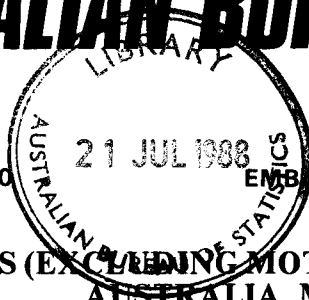




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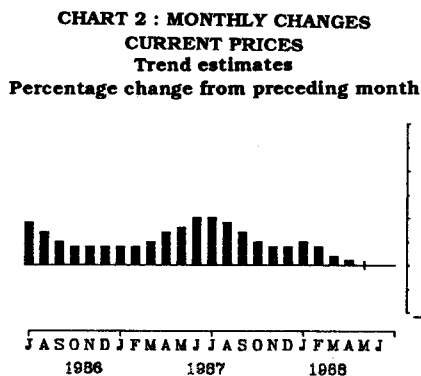
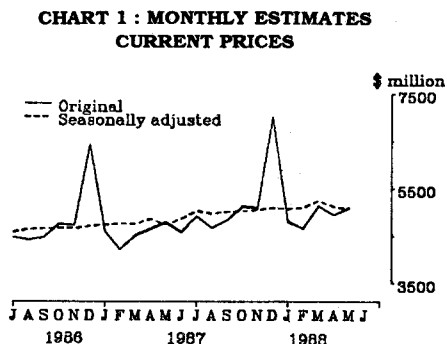


RETAIL SALES OF GOODS (EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.), AUSTRALIA, MAY 1988

- PHONE INQUIRIES**
- *about these statistics*—contact Maurie Low on Canberra (062) 52 5647 or any ABS State office.
 - *about the constant price estimates*—contact Mr Henry Foira on Canberra (062) 52 6706.
 - *about other statistics and ABS services*—contact Information Services on Canberra (062) 52 6627, 52 5402, 52 6007 or any ABS State office.
- MAIL INQUIRIES**
- write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any ABS State office.
- ELECTRONIC SERVICES**
- on VIATEL — key *656+.
 - on AUSSTATS — phone (062) 52 6017.
 - on TELESTATS — phone (062) 52 5404.

MAIN FEATURES

TOTAL VALUE OF RETAIL SALES OF GOODS (excluding motor vehicles, parts, petrol, etc.) AUSTRALIA



This publication includes trend estimates of retail sales, which have been derived by smoothing the series of seasonally adjusted estimates. Further details on the methodology adopted are given in paragraphs 16 and 21 of the Explanatory Notes at the end of this publication.

Estimates are subject to sampling and non-sampling variability as explained in paragraphs 8 to 13.

AUSTRALIAN ESTIMATES (see Charts 1 and 2)

The estimated value of Australian retail sales for May 1988 in original terms (excluding motor vehicles, parts, petrol etc.) is \$5,090.8 million, an increase of 3.0% on April.

After seasonal adjustment, this represents a fall of 0.8%, which follows upon a fall of 2.5% in April 1988. Users should be cautious in interpreting seasonally adjusted data because recent changes in both the time and duration of school holidays in a number of States may have affected the series. Minor irregularities in the seasonally adjusted series, however, are generally smoothed out in the process of producing trend estimates.

The trend estimate for May shows no growth in the month and trend estimates of growth have been revised downwards for the previous three months. Trend estimates now show a pattern of declining monthly growth rates since mid 1987. The average monthly growth rate for the six months ending May 1988 is 0.3%. This compares with an average monthly growth rate of 0.8% in the preceding six months.

TOTAL VALUE OF RETAIL SALES OF GOODS
(excluding motor vehicles, parts, petrol, etc.)

TREND ESTIMATES, MONTHLY CHANGES

CURRENT PRICES, SELECTED INDUSTRIES, AUSTRALIA
Percentage change from preceding month

CHART 3 : GROCERS, CONFECTIONERS, TOBACCONISTS

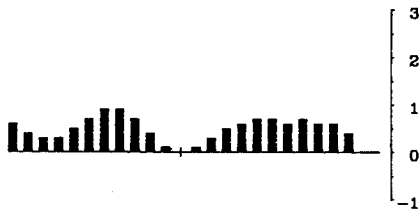


CHART 4 : OTHER FOOD STORES

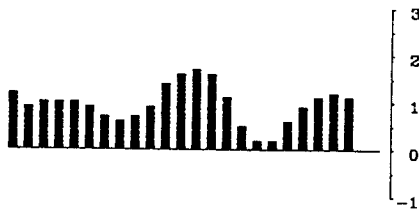


CHART 5 : HOTELS, LIQUOR STORES, LICENSED CLUBS

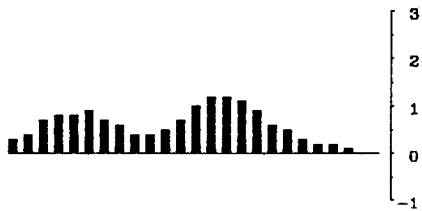


CHART 6 : CLOTHING AND FABRICS STORES

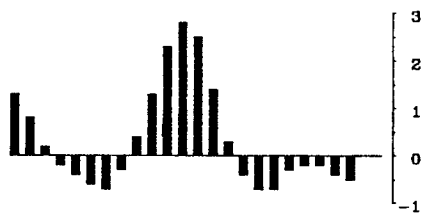


CHART 7 : DEPARTMENT STORES

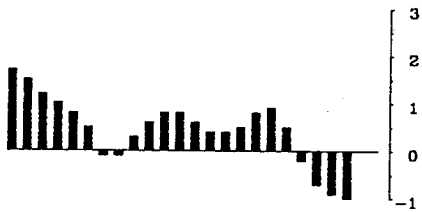
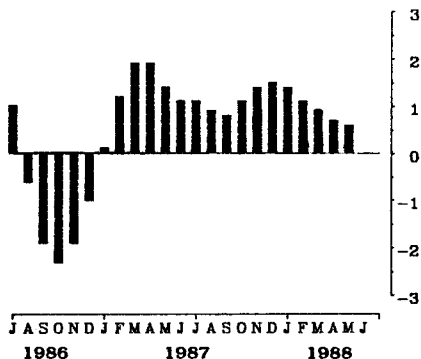


CHART 8 : ELECTRICAL GOODS STORES



INDUSTRY ESTIMATES (see Charts 3 to 8)

Trend estimates show a general pattern of slowing growth across retail industries, with some exceptions.

