

58-8705

S

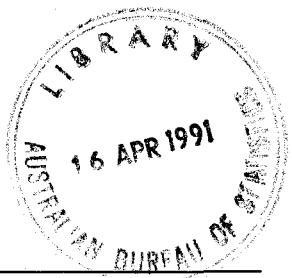


**Australian
Bureau of
Statistics**

CATALOGUE NO. 8501.0

EMBARGOED UNTIL 11.30 A.M. 16 APRIL 1991

**RETAIL TRADE
AUSTRALIA, FEBRUARY 1991**



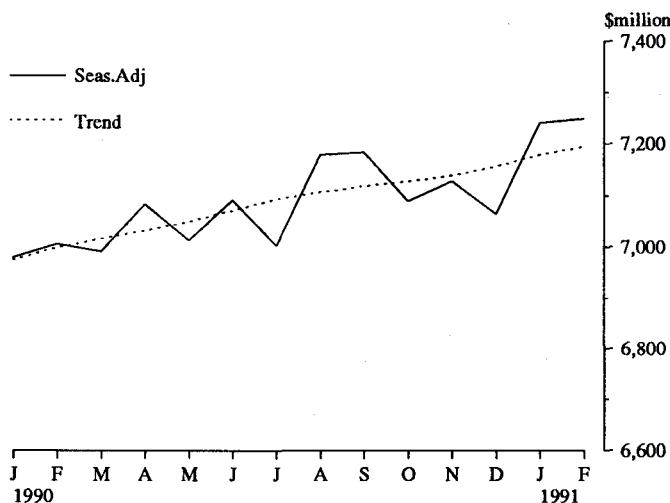
SUMMARY OF FINDINGS

Australian estimates

Turnover for retail (excluding motor vehicle dealers, service stations, etc.) and selected service establishments covered by the survey continues to show very weak growth, with trend estimates increasing by an average of 0.2 per cent per month for the last three months. The annual growth rate (February 1991 over February 1990) is 2.8 per cent, resulting in an average monthly increase over the past year of 0.2 per cent.

In seasonally adjusted terms the estimate for February 1991 rose 0.1 per cent over January 1991. In original terms the estimate of turnover for retail and selected service establishments fell 8.8 per cent to \$6364.9m.

CHART 1: TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS, MONTHLY ESTIMATES, AUSTRALIA



Trend estimates for the most recent months may be revised as data for subsequent months become available. For example, if the March seasonally adjusted estimate shows a 1.0 per cent rise, then the movement in the trend estimate for March would be 0.5 per cent. February and January would be revised upwards by 0.3 and 0.2 percentage points respectively. A 1.0 per cent fall in the seasonally adjusted estimate would produce a movement in the trend estimate for March of 0.3 per cent. February would remain at 0.2 per cent, and January would be revised down by 0.1 percentage points. See paragraphs 23 and 24 of the Explanatory Notes.

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- for further information about statistics in this publication and the availability of related unpublished statistics, contact Bill Powell on Canberra (06) 252 6132 or any ABS office.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 refer to the back page of this publication.

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



Industry trends

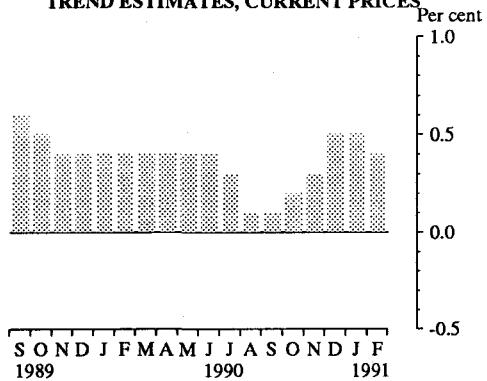
The trend estimates show that, of the large industries, the Grocery and Clothing industries are showing moderate to strong growth over the past 3 months. The trend rate of growth for the Grocery industry is similar to the 12 month average. However for the Clothing industry the 3 monthly average is significantly higher than the 12 month average. Hotels, liquor stores and licensed clubs remain in decline while Department stores have exhibited virtually no growth over the last three months. Of the remaining industries, Footwear stores and Electrical goods stores are showing strong growth, Domestic hardware stores/jewellers and Furniture stores are showing moderate growth, while the rest are showing either weak growth or are in decline.

PERCENTAGE CHANGE IN TREND ESTIMATES OF TURNOVER

Industry	Average monthly increase for 3 months to February 1991	Average monthly increase for 12 months to February 1991
Grocers	0.9	0.8
Hotels, liquor stores, licensed clubs	-0.7	0.1
Department and general stores	0.0	0.3
Clothing and fabrics stores	1.2	0.5
Total all industries	0.2	0.2

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

Analysis of the *retail only* industries in total shows growth averaging 0.5 per cent per month over the last 3 months. Over the past year (February 1991 over February 1990) the *retail* industries have shown growth in turnover of 4.1 per cent, which is 1.3 percentage points higher than the all industries growth rate over the same period. The higher growth rate for *retail only* industries (as compared to that for the all industries) is due to the impact of Hotels, liquor stores and licensed clubs on the overall figure.



State trends

Tasmania and the Australian Capital Territory are showing moderate growth rates, averaging 0.7 and 0.8 per cent growth respectively in the trend estimates for the last three months.

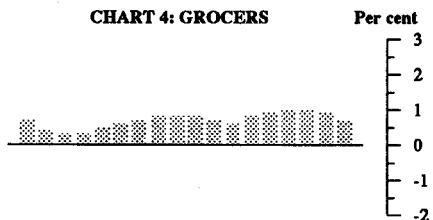
Average growth over the last three months in the other States, apart from Western Australia, range from 0.1 per cent for New South Wales to 0.6 per cent for South Australia. Western Australia continues the slight decline evident over the last few months.

NOTE: Explanatory Notes are at the back of this publication.

TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS, AUSTRALIA

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

CHART 4: GROCERS

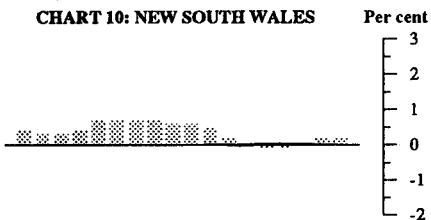


Per cent

TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS

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

CHART 10: NEW SOUTH WALES



Per cent

CHART 5 : OTHER FOOD STORES

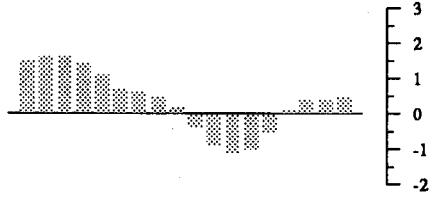


CHART 11 : VICTORIA

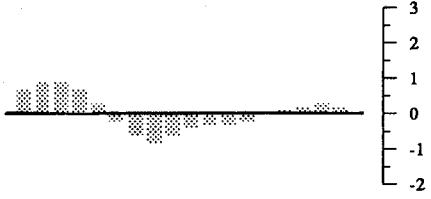


CHART 6 : HOTELS, CLUBS etc

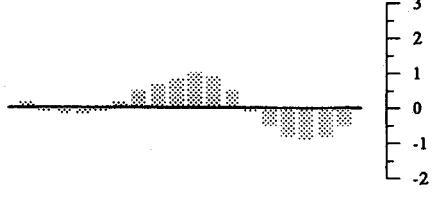
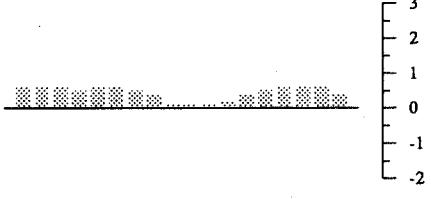


CHART 12 : QUEENSLAND



Per cent

CHART 7 : CLOTHING STORES etc

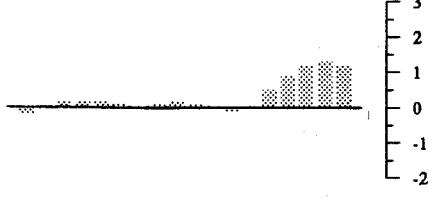
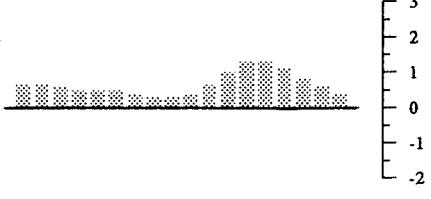


CHART 13 : SOUTH AUSTRALIA



Per cent

CHART 8 : DEPARTMENT STORES

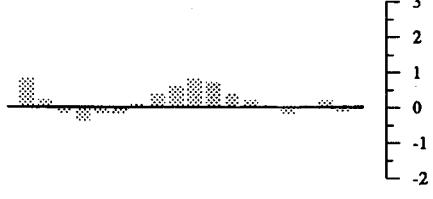
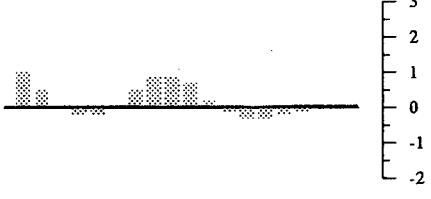


