



AUSTRALIAN BUREAU OF STATISTICS Canberra

CATALOGUE NO. 8357.0

NOON 26 AUGUST 1982

PRODUCTION BULLETIN NO. 1: ELECTRICITY, GAS AND ELECTRICAL APPLIANCES AUSTRALIA, MAY 1982

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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 this publication 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, 1978-79* (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 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. 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. 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 monthly

Production Bulletin No. 8: Miscellaneous Products, Australia (8364.0)—issued monthly

Manufacturing Commodities, Selected Principal Articles Produced, Australia (Preliminary), 1979-80 (8365.0)

Manufacturing Commodities, Principal Articles Produced, Australia, 1978-79 and 1979-80 (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

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)
1978-79	74,684	16,173	90,857	..
1979-80	82,116	13,794	95,910	..
1980-81	85,888	14,894	100,782	..
1981—				
April	6,763	1,236	7,999	8,566
May	7,524	1,416	8,940	8,633
June	7,809	1,571	9,381	8,630
July	8,575	1,504	10,078	8,610
August	8,376	1,421	9,796	8,831
September	7,160	1,311	8,471	8,295
October	7,133	1,439	8,572	8,650
November	6,778	1,372	8,150	8,704
December	6,982	1,186	8,168	8,728
1982—				
January	7,239	927	8,166	8,845
February	7,066	837	7,903	9,005
March	7,605	1,001	8,606	8,769
April	7,073	997	8,070	8,673
May	7,548	1,205	8,753	8,456
1980-81 : July to May	78,078	13,322	91,401	..
1981-82 : July to May	81,534	13,200	94,734	..

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

Period	N.S.W.	Vic. and W.A.	Qld (499.42)	S.A. and N.T.	Tas.	Australia
1978-79	35,688	27,946	11,768	7,707	7,748	90,857
1979-80	37,863	29,609	12,613	7,923	7,903	95,910
1980-81	39,594	31,317	13,406	8,421	8,044	100,782
1981—						
April	2,979	2,669	1,074	641	636	7,999
May	3,588	2,760	1,147	719	726	8,940
June	3,896	2,812	1,175	765	733	9,381
July	4,167	3,118	1,219	790	785	10,078
August	3,864	3,107	1,281	776	769	9,796
September	3,290	2,621	1,216	667	676	8,471
October	3,161	2,768	1,292	669	682	8,772
November	2,917	2,725	1,200	666	641	8,150
December	2,697	2,902	1,211	679	679	8,168
1982—						
January	2,701	2,950	1,153	742	620	8,166
February	2,717	2,782	1,148	679	577	7,903
March	2,892	3,085	1,257	721	651	8,606
April	2,800	2,804	1,182	655	630	8,070
May	2,857	3,140	1,313	718	725	8,753
1980-81 : July to May	35,698	28,505	12,231	7,656	7,311	91,401
1981-82 : July to May	34,063	32,002	13,472	7,762	7,436	94,734

(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 AVAILABLE FOR ISSUE THROUGH MAINS(a)
(Million megajoules)

Period	N.S.W.	Vic.	Qld (434.19)	W.A.	S.A. and Tas.	Australia	
						Original	Seasonally adjusted (b)
1978-79	n.p.	n.p.	n.p.	31,259	n.p.	275,437	..
1979-80	n.p.	n.p.	n.p.	32,281	n.p.	318,541	..
1980-81	n.p.	n.p.	n.p.	32,651	n.p.	384,032	..
1981—							
April	n.p.	n.p.	n.p.	2,587	n.p.	31,388	33,587
May	n.p.	n.p.	n.p.	2,680	n.p.	37,459	35,165
June	n.p.	n.p.	n.p.	2,795	n.p.	41,362	35,689
July	n.p.	n.p.	n.p.	2,795	n.p.	43,558	34,330
August	n.p.	n.p.	n.p.	2,655	n.p.	42,398	35,577
September	n.p.	n.p.	n.p.	2,561	n.p.	33,827	31,041
October	n.p.	n.p.	n.p.	2,661	n.p.	34,962	35,201
November	n.p.	n.p.	n.p.	2,551	n.p.	33,480	36,731
December	n.p.	n.p.	n.p.	2,744	n.p.	32,445	37,607
1982—							
January	n.p.	n.p.	n.p.	2,616	n.p.	30,702	38,215
February	n.p.	n.p.	n.p.	2,316	n.p.	30,373	37,259
March	n.p.	n.p.	n.p.	2,468	n.p.	31,414	34,563
April	n.p.	n.p.	n.p.	2,416	n.p.	31,251	33,663
May	n.p.	n.p.	n.p.	2,570	n.p.	40,386	38,004
1980-81 : July to May	n.p.	n.p.	n.p.	29,856	n.p.	342,670	..
1981-82 : July to May	n.p.	n.p.	n.p.	28,353	n.p.	384,796	..

