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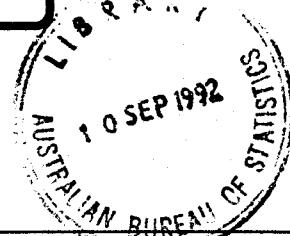
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RETAIL TRADE
AUSTRALIA, JULY 1992



Note: This publication contains revisions to the monthly seasonally adjusted and trend series as a result of the annual seasonal re-analysis. Revisions to the quarterly Constant Price series will be contained in the September issue of this publication.

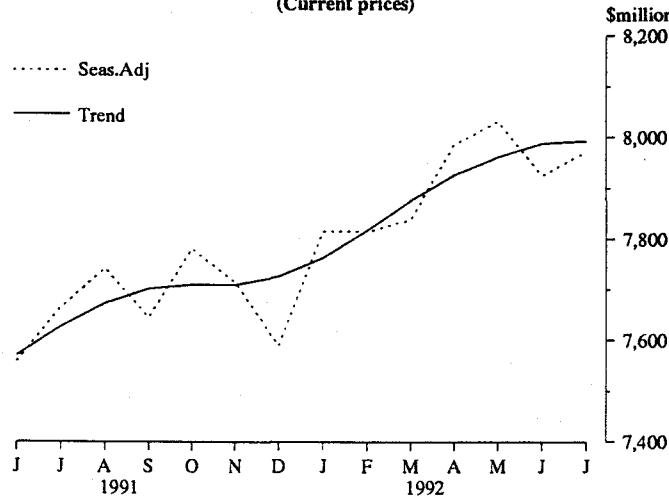
SUMMARY OF FINDINGS

Australian estimates

The seasonally adjusted estimate of turnover for retail and selected service establishments rose by 0.6 per cent in July 1992. This follows a fall of 1.3 per cent in June and a rise of 0.6 per cent in May. In original terms the estimate of turnover rose by 3.6 per cent to \$7,861.1 million.

With the addition of July data the growth in the trend continues to flatten, with average growth over the last three months now at 0.3 per cent. Readers should exercise care in the interpretation of movements in the current price data during periods of decline in the rate of inflation.

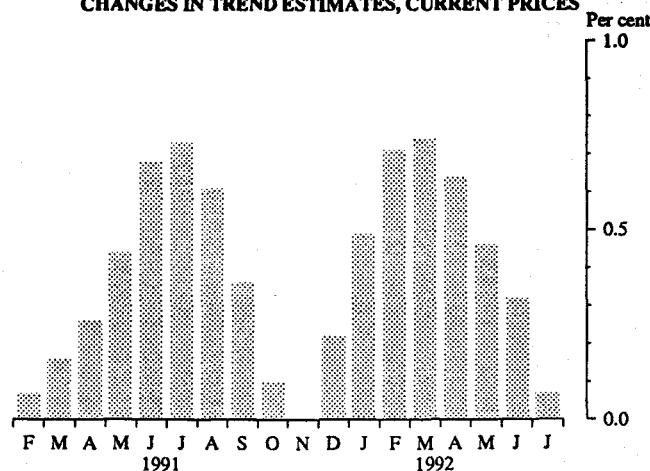
CHART 1: TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS, MONTHLY ESTIMATES, AUSTRALIA
(Current prices)



INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, contact Bill Powell on Canberra (06) 252 6132 or any ABS office.
- for further information about constant price estimates contact Alan Tryde on Canberra (06) 252 6801.
- for information about other ABS statistics and services please contact Information Services on Canberra (06) 252 6627, 252 5402, 252 6007 or any ABS State office.

CHART2: TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS, AUSTRALIA, MONTHLY PERCENTAGE CHANGES IN TREND ESTIMATES, CURRENT PRICES



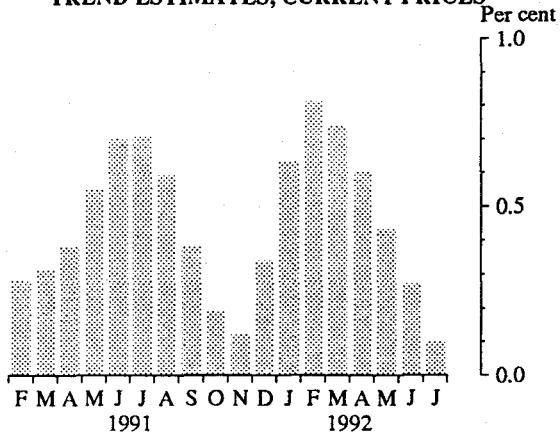
Industry trends

Grocers, which is the largest industry covered by the survey, is averaging a relatively strong 0.8 per cent over the three months ended July 1992. Hotels, liquor stores and licensed clubs are showing average growth of 0.3 per cent over the same period. The remaining major industries, Department stores, Clothing and fabric stores, and Other food stores (take away food stores, fish shops, bread and cake shops, ice cream parlours, etc) are all currently in decline (see table below).

PERCENTAGE CHANGE IN TREND ESTIMATES OF TURNOVER

Industry	Average monthly increase for 3 months to July 1992	Average monthly increase for 12 months to July 1992
Grocers	0.8	0.6
Other food stores (excluding Butchers)	-0.9	0.6
Hotels, liquor stores, licensed clubs	0.3	-0.1
Department and general stores	-0.5	0.3
Clothing and fabrics stores	-0.1	0.4
Total all industries	0.3	0.4

CHART3: TURNOVER OF RETAIL ESTABLISHMENTS, AUSTRALIA, MONTHLY PERCENTAGE CHANGES IN TREND ESTIMATES, CURRENT PRICES



Over the three months ended July 1992 the *retail* industries are showing average growth of 0.3 per cent, which is the same as the all industries growth rate.

State trends

All States are experiencing a weakening in the growth rate of the trend estimates over recent months. New South Wales and Western Australia (0.2 per cent), and Victoria (0.3 per cent) are showing weak growth over the three months ended July. Tasmania and Queensland are slightly stronger, showing moderate growth of 0.5 per cent and 0.4 per cent per month respectively over the same period. South Australia and the Australian Capital Territory are currently in decline.

TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS, AUSTRALIA

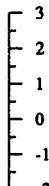
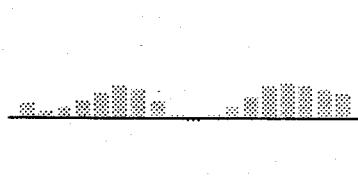
**TREND ESTIMATES, MONTHLY CHANGES
CURRENT PRICES, SELECTED INDUSTRIES**
Percentage change from preceding month

TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS

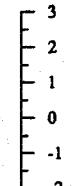
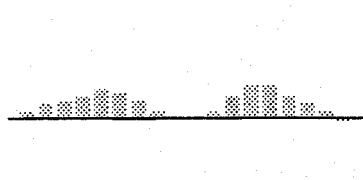
**TREND ESTIMATES, MONTHLY CHANGES
CURRENT PRICES, STATES**
Percentage change from preceding month

CHART 4: GROCERS

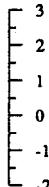
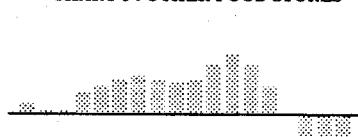
Per cent

**CHART 10: NEW SOUTH WALES**

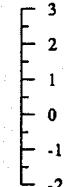
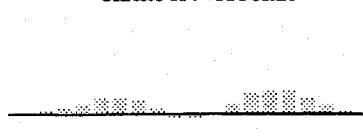
Per cent

**CHART 5 : OTHER FOOD STORES**

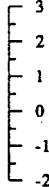
Per cent

**CHART 11 : VICTORIA**

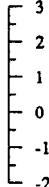
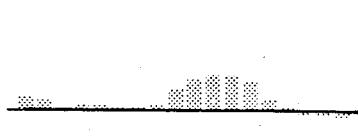
Per cent

**CHART 6 : HOTELS, CLUBS etc**

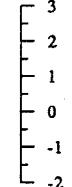
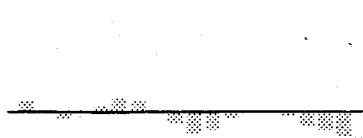
Per cent

**CHART 7 : CLOTHING STORES etc**

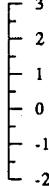
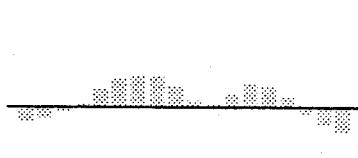
Per cent

**CHART 13 : SOUTH AUSTRALIA**

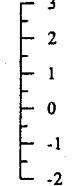
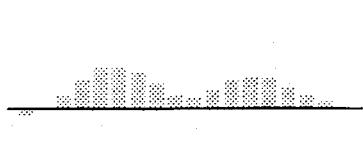
Per cent

**CHART 8 : DEPARTMENT STORES**

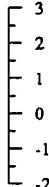
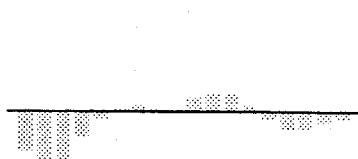
Per cent

**CHART 14 : WESTERN AUSTRALIA**

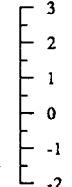
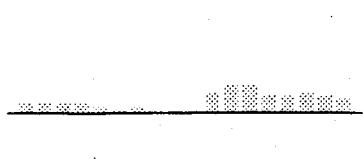
Per cent

**CHART 9 : ELECTRICAL GOODS STORES**

Per cent

**CHART 15 : TASMANIA**

Per cent



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1991 1992

FMAMJ JASONDJ FMAMJJ
1991 1992

TABLE 1. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, AUSTRALIA (a)

Month	Original		Seasonally adjusted		Trend estimates (b)	
	\$m	% change from preceding month	% change from corresponding month of previous year	\$m	% change from preceding month	% change from corresponding month of previous year
		preceding month	month of previous year		preceding month	
1991 —						
May	7,532.6	6.4	3.3	7,529.3	3.1	7,521.3
June	7,060.6	-6.3	-1.4	7,560.3	0.4	7,572.4
July	7,471.3	5.8	7.1	7,666.3	1.4	7,627.7
August	7,577.9	1.4	4.1	7,742.9	1.0	7,674.3
September	7,221.4	-4.7	2.2	7,645.4	-1.3	7,702.2
October	7,894.1	9.3	6.2	7,781.8	1.8	7,709.6
November	8,043.3	1.9	3.4	7,714.6	-0.9	7,709.9
December	10,053.4	25.0	3.2	7,589.7	-1.6	7,726.7
1992 —						
January	7,643.4	-24.0	5.4	7,818.0	3.0	7,764.5
February	7,129.2	-6.7	7.8	7,815.9	0.0	7,819.3
March	7,498.7	5.2	3.1	7,841.3	0.3	7,877.0
April	7,728.9	3.1	9.1	7,987.2	1.9	7,927.1
May	7,835.1	1.4	4.0	8,033.2	0.6	7,963.4
June	7,589.8	-3.1	7.5	7,926.2	-1.3	7,988.5
July	7,861.1	3.6	5.2	7,972.5	0.6	7,994.4
<i>Standard error (c) of</i>						
Latest month	62.4					
Change from previous month	29.4	0.4				

(a) Excludes motor vehicle dealers, petrol stations, etc. (b) Subject to revision - see from paragraph 21 of Explanatory Notes. (c) See paragraphs 9 to 13 of Explanatory Notes.