Three industries grew particularly strongly in May and have experienced average monthly growth rates in excess of one per cent over the past three months: Domestic hardware stores and jewellers (1.1%), Furniture stores (1.1%) and Other food stores (1.1%).

The largest industry, Grocers, confectioners and tobacconists (which accounts for a third of total sales), continues to show moderate monthly growth, averaging 0.5% for the past three months.

The trend estimate for Butchers (which accounts for approximately 3% of total retail sales) has declined by 4.1% over the twelve months ended May 1988.

STATE ESTIMATES (see Charts 9 to 14 on page 8)

Trend estimates show negligible or slowing growth over recent months for all States except Queensland.

The average monthly growth in Queensland in the past twelve months is 1.1% — around twice the national average. (Note that retail sales statistics for Queensland include onsite Expo sales of food, alcohol and souvenirs for May 1988.)

Trend estimates for South Australia have been revised downwards again to show negative growth each month from November 1987.

TABLE 1. TOTAL VALUE OF RETAIL SALES OF GOODS (EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.), MONTHLY ESTIMATES, AT CURRENT PRICES, AUSTRALIA (a)

Month	Original		Seasonally adjusted		Trend estimates(b)		
	\$m	% change from preceding month	\$m	% change from preceding month	\$m	% change from preceding month	% change from corresponding month of previous year
1987							
March	4,514.8	7.1	4,751.1	-0.2	4,767.9	0.5	7.6
April	4,651.2	3.0	4,855.0	2.2	4,799.5	0.7	7.5
May	4,787.7	2.9	4,740.5	-2.4	4,839.6	0.8	7.4
June	4,582.6	-4.3	4,860.8	2.5	4,885.6	1.0	7.4
July	4,912.0	7.2	5,028.5	3.5	4,933.6	1.0	7.4
August	4,675.6	-4.8	4,969.8	-1.2	4,977.7	0.9	7.6
September	4,832.5	3.4	5,008.8	0.8	5,010.6	0.7	7.8
October	5,123.3	6.0	5,025.1	0.3	5,035.0	0.5	7.9
November	5,088.1	-0.7	5,048.1	0.5	5,057.5	0.4	7.9
December	7,008.3	37.7	5,092.1	0.9	5,079.5	0.4	7.9
1988							
January	4,799.8	-31.5	5,075.6	-0.3	5,103.7	0.5	8.0
February	4,655.6	-3.0	5,095.3	0.4	5,122.6	0.4	8.0
March	5,131.8	10.2	5,247.5	3.0	5,133.6	0.2	7.7
April	4,944.6	-3.6	5,116.5	-2.5	5,138.0	0.1	7.1
May	5,090.8	3.0	5,076.2	-0.8	5,136.1	0.0	6.1
<i>Standard error (c) of Latest month</i>	30.8						
<i>Change from previous month</i>	11.2	0.2					

(a) Excluding Northern Territory. (b) Subject to revision - see paragraphs 17 and 18 of Explanatory Notes. (c) See paragraphs 8 to 13 of Explanatory Notes.

TABLE 2. TOTAL VALUE OF RETAIL SALES OF GOODS (EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.), QUARTERLY ESTIMATES, AT CONSTANT (AVERAGE 1979-80) PRICES, AUSTRALIA (a)

Quarter	Original			Seasonally adjusted		
	\$m	% change from preceding quarter	% change from corresponding quarter of previous year	\$m	% change from preceding quarter	% change from corresponding quarter of previous year
1987						
March	7,781.4	-17.7	-0.5	8,286.5	-1.2	-1.0
June	8,133.5	4.5	-0.9	8,362.9	0.9	-0.6
September	8,245.8	1.4	1.0	8,563.4	2.4	0.9
December	9,698.0	17.6	2.6	8,551.9	-0.1	1.9
1988						
March	8,066.0	-16.8	3.7	8,545.8	-0.1	3.1

(a) Excluding Northern Territory.

TABLE 3. TOTAL VALUE OF RETAIL SALES OF GOODS (EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.), MONTHLY ESTIMATES, BY INDUSTRY, AT CURRENT PRICES, AUSTRALIA (a)