STORAGE BATTERIES—WET CELL(c)
(Number)

Period	Automotive starting, lighting and ignition						2 volt cells for:	
	6 volt		12 volt		Radio, home lighter and fencer batteries		Traction	Other batteries(d)
	New (685.13)	Rebuilt (685.15)	New (685.17)	Rebuilt (685.19)	New and rebuilt (685.33,35)		New (685.43)	(e)
1978-79	263,846	2,436	2,967,020	13,031	11,308	97,132	79,390	
1979-80	250,874	2,435	2,744,114	9,578	19,492	88,100	113,943	
1980-81	220,770	2,014	2,511,371	7,252	11,116	103,903	64,057	
1981—								
April	22,572	146	219,103	499	1,007	n.p.	3,777	
May	18,361	218	243,327	648	313	n.p.	4,312	
June	19,356	231	257,897	614	1,043	n.p.	7,233	
July	22,874	178	239,790	514	n.p.	10,701	5,775	
August	18,757	n.p.	218,172	445	n.p.	n.p.	5,025	
September	15,283	n.p.	194,685	391	1,128	n.p.	9,358	
October	14,965	96	203,676	380	2,176	11,469	9,685	
November	15,706	n.p.	188,888	633	1,414	n.p.	n.p.	
December	17,821	n.p.	179,487	587	n.p.	n.p.	n.p.	
1982—								
January	7,646	138	106,063	441	n.p.	3,575	3,477	
February	12,054	101	216,798	407	n.p.	8,133	7,250	
March	18,358	119	261,772	488	n.p.	11,189	8,951	
April	15,176	128	254,837	505	2,373	9,007	6,185	
May	15,269	163	239,233	576	2,976	6,329	9,159	
1980-81 : July to May	201,414	1,783	2,253,474	6,638	10,073	n.p.	56,824	
1981-82 : July to May	173,909	1,481	2,303,401	5,367	19,101	100,669	75,135	

(a) Includes natural gas.
(power plant installations).

(b) See paragraph 6, Explanatory notes.
(c) Code numbers 685.45, 53.55, 63.65.

(c) Includes dry charged batteries, but excludes dry-cell batteries.

(d) Includes plate

ELECTRICAL APPLIANCES(a)
(Number)

Period	Vacuum cleaners (692.02.04)	Hand irons (693.51, 61.63)	Dry shavers (699.01.03)	Toasters automatic and other (661.21.23)	Hot water jugs		Kettles (699.25)	Coffee makers (699.27.29)
					Automatic (699.22)	Other (699.23)		
1978-79	217,112	674,513	113,376	483,653	156,324	179,856	454,575	48,871
1979-80	245,524	n.p.	n.p.	624,643	180,594	152,028	490,114	n.p.
1980-81	235,308	n.p.	n.p.	721,786	211,233	146,582	510,785	n.p.
1981—								
April	19,504	n.p.	n.p.	72,792	21,669	11,141	56,573	n.p.
May	20,179	n.p.	n.p.	64,062	16,693	12,673	49,758	n.p.
June	19,614	n.p.	—	60,115	16,823	9,797	38,687	n.p.
July	20,056	n.p.	—	71,140	18,031	9,674	30,150	n.p.
August	19,291	n.p.	n.p.	69,410	16,143	12,630	24,818	n.p.
September	20,681	n.p.	n.p.	66,232	21,964	18,001	39,983	n.p.
October	17,753	n.p.	n.p.	75,734	17,009	n.p.	52,976	n.p.
November	19,794	n.p.	n.p.	47,187	14,389	n.p.	28,937	n.p.
December	20,297	n.p.	—	30,224	14,475	n.p.	22,895	n.p.
1982—								
January	7,101	n.p.	n.p.	24,330	7,769	n.p.	537	n.p.
February	15,618	n.p.	—	54,391	13,007	n.p.	35,272	n.p.
March	16,302	n.p.	—	58,691	13,382	n.p.	48,220	n.p.
April	12,630	n.p.	—	64,294	13,111	17,391	45,218	n.p.
May	n.p.	n.p.	—	48,716	n.p.	18,350	45,272	n.p.
1980-81: July to May	215,694	n.p.	n.p.	661,671	194,410	136,785	472,098	n.p.
1981-82: July to May	n.p.	n.p.	n.p.	610,349	n.p.	137,871	406,278	n.p.