TABLE 2. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
QUARTERLY ESTIMATES, AUSTRALIA (a)

Quarter	Original		Seasonally adjusted						
	\$m	% change from preceding quarter	% change from corresponding quarter of previous year	\$m					
		preceding quarter	quarter of previous year						
AT CURRENT PRICES									
1991 —									
June	21,675.7	2.5	1.6	22,365.8	-0.9				
September	22,270.6	2.7	4.5	23,090.8	3.2				
December	25,990.8	16.7	4.1	23,061.2	-0.1				
1992 —									
March	22,271.3	-14.3	5.3	23,496.7	1.9				
June	23,165.8	4.0	6.9	23,932.0	1.9				
AT CONSTANT (AVERAGE 1984-85) PRICES									
1991 —									
June	14,557.3	1.9	-2.1	15,047.9	-1.1				
September	14,910.3	2.4	0.8	15,473.5	2.8				
December	17,318.7	16.2	1.2	15,356.4	-0.8				
1992 —									
March	14,755.6	-14.8	3.3	15,532.7	1.1				
June	15,252.9	3.4	4.8	15,785.0	1.6				

(a) Excludes motor vehicle dealers, petrol stations, etc.

TABLE 3. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES BY INDUSTRY, AT CURRENT PRICES, AUSTRALIA (a)—continued

Month	Grocers, confectioners, tobacconists	Hotels, liquor stores, licensed clubs	Other food stores	Butchers	TREND ESTIMATES (c)						News- agents	Other stores	Total	
					Cafes and restau- rants	Clothing and fabrics stores	Depart- ment and general stores	Domestic hardware stores, jewellers	Elec- trical goods stores	Furni- ture stores	Floor- cover- ings stores	Pharma- cies		
<i>1991—</i>														
May	0.5	-0.3	0.6	-0.3	n.p.	0.2	0.1	-1.2	1.6	-0.7	1.0	0.8	3.8	1.2
June	0.7	-0.2	0.8	-0.6	n.p.	0.2	0.5	-0.3	1.5	-0.2	1.2	1.1	2.4	0.8
July	0.9	-0.3	1.0	-0.8	n.p.	0.1	0.8	0.5	1.1	0.1	1.3	1.6	0.8	0.5
August	0.8	-0.2	1.1	-0.9	n.p.	0.1	0.9	1.1	0.2	0.2	1.2	2.2	-0.6	0.4
September	0.5	-0.3	1.0	-0.9	n.p.	0.2	0.9	1.8	-1.1	0.1	0.7	2.1	-1.5	0.5
October	0.1	-0.2	0.9	-0.7	n.p.	0.6	0.6	2.0	-1.8	0.1	0.2	1.3	-1.8	0.5
November	-0.1	-0.1	1.0	-0.4	n.p.	0.9	0.2	1.9	-1.2	0.4	-0.2	0.4	-1.4	0.6
December	0.1	0.2	1.4	-0.1	n.p.	1.0	0.1	1.4	0.4	0.5	0.0	-1.3	-0.5	1.1
<i>1992—</i>														
January	0.3	0.6	1.7	0.1	n.p.	1.0	0.4	0.8	2.2	0.5	0.3	-2.4	0.4	1.2
February	0.6	1.0	1.4	0.2	n.p.	0.8	0.7	0.5	3.2	0.2	0.7	-2.1	1.1	0.8
March	0.9	1.1	0.8	0.2	n.p.	0.3	0.6	0.2	3.2	-0.2	0.7	-0.9	1.3	0.1
April	1.0	1.0	0.0	0.2	n.p.	0.1	0.3	0.2	2.6	-0.5	0.7	0.6	1.6	-0.5
May	0.9	0.8	-0.6	0.3	n.p.	-0.1	-0.2	0.4	1.7	-0.5	0.6	1.6	-0.9	0.5
June	0.8	0.6	-1.0	0.3	n.p.	-0.1	-0.5	0.4	1.1	-0.3	0.5	0.5	-1.2	0.3
July	0.7	0.5	-1.1	0.2	n.p.	-0.2	-0.7	0.4	0.2	-0.2	0.1	1.6	-1.1	0.1
<i>1991—</i>														
May	7.7	-5.8	0.6	0.0	n.p.	3.8	-0.4	4.4	2.4	-4.6	2.7	-5.2	16.1	-1.9
June	7.8	-6.2	1.4	-1.1	n.p.	3.7	0.0	3.4	4.1	-4.4	4.0	-3.6	18.2	-0.9
July	8.0	-6.2	2.9	-2.5	n.p.	3.7	0.9	3.4	5.7	-3.8	5.7	-1.4	17.8	-0.2
August	8.3	-5.9	4.6	-3.9	n.p.	3.7	2.1	3.9	7.2	-3.4	8.0	2.2	15.5	0.8
September	8.1	-5.2	6.3	-5.3	n.p.	3.9	3.2	4.9	7.5	-3.4	10.2	6.0	12.6	2.4
October	7.3	-4.4	7.7	-6.5	n.p.	4.3	3.9	5.9	6.9	-3.7	11.5	9.4	10.1	4.6
November	6.1	-3.5	8.8	-7.3	n.p.	4.6	4.0	6.4	6.0	-3.8	11.7	11.1	8.8	6.7
December	5.1	-2.5	9.9	-3.9	n.p.	4.9	3.8	6.4	6.1	-3.5	10.9	10.7	8.8	9.0
<i>1992—</i>														
January	4.7	-1.5	11.1	-4.1	n.p.	5.4	4.1	6.2	7.5	-2.6	9.9	8.2	9.6	10.5
February	5.0	-0.2	12.2	-4.1	n.p.	5.8	5.0	6.5	9.5	-1.4	9.2	5.6	9.8	10.7
March	5.6	1.3	12.7	-4.0	n.p.	5.7	5.8	7.5	11.3	-0.3	8.5	3.5	8.2	9.5
April	6.4	2.6	12.3	-3.8	n.p.	5.5	6.2	9.2	12.4	0.4	8.0	3.4	5.8	7.4
May	6.9	3.7	11.0	-3.3	n.p.	5.2	6.0	10.9	12.5	0.6	7.6	4.1	3.8	5.2
June	6.9	4.5	9.0	-2.5	n.p.	4.9	4.9	11.7	12.1	0.5	6.9	4.9	3.1	3.1
July	6.7	5.3	6.7	-1.5	n.p.	4.5	3.3	11.5	11.2	0.1	5.6	5.0	3.9	1.4

(a) Excludes motor vehicle dealers, petrol stations, etc. (b) The standard error of the estimates for the latest month and of the latest month from the preceding month - see paragraphs 9 to 13 of Explanatory Notes. (c) Subject to revision - see paragraph 21 of Explanatory Notes.

TABLE 4. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
QUARTERLY ESTIMATES BY INDUSTRY, AT CONSTANT (AVERAGE 1984-85) PRICES, AUSTRALIA (a)