Month	ORIGINAL \$ million										Total			
	Grocers, confectioners, tobacconists			Hotels, liquor stores, licensed clubs		Clothing and fabrics stores		Domestic hardware stores, jewellers		Floor coverings stores				
	Butchers	General stores	Other food stores	Hôtels, liquor stores, licensed clubs	Clothing and fabrics stores	Departmentment stores	Footwear stores	Domestic hardware stores, jewellers	Electrical goods stores	Furniture stores	Floor coverings stores	Chemists	Newsagents	Other
1987														
March	1,501.0	147.0	37.5	536.6	374.1	463.0	72.6	113.3	220.9	113.4	55.1	182.6	170.3	217.3
April	1,530.0	152.0	42.2	531.1	414.8	519.4	83.9	107.9	223.0	99.9	52.7	190.1	169.3	223.6
May	1,525.3	156.7	42.6	518.0	462.5	552.2	92.8	115.9	253.2	110.5	53.9	200.7	174.4	218.2
June	1,474.0	156.5	38.4	496.8	419.0	519.9	82.6	102.4	254.1	109.7	53.9	196.7	168.4	203.3
July	1,544.3	162.1	42.5	538.6	458.9	557.0	88.2	109.3	261.7	124.3	65.3	201.8	183.7	235.0
August	1,513.6	155.3	38.0	534.6	405.5	462.8	71.3	114.4	246.7	124.4	59.4	204.3	180.3	236.0
September	1,515.2	155.5	41.9	554.9	442.7	519.7	83.4	126.3	241.0	121.1	57.5	208.2	181.8	245.4
October	1,611.1	158.2	46.7	593.2	464.0	544.7	88.9	145.1	261.0	133.4	63.0	212.9	178.2	266.5
November	1,560.8	147.6	45.3	590.1	453.6	575.5	81.7	156.5	270.3	120.5	67.8	211.9	176.7	278.6
December	1,873.5	177.3	83.0	776.3	675.5	1,132.9	108.0	276.5	400.1	137.7	63.6	263.9	240.2	404.2
1988														
January	1,548.5	141.5	40.5	626.2	360.8	484.5	88.5	128.7	241.3	114.3	48.7	203.0	167.7	240.8
February	1,529.3	140.9	38.6	560.8	378.9	420.9	79.0	128.1	249.9	115.2	59.0	195.3	184.7	236.8
March	1,676.3	155.0	45.8	607.5	422.6	522.4	84.5	133.7	274.8	122.2	69.0	210.8	190.9	254.3
April	1,605.6	143.9	46.0	577.8	431.4	553.2	95.0	123.0	249.1	108.5	54.1	201.2	161.8	237.3
May	1,578.2	148.0	47.2	555.7	475.8	568.0	102.3	131.0	288.0	130.2	64.2	212.1	178.8	252.0
Standard error of Level(b)	13.4	6.3	1.6	11.9	8.4	0.0	3.7	4.8	8.2	5.1	4.3	8.5	6.1	10.6
Change(c)	3.6	1.7	0.4	4.5	2.8	0.0	1.3	2.0	2.4	2.2	2.0	2.0	2.4	6.2
	TREND ESTIMATES(d) \$ million													
1987														
March	1,534.7	154.6	41.8	546.4	411.1	541.3	81.5	126.1	242.5	113.7	53.9	196.9	174.5	231.4
April	1,541.0	156.2	41.5	548.5	416.6	544.8	81.7	127.0	247.1	112.6	55.1	199.4	178.3	234.7
May	1,543.2	157.6	41.5	551.2	426.3	549.3	82.1	128.8	250.6	113.5	56.3	201.7	182.3	238.4
June	1,543.4	158.5	41.9	553.3	438.1	553.5	82.8	131.8	253.4	116.2	57.3	203.8	185.4	241.9
July	1,544.3	158.4	42.6	560.9	448.9	556.8	83.4	135.0	256.1	119.2	58.1	205.8	187.2	245.7
August	1,549.1	157.3	43.7	567.9	455.2	559.1	83.9	137.7	258.5	121.6	58.5	207.4	187.4	249.7
September	1,556.3	155.4	45.0	574.8	456.7	561.1	84.4	139.2	260.6	122.6	58.5	208.4	185.7	253.5
October	1,565.2	153.3	46.2	580.9	454.8	563.7	85.2	139.7	263.4	122.2	58.6	208.9	183.3	256.8
November	1,575.4	151.6	47.1	586.0	451.4	568.0	86.7	139.5	267.1	121.0	59.1	209.3	180.6	258.8
December	1,585.7	150.6	47.6	589.7	448.3	572.9	88.5	139.5	271.2	120.1	60.1	209.6	178.6	259.6
1988														
January	1,596.0	150.4	47.7	592.8	446.8	576.0	90.3	140.1	275.1	120.2	61.4	210.3	177.9	260.0
February	1,606.7	150.5	47.5	594.8	446.0	574.8	91.4	141.6	278.1	121.2	62.5	211.6	178.5	260.3
March	1,617.1	150.7	47.1	596.2	444.9	570.9	91.8	143.5	280.6	122.4	63.2	213.1	179.5	260.8
April	1,626.3	150.9	46.6	597.2	443.2	566.0	91.6	145.4	282.5	123.6	63.5	214.6	180.8	261.8
May	1,633.6	151.1	46.3	597.6	440.9	560.5	91.0	147.2	284.2	125.2	63.6	215.7	182.1	262.7

See footnotes at end of table.

TABLE 3. TOTAL VALUE OF RETAIL SALES OF GOODS (EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.), MONTHLY ESTIMATES, BY INDUSTRY, AT CURRENT PRICES, AUSTRALIA (a) - continued