ELECTRICAL APPLIANCES(a)—continued
(Number)

Period	Frypans(b) (661.33)	Mixers beater and pulveriser type (691.01.02)	Blankets (including mattress overlays)(c) low and main voltage (699.81.85)	Floor polishers(d) (692.21.23)	Propeller type fans (complete)(e) (696.01-05)	Radiators, electric fires, and room heaters	
						With visible heating units (651.11)	Other types (651.14-20)
1978-79	379,280	247,619	623,999	8,948	410,586	438,693	253,931
1979-80	n.p.	264,815	530,809	7,848	505,385	371,496	265,212
1980-81	n.p.	289,746	429,671	5,791	634,657	283,633	317,810
1981—							
March	n.p.	16,706	57,925	n.p.	49,343	14,522	n.p.
April	n.p.	20,635	63,565	n.p.	45,414	53,311	59,664
May	n.p.	n.p.	51,873	n.p.	39,246	34,116	57,474
June	n.p.	n.p.	36,781	n.p.	28,819	25,586	49,714
July	n.p.	n.p.	n.p.	n.p.	45,861	34,544	24,072
August	n.p.	n.p.	n.p.	n.p.	57,012	n.p.	7,420
September	n.p.	n.p.	n.p.	n.p.	77,077	n.p.	6,371
October	n.p.	n.p.	n.p.	n.p.	83,002	n.p.	1,596
November	n.p.	n.p.	n.p.	n.p.	66,882	n.p.	1,060
December	n.p.	n.p.	n.p.	n.p.	28,645	n.p.	n.p.
1982—							
January	n.p.	n.p.	n.p.	n.p.	19,920	n.p.	n.p.
February	n.p.	n.p.	n.p.	n.p.	40,126	n.p.	n.p.
March	n.p.	n.p.	n.p.	n.p.	50,308	n.p.	78,869
April	n.p.	n.p.	n.p.	n.p.	59,518	53,324	62,169
May	n.p.	n.p.	n.p.	n.p.	19,772	41,553	64,430
1980-81: July to May	n.p.	n.p.	392,890	n.p.	605,838	258,047	268,096
1981-82: July to May	n.p.	n.p.	n.p.	n.p.	548,123	270,151	298,664

(a) Domestic unless otherwise stated. Excludes stoves and hot water systems. (b) Includes deep fryers, electric saucepans and the like. (c) Excludes heating pads. (d) Includes commercial type. (e) Excludes fans incorporated in other equipment or used with ducting.

ELECTRICAL APPLIANCES(a)—continued
(Number)

Period	Refrigerators (electric)					Air conditioners (complete units)				
	Twin door			Total		Package units				
	Single door (657.33)	Frost free (657.34)	Other (657.35)	Original	Seasonally adjusted (b)	Room refrigerated (657.03, 05)	Capacity			Total
							Up to and incl. 17.5 kw (657.21)	Over 17.5 kw up to and incl. 35 kw (657.22)	Over 35 kw (657.23)	
1978-79	87,196	52,271	94,986	234,453	..	45,410	22,191	1,503	1,161	70,265
1979-80	96,317	54,463	123,617	274,397	..	61,430	28,507	1,482	1,075	92,494
1980-81	130,559	65,955	131,096	327,610	..	58,202	29,417	1,611	1,118	90,348
1981—										
April	9,700	4,327	9,496	23,523	31,098	n.p.	1,786	122	n.p.	5,373
May	11,119	5,139	9,243	25,501	27,603	n.p.	1,715	188	n.p.	6,835
June	10,595	7,275	12,291	30,165	29,639	n.p.	2,377	187	n.p.	8,333
July	13,151	6,374	15,005	34,530	30,108	n.p.	3,635	122	n.p.	9,629
August	13,252	6,095	12,927	32,274	28,809	n.p.	3,204	267	n.p.	9,928
September	13,631	6,874	12,056	32,561	27,585	n.p.	3,451	225	n.p.	12,614
October	12,426	7,053	13,008	32,487	27,565	n.p.	4,488	236	n.p.	11,405
November	13,181	4,611	11,320	29,112	25,301	n.p.	4,178	157	n.p.	11,534
December	11,722	3,616	11,849	27,187	30,269	n.p.	3,211	123	n.p.	8,936
1982—										
January	5,786	3,468	5,592	14,846	24,790	n.p.	1,255	200	n.p.	4,448
February	13,013	4,742	13,352	31,107	34,455	n.p.	2,206	88	n.p.	5,463
March	11,285	6,170	14,170	31,625	28,088	n.p.	2,544	201	n.p.	7,412
April	10,904	5,123	13,299	29,326	39,759	n.p.	1,710	300	n.p.	4,685
May	9,854	5,299	9,981	25,134	26,786	n.p.	1,094	284	n.p.	5,671
1980-81 : July to May	119,964	58,676	118,805	297,445	..	n.p.	27,040	1,424	n.p.	82,015
1981-82 : July to May	128,205	59,425	132,559	320,189	..	n.p.	32,976	2,203	n.p.	91,725