CHART 14 : WESTERN AUSTRALIA



Per cent

CHART 9 : ELECTRICAL GOODS STORES

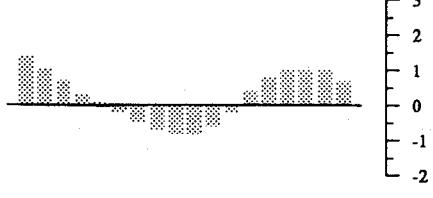
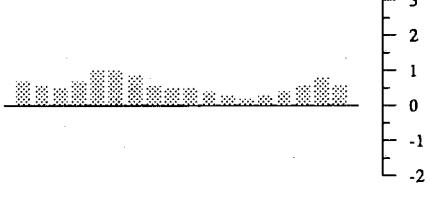


CHART 15 : TASMANIA



Per cent

S O N D J F M A M J J A S O N D J F
1989 1990 1991

S O N D J F M A M J J A S O N D J F
1989 1990 1991

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	\$m	% change from corresponding month of previous year	
1989—								
December	9,364.9	30.1	6.6	6,940.7	-0.1	6,944.2	0.5	8.7
1990—								
January	6,681.7	-28.7	8.9	6,981.4	0.6	6,976.4	0.5	8.2
February	6,153.7	-7.9	8.3	7,007.1	0.4	7,001.3	0.4	7.7
March	6,914.1	12.4	7.0	6,993.1	-0.2	7,018.1	0.2	7.2
April	6,617.6	-4.3	6.5	7,083.5	1.3	7,033.5	0.2	6.7
May	7,014.9	6.0	7.9	7,014.1	-1.0	7,050.6	0.2	6.2
June	6,873.2	-2.0	5.0	7,092.3	1.1	7,073.4	0.3	5.7
July	6,687.2	-2.7	3.8	7,003.8	-1.2	7,093.7	0.3	5.2
August	6,986.3	4.5	6.5	7,180.4	2.5	7,108.3	0.2	4.6
September	6,792.3	-2.8	0.9	7,184.8	0.1	7,118.6	0.1	4.0
October	7,147.6	5.2	6.3	7,089.9	-1.3	7,128.4	0.1	3.6
November	7,473.0	4.6	3.8	7,127.6	0.5	7,140.4	0.2	3.3
December	9,395.1	25.7	0.3	7,064.8	-0.9	7,157.2	0.2	3.1
1991—								
January	6,979.6	-25.7	4.5	7,241.9	2.5	7,179.6	0.3	2.9
February	6,364.9	-8.8	3.4	7,250.2	0.1	7,195.6	0.2	2.8
Standard error (c) of								
Latest month	58.3							
Change from								
previous month	26.9	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	% change from preceding quarter	
AT CURRENT PRICES						
1989—						
December	23,285.4	18.0	8.4	20,701.3	1.3	9.5
1990—						
March	19,749.5	-15.2	8.1	20,981.6	1.4	7.0
June	20,505.7	3.8	6.4	21,189.9	1.0	6.7
September	20,465.8	-0.2	3.7	21,369.0	0.8	4.6
December	24,015.7	17.3	3.1	21,282.3	-0.4	2.8
AT CONSTANT (AVERAGE 1984-85) PRICES						
1989—						
December	16,694.6	16.9	2.7	14,853.9	0.3	3.7
1990—						
March	14,014.2	-16.1	2.4	14,841.4	-0.1	1.4
June	14,299.0	2.0	1.1	14,796.0	-0.3	1.4
September	14,212.9	-0.6	-0.5	14,857.7	0.4	0.4
December	16,479.6	15.9	-1.3	14,619.5	-1.6	-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)

Month	Grocers, confectioners, tobacco- smokers	Butchers	Hotels, liquor stores, licensed clubs	Other food stores	Cafes and restau- rants	Clothing and fabrics stores	Depart- ment and general Footwear stores	Domestic hardware stores, jewellers	Electri- cal goods stores	Furni- ture stores	Floor cover- ings stores	Pharma- cies	News- agents	Other stores	Total	
<i>1989 —</i>																
December	2,249.0	213.8	500.8	1,193.3	412.0	727.3	1,544.1	116.6	408.8	590.5	176.0	61.5	350.1	300.7	520.7	
<i>1990 —</i>																9,364.9
January	1,878.3	172.3	492.1	944.5	341.8	459.0	667.2	97.7	196.5	400.8	141.1	49.5	263.6	254.2	323.1	
February	1,814.1	166.3	429.2	849.6	308.6	385.7	576.4	74.5	179.1	374.9	130.6	53.3	244.3	262.4	304.8	
March	2,034.1	188.0	466.6	932.8	348.9	461.3	715.1	87.5	196.8	405.9	146.0	59.5	279.4	256.9	335.3	
April	1,895.2	172.7	452.9	896.5	323.3	493.4	731.8	95.0	174.8	387.5	131.2	52.2	268.9	228.2	314.0	
May	1,982.8	185.1	451.8	884.6	324.0	557.6	801.9	100.0	191.9	441.0	151.1	62.5	296.0	252.0	332.6	
June	1,963.1	194.5	457.8	876.0	308.1	518.5	821.1	103.6	173.3	423.3	148.3	62.7	272.3	237.0	313.7	
July	1,914.1	186.5	454.9	889.8	319.8	503.2	700.6	91.6	172.7	404.5	151.6	56.3	276.0	245.1	320.7	
August	2,066.0	191.2	460.4	905.9	320.9	492.3	749.0	84.6	181.2	423.3	146.5	62.5	299.4	264.3	339.0	
September	1,943.2	180.2	432.5	937.9	334.2	490.4	737.0	93.5	181.7	384.6	141.1	59.3	303.5	234.0	339.1	
October	2,056.4	184.4	458.7	965.5	326.6	527.6	782.1	93.2	198.3	411.2	155.4	64.2	327.7	237.8	358.6	
November	2,141.6	181.4	455.7	995.0	337.1	554.7	922.8	94.0	222.2	426.7	155.4	64.2	311.9	242.1	368.2	
December	2,380.6	198.8	516.6	1,187.6	372.1	748.1	1,549.6	131.0	351.3	591.3	161.8	55.6	363.8	288.5	498.4	
<i>1991 —</i>																9,395.1
January	2,162.3	169.1	479.6	951.9	329.1	482.1	697.2	108.2	185.8	413.1	139.8	45.2	274.4	230.1	311.9	
February	1,985.0	158.7	423.4	861.7	296.1	415.9	607.4	80.3	188.9	371.9	131.1	49.8	263.3	240.2	291.3	
<i>Standard error (b) of</i>																6,364.9
<i>Level Change</i>	21.9	10.1	20.9	30.1	16.4	16.6	10.7	0.0	4.1	8.9	11.8	6.4	3.0	15.7	14.0	
	9.7	1.8	10.8	8.9	6.8	6.8	1.9	0.0	3.9	9.1	3.3	1.4	6.5	8.5	58.3	
															26.9	
<i>TREND ESTIMATES (c) \$ million</i>																
December	1,917.7	176.2	455.3	917.7	n.p.	511.7	803.2	95.0	213.1	431.4	148.6	58.7	273.9	250.7	n.p.	
<i>1990 —</i>																6,944.2
January	1,927.4	180.2	460.2	917.2	n.p.	512.8	801.5	95.6	210.7	431.8	149.4	58.9	277.6	251.8	n.p.	
February	1,939.4	183.5	463.6	918.8	n.p.	513.3	799.9	95.3	209.6	431.1	149.8	59.4	281.4	253.0	n.p.	
March	1,953.6	185.8	466.3	923.1	n.p.	513.5	800.3	94.4	209.4	429.1	150.0	59.7	284.3	254.2	n.p.	
April	1,969.7	187.1	468.6	929.8	n.p.	514.2	803.6	93.6	210.0	426.2	150.1	59.7	286.0	255.2	n.p.	
May	1,985.8	187.6	469.5	937.7	n.p.	515.1	808.8	93.4	210.7	422.7	150.2	59.6	287.6	255.8	n.p.	
June	2,001.7	187.8	467.6	946.7	n.p.	515.8	814.9	93.3	210.9	419.3	150.1	59.5	290.3	256.0	n.p.	
July	2,015.9	187.5	463.3	954.8	n.p.	515.7	820.5	93.2	209.7	416.7	149.0	59.3	294.5	255.5	n.p.	
August	2,029.0	186.4	458.1	959.6	n.p.	515.0	824.1	93.7	206.3	415.9	147.0	59.0	299.1	253.7	n.p.	
September	2,044.7	184.5	453.7	959.0	n.p.	514.9	825.5	94.9	201.6	417.4	144.9	58.3	302.4	249.9	n.p.	
October	2,063.1	182.0	451.6	953.8	n.p.	517.4	825.1	96.8	197.4	420.6	143.4	57.5	303.4	244.7	n.p.	
November	2,083.6	179.3	451.9	946.1	n.p.	522.3	823.8	99.0	194.8	424.7	142.9	56.7	301.7	239.8	n.p.	
December	2,104.9	176.9	453.6	937.9	n.p.	528.6	823.7	101.3	194.4	428.8	143.2	55.8	298.2	236.1	n.p.	
<i>1991 —</i>																7,157.2
January	2,124.8	174.8	455.5	930.4	n.p.	535.4	825.4	103.4	195.7	432.9	144.1	55.1	294.4	233.6	n.p.	
February	2,140.6	173.2	457.6	925.4	n.p.	541.6	824.3	105.0	198.3	436.1	145.6	54.1	290.9	232.3	n.p.	

See footnotes at end of table.