Month	TRENDS ESTIMATES(d) % change from preceding month															
	Grocers, confectioners, tobacconists	Butchers	General stores	Other food stores	Hotels, liquor stores, licensed clubs	Clothing and fabrics stores	Department men's stores	Footwear stores	Domestic hardware stores, jewellers	Electrical goods stores	Furniture stores	Floor coverings stores	Chemists	Newsagents	Other	Total
1987																
March	0.7	0.8	-0.7	0.7	0.4	0.4	0.3	0.0	0.1	1.9	-2.0	2.5	1.2	2.0	1.0	0.5
April	0.4	1.0	-0.7	0.9	0.4	1.3	0.6	0.2	0.7	1.9	-1.0	2.2	1.3	2.2	1.4	0.7
May	0.1	0.9	0.0	1.4	0.5	2.3	0.8	0.5	1.4	1.4	0.8	2.2	1.2	2.2	1.6	0.8
June	0.0	0.6	1.0	1.6	0.7	2.8	0.8	0.9	2.3	1.1	2.4	1.8	1.0	1.7	1.5	1.0
July	0.1	-0.1	1.7	1.7	1.0	2.5	0.6	0.7	2.4	1.1	2.6	1.4	1.0	1.0	1.6	1.0
August	0.3	-0.7	2.6	1.6	1.2	1.4	0.4	0.6	2.0	0.9	2.0	0.7	0.8	0.1	1.6	0.9
September	0.5	-1.2	3.0	1.1	1.2	0.3	0.4	0.6	1.1	0.8	0.8	0.0	0.5	-0.9	1.5	0.7
October	0.6	-1.4	2.7	0.5	1.1	-0.4	0.5	0.9	0.4	1.1	-0.3	0.2	0.2	-1.3	1.3	0.5
November	0.7	-1.1	1.9	0.2	0.9	-0.7	0.8	1.8	-0.1	1.4	-1.0	0.9	0.2	-1.5	0.8	0.4
December	0.7	-0.7	1.1	0.2	0.6	-0.7	0.9	2.1	0.0	1.5	-0.7	1.7	0.1	-1.1	0.3	0.4
1988																
January	0.6	-0.1	0.2	0.6	0.5	-0.3	0.5	2.0	0.4	1.4	0.1	2.2	0.3	-0.4	0.2	0.5
February	0.7	0.1	-0.4	0.9	0.3	-0.2	-0.2	1.2	1.1	1.1	0.8	1.8	0.6	0.3	0.1	0.4
March	0.6	0.1	-0.8	1.1	0.2	-0.2	-0.7	0.4	1.3	0.9	1.0	1.1	0.7	0.6	0.2	0.2
April	0.6	0.1	-1.1	1.2	0.2	-0.4	-0.9	-0.2	1.3	0.7	1.0	0.5	0.7	0.7	0.4	0.1
May	0.4	0.1	-0.6	1.1	0.1	-0.5	-1.0	-0.7	1.2	0.6	1.3	0.2	0.5	0.7	0.3	0.0
1987																
March	8.4	1.3	-0.5	12.9	5.7	3.5	10.1	10.7	8.3	2.4	-6.7	14.4	12.5	14.1	12.2	7.6
April	7.7	2.0	0.2	12.4	6.1	4.4	10.6	10.3	8.0	2.7	-8.5	15.0	12.8	15.6	11.2	7.5
May	6.8	2.2	1.0	12.2	6.7	5.6	10.3	8.7	8.5	1.7	-8.5	15.4	13.0	17.5	10.1	7.4
June	6.0	2.2	1.9	12.6	7.4	7.0	9.5	7.1	9.9	0.7	-7.0	16.2	12.9	19.0	8.7	7.4
July	5.4	1.9	2.7	13.2	8.2	8.2	8.3	5.6	11.8	0.8	-4.9	18.1	12.6	19.4	7.8	7.4
August	5.3	1.3	3.6	13.9	9.1	8.9	7.1	4.6	13.1	2.4	-2.7	19.9	12.1	18.5	7.7	7.6
September	5.6	0.6	5.1	14.1	9.7	9.0	6.2	4.3	13.2	5.3	-1.4	21.4	11.4	16.3	8.6	7.8
October	5.9	-0.2	7.2	13.5	10.0	8.8	5.6	4.9	12.4	8.9	-1.2	21.8	10.6	13.6	10.3	7.9
November	6.1	-0.9	9.0	12.6	10.1	8.4	5.6	6.4	11.2	12.6	-1.5	21.1	10.0	10.5	10.3	7.9
December	6.0	-1.2	11.0	11.8	9.8	8.3	6.0	8.3	10.7	15.4	-0.9	20.2	9.6	7.9	13.1	7.9
1988																
January	5.7	-1.5	12.2	11.7	9.6	8.7	6.6	10.5	11.1	17.0	1.2	19.7	9.1	5.8	13.7	8.0
February	5.4	-1.8	12.8	12.1	9.3	8.9	6.5	12.1	12.4	16.8	4.5	18.8	8.7	4.3	13.6	8.0
March	5.4	-2.5	12.7	12.5	9.1	8.2	5.5	12.6	13.8	15.7	7.7	17.3	8.2	2.9	12.7	7.7
April	5.5	-3.4	12.3	12.8	8.9	6.4	3.9	12.1	14.5	14.3	9.8	15.2	7.6	1.4	11.5	7.1
May	5.9	-4.1	11.6	12.5	8.4	3.4	2.0	10.8	14.3	13.4	10.3	13.0	6.9	-0.1	10.2	6.1

(a) Excluding Northern Territory. (b) The standard error of the estimate for the latest month - see paragraphs 8 to 13 of Explanatory Notes. (c) The standard error of the change of the latest month from the preceding month - see paragraphs 8 to 13 of Explanatory Notes. (d) Subject to revision - see paragraphs 17 and 18 of Explanatory Notes.

TABLE 4. TOTAL VALUE OF RETAIL SALES OF GOODS (EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.),
MONTHLY ESTIMATES, AT CURRENT PRICES, AUSTRALIA (a), STATES AND A.C.T.