ELECTRICAL APPLIANCES(a)—continued
(Number)

Period	Clothes washing machines						Total Seasonally adjusted (b)	Clothes dryers, rotary and cabinet type (693.25-27)
	Domestic freezers		Fully automatic (d) (693.02)	Semi- automatic(c) and wringer drying (693.06, 12)	Spin- drying (693.16, 18)	Original		
	Upright (657.53)	Chest (657.54)						
1978-79	25,394	64,983	283,117	25,547	47,171	355,835	..	196,637
1979-80	43,832	n.p.	306,530	n.p.	n.p.	362,038	..	n.p.
1980-81	65,444	n.p.	327,486	n.p.	n.p.	374,973	..	n.p.
1981—								
April	6,051	n.p.	23,282	n.p.	n.p.	26,337	32,858	n.p.
May	4,858	n.p.	28,574	n.p.	n.p.	31,371	29,568	n.p.
June	7,648	n.p.	30,962	n.p.	n.p.	34,323	31,953	n.p.
July	8,372	n.p.	n.p.	n.p.	n.p.	30,428	25,901	n.p.
August	9,029	n.p.	n.p.	n.p.	n.p.	30,542	26,855	n.p.
September	7,699	n.p.	n.p.	n.p.	n.p.	34,482	29,123	n.p.
October	8,679	n.p.	n.p.	n.p.	n.p.	35,632	31,186	n.p.
November	4,723	n.p.	n.p.	n.p.	n.p.	27,356	25,811	n.p.
December	5,466	n.p.	n.p.	n.p.	n.p.	28,849	33,586	n.p.
1982—								
January	3,285	n.p.	18,138	n.p.	n.p.	19,352	34,988	n.p.
February	4,092	n.p.	27,050	n.p.	n.p.	29,089	32,712	n.p.
March	6,293	n.p.	30,156	n.p.	n.p.	32,300	30,261	n.p.
April	4,206	n.p.	20,575	n.p.	n.p.	22,684	29,516	n.p.
May	3,058	n.p.	n.p.	n.p.	n.p.	23,030	21,656	n.p.
1980-81 : July to May	57,796	n.p.	296,524	n.p.	n.p.	340,650	..	n.p.
1981-82 : July to May	65,412	n.p.	n.p.	n.p.	n.p.	313,744	..	n.p.

(a) Domestic unless otherwise stated. (b) See paragraph 6, Explanatory notes. (c) Incorporating a timing device but requiring a separate setting of controls to perform each function e.g. washing, rinsing, drying. (d) Complete washing cycle with one set of controls.

ELECTRIC MOTORS UNDER 720W(a)
(' 000)