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

Month	Grocers, confec- tioners, tobacc- onists	Butchers	TREND ESTIMATES (c)										Other stores	Total		
			Hotels, liquor stores, licensed clubs	Other food stores	Cafes and rest- aurants	Clothing and fabrics	Footwear stores	Department and general stores	Domestic hardware stores, jewellers	Electri- cal goods	Furni- ture stores	Floor cover- ings stores	Pharma- cies			
percentage change from preceding month																
1989 —																
December	0.3	2.4	1.4	-0.2	n.p.	0.2	-0.4	1.0	-1.3	0.3	1.0	-0.3	1.3	0.2	n.p.	0.5
1990 —																
January	0.5	2.3	1.1	-0.1	n.p.	0.2	-0.2	0.6	-1.1	0.1	0.5	0.3	1.4	0.4	n.p.	0.5
February	0.6	1.8	0.7	0.2	n.p.	0.1	-0.2	-0.3	-0.5	-0.2	0.3	0.8	1.4	0.5	n.p.	0.4
March	0.7	1.3	0.6	0.5	n.p.	0.0	0.1	-0.9	-0.1	-0.5	0.1	0.5	1.0	0.5	n.p.	0.2
April	0.8	0.7	0.5	0.7	n.p.	0.1	0.4	-0.8	0.3	-0.7	0.1	0.0	0.6	0.4	n.p.	0.2
May	0.8	0.3	0.2	0.8	n.p.	0.2	0.6	-0.2	0.3	-0.8	0.1	-0.2	0.6	0.2	n.p.	0.2
June	0.8	0.1	-0.4	1.0	n.p.	0.1	0.8	-0.1	0.1	-0.8	-0.1	-0.2	0.9	0.1	n.p.	0.3
July	0.7	-0.2	-0.9	0.9	n.p.	0.0	0.7	-0.1	-0.1	-0.6	-0.6	-0.7	1.4	-0.2	n.p.	0.3
August	0.6	-0.6	-1.1	0.5	n.p.	-0.1	0.4	0.5	-1.6	-0.2	-1.3	-0.5	1.6	-0.7	n.p.	0.2
September	0.8	-1.0	-1.0	-0.1	n.p.	0.0	0.2	1.3	-2.3	0.4	-1.4	-1.2	1.1	-1.5	n.p.	0.1
October	0.9	-1.4	-0.5	-0.5	n.p.	0.5	0.0	2.0	-2.1	0.8	-1.0	-1.4	0.3	-2.1	n.p.	0.1
November	1.0	-1.5	0.1	-0.8	n.p.	0.9	-0.2	2.3	-1.3	1.0	-0.3	-1.4	-0.6	-2.0	n.p.	0.2
December	1.0	-1.3	0.4	-0.9	n.p.	1.2	0.0	2.3	-0.2	1.0	0.2	-1.6	-1.2	-1.5	n.p.	0.2
1991 —																
January	0.9	-1.2	0.4	-0.8	n.p.	1.3	0.2	2.1	0.7	1.0	0.6	-1.3	-1.1	n.p.	0.3	
February	0.7	-0.9	0.5	-0.5	n.p.	1.2	-0.1	1.5	1.3	0.7	1.0	-1.8	-1.2	-0.6	n.p.	0.2
percentage change from corresponding month of previous year																
1989 —																
December	8.4	7.6	16.4	11.3	n.p.	-4.7	4.1	15.3	-2.6	17.5	9.4	-3.6	15.1	9.5	n.p.	8.7
1990 —																
January	7.9	8.6	16.7	10.3	n.p.	-4.9	4.3	16.6	-6.2	15.3	8.7	-1.7	15.5	7.5	n.p.	8.2
February	7.8	9.0	16.4	8.9	n.p.	-4.8	4.6	15.9	-8.9	13.2	7.5	0.7	15.9	5.8	n.p.	7.7
March	8.0	9.1	15.5	7.2	n.p.	-4.2	4.9	13.1	-10.6	11.1	6.3	2.2	15.8	4.7	n.p.	7.2
April	8.2	9.0	14.6	5.8	n.p.	-3.0	5.0	9.3	-11.1	9.0	5.6	2.2	15.3	3.8	n.p.	6.7
May	8.2	9.1	13.5	4.7	n.p.	-1.4	4.9	6.3	-10.9	6.7	5.5	1.2	14.8	2.9	n.p.	6.2
June	8.1	9.6	11.9	4.3	n.p.	-0.1	4.6	4.1	-10.1	4.1	5.8	0.0	14.6	2.1	n.p.	5.7
July	7.9	10.3	9.6	4.2	n.p.	0.6	3.9	2.5	-9.6	1.6	5.4	-0.7	14.8	1.4	n.p.	5.2
August	7.7	10.6	6.9	4.2	n.p.	0.8	3.2	2.1	-9.6	-0.3	3.9	-0.8	15.0	0.6	n.p.	4.6
September	7.8	9.9	4.3	4.0	n.p.	0.9	2.5	2.6	-9.8	-1.3	1.5	-1.4	14.6	-0.5	n.p.	4.0
October	8.3	7.7	2.1	3.5	n.p.	1.5	2.2	3.9	-10.0	-1.5	-1.0	-2.4	13.5	-2.2	n.p.	3.6
November	9.0	4.2	0.6	2.9	n.p.	2.3	2.2	5.2	-9.8	-1.2	-2.9	-3.7	11.6	-4.1	n.p.	3.3
December	9.8	0.4	-0.4	2.2	n.p.	3.3	2.6	6.6	-8.8	-0.6	-3.6	-4.9	8.9	-5.8	n.p.	3.1
1991 —																
January	10.2	-3.0	-1.0	1.4	n.p.	4.4	3.0	8.2	-7.1	0.3	-3.5	-6.5	6.1	-7.2	n.p.	2.9
February	10.4	-5.6	-1.3	0.7	n.p.	5.5	3.1	10.2	-5.4	1.2	-2.8	-8.9	3.4	-8.2	n.p.	2.8