Month	ORIGINAL \$million						Tasmania	Western Australia	South Australia	Queensland	Victoria	New South Wales	Australian Capital Territory	Australia(a)
	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania								
1987														
March	1,592.4	1,226.1	721.3	370.0	404.2	118.3						82.6	4,514.8	
April	1,645.5	1,244.0	732.9	390.0	427.5	127.3						84.1	4,651.2	
May	1,705.5	1,282.9	742.5	395.3	446.9	128.0						86.6	4,787.7	
June	1,643.8	1,213.1	719.6	378.2	419.8	124.8						83.4	4,582.6	
July	1,744.3	1,303.9	798.6	404.0	443.0	128.2						89.9	4,912.0	
August	1,670.5	1,235.4	756.9	385.9	422.1	121.1						83.6	4,675.6	
September	1,722.1	1,271.1	786.6	395.7	442.3	126.4						88.4	4,832.5	
October	1,814.9	1,357.7	840.1	414.0	472.2	135.0						89.5	5,123.3	
November	1,844.4	1,329.5	823.1	409.1	457.9	133.5						89.7	5,088.1	
December	2,509.0	1,875.9	1,112.8	552.4	644.7	192.9						120.6	7,008.3	
1988														
January	1,746.5	1,226.8	810.4	378.3	433.3	127.2						77.4	4,799.8	
February	1,690.0	1,222.2	756.8	365.1	411.6	128.4						81.6	4,655.6	
March	1,842.4	1,347.5	842.8	414.7	456.2	140.0						88.1	5,131.8	
April	1,767.5	1,309.7	805.8	386.7	456.7	131.9						86.4	4,944.6	
May	1,821.1	1,326.0	857.4	402.1	458.1	134.6						91.5	5,090.8	
Standard error of- Level(b) Change(c)	21.1 8.3	16.7 5.3	12.1 3.7	5.4 2.0	5.9 3.0	1.9 0.7						2.1 0.8	30.8 11.2	
1987														
March	1,696.5	1,266.2	766.4	390.5	436.5	126.4						85.1	4,767.9	
April	1,710.1	1,276.5	766.8	392.8	439.6	128.2						85.8	4,799.5	
May	1,726.1	1,291.7	768.5	396.1	442.3	129.6						86.5	4,839.6	
June	1,744.0	1,308.2	773.5	400.1	444.6	130.5						87.0	4,885.6	
July	1,760.4	1,323.2	781.9	404.1	447.5	130.9						87.6	4,933.6	
August	1,773.6	1,333.8	792.1	407.3	451.7	131.4						88.1	4,977.7	
September	1,783.8	1,337.4	802.1	408.7	456.1	132.1						88.4	5,010.6	
October	1,794.5	1,335.3	811.3	409.0	459.6	133.3						88.7	5,035.0	
November	1,808.3	1,330.7	819.3	408.7	461.8	134.9						89.0	5,057.5	
December	1,824.3	1,327.2	827.1	408.0	462.2	136.3						89.2	5,079.5	
1988														
January	1,840.0	1,327.4	835.9	407.6	461.6	137.4						89.5	5,103.7	
February	1,851.8	1,329.3	845.6	407.0	461.0	138.0						89.7	5,122.6	
March	1,858.8	1,330.8	855.5	405.7	461.2	138.2						89.7	5,133.6	
April	1,861.6	1,331.8	864.9	403.9	461.9	138.1						89.6	5,138.0	
May	1,861.3	1,331.6	874.0	401.4	463.1	137.7						89.4	5,136.1	

TREND ESTIMATES(d) \$ million

See footnotes at end of table.

TABLE 4. TOTAL VALUE OF RETAIL SALES OF GOODS (EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.),
MONTHLY ESTIMATES, AT CURRENT PRICES, AUSTRALIA (a), STATES AND A.C.T. - continued

Month	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Australian Capital Territory	Australia (a)
TREND ESTIMATES (d)								
% change from preceding month								
1987								
March	0.6	0.4	0.1	0.4	0.9	1.4	1.2	0.5
April	0.8	0.8	0.1	0.6	0.7	1.4	0.8	0.7
May	0.9	1.2	0.2	0.8	0.6	1.1	0.8	0.8
June	1.0	1.3	0.7	1.0	0.5	0.7	0.6	1.0
July	0.9	1.1	1.1	1.0	0.7	0.3	0.7	1.0
August	0.7	0.8	1.3	0.8	0.9	0.4	0.6	0.9
September	0.6	0.3	1.3	0.3	1.0	0.5	0.3	0.7
October	0.6	-0.2	1.1	0.1	0.8	0.9	0.3	0.5
November	0.8	-0.3	1.0	-0.1	0.5	1.2	0.3	0.4
December	0.9	-0.3	1.0	-0.2	0.1	1.0	0.2	0.4
1988								
January	0.9	0.0	1.1	-0.1	-0.1	0.8	0.3	0.5
February	0.6	0.1	1.2	-0.1	-0.1	0.4	0.2	0.4
March	0.4	0.1	1.2	-0.3	0.0	0.1	0.0	0.2
April	0.2	0.1	1.1	-0.4	0.2	-0.1	-0.1	0.1
May	0.0	0.0	1.1	-0.6	0.3	-0.3	-0.2	0.0
TREND ESTIMATES (d)								
% change from corresponding month of previous year								
1987								
March	8.7	8.0	5.8	2.8	8.9	8.1	8.7	7.6
April	8.8	7.4	5.3	3.1	9.4	9.4	8.6	7.5
May	8.5	7.0	5.0	3.6	9.9	9.9	7.9	7.4
June	8.1	7.0	5.3	4.5	10.2	9.6	6.7	7.4
July	7.7	7.1	6.1	5.5	10.5	8.7	6.2	7.4
August	7.6	7.3	7.2	6.3	10.9	8.1	6.1	7.6
September	7.7	7.1	8.1	6.6	10.9	8.0	6.9	7.8
October	7.9	6.8	8.6	6.6	10.5	8.8	7.9	7.9
November	8.4	6.2	8.8	6.3	9.8	10.2	8.5	7.9
December	9.0	5.7	8.9	5.7	8.8	11.3	8.5	7.9
1988								
January	9.6	5.6	9.4	5.2	7.6	11.5	7.8	8.0
February	9.8	5.4	10.4	4.7	6.5	10.8	6.7	8.0
March	9.6	5.1	11.6	3.9	5.7	5.4	5.4	7.7
April	8.9	4.3	12.8	2.8	5.1	7.7	4.4	7.1
May	7.8	3.1	13.7	1.3	4.7	6.3	3.4	6.1

(a) Excluding Northern Territory. (b) The standard error of the estimate for the latest month - see paragraphs 8 to 13 of Explanatory Notes. (c) The standard error of the change of the latest month from the preceding month - see paragraphs 8 to 13 of Explanatory Notes. (d) Subject to revision - see paragraphs 17 and 18 of Explanatory Notes.