Period	Up to and including 16W (503.13)	Over 16W up to and including 40W (503.14)	Over 40W up to and including 80W (503.15)	Over 80W up to and including 130W (503.16)	Over 130W up to and including 190W (503.22)	Over 190W up to and including 260W (503.23)	Over 260W up to and including 380W (503.24)	Over 380W and under 720W (502.25,26)	Total under 720W	
									Original	Seas. adj. (b)
1978-79	523	102	134	699	645	304	115	320	2,841	...
1979-80	431	104	302	946	787	289	101	391	3,352	...
1980-81	395	143	385	931	808	279	241	476	3,648	...
1981—										
April	29	15.2	38.0	68.8	51.5	15.4	33.3	33.7	285	320
May	38	4.3	24.6	68.9	44.2	47.6	29.8	35.2	292	333
June	33	10.0	24.0	88.6	38.4	21.6	29.5	38.0	283	293
July	38	n.p.	44.4	94.5	63.5	73.5	n.p.	37.6	347	318
August	37	n.p.	43.1	111.0	50.3	20.2	n.p.	34.7	344	318
September	27	14.4	34.1	134.8	54.7	24.2	31.6	42.4	363	273
October	39	20.5	34.0	109.7	85.5	25.4	35.1	35.3	384	338
November	38	11.2	34.2	107.4	46.6	12.8	30.1	30.9	311	265
December	34	13.3	10.7	92.3	38.1	20.0	31.7	27.1	267	246
1982—										
January	14	3.4	12.2	63.7	32.8	8.4	17.1	12.9	164	397
February	30	9.5	35.8	98.6	37.8	24.0	27.5	23.7	287	312
March	42	6.9	42.9	78.8	68.5	17.3	41.6	20.4	319	300
April	36	3.4	48.1	73.8	48.6	17.1	23.5	18.9	270	320
May	29	1.7	21.2	55.7	23.4	20.2	23.9	15.3	191	218
1980-81 : July to May	361	133	361	842	770	258	212	428	3,364	...
1981-82 : July to May	365	115	361	1,020	550	213	324	299	3,247	...

ELECTRIC MOTORS 720W AND OVER(a)
(' 000)

Period	720W and under 1850W (503.27)	1850W and under 3710W (503.28)	371 kW and under 7.2 kW (503.29)	7.2 kW and under 37.1 kW (503.30)	37.1 kW and under 72 kW (503.31)	72 kW and over 72 kW (503.32)	Total 720W and over		Total electric motors
							Original	Seas. adj. (b)	
1978-79	315	15.1	8.0	6.2	0.65	0.98	346	...	3,187
1979-80	337	13.4	9.0	7.2	0.94	1.10	368	...	3,720
1980-81	329	15.9	7.1	6.2	0.89	0.84	360	...	4,008
1981—									
April	29.8	1.50	0.70	0.56	0.07	0.06	32.7	37.5	317
May	34.3	1.50	0.60	0.45	0.10	0.09	37.0	35.1	329
June	28.1	1.05	0.83	0.49	0.08	0.07	30.6	31.6	314
July	31.8	1.75	0.56	0.76	0.05	0.05	35.0	31.3	382
August	30.1	1.14	1.05	0.54	0.11	0.13	33.1	30.0	377
September	31.2	1.24	0.65	0.76	0.07	0.11	34.1	32.1	397
October	42.3	1.23	0.35	0.89	0.11	0.11	45.0	37.1	429
November	34.1	0.93	0.67	0.45	0.08	0.11	36.3	30.4	347
December	34.3	1.08	0.45	0.57	0.06	0.11	36.5	37.5	304
1982—									
January	17.1	0.38	0.27	0.30	0.05	0.08	18.1	45.9	182
February	26.7	1.16	0.89	0.43	0.07	0.13	29.3	31.3	316
March	30.4	1.24	0.37	0.67	0.11	0.16	32.9	30.0	352
April	21.9	1.04	0.61	0.61	0.12	0.11	24.4	28.1	294
May	19.2	0.93	0.41	0.38	0.06	0.14	21.1	19.8	212
1980-81 : July to May	301	14.8	6.22	5.66	0.82	0.77	329	...	3,694
1981-82 : July to May	319	12.1	6.28	6.34	0.89	1.28	346	...	3,593

(a) Includes those made and incorporated in manufacturers' own products.

(b) See paragraph 6, Explanatory notes.

COLOUR TELEVISION SETS AND TELEVISION RECEIVING ANTENNAE
(Number)