Quarter	Grocers, confectioners, tobac- conists		Hotels, liquor stores,		Depart- ment and fabrics stores		Domestic hardware stores,		Electri- cal goods stores		Floor cover- ings stores		Furni- ture stores		Pharma- ceutical stores		News- agents stores		Other stores		Total
	Butchers	Bucliers	Other food stores	Licensed clubs	Aurans	stores	Footwear stores	Jewellers	stores	stores	Jewellers	stores	Furniture stores	Stores	Pharma- ceutical stores	News- agents stores	Other stores	Other stores	Other stores	Total	
ORIGINAL																					
1991 —																					
June	4,268.0	392.5	920.2	1,783.3	672.0	1,074.2	1,553.9	220.3	436.8	1,018.1	297.9	117.0	649.3	454.0	699.8	14,557.3					
September	4,412.4	400.6	948.4	1,747.2	719.9	1,055.2	1,544.1	193.4	468.6	1,045.5	329.6	127.9	709.5	475.4	732.6	14,910.3					
December	4,712.8	422.5	1,037.0	1,961.1	842.7	1,282.9	2,267.6	236.2	663.9	1,181.9	352.4	142.8	713.3	518.8	982.8	17,318.7					
1992 —																					
March	4,462.4	391.0	1,015.9	1,759.1	748.3	979.6	1,402.6	210.8	484.1	1,031.4	308.5	108.2	615.9	494.5	743.3	14,755.6					
June	4,509.1	416.1	1,001.3	1,681.4	784.7	1,141.8	1,671.3	240.3	480.8	1,023.5	313.6	120.8	662.9	463.0	742.3	15,252.9					
SEASONALLY ADJUSTED ESTIMATES																					
1991 —																					
June	4,356.0	402.8	945.0	1,885.8	n.p.	1,065.0	1,627.3	207.3	503.2	1,032.3	310.7	120.8	670.5	479.4	n.p.	15,047.9					
September	4,497.5	401.0	933.8	1,828.5	n.p.	1,078.9	1,722.5	204.7	541.6	1,079.5	327.9	122.2	712.1	485.6	n.p.	15,473.5					
December	4,485.0	393.8	985.2	1,770.1	n.p.	1,100.1	1,718.5	220.0	497.8	1,048.6	318.6	131.8	647.3	485.8	n.p.	15,356.4					
1992 —																					
March	4,491.9	407.6	1,005.2	1,769.4	n.p.	1,142.6	1,706.8	225.4	530.9	1,115.3	328.0	119.5	654.4	488.8	n.p.	15,532.7					
June	4,602.0	426.9	1,028.7	1,777.3	n.p.	1,311.8	1,750.9	226.2	552.9	1,036.3	326.4	124.9	684.5	489.0	n.p.	15,785.0					
percentage change from preceding quarter																					
1991 —																					
June	-1.3	1.6	3.4	-0.6	n.p.	-1.6	-2.8	-2.9	-0.4	-6.9	0.1	7.1	9.0	0.5	n.p.	-1.1					
September	3.2	-0.4	3.0	-3.0	n.p.	1.3	5.9	-1.3	7.6	4.6	5.5	1.2	6.2	1.3	n.p.	2.8					
December	-0.3	-1.8	1.2	-3.2	n.p.	2.0	-0.2	7.5	-8.1	-2.9	-2.8	7.9	-9.1	0.0	n.p.	-0.8					
1992 —																					
March	0.2	3.5	2.0	0.0	n.p.	3.9	-0.7	2.5	6.6	6.4	3.0	-9.3	1.1	0.6	n.p.	1.1					
June	2.5	4.7	2.3	0.4	n.p.	-0.9	2.6	0.4	4.1	-7.1	-0.5	4.5	4.6	0.0	n.p.	1.6					
percentage change from corresponding quarter of previous year																					
1991 —																					
June	3.3	-4.6	-0.1	-6.0	n.p.	-2.1	-6.7	1.0	-2.1	-8.1	-1.8	-6.7	6.0	-6.5	n.p.	-2.2					
September	4.6	-5.2	-0.1	-9.3	n.p.	1.0	0.3	-1.8	5.3	-2.9	5.2	1.8	11.9	-5.0	n.p.	0.1					
December	3.4	-2.5	4.0	-9.3	n.p.	3.2	1.5	4.2	4.7	-5.6	9.7	12.1	1.1	2.2	n.p.	1.0					
1992 —																					
March	1.8	2.8	10.0	-6.7	n.p.	5.6	2.0	5.6	5.0	0.5	5.7	5.9	6.4	2.5	n.p.	2.1					
June	5.6	6.0	8.9	-5.8	n.p.	6.3	7.6	9.1	9.9	0.4	5.1	3.4	2.1	2.0	n.p.	4.9					

(a) Excludes motor vehicle dealers, petrol stations, etc.

TABLE 5. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, AUSTRALIA, STATES AND TERRITORIES (a)

Month	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
								ORIGINAL \$ million	
<i>1991 —</i>									
May	2,718.1	1,839.3	1,264.8	627.3	671.1	190.3	80.3	141.5	7,532.6
June	2,538.3	1,700.9	1,215.6	571.0	638.7	181.4	80.5	134.2	7,060.6
July	2,707.8	1,789.5	1,268.3	609.8	673.5	193.2	87.3	142.0	7,471.3
August	2,750.6	1,803.3	1,296.2	614.9	687.2	194.5	86.7	144.5	7,577.9
September	2,612.8	1,722.2	1,249.7	582.4	658.7	176.1	81.4	138.1	7,221.4
October	2,835.5	1,917.5	1,346.0	646.6	719.4	192.8	84.0	152.5	7,894.1
November	2,914.6	1,942.1	1,366.8	652.4	731.5	201.3	80.3	154.2	8,043.3
December	3,605.7	2,491.4	1,706.6	782.7	919.6	263.7	91.8	191.8	10,053.4
<i>1992 —</i>									
January	2,737.8	1,832.3	1,336.7	611.4	708.3	202.3	73.7	140.9	7,643.4
February	2,587.8	1,718.1	1,210.8	559.0	663.3	184.8	72.7	132.7	7,129.2
March	2,701.5	1,816.1	1,291.8	587.5	687.5	192.0	76.9	145.3	7,498.7
April	2,783.2	1,868.0	1,320.3	609.8	721.6	199.9	78.3	147.9	7,728.9
May	2,830.9	1,880.7	1,351.4	606.9	731.9	198.9	83.0	151.3	7,835.1
June	r 2,746.1	r 1,802.0	r 1,342.6	r 575.6	694.6	191.4	89.0	148.4	r 7,589.8
July	2,818.8	1,870.5	1,402.6	596.0	725.0	202.0	96.6	149.6	7,861.1
Standard error (b) of Level Change	43.3 24.0	29.4 11.4	28.1 10.2	10.5 5.9	14.4 3.7	4.6 1.7	2.4 1.0	3.6 1.6	62.4 29.4
TREND ESTIMATES (c) \$ million									
<i>1991 —</i>									
May	2,714.5	1,833.5	1,275.3	619.5	673.6	194.7	n.p.	140.9	7,521.3
June	2,735.8	1,842.6	1,277.1	621.0	681.4	195.1	n.p.	142.0	7,572.4
July	2,755.9	1,852.6	1,282.7	623.3	689.8	195.2	n.p.	143.3	7,627.7
August	2,770.8	1,860.5	1,292.2	625.3	696.8	195.5	n.p.	144.7	7,674.3
September	2,777.4	1,863.9	1,303.3	625.6	701.8	195.7	n.p.	146.3	7,702.2
October	2,777.3	1,862.5	1,313.6	623.8	704.6	195.8	n.p.	147.5	7,709.6
November	2,776.3	1,859.9	1,322.5	620.3	706.5	195.9	n.p.	148.3	7,709.9
December	2,782.2	1,860.6	1,331.3	617.4	709.7	197.0	n.p.	148.9	7,726.7
<i>1992 —</i>									
January	2,799.3	1,867.0	1,341.7	615.9	715.3	198.5	n.p.	149.5	7,764.5
February	2,824.2	1,878.9	1,353.6	615.8	722.0	200.0	n.p.	150.2	7,819.3
March	2,848.3	1,892.9	1,365.9	616.1	728.2	201.1	n.p.	150.8	7,877.0
April	2,866.1	1,906.4	1,377.0	615.6	732.9	202.1	n.p.	151.3	7,927.1
May	2,876.9	1,916.2	1,385.7	613.3	735.9	203.3	n.p.	151.5	7,963.4
June	2,882.3	1,922.6	1,391.7	610.3	737.3	204.4	n.p.	151.4	7,985.5
July	2,879.8	1,925.1	1,394.2	605.9	737.2	205.2	n.p.	151.0	7,994.4

See footnotes at end of table.

TABLE 5. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, AUSTRALIA, STATES AND TERRITORIES (a)—continued

Month	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	TREND ESTIMATES (c)	
								Percentage change from preceding month	Percentage change from corresponding month of previous year
<i>1991—</i>									
May	0.6	0.3	0.0	0.0	0.8	0.3	n.p.	0.8	0.4
June	0.8	0.5	0.1	0.2	1.2	0.2	n.p.	0.8	0.7
July	0.7	0.5	0.4	0.4	1.2	0.1	n.p.	0.9	0.7
August	0.5	0.4	0.7	0.3	1.0	0.2	n.p.	1.0	0.6
September	0.2	0.2	0.9	0.0	0.7	0.1	n.p.	1.1	0.4
October	0.0	-0.1	0.8	-0.3	0.4	0.1	n.p.	0.8	0.1
November	0.0	-0.1	0.7	-0.6	0.3	0.1	n.p.	0.5	0.0
December	0.2	0.0	0.7	-0.5	0.5	0.6	n.p.	0.4	0.2
<i>1992—</i>									
January	0.6	0.3	0.8	-0.2	0.8	0.8	n.p.	0.4	0.5
February	0.9	0.6	0.9	0.0	0.9	0.8	n.p.	0.5	0.7
March	0.9	0.7	0.9	0.0	0.9	0.5	n.p.	0.4	0.7
April	0.6	0.7	0.8	-0.1	0.6	0.5	n.p.	0.3	0.6
May	0.4	0.5	0.6	-0.4	0.4	0.6	n.p.	0.1	0.5
June	0.2	0.3	0.4	-0.5	0.2	0.5	n.p.	-0.1	0.3
July	-0.1	0.1	0.2	-0.7	0.0	0.4	n.p.	-0.3	0.1
<i>TREND ESTIMATES (c)</i>									
May	2.8	-0.7	3.1	6.6	2.0	5.4	n.p.	9.9	2.4
June	3.1	0.2	3.2	6.4	2.5	4.7	n.p.	9.5	2.8
July	3.4	1.0	3.4	6.3	3.6	3.9	n.p.	9.6	3.2
August	3.8	1.8	3.9	6.0	4.7	3.6	n.p.	10.3	3.7
September	3.9	2.3	4.4	5.3	5.7	3.5	n.p.	11.6	4.0
October	3.9	2.3	4.8	4.0	6.1	3.2	n.p.	12.5	3.9
November	3.9	2.2	4.9	2.3	6.4	2.8	n.p.	12.7	3.7
December	4.2	2.2	5.1	0.7	6.7	2.9	n.p.	12.1	3.8
<i>1992—</i>									
January	4.7	2.5	5.5	-0.2	7.5	3.2	n.p.	11.1	4.2
February	5.5	3.1	6.2	-0.6	8.6	3.7	n.p.	10.1	4.9
March	6.1	3.8	7.1	-0.7	9.4	3.9	n.p.	9.1	5.5
April	6.3	4.3	8.0	-0.7	9.7	4.1	n.p.	8.2	5.9
May	6.0	4.5	8.7	-1.0	9.2	4.4	n.p.	7.5	5.9
June	5.4	4.3	9.0	-1.7	8.2	4.8	n.p.	6.6	5.5
July	4.5	3.9	8.7	-2.8	6.9	5.1	n.p.	5.4	4.8

(a) Excludes motor vehicle dealers, Petrol stations, etc. (b) The standard error of the estimates for the latest month and of the latest month from the preceding month - see paragraphs 9 to 13 of Explanatory Notes. (c) Subject to revision - see from paragraph 21 of Explanatory Notes.