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

	Grocers, confectioners, tobacconists	Hotels, liquor stores,	Cafes and rest- aurants	Clothing and fabrics	Depart- ment and general Footwear	Domestic hardware stores, stores	Elec- trical goods	Furni- ture stores	Floor cover- ings stores	Pharma- cies	News- agents	Other stores	Total
Quarter	Butchers	Other food stores	Licensed clubs	Autumn	stores	Jewellers	stores	stores	stores	stores	agents	stores	Total
<i>1989 —</i>													
December	4,305.1	405.5	921.5	2,131.3	753.8	1,225.5	2,294.6	218.4	680.9	1,209.0	353.8	123.3	668.9
<i>1990 —</i>													
March	4,061.8	384.6	912.4	1,863.5	697.5	896.4	1,399.7	187.7	447.1	997.0	293.8	105.0	576.7
June	4,049.7	395.0	864.4	1,788.8	653.8	1,056.4	1,655.6	213.7	414.7	1,058.0	294.2	114.0	607.3
September	4,109.2	403.4	880.3	1,811.8	660.9	994.2	1,527.5	192.2	414.1	1,017.4	298.8	112.9	626.8
December	4,508.4	412.6	922.1	2,040.3	689.7	1,204.0	2,242.2	222.5	592.4	1,193.2	313.1	115.8	700.5
ORIGINAL \$million													
<i>SEASONALLY ADJUSTED ESTIMATES</i>													
1989 —													
December	4,107.0	378.9	880.1	1,919.8	n.p.	1,054.8	1,749.9	205.7	496.8	1,079.5	319.5	113.3	608.6
<i>1990 —</i>													
March	4,105.7	399.9	908.4	1,880.7	n.p.	1,049.6	1,696.9	204.6	494.4	1,092.1	312.7	115.3	612.8
June	4,136.8	405.4	892.5	1,894.1	n.p.	1,054.0	1,726.8	202.2	483.6	1,073.0	309.0	117.7	629.7
September	4,226.7	407.5	904.7	1,908.9	n.p.	1,029.9	1,718.2	202.1	482.6	1,052.2	301.8	109.6	633.5
December	4,271.3	388.4	875.9	1,840.8	n.p.	1,024.9	1,706.0	207.4	438.6	1,057.4	279.0	106.6	638.2
percentage change from preceding quarter													
1989 —													
December	-0.1	0.1	7.2	-1.7	n.p.	-1.3	0.2	3.5	-7.1	1.8	3.4	-8.8	3.8
<i>1990 —</i>													
March	0.0	5.5	3.2	-2.0	n.p.	-0.5	-3.0	-0.5	-0.5	1.2	-2.1	1.7	0.7
June	0.8	1.4	-1.7	0.7	n.p.	0.4	1.8	-1.2	-2.2	-1.7	-1.2	2.1	2.8
September	2.2	0.5	1.4	0.8	n.p.	-2.3	-0.5	0.0	-0.2	-1.9	-2.4	-6.9	0.6
December	1.1	-4.7	-3.2	-3.6	n.p.	-0.5	-0.7	2.6	-9.1	0.5	-7.5	-2.7	0.7
percentage change from corresponding quarter of previous year													
1989 —													
December	2.2	-1.4	6.8	4.5	n.p.	-6.3	-0.2	10.1	-1.4	18.2	2.6	-13.0	11.2
<i>1990 —</i>													
March	0.3	1.0	9.8	0.4	n.p.	-11.7	-1.1	10.5	-9.8	12.8	2.1	-0.7	9.4
June	2.2	3.0	9.2	-2.4	n.p.	-5.5	1.9	5.4	-12.7	5.9	-4.9	-4.8	9.8
September	2.8	7.6	10.1	-2.3	n.p.	-3.7	-1.6	1.7	-9.7	-0.8	-2.4	-11.8	8.1
December	4.0	2.5	-0.5	-4.1	n.p.	-2.8	-2.5	0.8	-11.7	0.8	-2.0	-12.7	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									
1989 — December	3,324.5	2,494.2	1,537.3	711.3	821.0	231.4	78.0	157.2	9,364.9
1990 — January	2,357.6	1,724.0	1,152.8	523.5	587.2	164.4	59.5	112.7	6,681.7
February	2,197.8	1,581.9	1,038.9	473.2	539.7	158.3	57.9	105.9	6,153.7
March	2,476.0	1,745.8	1,162.1	546.3	618.4	179.2	66.1	120.2	6,914.1
April	2,375.7	1,668.1	1,097.5	529.5	596.1	167.4	65.2	118.4	6,617.6
May	2,519.0	1,742.0	1,188.8	559.7	624.7	180.1	72.5	128.1	7,014.9
June	2,456.2	1,685.9	1,192.7	541.9	620.6	173.1	74.5	128.2	6,873.2
July	2,424.5	1,621.7	1,147.1	529.5	594.0	166.2	79.0	125.2	6,687.2
August	2,523.5	1,692.3	1,217.2	553.1	616.1	176.6	80.5	127.0	6,986.3
September	2,477.3	1,631.3	1,171.8	543.7	596.0	170.6	76.3	125.3	6,792.3
October	2,594.8	1,722.5	1,232.2	584.0	626.3	180.0	77.5	130.3	7,147.6
November	2,716.5	1,806.7	1,270.5	624.0	652.9	191.5	74.8	136.2	7,473.0
December	3,383.8	2,346.6	1,578.6	763.9	831.5	236.2	84.1	170.3	9,395.1
1991 — January	2,504.9	1,691.9	1,224.0	578.5	608.9	183.6	64.9	122.9	6,979.6
February	2,290.4	1,548.6	1,097.6	518.9	558.1	170.4	63.2	117.6	6,364.9
TREND ESTIMATES (c) \$ million									
Standard error (b) of Level Change	43.4	27.7	21.5	12.7	9.6	5.1	1.1	2.5	58.3
	20.6	13.5	6.6	7.1	4.0	2.4	0.7	1.6	26.9
1989 — December	2,463.9	1,785.5	1,174.4	543.8	614.8	171.9	n.p.	121.0	6,944.2
1990 — January	2,480.0	1,790.8	1,181.3	546.6	613.8	173.6	n.p.	121.7	6,976.4
February	2,496.7	1,787.5	1,188.5	549.2	614.5	175.3	n.p.	122.6	7,001.3
March	2,513.4	1,776.3	1,194.8	551.2	617.5	176.8	n.p.	123.6	7,018.1
April	2,530.3	1,762.8	1,199.3	552.6	622.8	177.9	n.p.	124.7	7,033.5
May	2,545.5	1,751.6	1,201.0	554.0	628.6	178.8	n.p.	126.1	7,050.6
June	2,560.2	1,744.5	1,201.9	556.4	632.8	179.7	n.p.	127.5	7,073.4
July	2,571.8	1,739.4	1,203.7	560.3	634.1	180.4	n.p.	128.6	7,093.7
August	2,577.8	1,734.7	1,206.4	566.1	633.2	180.9	n.p.	129.4	7,108.3
September	2,578.9	1,731.4	1,210.8	573.2	631.3	181.3	n.p.	129.9	7,118.6
October	2,576.3	1,730.9	1,216.8	580.6	629.6	181.9	n.p.	130.4	7,128.4
November	2,573.1	1,733.2	1,223.9	586.9	628.4	182.7	n.p.	131.2	7,140.4
December	2,573.3	1,737.1	1,231.1	591.8	628.0	183.8	n.p.	132.3	7,157.2
1991 — January	2,577.3	1,742.2	1,238.4	595.5	627.9	185.2	n.p.	133.4	7,179.6
February	2,581.8	1,745.3	1,243.2	597.7	627.9	186.3	n.p.	134.3	7,195.6

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	Australian Capital Territory	Australia
TREND ESTIMATES (c) percentage change from preceding month									
1989—									
December	0.4	0.7	0.5	0.5	-0.2	0.7	n.p.	0.4	0.5
1990—									
January	0.7	0.3	0.6	0.5	-0.2	1.0	n.p.	0.6	0.5
February	0.7	-0.2	0.6	0.5	0.1	1.0	n.p.	0.7	0.4
March	0.7	-0.6	0.5	0.4	0.5	0.9	n.p.	0.8	0.2
April	0.7	-0.8	0.4	0.3	0.9	0.6	n.p.	0.9	0.2
May	0.6	-0.6	0.1	0.3	0.9	0.5	n.p.	1.1	0.2
June	0.6	-0.4	0.1	0.4	0.7	0.5	n.p.	1.1	0.3
July	0.5	-0.3	0.1	0.7	0.2	0.4	n.p.	0.9	0.3
August	0.2	-0.3	0.2	1.0	-0.1	0.3	n.p.	0.6	0.2
September	0.0	-0.2	0.4	1.3	-0.3	0.2	n.p.	0.4	0.1
October	-0.1	0.0	0.5	1.3	-0.3	0.3	n.p.	0.4	0.1
November	-0.1	0.1	0.6	1.1	-0.2	0.4	n.p.	0.6	0.2
December	0.0	0.2	0.6	0.8	-0.1	0.6	n.p.	0.8	0.2
1991—									
January	0.2	0.3	0.6	0.6	0.0	0.8	n.p.	0.8	0.3
February	0.2	0.2	0.4	0.4	0.0	0.6	n.p.	0.7	0.2
TREND ESTIMATES (c) percentage change from corresponding month of previous year									
1989—									
December	10.2	6.8	11.0	4.7	8.7	8.0	n.p.	5.9	8.7
1990—									
January	9.5	6.6	10.6	4.5	7.2	7.8	n.p.	6.2	8.2
February	9.0	6.0	9.9	4.7	6.6	7.9	n.p.	7.3	7.7
March	8.6	4.9	9.1	5.1	6.7	8.3	n.p.	8.7	7.2
April	8.1	3.5	8.2	5.4	7.1	8.7	n.p.	10.0	6.7
May	7.6	2.4	7.2	5.7	7.3	8.9	n.p.	11.0	6.2
June	7.2	1.6	6.3	6.0	7.0	8.9	n.p.	11.4	5.7
July	6.6	1.0	5.6	6.3	5.8	8.5	n.p.	11.0	5.2
August	6.1	0.3	5.1	6.8	4.3	7.9	n.p.	10.3	4.6
September	5.8	-0.6	4.8	7.3	3.0	7.4	n.p.	9.5	4.0
October	5.4	-1.5	4.7	8.0	2.2	7.1	n.p.	9.0	3.6
November	4.9	-2.3	4.8	8.5	2.0	7.0	n.p.	8.9	3.3
December	4.4	-2.7	4.8	8.8	2.1	6.9	n.p.	9.3	3.1
1991—									
January	3.9	-2.7	4.8	8.9	2.3	6.7	n.p.	9.6	2.9
February	3.4	-2.4	4.6	8.8	2.2	6.3	n.p.	9.5	2.8

(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>1989 —</i>									
December	6,036.9	4,254.8	2,775.1	1,304.5	1,472.7	406.7	149.9	294.0	16,694.6
<i>1990 —</i>									
March	5,025.3	3,548.0	2,378.5	1,107.7	1,223.0	354.6	131.1	245.9	14,014.2
June	5,174.6	3,498.9	2,424.8	1,152.3	1,268.1	363.3	148.8	268.2	14,299.0
September	5,208.7	3,381.5	2,461.2	1,136.8	1,237.0	355.9	163.9	267.9	14,212.9
December	6,046.3	3,967.7	2,800.0	1,350.6	1,431.2	414.8	161.4	307.7	16,479.6
SEASONALLY ADJUSTED ESTIMATES \$million									
<i>1989 —</i>									
December	5,342.3	3,751.4	2,497.2	1,172.4	1,322.4	363.6	n.p.	264.5	14,853.9
<i>1990 —</i>									
March	5,344.9	3,736.4	2,526.1	1,175.2	1,282.4	370.9	n.p.	267.2	14,841.4
June	5,372.7	3,634.7	2,529.9	1,184.5	1,303.8	375.2	n.p.	273.7	14,796.0
September	5,443.9	3,568.6	2,502.2	1,180.4	1,302.1	377.4	n.p.	274.7	14,857.7
December	5,328.8	3,497.9	2,518.9	1,210.9	1,276.6	368.8	n.p.	274.4	14,619.5
percentage change from preceding quarter									
<i>1989 —</i>									
December	0.5	0.5	0.7	1.1	0.4	-0.3	n.p.	0.4	0.3
<i>1990 —</i>									
March	0.0	-0.4	1.2	0.2	-3.0	2.0	n.p.	1.0	-0.1
June	0.5	-2.7	0.2	0.8	1.7	1.2	n.p.	2.5	-0.3
September	1.3	-1.8	-1.1	-0.3	-0.1	0.6	n.p.	0.3	0.4
December	-2.1	-2.0	0.7	2.6	-2.0	-2.3	n.p.	-0.1	-1.6
percentage change from corresponding quarter of previous year									
<i>1989 —</i>									
December	5.9	0.0	5.1	0.2	5.9	3.5	n.p.	0.3	3.7
<i>1990 —</i>									
March	2.8	-0.5	4.6	0.0	0.0	1.8	n.p.	1.9	1.4
June	1.7	-2.7	2.9	2.6	2.1	4.4	n.p.	7.1	1.4
September	2.4	-4.4	0.9	1.8	-1.1	3.4	n.p.	4.3	0.4
December	-0.3	-6.8	0.9	3.3	-3.5	1.4	n.p.	3.7	-1.6