Period	Colour television sets			Television receiving antennae		
	Up to and incl. 51 cm (643.37.38)	Over 51 cm up to and incl. 56 cm (643.59)	Over 56 cm (643.60)	Total		Indoor (incl. in built telescopic type) (649.43)
				Original	Seasonally adjusted(a)	
1978-79	101,732	95,422	87,021	284,181	..	181,162
1979-80	128,178	100,173	96,497	324,848	..	149,442
1980-81	160,868	111,463	100,921	373,252	..	187,452
1981—						
April	13,570	8,554	7,690	29,814	31,502	16,805
May	17,311	7,969	9,397	34,677	32,834	16,909
June	12,390	10,136	11,381	33,907	33,535	12,291
July	19,101	10,297	10,319	39,717	32,866	8,697
August	15,276	9,555	7,838	32,669	32,109	14,276
September	17,204	10,091	9,172	36,467	31,222	10,984
October	16,587	10,689	11,388	38,664	34,158	19,013
November	15,394	9,657	7,227	32,278	29,411	17,660
December	10,511	6,733	7,357	24,601	28,069	16,479
1982—						
January	5,552	3,489	5,338	14,379	36,290	n.p.
February	10,371	9,651	7,997	28,019	30,212	n.p.
March	10,618	11,233	6,852	28,703	25,670	n.p.
April	10,572	7,124	7,941	25,637	26,873	n.p.
May	10,177	9,423	4,207	23,807	23,282	n.p.
1980-81 : July to May	148,478	101,327	89,540	339,345	..	175,161
1981-82 : July to May	141,363	97,942	85,636	324,941	..	n.p.

GRAMOPHONE RECORDS AND CASSETTE TAPES
('000)

Period	Single play (646.35.65)	Extended play (646.37.41, 67.71)	Long play (b) (23 cm and 30 cm) (646.43.45, 73.75)	Total	'Stereo' records included in previous columns (646.65.67, 71.73.75)	Cassette tapes pre-recorded (647.01)
1978-79	8,424	266	22,014	30,704	28,566	12,861
1979-80	11,254	311	22,624	34,190	31,899	12,748
1980-81	11,438	168	22,385	33,992	32,747	13,687
1978—						
December qtr	1,928	71.0	6,768	8,766	8,239	3,837
1979—						
March qtr	2,167	44.0	4,810	7,022	6,615	3,105
June qtr	2,515	121.6	4,705	7,341	6,639	2,898
September qtr	3,003	115.7	5,361	8,479	7,716	2,750
December qtr	2,842	88.8	6,772	9,703	9,167	3,747
1980—						
March qtr	2,507	47.9	4,739	7,293	6,937	2,914
June qtr	2,902	58.5	5,753	8,714	8,079	3,337
September qtr	2,640	33.7	5,304	7,977	7,284	2,888
December qtr	2,879	33.1	6,679	9,592	9,041	3,841
1981—						
March qtr	2,316	33.3	5,048	7,397	7,397	3,273
June qtr	3,603	68.4	5,354	9,025	9,025	3,685
September qtr	2,609	25.7	5,700	8,334	8,334	4,426
December qtr	n.p.	n.p.	6,413	9,109	9,109	4,297
1982—						
March qtr	n.p.	n.p.	3,592	5,391	5,391	2,534
1980-81 : July to Mar.	7,835	100	17,032	24,966	23,722	10,002
1981-82 : July to Mar.	n.p.	n.p.	15,705	22,834	22,834	11,257

(a) See paragraph 6, explanatory notes. (b) Mainly 30 cm L.P.'s.

**ELECTRICAL POWER FREQUENCIES TRANSFORMERS, CHOKES AND
BALLASTS FOR TRANSMISSION AND DISTRIBUTION OF POWER(a)**
(Number)

Period	Over 1 kVA up to and including 50 kVA		Over 50 kVA up to and including 500 kVA	Over 500 kVA up to and including 1,000 kVA	Over 1,000 kVA up to and including 10,000 kVA	Over 10,000 kVA	Total
	Single phase (683.03)	Three phase (683.04)	(683.05)	(683.07)	(683.09)	(683.11)	
1978-79	11,997	2,182	4,277	609	239	64	19,368
1979-80	11,445	2,896	4,167	583	294	83	19,468
1980-81	11,788	3,439	4,757	765	464	70	21,283
1981—							
April	944	247	396	54	n.p.	n.p.	1,687
May	1,088	268	453	69	n.p.	n.p.	1,933
June	1,300	207	513	92	n.p.	n.p.	2,156
July	912	314	496	47	n.p.	n.p.	1,815
August	934	262	562	75	n.p.	n.p.	1,869
September	1,103	180	512	53	n.p.	n.p.	1,901
October	827	265	536	68	n.p.	n.p.	1,735
November	688	165	409	28	n.p.	n.p.	1,325
December	1,118	278	468	87	n.p.	n.p.	2,003
1982—							
January	244	190	186	22	n.p.	n.p.	664
February	823	316	356	68	n.p.	n.p.	1,608
March	859	456	456	96	n.p.	n.p.	1,920
April	765	332	465	81	n.p.	n.p.	1,684
May	828	336	555	71	n.p.	n.p.	1,855
1980-81 : July to May	10,488	3,232	4,244	673	n.p.	n.p.	19,127
1981-82 : July to May	9,101	3,094	5,001	696	n.p.	n.p.	18,379