TOTAL VALUE OF RETAIL SALES OF GOODS
(excluding motor vehicles, parts, petrol, etc.)
TREND ESTIMATES, MONTHLY CHANGES
CURRENT PRICES, STATES
Percentage change from preceding month

CHART 9 : NEW SOUTH WALES

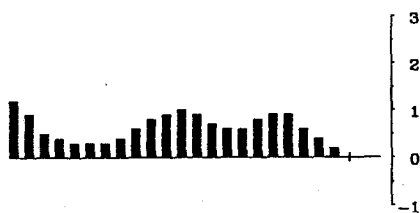


CHART 10 : VICTORIA

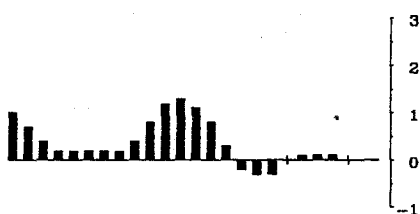


CHART 11 : QUEENSLAND

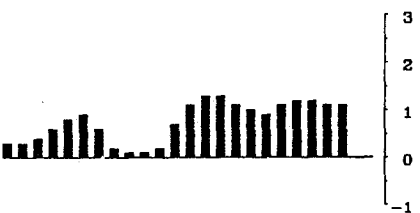


CHART 12 : SOUTH AUSTRALIA

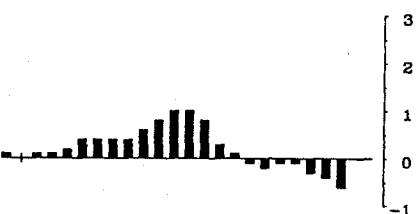


CHART 13 : WESTERN AUSTRALIA

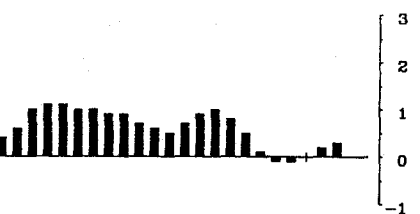
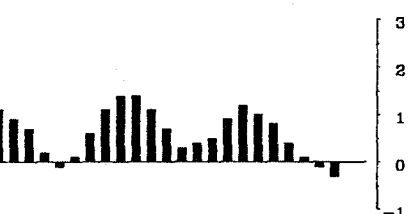


CHART 14 : TASMANIA



J A S O N D J F M A M J J A S O N D J F M A M J
1986 1987 1988

TABLE 5. TOTAL VALUE OF RETAIL SALES OF GOODS (EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.), MONTHLY ESTIMATES, BY INDUSTRY, STATES AND ACT (\$ million)

Month	NEW SOUTH WALES										Total					
	Grocers, confectioners, tobacconists	Butchers	General stores	Other food stores	Hotels, liquor stores, licensed clubs	Clothing and fabrics stores	Department stores	Footwear stores	Domestic hardware stores, jewellers	Electrical goods stores		Furniture stores	Floor coverings stores	Chemists	Newsagents	Other
1987																
March	457.1	64.6	8.9	114.8	197.5	128.6	195.1	26.3	41.5	68.2	41.6	15.5	76.1	71.4	85.3	1,592.4
April	465.1	67.3	9.2	115.1	201.0	149.5	206.7	30.9	40.7	71.6	36.0	20.3	79.0	69.6	83.5	1,645.5
May	469.5	69.5	9.6	114.3	193.0	173.5	219.8	34.2	44.5	80.6	38.9	18.7	83.4	71.7	84.1	1,705.5
June	452.9	69.2	8.9	113.7	185.5	153.1	218.0	30.2	36.7	84.5	37.8	18.8	82.5	69.2	82.8	1,643.8
July	469.7	73.3	10.4	125.1	200.7	159.9	231.3	31.5	40.6	79.6	44.4	22.9	84.4	80.1	90.5	1,744.3
August	473.2	71.4	9.3	122.9	199.5	142.1	193.4	24.2	41.4	74.0	45.1	19.8	83.8	77.3	93.2	1,670.5
September	469.5	70.9	9.9	126.7	204.0	160.0	211.5	30.0	46.6	75.6	43.3	18.2	87.0	76.0	93.0	1,722.1
October	488.5	72.5	13.7	127.3	226.0	167.9	215.8	32.1	58.2	83.4	47.2	21.7	86.8	75.4	98.4	1,814.9
November	488.0	66.3	13.6	127.6	223.3	164.1	245.9	29.6	63.8	86.5	47.0	23.2	88.8	73.7	102.8	1,844.4
December	576.3	80.9	21.4	138.7	290.8	241.7	453.6	37.9	107.3	136.0	52.6	23.5	107.1	93.7	147.6	2,509.0
1988																
January	488.3	67.8	11.7	136.2	238.7	139.7	186.3	30.9	53.4	77.8	43.8	18.7	88.3	67.8	97.1	1,746.5
February	476.1	65.7	12.0	123.5	210.0	136.6	180.5	27.0	49.7	80.9	45.2	22.4	82.7	83.3	94.5	1,690.0
March	516.4	70.5	14.0	133.3	227.5	154.5	211.8	28.6	51.7	91.2	48.5	26.2	85.7	84.7	97.9	1,842.4
April	499.4	64.7	13.4	127.5	219.7	159.5	219.1	31.5	45.1	84.3	41.6	17.6	86.1	69.1	89.0	1,767.5
May	495.6	65.7	14.5	128.9	209.4	171.6	228.5	32.4	49.9	97.6	50.5	19.7	88.9	76.0	91.8	1,821.1
Level (a)	7.5	4.9	1.3	7.4	8.8	5.2	0.0	2.2	2.8	5.7	4.1	2.6	6.2	4.7	8.3	21.1
Change (b)	2.4	1.1	0.3	1.8	3.4	1.8	0.0	0.5	1.2	1.7	1.9	1.1	1.3	2.0	5.2	8.3

Standard error of -

See footnotes at end of table.

