562	(a)99,560
(a)760	(a)34,998	(a)107,768
746	33,057	116,577
72	2,644	10,593
61	2,606	9,679
61	2,481	10,340
69	2,765	7,196
64	2,539	6,607
69	2,277	10,268
66	2,459	10,491
68	2,805	7,915
59	2,907	11,837
36	2,703	10,840
68	3,392	11,305
83	3,449	11,788
87	3,444	11,019
85	3,000	12,981
60	2,942	12,247
314	14,601	51,424
383	16,226	59,340

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
1981-82	34,877	14,962	2,512	3,413	7,917	603	499
1982-83	32,949	14,968	2,383	3,038	7,709	519	492
1983-84	33,776	15,239	2,492	3,094	8,133	287	455
1983—							
August	2,580	1,219	192	277	619	6.5	30.9
September	2,788	1,318	218	284	690	41.4	37.2
October	2,735	1,248	210	275	672	33.5	23.7
November	2,743	1,168	208	243	719	21.7	46.8
December	3,064	1,428	206	312	765	31.6	50.0
1984—							
January	3,012	1,383	203	271	777	40.0	20.3
February	2,823	1,245	199	262	657	26.9	38.7
March	2,860	1,360	218	242	672	10.5	55.0
April	2,893	1,225	223	222	659	16.3	43.7
May	2,781	1,246	220	207	633	8.2	43.3
June	2,800	1,194	194	241	667	17.8	47.9
July	3,002	1,364	252	315	694	25.7	44.2
August	3,074	1,312	219	287	713	63.1	37.0
September	2,397	1,148	187	212	602	45.9	25.9
October	2,878	1,290	246	205	720	34.8	41.3
1983-84 : July to Oct.	10,800	4,990	822	1,094	2,585	114	109
1984-85 : July to Oct.	11,351	5,113	904	1,019	2,729	170	148

(a) From the annual ABS Census of Mining Establishments. (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
(¹ 000 tonnes)

**CAST IRON
PIPES AND
TUBES**
(¹ 000 tonnes)

Period	Ferrous metals						Pipes, pipe specials, tubes and fittings; moulded or spun (447.52)
	Pig iron(a)		Raw steel(a)		Blooms and slabs (442.28)	Tin plate (444.95)	
	Original (442.04,08)	Seas. adj.(b)	Original (442.71-73)	Seas. adj.(b)			
1981-82	6,574	..	7,270	..	5,449	368	85,060
1982-83	4,893	..	5,306	..	3,583	335	71,793
1983-84	5,287	..	6,161	..	3,889	340	73,134
1983—							
September	433	453	509	530	323	27.0	5,724
October	450	462	525	535	332	26.1	5,611
November	434	457	488	520	332	25.2	6,059
December	453	455	513	514	317	28.8	4,684
1984—							
January	464	438	521	503	343	28.2	1,938
February	401	404	470	494	307	27.8	7,783
March	464	442	539	520	343	30.6	7,023
April	399	412	468	503	283	29.2	5,227
May	441	432	543	517	287	31.3	9,482
June	445	445	532	521	333	30.0	6,605
July	466	444	565	522	347	31.7	7,249
August	458	450	535	506	332	30.9	8,205
September	445	471	534	572	352	30.1	6,917
October	456	468	546	547	320	31.8	7,788
November	425	444	494	523	308	30.2	7,014
1983-84 : July to Nov.	2,220	..	2,572	..	1,676	134	30,392
1984-85 : July to Nov.	2,250	..	2,674	..	1,659	155	37,173

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)				
1981-82	359,801	109,323	12,029	246,479	20,055	1,335
1982-83	281,336	89,641	10,950	202,655	17,199	1,395
1983-84	331,023	101,666	14,158	223,750	16,458	1,270
1981—						
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	83,141	23,327	2,930	58,164	4,190	338
September qtr	81,873	25,841	2,887	54,334	4,973	458
December qtr	62,106	20,726	2,023	51,708	4,229	349
1983—						
March qtr	66,586	20,878	2,311	45,953	3,793	301
June qtr	70,771	22,196	3,729	50,660	4,204	286
September qtr	78,845	27,919	4,029	55,009	4,357	374
December qtr	81,300	25,004	2,772	57,176	3,741	310
1984—						
March qtr	82,531	25,329	3,056	53,234	3,929	308
June qtr	88,347	23,414	4,301	58,331	4,431	277
September qtr	95,932	32,110	4,163	60,769	4,969	360

(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)
	Rods, bars and sections (451.40)	Wire rod(a) (451.61)	Single wire and wire strip drawn from rod (except redrawn) (451.63)	Sheets, plate, strip, circles, slugs etc.(b) (451.50)	Foil (451.70)	
1981-82	68,443	25,235	23,488	127,199	13,164	706
1982-83	51,460	n.p.	21,109	129,773	12,310	549
1983-84	62,372	23,353	19,048	153,727	13,388	510
1983—						
September	5,227	2,162	2,043	11,861	1,168	55
October	6,018	1,573	1,057	13,148	1,444	59
November	6,144	2,054	1,503	14,240	1,387	51
December	4,853	1,262	1,407	9,450	936	27
1984—						
January	3,128	421	532	9,191	834	24
February	5,620	1,952	1,297	14,822	1,012	37
March	5,351	3,044	2,303	14,313	1,109	42
April	5,037	1,633	1,401	13,161	895	31
May	6,123	3,018	2,350	13,847	1,129	39
June	4,681	2,210	1,958	13,629	947	28
July	5,424	1,817	1,612	13,744	1,086	39
August	5,708	2,840	2,512	14,842	1,129	24
September	4,875	2,956	2,974	12,375	1,143	27
October	5,984	2,806	2,455	12,906	1,334	31
November	6,198	3,111	2,707	13,569	1,373	33
1983-84: July to Nov.	27,579	9,813	7,800	65,314	6,526	282
1984-85: July to Nov.	28,189	13,530	12,260	67,436	6,065	154