ELECTRICAL POWER FREQUENCIES TRANSFORMERS, ETC.
(Total kVA)

Period	Over 1 kVA up to and including 50 kVA		Over 50 kVA up to and including 500 kVA	Over 500 kVA up to and including 1,000 kVA	Over 1,000 kVA up to and including 10,000 kVA	Over 10,000 kVA	Total
	Single phase (683.53)	Three phase (683.54)	(683.55)	(683.57)	(683.59)	(683.61)	
1978-79	186,269	52,403	1,048,972	511,187	735,190	2,965,000	5,499,021
1979-80	138,127	89,104	979,799	505,950	838,878	3,213,500	5,765,358
1980-81	160,015	101,258	1,126,634	644,925	1,346,662	4,039,500	7,418,994
1981—							
April	12,947	8,324	93,780	49,000	n.p.	n.p.	765,251
May	15,942	9,111	102,868	59,100	n.p.	n.p.	1,118,691
June	17,985	7,540	106,700	79,500	n.p.	n.p.	652,925
July	10,014	11,358	105,400	41,362	n.p.	n.p.	818,636
August	11,152	10,101	119,740	56,550	n.p.	n.p.	555,008
September	13,706	5,701	127,200	47,465	n.p.	n.p.	867,432
October	11,014	6,459	119,927	56,650	n.p.	n.p.	515,730
November	8,287	3,037	94,000	24,550	n.p.	n.p.	513,024
December	18,401	8,634	106,830	82,550	n.p.	n.p.	571,133
1982—							
January	2,166	7,066	50,800	17,000	n.p.	n.p.	590,182
February	11,998	9,969	74,630	57,635	n.p.	n.p.	1,161,003
March	13,455	12,072	113,000	83,100	n.p.	n.p.	724,431
April	9,817	9,835	107,235	65,388	n.p.	n.p.	351,525
May	11,141	7,996	132,850	62,000	n.p.	n.p.	544,737
1980-81 : July to May	142,030	93,718	1,019,934	565,425	n.p.	n.p.	6,766,069
1981-82 : July to May	121,151	92,278	1,151,612	594,250	n.p.	n.p.	7,212,841

(a) Includes those made for incorporation by manufacturers in own products. Excludes audio, input R. F. and higher frequency types and automotive coils. Dual rating transformers are classified according to the maximum capacity at which they can operate as constructed at the time of manufacture.

**ELECTRICAL POWER FREQUENCIES, TRANSFORMERS, CHOKES AND BALLASTS
FOR PURPOSES OTHER THAN TRANSMISSION AND DISTRIBUTION OF POWER
(Number)**

Period	For fluorescent and neon lighting and signs—hot cathode			Total	For sodium and mercury vapour type signs (683.23)	For other lighting and signs (683.24)	For electrical welding equipment (683.31)
	Under 40 watts (683.13)	40 watts (683.16)	Over 40 watts (683.18)				
1978-79	923,994	3,201,206	437,264	4,562,464	120,211	42,057	48,542
1979-80	1,044,866	2,797,572	521,860	4,364,298	144,237	n.p.	43,347
1980-81	1,050,073	3,577,626	424,158	5,051,857	n.p.	n.p.	41,798
1981—							
April	68,046	n.p.	n.p.	339,780	n.p.	—	2,539
May	83,017	n.p.	n.p.	373,314	n.p.	n.p.	3,882
June	73,498	n.p.	n.p.	403,107	n.p.	—	4,106
July	61,660	351,867	39,919	453,246	n.p.	—	3,450
August	95,173	293,064	45,088	433,325	n.p.	n.p.	4,074
September	103,633	276,963	40,805	421,401	n.p.	—	4,812
October	89,084	n.p.	n.p.	497,104	n.p.	n.p.	3,903
November	111,728	n.p.	n.p.	475,774	n.p.	n.p.	3,320
December	52,928	253,822	15,398	322,148	n.p.	n.p.	3,596
1982—							
January	12,551	203,744	26,629	242,924	n.p.	n.p.	1,191
February	110,442	347,161	27,789	485,392	n.p.	n.p.	3,372
March	109,040	n.p.	n.p.	491,347	n.p.	n.p.	4,120
April	61,469	n.p.	n.p.	341,184	n.p.	n.p.	3,065
May	53,772	259,400	51,184	364,356	n.p.	n.p.	3,175
1980-81 : July to May	976,575	n.p.	n.p.	4,648,750	n.p.	n.p.	37,692
1981-82 : July to May	861,480	3,246,883	419,838	4,528,201	n.p.	n.p.	38,078