TABLE 5. TOTAL VALUE OF RETAIL SALES OF GOODS (EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.), MONTHLY ESTIMATES, BY INDUSTRY, STATES AND ACT (\$ million) - continued

Month	Grocers, confectioners, tobacconists			Hotels, liquor stores, licensed clubs		Clothing and fabrics stores		Department stores		Domestic hard-ware stores, jewellers		Electrical goods stores		Furniture stores		Floor coverings stores		Chemists		News-agents		Other		Total
	Butchers	General stores	Other food stores	Hotels, liquor stores, licensed clubs	Clothing and fabrics stores	Department stores	Foot-wear stores	Domestic hard-ware stores, jewellers	Electrical goods stores	Furniture stores	Floor coverings stores	Chemists	News-agents	Other	Total									
SOUTH AUSTRALIA																								
1987																								
March	131.4	9.1	23.5	40.8	28.1	46.1	6.2	6.7	20.6	10.5	4.7	14.8	8.3	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	370.0
April	143.7	9.3	23.3	43.3	29.6	53.4	7.5	6.4	18.9	9.1	3.7	14.4	8.4	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	390.0
May	141.2	8.8	23.7	41.4	30.3	56.9	7.7	6.4	21.5	10.2	3.3	15.3	8.4	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	395.3
June	137.2	8.9	23.7	38.9	28.0	51.5	6.8	6.7	21.7	10.3	3.5	17.7	8.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	378.2
July	144.2	8.2	26.9	41.7	30.2	56.4	7.5	6.8	23.7	9.9	3.8	16.2	8.2	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	404.0
August	139.6	8.3	26.2	42.0	27.0	48.9	6.6	7.5	22.3	9.3	4.3	16.1	8.4	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	385.9
September	139.6	8.4	26.6	42.6	29.8	51.7	7.6	7.2	21.1	9.6	3.9	17.1	8.5	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	395.7
October	143.2	8.3	29.5	47.1	29.2	57.9	8.0	9.0	23.0	9.3	4.6	16.6	7.8	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	414.0
November	136.5	8.1	26.6	47.5	29.6	60.6	7.3	10.2	23.1	8.5	4.4	16.9	8.1	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	409.1
December	164.8	10.2	30.7	64.6	43.0	104.4	8.1	18.7	30.6	9.9	4.6	20.3	10.0	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	552.4
1988																								
January	131.7	6.7	26.5	50.5	22.1	50.1	6.8	7.7	19.6	6.8	3.4	16.3	6.8	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	378.3
February	128.7	7.0	22.9	43.9	24.6	41.6	6.6	8.7	22.4	7.7	4.6	15.3	8.3	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	365.1
March	148.2	7.8	25.7	48.5	29.2	51.9	8.4	8.9	24.8	8.4	4.9	15.9	9.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	414.7
April	137.6	6.9	25.3	43.7	28.7	52.4	9.0	8.3	20.1	7.0	4.4	15.5	7.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	386.7
May	137.8	7.2	25.2	42.0	31.4	55.6	9.8	9.3	24.2	9.3	4.8	16.1	8.1	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	402.1
Standard error of -																								
Level (a)	2.8	0.7	1.9	1.8	1.2	0.0	0.7	0.8	1.7	0.6	0.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.4
Change (b)	0.5	0.1	1.1	1.0	0.4	0.0	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
WESTERN AUSTRALIA																								
1987																								
March	145.0	5.0	27.5	59.8	31.2	36.5	5.5	6.6	20.2	7.9	5.6	13.3	15.1	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	404.2
April	157.0	6.0	26.7	52.7	35.6	43.7	7.2	7.3	21.4	8.2	4.8	14.4	16.2	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	427.5
May	157.5	6.0	26.5	51.4	41.8	47.1	7.2	7.8	26.3	10.1	6.2	15.4	17.6	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	446.9
June	152.4	5.8	26.2	50.2	36.8	38.1	7.9	6.7	24.6	10.1	6.2	14.4	16.4	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	419.8
July	153.0	6.2	28.3	53.2	40.8	44.0	7.5	7.0	26.2	11.7	7.2	14.6	16.2	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	443.0
August	150.6	6.0	26.3	51.7	35.1	35.4	6.2	7.5	25.4	10.9	7.6	15.1	16.9	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	422.1
September	155.9	6.1	26.7	57.3	36.6	43.1	8.5	8.1	22.9	9.6	5.9	15.4	16.7	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	442.3
October	162.1	5.8	32.9	59.8	39.5	45.0	7.8	9.4	27.0	11.1	5.2	15.9	17.3	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	472.2
November	154.5	5.1	33.0	59.6	38.8	44.9	7.5	9.0	24.7	10.5	5.8	15.8	15.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	457.9
December	192.8	6.1	37.2	77.9	61.7	92.6	9.1	19.4	35.7	11.6	5.4	19.9	23.3	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	644.7
1988																								
January	151.6	4.7	33.7	67.9	28.8	40.7	7.2	7.6	22.5	9.8	4.3	13.8	12.8	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	433.3
February	151.9	4.2	32.6	60.2	28.9	31.7	6.5	7.9	21.5	9.1	4.0	13.4	14.4	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	411.6
March	169.2	5.0	33.4	64.7	33.3	41.2	6.5	8.7	22.0	9.5	4.4	14.4	15.1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	456.2
April	163.5	4.4	33.5	62.0	35.4	47.2	8.5	9.3	22.2	9.5	4.2	14.1	13.3	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	456.7
May	155.2	4.6	33.0	54.7	40.7	49.1	9.3	8.1	26.1	11.5	5.2	14.8	16.0	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	458.1
Standard error of -																								
Level (a)	2.6	1.2	1.9	2.4	1.7	0.0	0.4	0.5	1.5	0.8	1.0	1.1	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	5.9
Change (b)	1.3	0.1	0.9	1.9	0.4	0.0	0.2	0.8	0.4	0.4	0.2	0.2	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.0

See footnotes at end of table.