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

Period	Copper and alloy			Lead and alloy Sheets, plate, strip, circles, slugs, etc.(d) (453.50)
	Rods, bars and sections		Single wire and wire strip (c)	
	Brass (452.46)	Other (452.16)	Other than brass (452.25)	
1981-82	22,121	3,915	56,651	5,952
1982-83	17,447	3,266	48,738	5,168
1983-84	20,797	3,077	48,350	4,053
1983—				
September	2,038	325	4,614	461
October	1,679	201	3,937	410
November	1,991	272	4,276	250
December	1,425	248	3,906	269
1984—				
January	447	100	1,482	151
February	1,773	259	4,149	413
March	2,229	300	5,605	287
April	1,365	193	3,155	313
May	2,378	332	4,759	361
June	2,088	317	4,047	233
July	1,779	346	3,684	n.p.
August	2,257	386	4,833	n.p.
September	1,958	309	4,020	n.p.
October	1,844	297	4,902	n.p.
November	2,012	435	5,838	274
1983-84 : July to Nov.	9,092	1,328	21,247	2,026
1984-85 : July to Nov.	9,850	1,773	23,277	1,308

(a) Includes wire rod produced and further used for drawing to single wire. (b) 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. (c) Drawn from rod (except redrawn). (d) 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)
1981-82	(b)25,126	(b)n.p.
1982-83	18,089	6,647
1983-84	17,167	6,311
1983—		
September		
October	1,817	646
November	1,244	554
December	1,359	517
	1,313	523
1984—		
January	381	187
February	1,095	601
March	1,720	916
April	1,386	497
May	2,100	558
June	1,962	428
July	1,283	374
August	2,205	439
September	2,509	291
October	2,157	579
November	1,513	779
1983-84 : July to Nov.	7,210	2,601
1984-85 : July to Nov.	9,667	2,462

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)
	Copper(d)		Aluminium(e) (464.39)		
	Paper insulated (464.28)	Otherwise insulated (464.29)		Copper(d) (464.44)	
	—tonnes—				
1981-82	3,401	34,099	(f)5,121	n.p.	88,221
1982-83	3,988	29,887	3,987	12,421	78,788
1983-84	3,094	30,037	3,066	13,270	98,136
1983—					
September	288	2,828	214	1,467	10,532
October	270	2,308	213	1,022	9,766
November	222	2,692	244	1,229	9,707
December	309	2,709	363	865	7,757
1984—					
January	134	955	51	315	4,648
February	246	2,919	277	1,119	9,994
March	372	2,956	303	1,360	9,956
April	228	2,207	278	856	4,035
May	268	2,748	347	1,128	6,561
June	285	2,640	236	1,210	4,810
July	215	2,662	251	1,156	6,935
August	263	2,587	310	1,220	7,001
September	169	2,920	345	1,073	5,518
October	310	3,023	293	1,151	5,470
November	261	3,162	333	1,255	6,202
1983-84 : July to Nov.	1,252	12,903	1,211	6,417	50,374
1984-85 : July to Nov.	1,218	14,354	1,532	5,855	31,126

(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. (g) Significantly revised since last issue.

NON-FERROUS REFINED METALS(a)

LAWN MOWERS

Lawn mowers with engine
(undercut rotary petrol type),
2 stroke or 4 stroke

Period	Precious metals						Original (699.31)	
	Copper (452.04)	Lead(b) (453.04)	Tin (456.04)	Zinc (457.04)	Silver (453.64)	Gold (455.04)		
	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 grams	'000 grams	number	Seasonally adjusted(c)
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	..
1983-84	166	190	2,937	300	273,788	30,661	284,108	..
1983—								
September	13.0	15.9	204	25.4	30,466	2,278	33,071	21,235
October	12.1	16.2	206	26.9	23,097	2,328	35,162	22,118
November	12.4	17.3	295	24.6	21,004	2,271	41,314	26,326
December	13.1	13.3	265	26.3	19,410	2,330	28,645	25,189
1984—								
January	11.8	15.1	193	26.8	20,316	2,211	22,542	26,592
February	12.7	16.6	268	20.6	17,447	2,306	29,084	29,983
March	17.0	21.7	250	26.8	22,546	2,861	17,243	23,426
April	14.2	17.0	146	25.8	22,962	1,856	8,325	15,583
May	17.0	8.8	303	24.5	22,676	3,347	10,447	28,998
June	14.9	12.6	311	20.4	20,793	3,478	17,630	29,486
July	13.9	19.1	240	28.4	18,987	2,596	20,260	23,229
August	15.0	19.0	214	26.5	21,305	3,289	26,174	21,407
September	11.3	19.2	266	25.1	25,257	3,048	28,051	17,904
October	16.7	15.0	260	25.5	29,684	2,839	26,787	16,992
November	14.3	15.5	202	25.2	27,663	3,574	40,433	25,800
1983-84: July to Nov.	65.7	85.1	1,201	128.5	127,638	12,272	150,192	..
1984-85: July to Nov.	71.3	87.7	1,182	130.8	122,896	15,346	141,705	..

PEDAL CYCLES(d)
(number)COKE
(*000 tonnes)

Period	Pedal cycles(d) (611.01)	Metallurgical coke (435.22)
1981-82	154,589	4,198
1982-83	125,406	3,131
1983-84	105,599	3,232
1981—		
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	740
1983—		
March qtr	14,687	680
June qtr	18,282	734
September qtr	33,147	799
December qtr	40,000	805
1984—		
March qtr	15,583	808
June qtr	16,869	819
September qtr	23,727	820

(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.