TABLE 6. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
QUARTERLY ESTIMATES, AT CONSTANT (AVERAGE 1984-85) PRICES, AUSTRALIA, STATES AND TERRITORIES (a)

Quarter	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
								ORIGINAL \$ million	
<i>1991 —</i>									
June	5,309.3	3,485.9	2,453.0	1,208.1	1,291.3	370.0	154.7	285.0	14,557.3
September	5,462.3	3,501.0	2,557.1	1,217.7	1,332.1	377.1	170.7	292.3	14,910.3
December	6,296.7	4,160.6	2,951.5	1,396.6	1,567.1	435.3	168.8	342.1	17,318.7
<i>1992 —</i>									
March	5,373.0	3,503.7	2,545.6	1,171.7	1,348.2	382.0	146.5	284.9	14,755.6
June	5,564.9	3,596.0	2,649.0	1,190.5	1,397.8	387.4	163.3	304.0	15,252.9
SEASONALLY ADJUSTED ESTIMATES									
<i>1991 —</i>									
June	5,511.4	3,628.8	2,553.4	1,242.6	1,328.3	382.4	n.p.	291.1	15,047.9
September	5,662.7	3,688.3	2,592.4	1,267.0	1,390.8	396.0	n.p.	297.2	15,473.5
December	5,567.2	3,660.5	2,655.2	1,246.3	1,397.7	386.2	n.p.	305.8	15,356.4
<i>1992 —</i>									
March	5,678.0	3,652.6	2,690.1	1,232.7	1,413.5	396.5	n.p.	307.2	15,532.7
June	5,776.9	3,744.1	2,755.9	1,225.5	1,437.3	400.3	n.p.	310.5	15,785.0
Percentage change from preceding quarter									
<i>1991 —</i>									
June	0.1	-0.4	-1.2	-2.0	-0.8	-4.4	n.p.	1.2	-1.1
September	2.7	1.6	1.5	2.0	4.7	3.6	n.p.	2.1	2.8
December	-1.7	-0.8	2.4	-1.6	0.5	-2.5	n.p.	2.9	-0.8
<i>1992 —</i>									
March	2.0	-0.2	1.3	-1.1	1.1	2.7	n.p.	0.5	1.1
June	1.7	2.5	2.4	-0.6	1.7	1.0	n.p.	1.1	1.6
Percentage change from corresponding quarter of previous year									
<i>1991 —</i>									
June	-1.2	-5.1	-1.8	0.2	-2.8	-1.2	n.p.	5.0	-2.2
September	0.2	-1.9	0.6	2.9	1.3	0.9	n.p.	6.7	0.1
December	0.8	-0.5	2.5	-0.3	3.5	0.3	n.p.	10.5	1.0
<i>1992 —</i>									
March	3.1	0.2	4.1	-2.8	5.5	-0.9	n.p.	6.8	2.1
June	4.8	3.2	7.9	-1.4	8.2	4.7	n.p.	6.7	4.9

(a) Excludes motor vehicle dealers, petrol stations, etc.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a)

Month	Grocers, confec- tioners, tobacc- onists	Butchers	Hotels, liquor stores, licensed clubs	Other food stores	Cafes and restau- rants	Clothing and fabrics stores	Depart- ment and general stores	Domestic hardware stores, jewellers	Electri- cal goods stores	Floor- cover- ings stores	Furni- ture stores	Pharma- cies	News- agents	Other stores	Total	
															ORIGINAL \$ million	
<i>1991 —</i>																
May	665.1	78.4	161.5	458.0	128.6	227.7	288.4	40.4	70.8	142.0	59.3	27.8	137.2	106.3	126.4	2,718.1
June	619.8	76.4	161.4	433.8	123.3	196.1	251.0	35.5	68.1	131.2	50.8	23.3	148.4	108.4	110.9	2,583.3
July	658.3	78.6	163.3	431.3	128.5	228.9	287.2	33.6	68.3	148.5	53.7	24.1	160.0	121.0	122.5	2,707.8
August	711.6	81.4	167.1	449.1	133.3	196.9	266.0	29.5	70.8	147.6	60.9	25.9	168.4	115.1	127.1	2,750.6
September	639.3	72.9	162.2	422.8	156.3	193.1	254.0	33.7	69.0	133.5	57.7	23.9	140.8	116.3	137.1	2,612.8
October	695.6	77.4	170.3	443.9	175.5	233.9	298.5	38.1	76.7	147.0	64.6	26.8	141.0	106.8	139.4	2,835.5
November	700.5	74.4	170.1	461.6	177.5	224.2	327.3	33.5	84.1	146.6	71.8	25.7	145.6	120.6	151.1	2,914.6
December	770.9	86.8	189.7	521.9	187.3	322.9	573.9	47.3	115.7	194.3	63.3	21.6	164.9	132.2	213.1	3,605.7
<i>1992 —</i>																
January	707.1	77.2	189.4	456.6	145.9	219.2	253.5	41.6	70.4	145.8	51.7	17.5	123.5	106.4	131.9	2,737.8
February	675.2	73.6	172.8	419.5	138.4	188.8	229.6	31.7	76.9	138.7	52.2	18.2	123.1	113.6	135.4	2,587.8
March	696.6	81.0	191.6	429.3	156.4	193.3	239.4	36.9	79.3	141.4	48.6	17.8	110.8	123.6	155.4	2,701.5
April	718.3	81.9	183.1	430.0	155.8	220.1	283.7	41.5	73.2	137.4	50.8	20.9	114.4	117.5	154.6	2,783.2
May	711.0	84.8	182.7	432.7	159.4	240.5	304.6	42.7	79.2	142.7	54.7	18.4	109.9	113.6	153.9	2,830.9
June	689.8	83.6	173.2	425.4	151.2	238.5	286.5	38.2	67.6	148.3	52.3	22.0	119.7	108.2	141.5	2,746.1
July	742.0	89.6	165.9	415.2	155.7	238.5	268.7	37.0	72.0	160.5	56.0	23.2	123.5	122.5	148.6	2,888.8
<i>Standard error (b) of</i>																
Level	14.3	3.7	16.5	18.8	14.0	18.0	0.0	2.3	6.2	9.0	2.8	3.2	13.9	7.8	11.0	43.3
Change	10.6	1.6	6.4	17.6	5.0	6.4	0.0	0.4	2.2	2.6	1.7	0.9	2.2	2.5	4.4	24.0
<i>TREND ESTIMATES (c)</i>																
<i>1992 —</i>																
February	699.7	80.4	182.8	440.7	n.p.	228.7	300.3	39.4	78.9	147.8	54.9	21.2	127.4	116.1	n.p.	2,824.2
March	707.0	82.3	184.3	440.9	n.p.	228.9	301.7	39.6	82.2	149.4	54.2	20.8	124.4	116.6	n.p.	2,848.3
April	715.1	83.8	183.9	440.6	n.p.	229.4	302.7	39.4	84.5	150.9	53.9	20.6	121.9	116.9	n.p.	2,866.1
May	723.3	84.9	182.1	440.3	n.p.	230.7	302.8	39.0	85.7	152.4	54.0	20.6	120.4	117.3	n.p.	2,876.9
June	731.0	85.6	179.4	439.8	n.p.	232.6	301.6	38.4	86.5	154.2	54.3	20.7	119.9	117.7	n.p.	2,882.3
July	737.0	85.9	176.2	438.8	n.p.	234.5	299.3	37.8	85.9	155.3	54.5	20.8	120.2	117.9	n.p.	2,879.8
Percentage change from preceding month																
February	0.9	2.7	1.7	0.2	n.p.	0.7	0.6	2.1	4.7	1.1	-2.1	-2.3	-2.2	0.4	n.p.	0.9
March	1.0	2.4	0.8	0.0	n.p.	0.1	0.5	4.2	1.1	-1.3	-1.9	-2.4	0.4	n.p.	0.9	0.9
April	1.1	1.8	-0.2	-0.1	n.p.	0.2	0.3	-0.5	2.8	1.0	-0.6	-1.0	-2.0	0.3	n.p.	0.6
May	1.1	1.3	-1.0	-0.1	n.p.	0.6	-0.1	1.4	1.0	0.2	0.0	-1.2	0.3	n.p.	0.4	0.4
June	1.1	0.8	-1.5	-0.1	n.p.	0.8	-0.4	-1.5	0.9	1.2	0.6	-0.4	0.3	n.p.	0.2	0.2
July	0.8	0.3	-1.8	-0.2	n.p.	0.8	-0.8	-1.6	-0.7	0.7	0.4	0.5	0.3	0.2	n.p.	-0.1

See footnotes at end of table.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a)—continued