(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	NEW SOUTH WALES										Other stores	News. areas	Other Total
	Grocers, confectioners, tobacco- onists	Hotels, liquor stores,	Cafes and licensed clubs	Clothing and fabrics stores	Depart- ment and general stores	Footwear stores	Domestic hardware stores, jewellers	Electri- cal goods stores	Furni- ture stores	Floor- cover- ings stores			
1989—													
December	690.7	86.1	179.3	518.8	157.0	254.8	553.4	44.1	152.7	189.8	68.1	19.6	135.3
1990—													
January	551.9	68.8	188.3	424.2	132.7	158.5	234.5	35.8	60.7	129.3	51.5	14.3	105.6
February	548.2	68.7	164.0	379.2	123.4	133.3	198.9	27.1	57.6	118.1	48.0	14.2	99.5
March	598.0	75.5	174.6	426.4	129.6	165.3	255.0	32.1	65.8	131.7	54.6	19.5	113.0
April	558.2	69.6	173.5	419.8	125.2	175.1	256.5	34.1	56.1	124.1	49.7	17.0	112.3
May	583.9	74.6	172.8	418.8	121.6	204.0	283.9	35.7	62.7	142.3	56.4	21.2	122.0
June	594.5	81.9	171.0	415.5	115.2	172.1	284.4	39.7	57.2	130.2	55.1	22.7	112.7
July	584.3	79.7	167.5	434.3	114.2	171.0	254.0	34.2	55.2	129.4	54.1	18.4	114.9
August	633.4	81.1	169.8	437.6	120.5	166.8	263.9	32.7	59.0	134.2	51.3	21.1	122.1
September	596.1	75.4	147.9	443.2	129.1	178.4	265.6	35.2	58.9	128.3	51.8	22.5	134.5
October	620.4	75.9	160.9	461.2	120.4	193.4	276.3	34.6	65.0	140.6	59.1	22.2	145.4
November	655.2	76.2	159.8	469.2	126.1	208.5	325.7	35.3	73.7	143.2	56.3	22.7	138.4
December	729.2	81.5	180.7	536.0	146.3	284.5	558.6	48.6	108.3	211.3	60.4	20.6	152.4
1991—													
January	666.7	67.2	168.2	449.8	125.0	178.9	248.6	37.7	55.3	140.1	52.2	15.6	114.2
February	606.8	65.0	148.2	406.0	110.5	148.8	214.6	28.6	58.6	126.9	48.7	17.8	113.7
<i>Standard error (b) of</i>													
Level	14.0	6.8	15.3	25.8	11.8	11.7	0.0	3.3	4.8	7.7	3.8	2.3	11.7
Change	7.8	1.0	7.4	6.5	5.5	8.2	0.0	1.5	2.3	6.9	2.9	1.1	6.1
TREND ESTIMATES (c)													
1990—													
September	622.5	77.5	161.8	460.1	n.p.	185.0	291.9	35.5	68.0	138.4	53.1	19.7	130.1
October	628.8	75.4	159.5	454.3	n.p.	188.8	291.7	35.6	64.7	140.9	52.7	19.8	132.0
November	636.0	73.3	158.6	446.5	n.p.	192.7	291.6	35.9	61.8	143.3	52.8	20.0	131.6
December	643.9	71.6	158.2	438.5	n.p.	196.2	291.6	36.4	59.9	145.4	53.1	20.3	129.4
1991—													
January	651.6	70.2	158.0	430.7	n.p.	199.3	292.2	37.0	58.9	147.3	53.7	20.6	126.6
February	657.7	69.2	157.8	424.7	n.p.	201.8	291.0	37.3	58.8	148.6	54.4	20.8	123.6
percentage change from preceding month													
September	1.1	-1.9	-2.4	-0.5	n.p.	1.7	-0.1	0.0	-4.0	1.5	-1.5	-0.5	2.7
October	1.0	-2.7	-1.4	-1.3	n.p.	2.1	-0.1	0.3	-4.9	1.8	-0.8	0.5	1.5
November	1.1	-2.8	-0.6	-1.7	n.p.	2.1	0.0	0.8	-4.5	1.7	0.2	1.0	-0.3
December	1.2	-2.3	-0.3	-1.8	n.p.	1.8	0.0	1.4	-3.1	1.5	0.6	1.5	-1.7
1991—													
January	1.2	-2.0	-0.1	-1.8	n.p.	1.6	0.2	1.6	-1.7	1.3	1.1	1.5	-2.2
February	0.9	-1.4	-0.1	-1.4	n.p.	1.3	-0.4	0.8	-0.2	0.9	1.3	1.0	-2.4

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, tobacc-	Hotels, liquor stores, licensed clubs	Cafes and rest- aurants	Clothing and fabrics stores	Depart- ment general Footwear stores	Domestic hardware stores, jewellers	Electri- cal goods stores	Furni- ture stores	Floor cover- ings stores	Pharma- cies	News- agents	Other stores	Total
	anists	Butchers			VICTORIA								
<i>1989—</i>													
December	645.2	53.8	126.6	248.0	116.0	209.9	390.8	28.1	132.2	157.9	42.1	16.9	89.2
<i>1990—</i>													
January	544.5	45.1	114.1	185.8	88.9	118.2	151.3	21.8	71.4	106.5	34.4	12.5	65.7
February	515.0	41.6	101.1	169.0	85.4	106.2	135.3	18.8	61.1	100.2	30.4	14.6	59.7
March	533.2	50.5	106.6	176.9	102.3	119.3	165.7	19.9	66.3	102.4	32.1	13.4	65.7
April	538.2	45.8	100.6	163.8	86.3	131.3	177.6	23.2	59.9	105.0	29.9	11.7	62.8
May	561.2	48.5	97.4	155.3	87.9	143.9	188.1	24.0	65.5	114.4	33.6	13.6	67.7
June	544.2	48.5	100.1	152.0	81.3	139.5	195.9	22.7	58.6	109.1	30.9	14.5	58.1
July	518.7	44.2	100.1	150.8	91.3	137.1	156.5	21.1	61.6	103.7	34.8	11.3	56.7
August	563.6	46.2	99.2	152.4	84.7	131.2	171.7	18.6	63.2	108.5	35.3	12.8	62.1
September	533.5	45.4	91.1	172.8	88.2	123.1	163.5	19.2	61.5	94.8	30.9	10.0	60.1
October	575.7	45.3	94.3	172.9	86.2	132.9	177.8	21.5	67.5	98.2	33.1	12.6	63.4
November	598.3	43.6	94.5	183.9	82.7	140.3	213.4	22.3	74.8	99.7	35.0	11.0	60.4
December	665.1	48.1	115.0	237.5	87.8	199.9	375.7	34.4	123.1	135.1	38.5	11.9	73.1
<i>1991—</i>													
January	593.9	43.5	102.3	166.7	79.3	117.5	154.0	29.4	65.7	98.0	33.8	8.1	57.6
February	548.6	41.0	85.0	158.8	75.0	108.3	136.8	22.9	67.5	82.4	30.7	8.3	52.7
Standard error (b) of Level Change	13.8	6.0	6.8	12.3	7.7	7.2	0.0	2.1	6.4	7.7	4.1	1.3	4.9
	5.0	0.9	5.3	4.2	3.1	4.5	0.0	0.9	2.8	5.2	1.0	0.4	1.9
<i>TREND ESTIMATES (c)</i>													
<i>1990—</i>													
September	565.1	45.4	96.8	172.7	n.p.	135.5	191.1	21.9	68.8	102.7	32.1	11.3	61.3
October	570.5	45.3	95.7	173.2	n.p.	134.7	192.0	23.0	68.2	101.2	32.3	10.8	60.5
November	576.5	45.1	95.2	172.2	n.p.	134.3	192.2	24.5	68.2	100.1	32.7	10.4	59.6
December	581.9	45.0	95.3	170.1	n.p.	134.3	191.8	26.0	68.8	99.3	33.4	10.1	58.6
<i>1991—</i>													
January	586.3	45.0	95.5	167.5	n.p.	134.5	191.3	27.4	69.9	98.8	34.2	9.8	57.9
February	588.8	44.9	95.8	164.9	n.p.	134.8	189.6	28.5	71.3	98.5	35.1	9.4	57.4
percentage change from preceding month													
September	0.6	-0.4	-1.8	0.9	n.p.	-0.7	0.6	3.3	-1.3	-1.8	-0.6	-5.0	-1.1
October	1.0	-0.2	-1.1	0.3	n.p.	-0.6	0.5	5.0	-0.9	-1.5	0.6	-4.4	-1.3
November	1.1	-0.4	-0.5	0.1	n.p.	-0.3	0.1	6.5	0.0	-1.1	1.2	-3.7	-1.5
December	0.9	-0.2	0.1	-1.2	n.p.	0.0	-0.2	6.1	0.9	-0.8	2.1	-2.9	-1.7
<i>1991—</i>													
January	0.8	0.0	0.2	-1.5	n.p.	0.1	-0.3	5.4	1.6	-0.5	2.4	-3.0	-1.2
February	0.4	-0.2	0.3	-1.6	n.p.	0.2	-0.9	4.0	2.0	-0.3	2.6	-4.1	-0.9