EXPLANATORY NOTES

Introduction

This publication presents monthly estimates of the value of retail sales classified by *industry* (i.e. type of store) for Australia and each State. Quarterly estimates of total retail sales at constant (average 1979-80) prices are also included.

2. All the series shown in this publication, with estimates for earlier periods, are available on AUSSTATS — see concluding paragraph.

Scope and coverage

3. The estimates are derived from a survey which includes in its scope all retail trade establishments, i.e. establishments classified to subdivision 48 of the Australian Standard Industrial Classification (ASIC), 1983 Edition (Catalogue Nos. 1201.0 and 1202.0), *except* motor vehicle dealers, petrol retailers etc. (ASIC classes 4861-4868), bread and milk vendors (4878-4879), footwear 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. The scope of the survey includes establishments in all States and the Australian Capital Territory, but excludes those in the Northern Territory.

5. The survey is based on a random sample of establishments within the scope defined above. From the data reported by the sampled establishments, aggregates comprising all retail sales in Australia (excluding Northern Territory) are estimated.

6. The retail sales reported are principally sales of new or used goods to final consumers for personal or household consumption. Excluded are sales of tools of trade, building materials and supplies, agricultural supplies and equipment, and business equipment. Sales of motor vehicles, parts, petrol, boats, caravans, etc. are out of scope of the estimates of retail sales in this publication. Also excluded are takings from meals consumed on the premises, accommodation, hairdressing, beauty treatments, and repairs. However, the estimates of retail sales in this publication include sales of take-away food, and beer, wine and spirits served with meals.

Industry statistics

7. Details of the value of retail sales are available for 15 industries. The ASIC class(es) which make up each industry are as follows:

<i>Industry</i>	<i>ASIC Class(es)</i>
Grocers, confectioners, tobacconists	4881
Butchers	4882
General stores	4815
Other food stores	4883, 4885, 4886
Hotels, liquor stores, licensed clubs	9232, 4884, 9241, 9242, 9243
Clothing and fabrics stores	4843, 4844, 4847
Department stores	4814
Footwear stores	4845
Domestic hardware stores, jewellers	4853, 4854
Electrical goods stores	4855, 4856
Furniture stores	4849
Floor coverings stores	4848
Chemists	4891
Newsagents	4894
Other	4892, 4893, 4895, 4896, 4897, 9231, 9351, 9352

Reliability of estimates

8. Since the estimates are based on information obtained from a sample survey of retail establishments, the estimates of levels and changes are subject to sampling variability; that is, they may differ from the figures that would have been produced if all units had been included in the survey. One measure of the likely difference is given by the standard error, which indicates the extent to which an estimate might have varied by chance because only a sample of units was included. 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 units had been included, and about nineteen chances in twenty that the difference will be less than two standard errors.

9. Standard errors of estimates for the latest month and of estimates of change since the preceding month are shown in the tables. Examples of the use of these standard errors are given below:

- The estimate of \$5,090.8 million for the total value of retail sales in May 1988 has a standard error of about \$30.8 million. Therefore, there are two chances in three that the figure which would have been obtained if all establishments had been included in the survey would be within the range \$5,060.0 million to \$5,121.6 million, and nineteen chances in twenty that the figure would be within \$5,029.2 million to \$5,152.4 million.
- The estimated change of +\$146.2 million (+3.0 per cent) in the total value of retail sales between April 1988 and May 1988 has a standard error of about \$11.2 million (0.2 per cent). Therefore, there are two chances in three that the change which would have been obtained if all establishments had been included in the survey would be within the range +\$135.0 million to +\$157.4 million (+2.8 per cent to +3.2 per cent) and nineteen chances in twenty that the change would be within +\$123.8 million to +\$168.6 million (+2.6 per cent to +3.4 per cent).

10. Standard errors of estimates of change between non consecutive months are not shown in this publication. 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.

11. Users of the statistics in this publication should note that the standard errors are relatively large for estimates for some industries in some States.

12. Seasonally adjusted, trend and constant price estimates are also subject to sampling variability. For seasonally adjusted estimates, the standard errors in percentage terms approximate those 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.

13. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting

by respondents and errors made in collection and processing of data. Inaccuracies of this kind are referred to as the non-sampling error and they may occur in any collection, whether it be a full count or only a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of forms, editing of data and efficient operating procedures.

Seasonally adjusted and trend estimates

14. 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.

15. In the seasonal adjustment of the retail sales estimates, account has been taken of both normal seasonal factors and 'trading-day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays etc. in the month). For total retail sales 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. Details of the methods used in seasonally adjusting these series are available on request.

16. 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 of retail sales have been derived by applying a 13-term Henderson weighted moving average to the seasonally adjusted series.

17. 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. There will also be revisions as a result of revisions to the original estimates and periodic reviews of seasonal and trading day factors.

18. This publication includes monthly estimates of trend of retail sales for Australia, classified by industry, and for each State (total all industries). Seasonally adjusted estimates for industries and States are not included. These series, which commenced in April 1982, are not long enough to provide sufficient information to allow reliable seasonal adjustment at present, since the seasonally adjusted estimates are subject to a relatively high degree of revision as data for later months become available and are taken into account in the re-estimation of seasonal and trading day factors. However the estimates of trend included in this publication are not expected to be subject to the same degree of revision.

19. The seasonal adjustment of each industry series and each State series has been done independently and so, for any one month, the estimates of trend for industries and States may not add to the estimates of trend of total retail sales for Australia.

20. Seasonally adjusted and trend estimates of retail sales by industries in each State are not included because the series are not yet long enough to allow reliable adjustment.

21. Users may wish to refer to the ABS Information Papers *A Guide to Smoothing Time Series — Estimates of 'Trend'* (1316.0) and *Time Series Decomposition — An Overview* (1317.0) for more detailed information on smoothing of seasonally adjusted time series data.

22. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

r revised

n.p. not available for publication, but included in totals

23. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

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