Month	Grocers, confec- tioners, tobacc- onists	Hotels, liquor stores, licensed clubs	Cafes	Clothing and fabrics stores	Depart- ment stores	Domestic hardware stores, Footwear stores	Electri- cal goods stores	Furni- ture stores	Floor- cover- ings stores	Pharma- ceuticals stores	News- agents cities	Other stores	Total
	Other food stores	Butchers	rest- aurants	austrans	VICTORIA	Original \$ million							
<i>1991—</i>													
May	609.0	46.7	117.7	165.2	86.6	152.8	191.3	29.3	67.4	109.8	34.5	13.0	89.0
June	556.3	41.5	119.2	160.4	88.8	126.6	176.8	24.3	60.0	101.2	42.6	11.9	72.4
July	579.9	44.7	116.4	159.2	89.9	144.9	177.3	24.4	73.2	108.1	44.8	14.0	700.9
August	616.0	41.2	117.5	164.6	90.4	132.6	174.3	22.7	69.8	104.7	46.0	13.2	77.5
September	563.5	42.7	120.1	161.4	93.4	120.0	174.2	25.5	63.0	94.2	34.6	17.3	80.8
October	631.0	45.7	126.1	170.6	86.7	142.3	192.8	30.3	82.6	96.3	40.6	18.2	903.3
November	635.2	41.2	127.7	179.5	90.0	139.2	216.8	28.3	79.2	98.7	39.0	17.5	96.4
December	678.8	46.2	234.7	99.0	201.0	380.9	39.3	131.0	137.5	25.1	15.1	91.1	1,789.5
<i>1992—</i>													
January	611.2	39.9	134.3	175.3	90.4	121.5	166.1	36.6	61.7	106.0	42.8	13.7	87.4
February	587.4	36.7	130.6	174.4	84.1	108.7	155.2	25.0	65.5	87.1	38.6	13.2	89.3
March	610.7	40.6	144.2	164.6	90.3	125.1	164.2	28.3	73.7	95.3	33.9	14.3	92.1
April	615.0	41.0	143.6	154.9	86.6	147.0	201.6	34.0	71.6	90.6	36.1	12.8	94.5
May	616.0	42.8	143.3	152.8	83.7	151.4	201.6	36.3	69.6	96.4	38.2	14.3	95.7
June	590.3	45.2	116.7	152.2	86.2	142.0	192.6	36.3	63.8	93.8	42.2	15.6	92.9
July	623.4	45.6	124.7	158.2	87.2	142.6	182.7	38.7	71.5	100.7	41.0	17.7	94.7
<i>Standard error (b) of</i>													
Level	12.3	4.3	7.6	7.6	7.6	11.3	0.0	4.0	9.0	6.0	4.0	2.5	1,866.0
Change	4.2	2.3	2.1	4.6	2.5	3.4	0.0	0.7	1.8	1.0	2.3	1.4	85.3
<i>TREND ESTIMATES (c)</i>													
<i>1992—</i>													
February	606.1	41.1	140.6	168.7	n.p.	139.7	201.1	30.8	74.3	101.6	40.4	14.9	54.8
March	609.9	40.9	141.2	168.6	n.p.	141.3	202.9	31.1	75.9	100.4	40.2	14.9	n.p.
April	615.4	41.2	139.8	168.9	n.p.	142.4	204.1	31.9	77.2	98.7	40.0	15.1	54.5
May	621.4	41.7	137.1	169.5	n.p.	142.9	204.5	33.2	77.9	97.1	39.7	15.3	53.8
June	627.1	42.3	133.6	170.4	n.p.	142.9	204.5	34.7	78.1	95.8	39.5	15.6	52.8
July	631.6	43.0	130.9	171.6	n.p.	142.3	203.8	36.1	78.0	94.7	39.2	15.8	51.8
Percentage change from preceding month													
February	0.2	-1.7	2.0	0.1	n.p.	1.4	1.0	-0.6	1.8	-0.2	0.8	-0.7	4.6
March	0.6	-0.5	0.4	-0.1	n.p.	1.1	0.9	1.0	2.2	-1.2	-0.5	0.0	5.4
April	0.9	0.7	-1.0	0.2	n.p.	0.8	0.6	2.6	1.7	-1.7	-0.5	1.3	5.9
May	1.0	1.2	-1.9	0.4	n.p.	0.4	0.2	4.1	0.9	-1.6	-0.8	1.3	5.5
June	0.9	1.4	-2.6	0.5	n.p.	0.0	0.0	4.5	0.3	-1.3	-0.5	2.0	5.2
July	0.7	1.7	-2.0	0.7	n.p.	-0.4	-0.3	4.0	-0.1	-1.1	-0.8	1.3	3.9

See footnotes at end of table.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a) -continued

Month	Grocers, confectioners, tobacc-	Hotels, liquor stores, licensed	Cafes and restau-	Clothing and fabrics	Depart- ment and general	Domestic hardware stores, jewellers	Electri- cal goods	Furni- ture stores	Floor- cover- ings	Pharma- cies	News- agents	Other stores	Total
	onists	Other food stores	licensed clubs	aurants	stores	Footwear stores	stores	stores	stores	stores	stores	stores	
QUEENSLAND													
ORIGINAL \$ million													
<i>1991—</i>													
May	376.6	34.9	83.6	149.4	54.2	99.5	127.5	17.7	29.5	81.4	25.8	12.2	50.6
June	356.8	32.9	89.2	151.9	49.2	96.6	122.7	20.0	28.6	75.7	24.4	11.8	40.7
July	381.8	36.1	89.8	150.4	50.4	104.8	119.5	16.3	26.6	84.9	26.5	14.8	47.2
August	394.5	35.8	92.8	152.4	53.7	99.0	125.4	14.6	27.9	87.2	29.5	12.0	50.8
September	358.0	35.4	95.6	141.7	58.1	106.7	123.7	19.6	29.5	75.1	28.1	16.7	38.1
October	392.2	37.0	101.8	154.2	60.7	114.2	135.6	17.5	31.8	81.1	33.2	19.8	38.0
November	387.1	36.1	99.3	156.0	60.2	112.2	152.1	16.7	37.9	87.9	31.9	21.4	38.0
December	413.2	39.9	110.7	187.6	72.5	153.2	243.1	23.9	62.4	123.4	33.1	16.3	56.1
<i>1992—</i>													
January	391.1	33.5	106.3	150.5	69.7	108.2	121.8	21.9	35.7	83.7	27.4	12.2	42.7
February	373.4	34.2	93.8	133.5	54.4	92.2	105.1	12.4	32.5	78.7	26.5	12.9	35.5
March	384.1	39.9	98.7	155.4	65.7	91.4	111.7	15.7	31.9	79.6	32.3	13.6	45.9
April	393.4	37.6	101.6	149.0	73.1	101.5	127.3	16.9	31.5	73.3	33.8	12.6	47.9
May	392.3	40.0	99.1	148.1	73.7	109.2	138.4	18.9	34.2	81.1	30.4	14.6	46.5
June	387.7	37.9	105.0	149.1	79.1	105.3	136.9	19.5	32.2	80.6	36.1	18.0	47.0
July	420.2	43.7	109.6	166.9	78.1	108.2	129.1	17.1	30.7	87.5	32.8	16.1	50.4
<i>Standard error (b) of</i>													
Level	11.5	7.8	7.4	11.7	12.3	5.7	0.0	1.3	1.4	7.7	2.5	4.0	7.8
Change	3.8	2.3	3.8	5.5	3.9	2.2	0.0	0.3	1.0	2.1	1.7	1.3	1.9
TREND ESTIMATES (c)													
<i>1992—</i>													
February	385.2	38.0	101.4	151.7	n.p.	113.0	137.3	18.2	35.1	84.8	31.1	14.6	45.4
March	388.8	38.8	102.5	153.3	n.p.	112.7	138.6	17.9	35.5	84.5	32.0	14.4	46.3
April	393.4	39.4	104.1	155.4	n.p.	111.3	139.9	17.7	35.9	84.3	32.8	14.7	46.6
May	398.1	39.8	105.8	157.8	n.p.	109.4	141.0	17.5	36.4	84.1	33.4	15.2	47.0
June	402.5	40.1	107.4	160.2	n.p.	107.1	141.7	17.4	36.8	84.1	33.9	15.7	47.4
July	406.1	40.3	109.0	162.4	n.p.	105.0	141.9	17.4	37.2	84.2	34.1	16.2	47.7
percentage change from preceding month													
February	0.6	2.2	0.8	0.9	n.p.	1.0	0.8	-1.1	1.4	0.0	2.7	-4.0	3.2
March	0.9	2.1	1.1	1.1	n.p.	-0.3	0.9	-1.7	1.1	-0.4	2.9	-1.3	2.0
April	1.2	1.5	1.6	1.4	n.p.	-1.2	0.9	-1.1	1.1	-0.2	2.5	2.1	0.7
May	1.2	1.0	1.6	1.5	n.p.	-1.7	0.8	-1.1	1.4	-0.2	1.8	3.3	0.9
June	1.1	0.8	1.5	1.5	n.p.	-2.1	0.5	-0.6	1.1	0.0	1.5	3.3	-2.8
July	0.9	0.5	1.5	1.4	n.p.	-2.0	0.1	0.0	1.1	0.1	0.6	3.1	-3.2

See footnotes at end of table.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a)—continued