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, confec- tioners, tobac- co-nists		Hotels, liquor stores, licensed		Clothing and fabrics stores		Depart- ment and general stores		Domestic hardware stores		Electri- cal goods stores		Floor cover- ings stores		Pharma- ceutics		News- agents		Other stores	
	Butchers	Bucllers	Other food stores	Cafes and rest- aurants	Aurants	Clothes and fabrics stores	Footwear stores	General stores	Furniture stores	Jewellers stores	Electri- cal goods stores	Furni- ture stores	Furni- ture stores	Furni- ture stores	Pharma- ceutics	News- agents	Other stores	Total		
ORIGINAL \$ million																				
1989—																				
December	375.7	38.4	85.8	193.5	53.7	130.2	235.3	20.9	54.2	115.9	27.7	9.6	54.9	50.3	91.1	1,537.3				
1990—																				
January	321.0	31.4	92.2	154.7	53.4	90.8	111.8	19.9	30.9	75.7	23.0	7.3	39.1	45.7	56.0	1,152.8				
February	314.1	29.9	76.9	133.7	38.9	71.0	95.0	13.2	27.7	74.8	21.8	8.6	35.2	43.8	54.3	1,038.9				
March	348.8	33.9	84.7	142.0	49.0	84.7	117.5	16.9	31.7	74.6	26.5	9.8	43.1	39.9	59.0	1,162.1				
April	327.2	31.3	81.1	134.0	47.6	86.8	110.8	16.5	27.6	68.4	20.5	8.7	40.7	39.2	56.7	1,097.0				
May	342.3	33.4	80.9	135.6	48.6	101.8	125.5	17.9	28.9	78.2	26.1	10.7	46.7	43.2	68.9	1,188.8				
June	339.0	35.5	84.9	134.9	45.9	102.7	138.4	19.9	24.7	80.5	28.2	10.2	42.3	42.3	61.7	1,192.7				
July	337.7	35.4	85.0	133.5	49.7	92.5	107.6	16.1	22.8	73.9	28.2	10.4	47.3	43.7	63.1	1,147.1				
August	354.9	34.7	86.8	140.9	52.0	98.0	123.1	15.7	24.5	79.9	25.6	12.5	53.3	44.8	70.6	1,217.2				
September	334.5	32.0	85.3	143.3	44.9	97.9	125.4	19.1	26.2	71.5	25.7	11.3	50.2	42.0	62.5	1,171.8				
October	355.8	33.2	86.8	147.4	46.4	105.3	128.7	16.1	28.3	77.6	27.9	12.5	53.4	45.3	67.5	1,232.2				
November	362.7	32.7	85.1	153.8	47.6	110.6	147.9	15.9	33.1	83.9	28.6	12.9	47.4	42.9	65.4	1,270.5				
December	397.7	35.0	94.2	183.8	54.4	137.5	239.4	21.5	52.1	116.7	27.9	10.7	56.5	50.4	100.8	1,578.6				
1991—																				
January	372.9	31.0	94.9	147.4	53.0	96.8	117.1	19.8	31.8	83.5	21.5	9.9	42.3	42.7	59.4	1,224.0				
February	340.2	28.4	84.2	129.5	45.5	81.0	99.0	12.1	31.8	78.6	21.3	11.2	39.1	42.4	53.4	1,097.6				
TREND ESTIMATES (c)																				
\$ million																				
percentage change from preceding month																				
Standard error (b) of																				
Level	6.3	3.7	9.8	7.8	7.0	7.7	0.0	1.1	3.7	3.6	2.7	1.2	5.5	6.5	5.8	21.5				
Change	1.5	0.8	2.2	2.9	1.7	3.2	0.0	0.6	1.2	1.9	0.6	0.7	1.4	1.0	2.2	6.6				
1990—																				
September	352.1	32.3	85.4	143.2	n.p.	96.1	132.6	16.9	27.9	78.1	26.3	11.5	49.8	45.3	n.p.	1,210.8				
October	354.8	31.8	85.1	145.0	n.p.	97.6	133.2	17.1	28.5	79.5	25.7	11.6	49.4	44.2	n.p.	1,216.8				
November	357.7	31.6	85.2	146.2	n.p.	99.8	133.6	17.2	29.5	81.3	25.1	11.5	48.3	43.0	n.p.	1,223.9				
December	360.5	31.6	85.8	146.9	n.p.	102.1	133.8	17.3	30.7	83.2	24.4	11.5	47.2	42.0	n.p.	1,231.1				
1991—																				
January	363.0	31.7	86.6	147.1	n.p.	104.3	134.1	17.3	32.1	84.9	23.8	11.5	46.1	41.2	n.p.	1,238.4				
February	365.0	32.0	87.5	146.9	n.p.	105.7	133.6	17.2	33.6	86.2	23.4	11.5	45.1	40.8	n.p.	1,243.2				

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, tobacc-	Hotels, liquor stores,	Cafes and rest- aurants	Clothing and fabrics stores	Depart- ment and general stores	Footwear stores	Domestic hardware stores, jewellers	Electri- cal goods stores	Furni- ture stores	Floor cover- ings stores	Pharma- cies	News- agents	Other stores	Total
	onists	Other food stores	licensed clubs	auerants										
SOUTH AUSTRALIA ORIGINAL \$ million														
1989—														
December	183.3	17.2	42.4	79.9	26.2	47.6	147.0	8.6	24.1	42.2	16.8	4.9	23.9	17.8
1990—	158.1	13.0	39.0	60.9	21.3	35.3	70.4	7.3	13.7	32.6	15.0	4.8	18.1	13.2
January	146.4	12.1	34.6	55.3	20.4	27.6	62.8	5.3	12.8	28.6	13.4	5.0	16.7	12.5
February	170.0	13.6	40.7	62.2	22.0	34.3	73.3	7.4	12.6	33.6	14.5	5.6	19.0	14.9
March	158.2	12.6	38.4	62.5	19.7	36.8	77.7	8.5	12.0	32.3	14.0	4.7	17.8	12.2
April	167.5	13.4	38.7	57.6	21.0	39.4	85.9	8.7	13.3	37.4	16.0	5.7	19.7	13.8
May	162.6	15.5	39.1	55.7	19.5	37.7	79.6	8.4	11.9	37.8	14.5	5.0	19.5	13.6
June	155.8	13.5	39.1	53.4	19.5	38.8	80.1	7.6	11.4	36.4	15.3	5.6	18.1	14.2
July	171.9	15.0	40.9	55.9	19.6	34.3	80.5	6.9	13.4	36.6	14.9	6.1	20.9	14.7
August	161.4	13.7	41.3	59.3	22.2	34.7	77.1	8.1	13.1	32.3	14.7	5.0	20.1	12.9
September	175.0	15.2	45.2	62.2	24.1	37.4	85.1	8.7	14.1	34.2	15.1	5.9	23.1	13.4
October	181.2	15.0	46.5	64.5	30.0	35.8	103.8	8.4	15.4	35.8	14.8	6.9	22.9	15.6
November	201.0	19.2	48.4	80.6	25.8	44.1	154.1	10.3	23.8	46.7	14.1	3.9	30.0	20.0
December	183.7	14.2	44.1	65.8	23.0	35.7	74.0	8.5	12.0	34.9	14.0	4.2	24.6	12.7
1991—	168.0	12.7	39.5	57.7	19.0	28.1	66.5	6.4	11.3	30.7	12.5	4.4	23.7	13.0
January														
February														
Standard error (b) of														
Level	5.8	2.1	5.7	3.3	2.8	3.3	0.0	0.5	1.1	2.3	0.9	0.6	6.7	4.2
Change	1.4	0.5	4.8	2.7	0.7	3.3	0.0	0.5	0.4	1.6	1.0	0.4	0.2	0.6
TREND ESTIMATES (c) \$ million														
1990—	169.0	14.9	42.1	61.6	n.p.	36.5	87.2	8.3	14.0	35.9	14.6	5.6	20.8	14.3
September	172.2	14.9	42.8	61.9	n.p.	35.7	87.9	8.5	13.7	35.9	14.5	5.4	21.8	14.5
October	175.7	14.8	43.4	62.1	n.p.	35.3	88.4	8.6	13.4	35.9	14.3	5.2	22.9	14.6
November	179.1	14.7	43.7	62.1	n.p.	35.2	88.7	8.7	13.1	35.8	14.1	5.0	23.9	14.7
December	182.3	14.5	44.0	62.1	n.p.	35.4	89.0	8.7	13.0	35.6	14.0	4.7	24.7	14.6
1991—	184.6	14.3	44.1	61.9	n.p.	35.9	89.1	8.7	12.9	35.3	14.0	4.4	25.4	14.5
January														
February														
percentage change from preceding month														
1990—	1.3	0.7	1.9	0.5	n.p.	-2.4	1.2	3.8	-2.1	-0.3	-1.4	0.0	3.0	0.7
September	1.9	0.0	1.7	0.5	n.p.	-2.2	0.8	2.4	-2.1	0.0	-0.7	-3.6	4.8	1.4
October	2.0	-0.7	1.4	0.3	n.p.	-1.1	0.6	1.2	-2.2	0.0	-1.4	-3.8	4.4	0.7
November	1.9	-0.7	0.7	0.0	n.p.	-0.3	0.3	1.2	-2.2	-0.3	-1.4	-3.8	4.4	0.7
December														
1991—	1.8	-1.4	0.7	0.0	n.p.	0.6	0.3	0.0	-0.8	-0.6	-0.7	-6.0	3.3	-0.7
January	1.3	-1.4	0.2	-0.3	n.p.	1.4	0.1	0.0	-0.8	-0.8	-0.8	-6.4	2.8	-0.7
February														