**ELECTRICAL POWER FREQUENCIES, TRANSFORMERS, CHOKES AND BALLASTS
FOR PURPOSES OTHER THAN TRANSMISSION AND DISTRIBUTION OF POWER—continued
(Number)**

Period	For radio and television receivers, record players, etc. (649.51,55)	For other purposes				
		Up to and including 1 kVA			Over 1 kVA up to and including 50 kVA (683.43)	Over 50 kVA (683.45)
		For current metering and protective purposes		Other (683.40)		
		Up to and including 600 volts (683.38)	Over 600 volts (683.39)			
1978-79	85,385	236,562	4,097	416,016	14,427	284
1979-80	n.p.	126,512	6,516	503,713	7,594	275
1980-81	n.p.	131,588	5,330	618,478	8,618	277
1981—						
April	n.p.	10,574	605	47,582	766	6
May	n.p.	10,366	386	47,866	736	29
June	n.p.	14,574	636	22,133	744	13
July	n.p.	10,303	689	47,711	895	13
August	n.p.	10,343	467	47,226	716	17
September	n.p.	8,444	797	52,406	883	15
October	n.p.	10,766	977	50,029	733	26
November	n.p.	10,961	1,360	54,734	639	25
December	n.p.	9,194	766	48,812	885	23
1982—						
January	n.p.	5,731	645	16,815	438	—
February	n.p.	7,776	701	46,912	699	11
March	n.p.	11,622	1,544	49,841	630	23
April	n.p.	8,418	280	35,248	646	21
May	n.p.	9,018	420	46,617	522	21
1980-81 : July to May	n.p.	117,014	4,694	596,345	7,874	264
1981-82 : July to May	n.p.	102,576	8,646	496,351	7,986	195

ELECTRODES FOR MANUAL WELDING, AND METERS(a)

Period	Electrodes for manual welding ('000 kilograms)				Meters (number)		
	For mild alloy steels (523.76)	For 'specials' and (incl. stainless steel) (523.77)	For hardfacing applications (523.78)	Total	Electricity consumption meters (702.01)	Gas consumption meters (703.01)	Water consumption meters (703.11)
1978-79	18,578	381	968	19,928	233,275	94,212	166,544
1979-80	21,134	447	1,137	22,718	n.p.	n.p.	174,698
1980-81	22,124	303	733	23,159	n.p.	n.p.	171,492
1978— December qtr	4,735	88.9	222	5,046	n.p.	n.p.	40,955
1979— March qtr	3,380	59.9	187	3,626	n.p.	n.p.	38,467
June qtr	5,396	112.2	337	5,845	n.p.	n.p.	44,987
September qtr	5,816	99.5	259	6,174	n.p.	n.p.	39,985
December qtr	5,423	113.5	407	5,943	n.p.	n.p.	49,694
1980— March qtr	4,551	107.2	209	4,867	n.p.	n.p.	39,138
June qtr	5,345	127.2	262	5,734	n.p.	n.p.	45,881
September qtr	5,588	65.2	258	5,911	n.p.	n.p.	46,207
December qtr	5,688	101.8	183	5,973	n.p.	n.p.	42,057
1981— March qtr	4,789	53.0	124	4,966	n.p.	n.p.	34,223
June qtr	6,059	82.7	168	6,309	n.p.	n.p.	49,005
September qtr	6,378	106.9	224	6,709	n.p.	n.p.	40,245
December qtr	5,304	45.3	208	5,557	n.p.	n.p.	48,795
1982— March qtr	4,385	48.4	190	4,623	n.p.	n.p.	39,361
1980-81: July to Mar.	16,065	220	565	16,850	n.p.	n.p.	122,487
1981-82: July to Mar.	16,067	201	622	16,890	n.p.	n.p.	128,401

(a) Excludes reconditioned meters.