Month	Grocers, confectioners, tobacconists	Hoteis, liquor stores, licensed clubs	Cafes and restau- rants	Clothing and fabrics	Depart- ment and general stores	Domestic hardware stores, footwear stores	Elec- trical goods stores	Furni- ture stores	Floor cover- ings stores	Pharma- cies	News- agents	Other stores	Total				
	Butchers	Other food stores	awarants			Jewellers											
SOUTH AUSTRALIA ORIGINAL \$million																	
1991—																	
May	200.2	14.4	47.3	58.4	25.2	42.6	89.3	9.5	13.3	37.4	13.5	26.7	627.3				
June	183.1	15.1	41.5	54.9	24.4	34.9	78.6	8.9	12.8	31.0	13.7	25.9	571.0				
July	194.0	15.8	45.1	55.9	26.0	40.5	86.5	8.8	14.5	34.3	13.9	47	609.8				
August	201.8	17.0	47.8	59.1	25.2	32.5	83.3	7.8	14.6	34.6	14.7	31.9	614.9				
September	181.6	11.5	51.7	59.5	26.5	30.2	76.7	8.1	13.8	31.4	4.3	30.5	582.4				
October	194.8	12.4	55.9	71.0	27.0	33.6	96.3	9.3	16.4	32.1	15.0	4.6	33.2	646.6			
November	194.5	12.1	59.5	69.2	28.1	32.8	100.7	8.5	18.0	33.4	13.3	4.5	34.2	652.4			
December	205.3	13.9	56.3	87.3	28.2	38.6	155.9	10.0	28.8	50.2	17.3	3.8	35.1	782.7			
1992—																	
January	191.2	11.6	52.8	70.5	27.6	25.9	79.3	8.5	14.4	38.8	18.1	3.6	30.1	9.1	29.9	611.4	
February	182.7	9.7	49.2	63.8	23.7	24.3	70.0	6.2	12.9	32.9	15.0	3.6	28.2	9.1	27.6	559.0	
March	186.4	8.0	49.0	65.8	29.3	29.7	73.1	7.6	15.9	33.8	16.8	4.4	30.0	10.0	27.8	587.5	
April	191.4	8.1	49.3	64.3	30.8	31.3	85.8	8.5	19.9	32.1	15.0	3.9	31.0	8.5	29.9	609.8	
May	193.4	7.6	45.9	58.0	26.6	34.0	90.5	8.9	19.9	35.2	16.1	3.6	31.5	8.8	26.3	606.9	
June	r 183.7	8.2	40.6	53.5	r 27.4	31.2	80.1	8.8	18.0	31.1	16.9	4.2	37.0	8.2	26.9	r 575.6	
July	190.3	8.9	41.3	55.2	26.8	32.3	82.5	8.1	20.1	32.3	19.5	5.1	36.6	9.6	27.3	596.0	
Standard error (b) of Level Change	3.9	1.1	3.0	3.1	4.2	1.7	0.0	0.4	0.4	2.3	1.0	2.7	0.6	5.0	1.8	3.4	10.5
	4.6	0.3	1.9	0.8	1.6	0.4	0.0	0.2	0.2	0.8	0.3	0.5	0.3	1.8	0.2	1.7	5.9
TREND ESTIMATES (c) \$ million																	
1992—																	
February	189.8	10.0	51.2	65.5	n.p.	29.9	89.4	8.2	17.3	36.4	16.5	4.0	31.0	9.3	n.p.	615.8	
March	191.0	9.4	49.9	64.5	n.p.	30.3	89.2	8.1	18.7	35.5	16.7	4.0	31.8	9.2	n.p.	616.1	
April	191.8	8.8	48.4	63.4	n.p.	30.7	89.0	8.0	20.2	34.4	16.8	4.0	33.0	9.2	n.p.	615.6	
May	192.0	8.4	46.8	62.3	n.p.	31.0	88.5	8.0	21.6	33.3	17.0	4.1	34.2	9.1	n.p.	613.3	
June	191.8	8.2	45.2	61.2	n.p.	31.1	87.7	8.0	22.7	32.2	17.3	4.2	35.3	9.2	n.p.	610.3	
July	190.9	8.0	43.7	60.2	n.p.	31.2	86.8	8.0	23.6	31.4	17.5	4.4	36.1	9.2	n.p.	605.9	
Percentage change from preceding month																	
1992—																	
February	0.6	-5.5	-1.9	-1.4	n.p.	0.7	-0.3	-1.3	7.5	-0.8	1.9	0.0	1.3	-2.0	n.p.	0.0	
March	0.6	-6.0	-2.5	-1.5	n.p.	1.3	-0.2	-1.3	8.2	-2.5	1.2	0.0	2.6	-1.1	n.p.	0.0	
April	0.4	-6.7	-3.0	-1.7	n.p.	1.3	-0.2	-1.3	7.9	-3.1	0.6	0.0	3.8	0.0	n.p.	-0.1	
May	0.1	-4.4	-3.3	-1.7	n.p.	1.0	-0.6	0.0	7.0	-3.2	1.2	2.5	3.6	-1.1	n.p.	-0.4	
June	-0.1	-2.5	-3.4	-1.8	n.p.	0.3	-0.9	0.0	5.0	-3.3	1.8	2.5	3.2	1.1	n.p.	-0.5	
July	-0.5	-2.5	-3.3	-1.6	n.p.	0.3	-1.0	0.0	3.9	-2.5	1.2	5.0	2.3	0.0	n.p.	-0.7	

See footnotes at end of table.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a)—continued

Month	Grocers, confectioners, tobacco- onists	Butchers	Hotels, liquor stores, licensed clubs	Cafes and rest- aurants	Clothing and fabrics stores	Depart- ment and general stores	Domestic hardware stores, Footwear stores, jewellers	Electri- cal goods stores	Floor cover- ings stores	Furni- ture stores	Pharma- cies stores	News- agents stores	Other stores	Total
<i>1991—</i>														
May	235.2	5.0	51.5	67.5	37.7	38.1	79.1	7.8	15.2	37.2	10.8	6.3	27.3	18.7
June	221.5	4.4	53.7	68.9	35.8	38.8	70.7	7.4	14.5	34.7	12.3	5.3	26.4	16.3
July	233.8	4.9	57.7	69.1	39.3	39.7	72.9	7.8	14.8	38.4	14.5	5.1	30.0	16.1
August	242.7	4.7	58.4	71.7	38.9	40.4	72.2	6.8	16.6	35.5	13.1	5.2	32.0	15.3
September	225.4	6.1	53.5	76.6	42.4	33.6	66.6	7.2	18.6	32.1	13.2	5.6	26.2	16.4
October	241.8	6.5	54.5	74.7	43.7	40.2	82.4	8.9	21.0	36.7	16.0	6.4	29.1	15.4
November	241.4	6.1	54.0	75.0	45.4	37.7	88.1	7.1	24.1	38.7	16.1	7.3	30.9	17.2
December	270.7	8.5	60.0	90.1	53.5	55.0	147.7	9.2	33.4	48.8	12.9	6.5	34.2	21.2
<i>1992—</i>														
January	252.3	7.5	61.8	72.5	43.6	34.0	71.8	8.8	18.9	38.3	12.6	5.2	29.7	15.1
February	243.6	6.7	56.7	69.1	39.7	31.8	64.0	5.5	18.3	33.7	12.4	6.0	28.5	13.5
March	240.4	6.4	60.0	70.6	42.5	35.5	68.5	6.4	20.3	36.1	13.4	6.0	31.2	15.9
April	252.7	6.4	56.8	70.4	44.0	39.0	80.5	8.4	19.9	37.7	12.8	5.7	33.3	17.0
May	253.7	6.7	57.4	69.1	42.1	44.6	88.3	8.3	19.6	40.2	13.0	5.7	34.3	13.5
June	240.3	6.8	54.4	70.0	38.4	43.2	77.1	8.1	19.8	36.6	14.6	6.9	30.9	15.7
July	258.8	6.7	55.3	73.6	41.8	42.2	74.7	6.9	21.3	40.6	15.9	6.8	33.2	16.0
Standard error (b) of Level Change	9.5	0.8	5.1	3.4	4.2	3.3	0.0	0.4	2.2	2.6	1.2	0.9	3.8	3.5
	1.9	0.3	0.7	1.1	1.8	0.7	0.0	0.1	1.3	0.7	0.7	0.3	1.0	2.8
													1.0	3.7
TREND ESTIMATES (c)														
<i>1992—</i>														
February	245.5	7.0	58.3	70.5	n.p.	39.6	82.3	7.7	21.6	38.7	13.3	6.1	32.0	15.6
March	247.4	6.8	58.8	71.5	n.p.	40.1	82.8	7.8	22.4	38.8	13.5	6.1	33.2	15.6
April	249.5	6.7	58.7	73.0	n.p.	40.6	83.3	7.7	23.0	38.8	13.9	6.1	33.9	15.7
May	251.9	6.6	58.3	74.4	n.p.	40.9	83.7	7.6	23.4	38.7	14.2	6.2	34.2	15.8
June	254.4	6.5	57.7	75.7	n.p.	41.2	84.0	7.5	23.7	38.6	14.5	6.3	34.3	16.0
July	256.1	6.4	57.0	77.0	n.p.	41.4	84.1	7.3	23.7	38.4	14.7	6.4	33.9	16.1
Percentage change from preceding month														
February	0.6	0.0	2.5	0.3	n.p.	1.3	0.9	1.3	3.3	1.3	0.8	-1.7	5.3	-1.3
March	0.8	-2.9	0.9	1.4	n.p.	1.3	0.6	1.3	3.6	0.3	1.5	0.0	3.8	0.0
April	0.9	-1.4	-0.2	2.1	n.p.	1.3	0.6	-1.3	2.7	0.0	2.9	0.0	2.1	0.6
May	1.0	-1.4	-0.7	1.9	n.p.	0.7	0.5	-1.3	1.7	-0.3	2.1	1.7	0.9	0.4
June	1.0	-1.4	-1.0	1.8	n.p.	0.7	0.4	-1.3	1.3	-0.3	2.1	1.7	0.3	1.3
July	0.7	-1.4	-1.2	1.7	n.p.	0.5	0.1	-2.5	0.0	-0.5	1.3	1.7	-1.2	0.6

See footnotes at end of table.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a) -continued