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		Cafes and rest- aurants		Clothing and fabrics stores		Depart- ment and general stores		Domestic hardware stores, jewellers		Furni- ture stores		Floor cover- ings stores		Pharma- cies		News- agents		Other stores		Total		
		Butchers	Other food stores	Cafes and rest- aurants	Footwear stores	Footwear stores	Footwear stores	Footwear stores	Footwear stores	Footwear stores	Footwear stores	Footwear stores	Furni- ture stores	Furni- ture stores	Furni- ture stores	Furni- ture stores	Furni- ture stores	Furni- ture stores	Furni- ture stores	Furni- ture stores	Furni- ture stores	WESTERN AUSTRALIA ORIGINAL \$ million		
1989— December	225.4	9.7	44.0	96.6	41.2	50.1	139.5	8.7	30.0	57.4	10.9	7.6	36.2	20.4	43.3	821.0								
1990— January	193.1	7.1	39.4	73.7	30.1	33.9	63.6	7.9	12.8	38.6	9.1	7.8	23.5	17.6	29.1	587.2								
February	182.3	7.2	34.4	71.6	24.7	27.7	53.1	5.6	13.0	35.5	8.7	8.1	22.7	18.4	26.8	539.7								
March	212.0	7.2	40.8	77.9	28.8	33.0	66.6	6.3	13.2	43.5	9.4	8.0	26.3	18.6	26.9	618.4								
April	198.0	6.4	41.0	71.7	28.9	36.8	70.5	7.3	11.9	38.5	7.7	7.4	24.3	20.3	25.6	596.1								
May	206.7	7.2	42.1	70.6	28.3	39.2	75.5	7.9	13.5	43.9	8.9	8.0	27.8	19.1	25.9	624.7								
June	201.5	6.2	42.9	68.6	30.8	37.5	80.3	7.1	13.8	43.4	8.9	6.9	26.4	21.0	25.2	620.6								
July	198.2	5.9	42.9	67.6	29.5	35.2	64.1	7.2	15.1	39.6	9.7	7.0	26.4	17.7	27.8	594.0								
August	212.5	5.9	43.7	70.1	29.3	35.4	69.9	5.4	14.0	41.7	8.9	6.2	28.1	19.8	25.3	616.1								
September	197.3	5.7	45.7	69.8	32.2	31.6	66.8	6.6	14.3	36.4	8.9	6.6	26.0	18.5	29.6	596.0								
October	205.1	6.1	49.5	71.2	31.9	32.4	73.6	6.9	15.5	38.9	10.1	7.0	28.9	17.5	31.6	626.3								
November	215.1	6.0	48.4	71.9	33.1	33.4	83.9	6.9	16.3	41.6	10.1	7.3	28.6	18.3	31.9	632.9								
December	245.7	6.6	54.8	90.0	39.2	48.5	140.0	8.8	28.8	52.6	10.1	5.3	37.7	23.4	40.1	831.5								
1991— January	216.7	6.2	47.6	71.7	33.3	30.1	65.9	7.1	13.6	36.9	9.6	4.6	23.4	16.1	26.3	608.9								
February	201.2	4.9	44.7	64.0	30.0	26.1	57.0	5.2	12.8	34.1	9.3	5.3	22.8	17.4	23.2	558.1								
<i>Standard error (b) of Level Change</i>		3.7	0.7	4.9	3.3	3.5	2.3	0.0	0.1	1.1	2.0	0.9	0.5	2.9	2.3	2.4	9.6							
		1.6	0.7	1.8	1.8	1.7	0.7	0.0	0.1	0.8	0.9	0.2	0.1	0.4	0.6	1.2	4.0							
TREND ESTIMATES (c)																								
percentage change from preceding month																								
1990— September	210.2	5.9	46.8	72.9	n.p.	34.1	76.6	6.5	15.7	40.0	9.1	6.4	27.3	19.1	n.p.	631.3								
October	210.6	6.1	47.4	71.5	n.p.	33.4	75.9	6.6	15.3	40.0	9.2	6.3	27.2	18.6	n.p.	629.6								
November	211.4	6.2	47.6	70.3	n.p.	33.1	75.5	6.7	14.9	40.0	9.3	6.1	27.1	18.2	n.p.	628.4								
December	212.8	6.2	47.5	69.2	n.p.	33.1	75.5	6.9	14.8	40.0	9.4	5.9	26.8	17.8	n.p.	623.0								
1991— January	214.2	6.2	47.1	68.0	n.p.	33.4	75.9	7.0	14.6	40.1	9.6	5.7	26.5	17.5	n.p.	627.9								
February	215.6	6.1	46.6	67.2	n.p.	33.6	76.1	7.1	14.7	40.1	9.8	5.5	26.2	17.1	n.p.	627.9								

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, tobac- conists	Hotels, liquor stores, licensed	Cafes and rest- aurants	Clothing and fabrics	Depart- men- tial stores	Domestic hardware stores	Electri- cal goods	Furni- ture stores	Floor- cover- ings	Pharma- cies	News- agents	Other stores	Total
	Butchers	Other food stores	clubs	stores	Footwear stores	jewellers	stores	stores	stores	stores	stores	stores	Total
TASMANIA													
ORIGINAL \$ million													
1989—													
December	64.3	5.4	11.8	32.4	6.7	19.0	35.0	3.4	5.7	13.2	4.1	1.4	7.1
1990—													
January	52.7	4.2	8.9	26.2	5.6	11.8	15.8	2.6	2.5	8.5	3.1	1.5	6.2
February	51.2	4.1	9.0	23.4	5.4	11.4	14.6	2.6	2.4	8.4	3.4	1.3	5.4
March	60.1	4.4	8.6	26.5	6.4	13.9	16.2	2.7	2.8	9.3	3.3	1.7	6.5
April	55.2	3.8	8.5	24.1	5.4	13.7	17.1	2.9	2.6	8.9	3.0	1.4	5.9
May	57.4	4.3	9.1	23.9	5.4	15.3	19.2	3.1	2.6	11.6	3.7	1.7	6.5
June	56.0	3.9	9.7	23.9	5.0	14.7	18.4	3.1	2.4	9.9	3.3	1.6	6.4
July	54.3	3.9	9.4	23.4	4.9	13.1	15.5	2.7	2.3	10.0	3.4	1.7	6.9
August	59.8	4.4	9.7	22.6	4.8	13.1	17.3	2.5	2.9	10.5	3.8	2.0	7.1
September	55.4	4.2	10.4	23.6	5.4	11.7	16.5	2.7	3.1	10.1	2.9	1.8	7.0
October	57.3	4.8	11.2	24.8	6.1	13.1	17.6	2.6	3.1	9.7	3.2	2.0	7.5
November	61.2	4.3	11.1	26.2	5.8	13.6	21.1	2.7	3.5	10.9	3.6	1.7	8.0
December	68.2	5.4	12.2	31.6	7.0	16.5	35.8	4.0	6.3	14.1	3.8	1.6	7.5
1991—													
January	61.6	4.1	11.8	29.7	5.8	12.1	16.7	2.7	2.9	9.7	3.1	1.2	6.9
February	55.4	3.8	10.9	26.1	5.1	14.0	15.2	3.0	2.6	9.1	2.8	1.3	6.0
TREND ESTIMATES(c)													
Standard error (b) of													
Level Change	1.6	0.8	1.7	2.7	0.6	3.1	0.0	0.3	0.1	0.5	0.1	0.1	0.8
	0.7	0.2	0.3	0.9	0.3	2.0	0.0	0.1	0.0	0.3	0.2	0.1	0.9
\$ million													
1990—													
September	58.0	4.3	10.6	25.0	n.p.	13.5	18.8	2.9	3.2	10.3	3.3	1.8	7.2
October	58.4	4.4	10.8	25.1	n.p.	13.2	18.9	2.9	3.2	10.5	3.3	1.7	7.2
November	58.9	4.4	11.0	25.4	n.p.	13.1	19.1	2.9	3.2	10.7	3.3	1.6	7.1
December	59.5	4.4	11.1	25.9	n.p.	13.1	19.3	3.0	3.2	10.9	3.3	1.5	7.0
1991—													
January	60.1	4.3	11.1	26.5	n.p.	13.4	19.5	3.0	3.2	11.1	3.2	1.4	6.9
February	60.4	4.2	11.1	27.1	n.p.	13.7	19.5	3.1	3.1	11.3	3.2	1.4	6.8
percentage change from preceding month													
1990—													
September	0.2	2.4	2.9	-0.4	n.p.	-3.6	0.5	0.0	3.2	2.0	0.0	0.0	1.4
October	0.7	2.3	1.9	0.4	n.p.	-2.2	0.5	0.0	0.0	1.9	0.0	-5.6	-1.1
November	0.9	0.0	1.9	1.2	n.p.	-0.8	1.1	0.0	0.0	1.9	0.0	-5.9	-1.4
December	1.0	0.0	0.9	2.0	n.p.	0.0	1.0	3.4	0.0	1.9	0.0	-6.3	-1.4
1991—													
January	1.0	-2.3	0.0	2.3	n.p.	2.3	1.0	0.0	0.0	1.8	-3.0	-6.7	-1.4
February	0.5	-2.3	0.0	2.3	n.p.	2.2	0.0	3.3	-3.1	1.8	0.0	0.0	-3.8

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	AUSTRALIAN CAPITAL TERRITORY										News- agents	Other stores	Total			
	Grocers, confectioners, tobacc-		Hotels, liquor stores, licensed		Cafes and restau- rants		Clothing and fabrics stores		Depart- ment and general stores							
	onists	tobac- coists	Other food stores	Butchers	Cafes and restau- rants	Clothing and fabrics stores	Footwear stores	Footwear stores	Electri- cal goods	Furni- ture stores	Floor- cover- ings					
ORIGINAL \$ million																
1989— December	35.1	2.4	7.3	15.4	7.3	11.9	34.3	2.0	6.8	8.3	4.7	1.5	5.2	5.8	9.2	157.2
1990— January	30.2	1.9	7.1	11.9	6.7	8.0	15.4	1.8	3.3	6.6	3.9	1.2	4.1	4.1	6.4	112.7
February	30.8	2.0	6.0	10.7	6.4	6.6	12.6	1.4	3.1	6.4	3.8	1.2	5.2	5.8	105.9	
March	32.4	2.0	6.9	13.4	7.5	8.4	16.2	1.7	3.0	7.2	4.0	1.4	4.4	5.1	6.6	120.2
April	31.1	2.0	6.5	12.6	7.1	10.0	17.1	2.0	3.3	6.8	5.1	1.3	3.6	4.2	5.6	118.4
May	33.1	2.0	6.7	13.6	7.5	11.0	18.8	2.0	3.6	9.1	4.7	1.6	3.9	4.6	5.9	128.1
June	34.1	1.8	6.3	13.9	7.7	11.0	18.9	2.0	3.4	7.7	5.5	1.7	3.7	4.6	5.9	128.2
July	33.5	1.7	6.5	13.7	8.2	11.0	17.6	1.9	3.0	7.3	4.6	1.7	3.9	4.4	6.3	125.2
August	36.0	1.8	6.1	14.2	7.7	9.9	16.9	1.9	3.0	7.6	5.1	1.6	4.0	5.0	6.0	127.0
September	33.6	1.8	6.6	14.8	9.8	9.0	16.9	1.9	3.2	6.9	4.5	1.8	4.0	4.2	6.4	125.3
October	35.0	1.9	6.8	14.9	8.8	9.0	18.0	2.0	3.3	7.6	5.2	1.5	4.4	4.9	6.9	130.3
November	36.4	1.8	6.6	15.6	9.2	9.1	21.0	2.0	3.7	7.2	5.3	1.6	4.5	5.2	7.0	136.2
December	40.5	1.8	8.0	18.4	9.0	12.5	36.7	2.6	6.3	8.9	5.2	1.6	4.5	6.2	8.4	170.3
1991— January	36.2	1.6	7.6	13.0	7.6	8.4	16.3	2.2	3.4	6.5	4.3	1.5	3.8	4.3	6.3	122.9
February	35.0	1.6	7.9	12.1	8.6	6.9	14.2	1.6	3.2	6.3	4.3	1.4	3.9	4.5	6.2	117.6
Standard error (b) of Level Change	1.3	0.3	0.7	1.0	1.3	0.3	0.0	0.0	0.1	0.4	0.3	0.1	0.5	0.6	0.6	2.5
	0.3	0.0	1.2	0.4	0.6	0.5	0.0	0.0	0.0	0.3	0.2	0.1	0.3	0.3	1.6	
											TREND ESTIMATE(S)(c) \$ million					
1990— September	35.0	1.7	6.2	14.6	n.p.	9.7	19.6	2.1	3.5	7.2	4.9	1.6	3.9	4.9	n.p.	129.9
October	35.3	1.7	6.5	14.7	n.p.	9.7	19.5	2.2	3.4	7.3	4.8	1.6	4.0	4.9	n.p.	130.4
November	35.7	1.8	6.9	14.7	n.p.	9.7	19.4	2.1	3.3	7.3	4.8	1.7	4.1	5.0	n.p.	131.2
December	36.2	1.8	7.3	14.7	n.p.	9.7	19.3	2.1	3.3	7.4	4.7	1.7	4.2	5.0	n.p.	132.3
1991— January	36.7	1.8	7.8	14.6	n.p.	9.7	19.3	2.1	3.4	7.4	4.7	1.7	4.2	5.0	n.p.	133.4
February	37.0	1.8	8.2	14.5	n.p.	9.7	19.3	2.0	3.5	7.5	4.6	1.7	4.3	5.0	n.p.	134.3
	percentage change from preceding month															
1990— September	1.2	0.0	0.0	1.4	n.p.	-1.0	0.0	0.0	-5.4	-1.4	0.0	0.0	0.0	2.1	n.p.	0.4
October	0.9	0.0	4.8	0.7	n.p.	0.0	-0.5	4.8	-2.9	1.4	-2.0	0.0	2.6	0.0	n.p.	0.4
November	1.1	5.9	6.2	0.0	n.p.	0.0	-0.5	-4.5	-2.9	0.0	0.0	6.3	2.5	2.0	n.p.	0.6
December	1.4	0.0	5.8	0.0	n.p.	0.0	-0.5	0.0	0.0	1.4	-2.1	0.0	2.4	0.0	n.p.	0.8
1991— January	1.4	0.0	6.8	-0.7	n.p.	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	n.p.	0.8
February	0.8	0.0	5.1	-0.7	n.p.	0.0	0.0	-4.8	2.9	1.4	-2.1	0.0	2.4	0.0	n.p.	0.7

(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 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>1989—</i>						
December	46.1	4.1	31.7	43.4	78.0	17.3
<i>1990—</i>						
January	41.0	-11.1	18.6	-41.3	59.5	-23.7
February	40.5	-1.2	17.4	-6.5	57.9	-2.7
March	45.0	11.1	21.2	21.8	66.1	14.2
April	44.9	-0.2	20.4	-3.8	65.2	-1.4
May	49.1	9.4	23.6	15.7	72.5	11.2
June	50.3	2.4	24.3	3.0	74.5	2.8
July	53.8	7.0	25.2	3.7	79.0	6.0
August	54.6	1.5	26.0	3.2	80.5	1.9
September	51.4	-5.9	24.9	-4.2	76.3	-5.2
October	51.8	0.8	25.8	3.6	77.5	1.6
November	49.2	-5.0	25.6	-0.8	74.8	-3.5
December	50.3	2.2	33.8	32.0	84.1	12.4
<i>1991—</i>						
January	45.1	-10.3	19.9	-41.1	64.9	-22.8
February	43.7	-3.1	19.5	-2.0	63.2	-2.6
<i>Standard error (c) of</i>						
Level	1.0		0.5		1.1	
Change	0.6		0.2		0.7	

(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 AUSSSTATS, 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 inscope 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 \$614.7 million (8.8 per cent) in the total value of turnover between February 1991 and January 1991 has a standard error of about \$26.9 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 \$587.8 million to \$641.6 million (8.4 per cent to 9.2 per cent) and nineteen chances in twenty that the change would be within \$560.9 million to \$668.7 million (8.0 per cent to 9.6 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-employing 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 26 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 5% 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 March seasonally adjusted result shows a +1.0 % movement, then the trend movement would be 0.5% for March and February, and 0.4% for January. A -1.0% movement would return a trend movement of 0.3% for March, and 0.2% for February and January.

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 opera-

tion. A major source of information on new businesses is group employer (GE) registrations with the Australian Tax Office. The ABS is developing 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 undertaking an analysis to identify businesses which have been omitted from the register in the past. During the time these improvements to the register are being implemented, it has been necessary to temporarily suspend updating the register from GE registrations. New GE businesses will be represented in the survey result for the period June to February 1991 by including a small allowance (a 'new business provision') which is based on analysis of the contribution of such units in previous periods and taking current changes to economic conditions into consideration. When the improvements to the business register have been completed in 1991 the series in this publication may be revised to correct any deficiencies in the new business provision for surveys from June to February 1991, using information that will then be available concerning new GE businesses.

26. The new sampling frame will be used in the calculation of the March estimates and may cause revisions to previously published data. As a result of this there may be a delay of approximately one week in the release of the March 1991 bulletin.

Related publications

27. 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

J. L. CARROLL
Acting Australian Statistician



For more information ...

The ABS publishes a wide range of information on Australia's economic and social conditions. A catalogue of publications and products is available from any of our Offices (see below for contact details).

Information Consultancy Service

Special tables or in-depth data investigations are provided by the ABS Information Consultancy Service in each of our Offices (see below for contact details).

Electronic Data Services

A growing range of our data are available on electronic media. Selections of the most frequently requested data are available, updated daily, on DISCOVERY (Key *656#). Our TELESTATS service delivers major economic indicator publications ready to download into your computer on the day of release. Our AUSSSTATS service enables on-line access to a data base of thousands of up-to-date time series. Selected datasets are also available on diskette or CD-ROM. For more details on our electronic data services, contact Information Services in any of our Offices on the numbers below.

Bookshops and Subscriptions

There are over 500 titles available from the ABS Bookshops in each of our Offices. You can also receive any of our publications on a regular basis. Join our subscription mailing service and have your publications mailed to you in Australia at no additional cost. Telephone our Publications Subscription Service toll free on 008 02 06 08 Australia wide.

Sales and Inquiries



SYDNEY (02) 268 4611
MELBOURNE (03) 615 7000
BRISBANE (07) 222 6351
PERTH (09) 323 5140

ADELAIDE (08) 237 7100
HOBART (002) 20 5800
DARWIN (089) 81 3456
CANBERRA (06) 252 6627



Information Services, ABS, PO Box 10, Belconnen ACT 2616
or any ABS State office.