Month	Grocers, confectioners, tobacco- onists	Hotels, liquor stores, licensed clubs	Cafes and rest- aurants	Clothing and fabrics stores	Depart- ment and general Footwear stores	Domestic hardware stores, jewellers	Elec- trical goods stores	Furni- ture stores	Floor cover- ings stores	Pharma- cies	News- agents	Other stores	Total			
	Butchers	Other food stores	auburans													
ORIGINAL \$ million																
<i>1991—</i>																
May	61.3	4.2	12.3	25.7	7.2	14.7	18.8	3.2	3.3	11.0	3.4	1.5	7.5	8.1	8.0	190.3
June	56.5	4.1	13.5	26.9	5.9	15.0	16.8	3.0	2.7	10.3	3.4	1.5	6.7	7.1	8.0	181.4
July	60.9	4.2	13.2	25.0	6.1	17.1	16.9	2.7	3.0	11.7	3.8	1.8	7.6	10.1	9.1	193.2
August	64.1	4.2	12.9	26.5	5.9	14.0	17.5	2.5	3.0	12.3	3.9	1.7	7.3	9.9	8.9	194.5
September	57.5	4.9	12.9	22.7	5.9	11.2	16.4	2.5	2.9	9.6	3.3	1.7	7.5	9.0	8.0	176.1
October	62.5	5.9	13.3	26.0	6.4	12.7	17.9	2.5	3.4	9.5	3.7	1.8	8.7	9.6	9.0	192.8
November	64.0	5.4	13.4	26.3	6.0	14.8	21.2	2.6	3.9	10.0	4.0	1.7	8.7	10.0	9.2	201.3
December	71.5	6.2	15.2	34.1	7.4	23.0	34.9	3.7	6.5	15.0	4.6	1.4	11.8	14.8	13.4	263.7
<i>1992—</i>																
January	64.9	4.8	14.5	28.5	7.6	14.7	16.3	2.6	3.7	10.8	3.8	1.2	9.1	10.1	9.8	202.3
February	61.9	4.3	12.0	26.0	6.5	13.0	15.0	2.8	3.3	8.9	3.0	1.5	7.2	11.0	8.3	184.8
March	61.2	5.5	11.8	26.5	7.2	13.5	16.5	2.6	3.4	9.7	3.5	1.6	8.4	10.9	9.6	192.0
April	64.1	5.5	12.3	24.8	6.8	16.5	18.5	3.0	4.2	10.1	3.9	1.3	8.8	10.5	9.7	199.9
May	63.4	5.0	12.9	23.7	7.0	15.4	18.9	2.8	4.0	10.7	3.8	1.3	8.7	11.6	9.7	198.9
June	60.4	5.4	12.5	23.5	5.8	15.3	17.2	2.7	3.5	11.2	3.8	1.5	8.3	9.8	10.5	191.4
July	65.9	5.4	13.2	23.9	5.8	14.7	16.8	2.5	4.3	13.1	4.5	1.5	8.7	11.0	10.8	202.0
Standard error (b) of Level Change	2.0 0.4	0.9 0.2	1.4 0.2	1.9 0.5	1.0 0.2	1.0 1.0	0.0 0.0	0.1 0.1	0.9 0.9	0.3 0.3	0.4 0.3	0.2 0.1	1.0 0.2	1.4 0.3	1.8 0.3	4.6 1.7
TREND ESTIMATES(c)																
<i>1992—</i>																
February	63.0	5.2	12.8	25.8	n.p.	15.4	18.8	2.8	3.9	10.8	3.8	1.5	8.9	10.7	n.p.	200.0
March	63.3	5.3	12.8	25.6	n.p.	15.4	18.9	2.8	4.1	10.8	3.8	1.5	8.9	10.9	n.p.	201.1
April	63.7	5.5	12.8	25.5	n.p.	15.3	19.0	2.7	4.3	10.7	3.8	1.5	8.9	11.1	n.p.	202.1
May	64.3	5.6	12.9	25.4	n.p.	15.2	19.0	2.6	4.4	10.8	3.9	1.5	8.8	11.2	n.p.	203.3
June	64.9	5.7	13.0	25.3	n.p.	15.1	19.0	2.6	4.6	11.0	4.0	1.5	8.7	11.4	n.p.	204.4
July	65.4	5.8	13.1	25.3	n.p.	15.0	19.0	2.5	4.7	11.2	4.0	1.4	8.7	11.5	n.p.	205.2
percentage change from preceding month																
February	0.5	2.0	-1.5	-0.8	n.p.	1.3	0.0	0.0	5.0	0.0	0.0	0.0	0.0	1.8	n.p.	0.8
March	0.5	2.0	0.0	-0.8	n.p.	0.0	0.5	0.0	5.0	0.0	0.0	0.0	0.0	1.8	n.p.	0.5
April	0.6	4.0	0.0	-0.4	n.p.	-0.7	0.5	-3.3	5.0	-0.9	0.0	0.0	0.0	1.8	n.p.	0.5
May	0.9	1.7	0.8	-0.4	n.p.	-0.7	0.0	-3.3	2.5	0.9	2.5	0.0	-1.1	0.9	n.p.	0.6
June	0.9	1.7	0.8	-0.4	n.p.	-0.7	0.0	0.0	5.0	1.8	2.5	0.0	-1.1	1.8	n.p.	0.5
July	0.8	1.7	0.8	0.0	n.p.	-0.7	0.0	-3.3	2.0	1.8	0.0	-5.0	0.0	0.9	n.p.	0.4

See footnotes at end of table.

TABLE 7. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES, AT CURRENT PRICES, BY INDUSTRY, STATES AND ACT (a)—continued

Month	Grocers, confectioners, tobacconists	Hotels, liquor stores, licensed clubs	Cafes and restau- rants	Clothing and fabrics	Depart- ment and general stores	Domestic hardware stores, jewellers	Electri- cal goods	Furni- ture stores	Floor cover- ings stores	Pharma- ceutics	News- agents	Other stores	Total
	Other food stores	Butchers	awans	stores	Footwear stores	stores	jewellers	stores	stores	stores	agents	agents	Total
AUSTRALIAN CAPITAL TERRITORY													
ORIGINAL \$ million													
<i>1991—</i>													
May	39.2	2.0	9.2	15.3	8.4	10.3	20.2	2.2	3.4	7.7	5.5	1.7	5.2
June	36.3	1.9	9.6	14.7	8.1	9.6	17.6	2.1	4.0	7.9	4.7	1.7	4.6
July	39.8	2.0	9.6	14.3	8.5	10.0	20.9	2.1	3.7	8.3	4.4	1.9	5.0
August	43.2	2.1	9.9	15.2	8.9	8.5	18.0	1.9	3.8	8.6	4.7	2.0	4.9
September	39.3	2.3	7.9	14.8	10.0	8.9	17.4	1.9	4.1	6.7	5.2	1.9	4.6
October	41.2	2.3	8.6	15.2	12.3	10.7	21.0	2.2	4.3	7.7	5.7	1.8	4.9
November	42.4	2.2	9.0	15.5	12.1	10.4	22.9	1.9	4.8	7.3	4.7	2.0	5.0
December	46.6	2.1	9.2	16.8	11.6	15.3	39.2	2.6	8.1	9.5	4.8	2.2	5.5
<i>1992—</i>													
January	42.6	1.7	7.5	14.3	8.6	9.5	18.7	2.3	4.2	7.6	5.4	1.6	3.8
February	42.5	1.8	7.5	14.2	8.0	8.8	16.0	1.6	3.6	7.3	4.6	1.7	3.2
March	43.0	1.9	8.8	14.9	10.6	10.4	16.7	2.0	3.8	7.5	5.2	1.7	3.7
April	44.1	1.7	8.1	15.1	9.9	10.5	20.5	2.2	3.8	8.6	5.1	2.0	3.6
May	43.3	1.7	8.9	15.3	10.4	10.8	21.9	2.4	3.8	8.1	5.3	2.3	4.8
June	41.6	1.8	8.8	14.5	10.2	10.6	21.7	2.2	3.6	9.8	5.2	2.2	3.6
July	44.4	1.7	10.0	13.4	9.4	10.5	19.7	2.2	4.0	8.9	5.9	2.2	3.7
<i>Standard error (b) of</i>													
Level	0.7	0.2	1.9	1.3	1.4	0.4	0.0	0.1	0.4	1.5	0.3	0.4	0.8
Change	0.3	0.0	0.5	0.6	1.0	0.2	0.0	0.0	0.1	0.8	0.1	0.1	0.2
TREND ESTIMATES(c)													
\$ million													
<i>1992—</i>													
February	43.7	1.9	8.1	15.6	n.p.	11.3	21.0	2.0	4.3	8.1	5.0	1.9	4.0
March	44.1	1.8	8.2	15.7	n.p.	10.9	21.2	2.1	4.3	8.3	5.1	2.0	3.9
April	44.1	1.8	8.5	15.5	n.p.	10.4	21.4	2.1	4.3	8.4	5.1	2.0	3.8
May	44.0	1.8	8.8	15.2	n.p.	10.0	21.6	2.1	4.3	8.5	5.2	2.0	3.8
June	43.8	1.7	9.1	14.8	n.p.	9.6	21.6	2.1	4.3	8.6	5.3	2.1	3.7
July	43.5	1.7	9.5	14.3	n.p.	9.3	21.6	2.2	4.4	8.6	5.3	2.1	3.7
percentage change from preceding month													
<i>1992—</i>													
February	1.4	-5.0	0.0	2.0	n.p.	-1.7	0.5	0.0	0.0	1.3	0.0	0.0	-5.0
March	0.9	-5.0	1.3	0.6	n.p.	-3.6	1.0	5.0	0.0	2.5	2.0	-2.5	0.0
April	0.0	0.0	3.8	-1.3	n.p.	-4.5	1.0	0.0	0.0	1.3	0.0	-2.5	0.0
May	-0.2	0.0	3.3	-1.9	n.p.	-4.0	1.0	0.0	0.0	1.3	2.0	0.0	0.0
June	-0.5	-5.0	3.3	-2.7	n.p.	-4.0	0.0	0.0	0.0	1.1	2.0	-2.5	1.7
July	-0.7	0.0	4.4	-3.3	n.p.	-3.0	0.0	5.0	2.5	0.0	0.0	0.0	-0.1

(a) Excludes motor vehicle dealers, petrol stations, etc.
(b) The standard error of the estimates for the latest month and of the latest month from the preceding month - see paragraphs 9 to 13 of Explanatory Notes.
(c) Subject to revision - see from paragraph 21 of Explanatory Notes.

TABLE 8. TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY ESTIMATES AT CURRENT PRICES, NORTHERN TERRITORY (a)

Month	Food stores, liquor stores, and licensed clubs (b)		All other stores		Total	
	\$ million	% change from preceding month	\$ million	% change from preceding month	\$ million	% change from preceding month
<i>1991 —</i>						
May	53.5	9.4	26.8	12.9	80.3	10.3
June	53.2	-0.6	27.3	1.9	80.5	0.3
July	58.7	10.4	28.8	5.6	87.3	8.5
August	57.0	-2.9	29.6	2.8	86.7	-0.7
September	54.5	-4.4	26.9	-9.0	81.4	-6.1
October	55.8	2.4	28.1	4.4	84.0	3.2
November	52.8	-5.4	27.6	-1.8	80.3	-4.4
December	53.9	2.1	38.1	37.5	91.8	14.4
<i>1992 —</i>						
January	50.7	-5.9	23.0	-39.7	73.7	-19.7
February	49.7	-2.0	23.0	0.0	72.7	-1.4
March	52.8	6.2	24.2	5.2	76.9	5.8
April	52.5	-0.6	25.9	7.1	78.3	1.8
May	55.3	5.4	27.8	7.3	83.0	6.0
June	59.3	7.3	29.7	6.8	89.0	7.2
July	64.2	8.3	32.6	9.7	96.6	8.5
<i>Standard error (c) of</i>						
Level	1.9		1.5		2.4	
Change	0.8		0.6		1.0	

(a) Excludes motor vehicle dealers, petrol stations, etc. (b) Includes Grocers, confectioners and tobacconists, Butchers, Other food stores, Hotels, liquor stores, licensed clubs, Cafes and restaurants. (c) The standard error of the estimates for the latest month and of the latest month from the preceding month - see paragraphs 9 to 13 of Explanatory Notes. NOTE: Series is not long enough to provide sufficient information to allow reliable seasonal adjustment estimates.

EXPLANATORY NOTES

Introduction

This publication presents monthly retail trade series based on estimates of the value of turnover of retail establishments classified by industry, and by State. These series replace the statistics based on the value of retail sales published up to June 1988.

2. From June 1988 the series in this publication are based on turnover data obtained from a sample of retail establishments. For the period until June 1988 the series have been adjusted to a turnover basis using movements in the previous retail sales series. Linked historical data are available on PC-AUSSTATS, or can be provided by the ABS. More information on the survey methodology and the procedures used to link statistics for the new series with those for months prior to June 1988 are contained in the Information Paper: *Introduction of Improved Monthly Retail Trade Statistics* (8511.0).

Scope and coverage

3. The estimates of turnover are derived from a survey covering all States and the two Territories. It includes in its scope all retail trade establishments classified to ASIC subdivision 48, *except* motor vehicle dealers, service stations, etc (ASIC classes 4861-4868); milk and bread vendors (4878-4879); shoe repairers (4846); and electrical appliance repairers n.e.c. (4857). *Also included* are cafes and restaurants (9231); hotels, etc. (mainly drinking places) (9232); licensed clubs (9241-9243); and hairdressers (9351-9352).

4. Retail establishments which do not have employees are excluded from the coverage of the survey.

Definition of turnover

5. Turnover includes retail sales; wholesale sales; takings from repairs, meals and hiring of goods (except for rent, leasing and hiring of land and buildings); and commissions from agency activity (e.g. commissions received from collecting dry cleaning, selling lottery tickets, etc).

Industry detail

6. The names of the industries for which statistics are published in this bulletin align with the titles given in ASIC, except for the following groupings:

Other food stores: ASIC classes 4883, 4885, 4886

Hotels, liquor stores, licensed clubs: ASIC classes 9232, 4884, 9241, 9242, 9243

Clothing and fabrics stores: ASIC classes 4843, 4844, 4847

Electrical goods stores: ASIC classes 4855, 4856

Other stores: ASIC classes 4892, 4893, 4895, 4896, 4897, 9351, 9352

Constant price statistics

7. To enable analysis of the movement of retail activity in 'real' terms, estimates of retail turnover at constant (average 1984-85) prices are compiled each quarter. Constant price retail turnover series are derived by deflating the original current price series of retail turnover by specially compiled indexes of price change.

Reliability of estimates

8. Retail trade statistics may be subject to error from various sources, which are usually classified as either sample or non-sample error.

Sample error

9. Since retail turnover is estimated from a survey which includes a sampled component, the estimates are subject to sampling error. That is, they may differ from figures that would have resulted if all enterprises with retail establishments were included in the survey. One measure of the likely difference is given by the standard error. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all in-scope units had been included, and about nineteen chances in twenty that the difference will be less than two standard errors.

10. Standard errors of estimates for the latest month and of estimates of change since the preceding month are shown in the tables. An example of the use of these standard errors is given below:

The *estimated change* of \$271.3 million (3.6 per cent) in the total value of turnover between July 1992 and June 1992 has a standard error of about \$29.4 million (0.4 per cent). Therefore, there are two chances in three that the change which would have been obtained if all units had been included in the survey would be within the range \$241.9 million to \$300.7 million (3.2 per cent to 4.0 per cent) and nineteen chances in twenty that the change would be within \$212.5 million to \$330.1 million (2.8 per cent to 4.4 per cent).

11. The standard errors for some industries in some States are relatively high and users are advised to exercise caution in interpreting movements for such series. Some users may wish to combine such industries to obtain an estimate of the combined group which is more accurate than the components. The standard error of level of any such combination of industries may be calculated by squaring the standard error for each of the component industries, adding the squared standard errors together and taking the square root of that sum. For example, suppose the standard error of level for Industry A is \$1.5 million and the standard error for Industry B is \$2.0 million. Then the standard error for the combination of Industries A and B is $\sqrt{(1.5)^2 + (2.0)^2} = \2.5 million.

12. Standard errors of estimates of change between non-consecutive months are not shown in publication tables.

These standard errors are generally much higher than the standard errors of change between consecutive months. For example, the standard error of change between the latest month and the corresponding month of the previous year is, on average, approximately 1.4 times the standard error of level of the latest month.

13. Seasonally adjusted, trend and constant price estimates are also subject to sampling variability. For seasonally adjusted estimates, the standard errors are approximately the same percentage of the estimate as for the unadjusted series. For trend estimates, the standard errors are generally not larger than for the seasonally adjusted estimates and are likely to be smaller. For constant price estimates, the standard errors may be up to 10 per cent higher than those for the corresponding current price estimates because of the sampling variability contained in the prices data used to deflate the current price estimates.

Non-sample error

14. This category includes a number of possible errors that arise in any type of collection, whether or not sampling of units is undertaken. The most significant of these errors are: misreporting of data items; deficiencies in coverage; non-response; and processing errors. In some cases the presence of these errors would, at least in part, be reflected in the size of the standard error.

15. *Reporting error.* Such error may arise because of poor form design, inability by survey respondents to provide requested data, or simply because of clerical error. Every effort is made to minimise reporting error by the careful design and testing of forms, and by examining inconsistencies both between different respondents and between the reports in successive months for each respondent.

16. Turnover is a relatively simple data item to collect accurately because it corresponds closely to total takings by respondents. While some reporting errors will be random and thus cancel out, others may be consistently in one direction and lead to bias in the results.

17. *Under coverage.* Because of limited sources available to identify enterprises with no employees, only enterprises with employees are included in the new survey. Non-employed units are estimated to account for approximately 6% of total turnover but their significance varies substantially from industry to industry. While the exclusion of such units will therefore lead to consistent underestimation of the level of turnover, their exclusion is considered to have a negligible effect on short term movements in Retail Trade.

18. Some error may also arise because of lags in the identification of new businesses. Studies undertaken by the ABS suggest that these lags also have a negligible impact on short term movements but lead to a small consistent underestimation of the level of turnover each month. An improved method of updating new businesses is currently being implemented. Refer to paragraph 25 for more details.

19. *Non-response.* The survey of Retail Trade is a monthly survey conducted to tight timetables so that not all forms are received in time for publication. Extensive telephone follow up is undertaken each month to obtain details for respondents who have not returned forms by the due date. Despite this, it is necessary to impute responses for approximately 1 to 2 per cent of selected units (which are, in the main, small retailers). The consequences of this imputation for data quality are also reflected, in part, in the size of the standard error.

20. *Processing errors.* Such errors may arise at any stage of processing. Editing procedures should detect significant errors at data entry stage, while all processing systems are thoroughly tested. Published tables are produced directly from 'camera-ready' computer output to avoid the possibility of clerical transcription errors at the tabulation stage.

Seasonally adjusted and trend estimates

21. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences can be more clearly recognised.

22. In the seasonal adjustment of the turnover estimates, account has been taken of both normal seasonal factors and 'trading-day' effects (arising from the varying length of each month and the varying numbers of Sundays, Mondays, Tuesdays, etc. in the month). For total turnover for Australia, adjustment has also been made for the effects of change in the date of Easter and Australia Day holidays. Seasonal adjustment does not remove from the series the effect of irregular influences (e.g. abnormal weather, industrial disputes) and the seasonally adjusted estimates still reflect the sampling and non-sampling errors to which the original estimates are subject.

23. The smoothing of seasonally adjusted series to create trend estimates is a means of reducing the impact of the irregular component of the series. The trend estimates are derived by applying a 13-term Henderson-weighted moving average to the respective seasonally adjusted series. These trend series are used to analyse the underlying behaviour of the series over time.

24. While this smoothing technique enables estimates of trend to be produced for the latest month, it does result in revisions to the estimates for the most recent months as data for subsequent months become available. Generally subsequent revisions become smaller and after 3 months have a negligible impact on the series. To illustrate the effect of the seasonally adjusted results on the trend series movement, if the August seasonally adjusted result shows a +1.0 per cent movement, then the trend movement would be 0.2 per cent for August and July, and 0.3 for June. A -1.0 per cent movement would return a trend movement of -0.1 per cent for August. July and June would be revised downwards by 0.1 percentage points and 0.2 percentage points respectively.

Coverage adjustment

25. This survey uses as its sampling frame the ABS's register of businesses which is regularly updated to take account of new businesses and businesses ceasing operation. A major source of information on new businesses is group employer (GE) registrations with the Australian Tax Office. The ABS has developed an improved computerised system which will reduce the delay in new businesses from this source being recorded on the register, while at the same time an analysis has been undertaken to identify businesses which have been omitted from the register in the past. During the time these improvements to the register were being implemented, it was necessary to temporarily suspend updating the register from GE registrations. New GE businesses were represented in the survey results for the period June 1990 to February 1991 by a small allowance (a 'new business provision') which was based on an analysis of the contribution of such units in previous periods and taking current changes to economic conditions into consideration.

26. Following the completion of the improvements to the Business Register and the analysis of previously omitted businesses the series have been revised back to April 1982. Details for prior periods not covered by the March 1991 bulletin are available from the ABS on request. At the Australia level these revisions have increased the estimates of turnover by approximately 4 per cent but have had no appreciable effect on the estimates of changes from previous months or years.

27. For a complete description of the improvements to the ABS' business register and the impacts of these changes on statistical series, users should refer to *Information Paper: Australian Bureau of Statistics Business Register -*

Recent Developments, 1991 (Catalogue no. 8130.0). This paper was released on 28 May 1991.

Related publications

28. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, 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 publication, but included in totals
ASIC	Australian Standard Industrial Classification
r	revised

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RICHARD MADDEN
Acting Australian Statistician

Retail turnover seasonal factors are available for sale

The combined seasonal factors used to convert original Australian total estimates to the seasonally adjusted estimate are available to interested users. Any business in the field of economic prediction would find these factors extremely useful in assisting their work.

The cost for the full 12 months forward combined factors is \$275 (including faxing).

For more information contact *Bill Powell* on (06) 252 6132

