

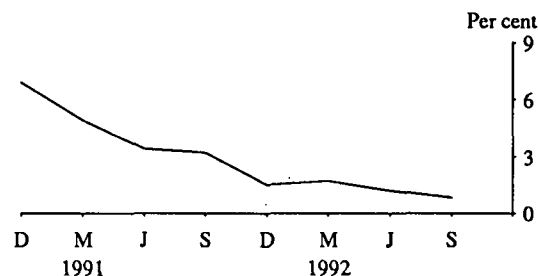
## CONSUMER PRICE INDEX, SEPTEMBER QUARTER 1992

*NOTE: Beginning with this issue the CPI will be compiled on the basis of an updated weighting pattern. See Appendix B.*

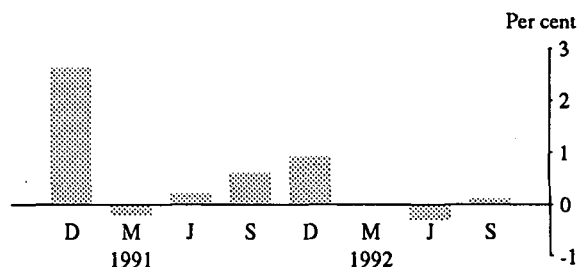
### MAIN FEATURES

Weighted average of eight capital cities	Change between—	
	Jun qtr 1992 and Sep qtr 1992	Sep qtr 1991 and Sep qtr 1992
	%	%
Food	-0.4	1.0
Clothing	-0.2	0.6
Housing	-1.7	-6.2
Household equipment and operation	-0.6	0.4
Transportation	1.8	3.1
Tobacco and alcohol	3.2	5.8
Health and personal care	-0.2	4.6
Recreation and education	0.5	1.3
<b>All groups</b>	<b>0.1</b>	<b>0.8</b>
All groups excluding housing	0.5	2.0
All groups excluding transportation	-0.2	0.3

ALL GROUPS - ANNUAL MOVEMENT



ALL GROUPS - QUARTERLY MOVEMENT



Contributing most to the overall increase this quarter were cigarette and tobacco prices (up 9.0% - mainly due to increases in State government fees and Commonwealth excise), petrol prices (up 4.3%), motor vehicle prices (up 1.1%), and electricity charges (up 2.1%).

Largely offsetting the above were falls in mortgage interest charges (down 4.2% - mainly due to falls in interest rates), fresh vegetable prices (down 19.4%), consumer credit charges (down 3.4%), furniture prices (down 1.9%), and the cost of pharmaceuticals (down 4.9% - mainly due to the PBS safety net scheme).

### SUMMARY OF FINDINGS

#### Overview

The All groups CPI increased 0.1 per cent between the June and September quarters 1992, resulting in an annual increase (September quarter 1992 on September quarter 1991) of 0.8 per cent - the lowest annual movement since December quarter 1963 (+0.5%).

#### INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, contact Information Services on Canberra (06) 252 6627 or any ABS State office.
- for more detailed information about these statistics, contact Bohdan Stankewytsch on Canberra (06) 252 6251 or any ABS State office.
- for information about other ABS statistics and services please refer to the back page of this publication.

### Main contributions to change

The three groups having the most influence on the quarterly change in the All groups index were Transportation, Housing, and Tobacco and Alcohol.

#### Transportation: +1.9%

The Transportation group is the largest contributor to the change in the all groups index, largely due to increases in petrol prices (+4.3%), motor vehicle prices (+1.1%), urban transport fares (+2.2%), and the cost of vehicle insurance (+0.7%).

The 4.3 per cent increase in petrol prices this quarter results from increases in May (+2.3%), June (+2.5%), July (+1.8%) and August (+0.4%), and a small decrease in September (-0.5%).

Motor vehicle prices increased in all cities, ranging from 1.4 per cent in Sydney to 0.3 per cent in Perth. The 1.2 per cent overall increase this quarter follows a 1.4 per cent decrease in June quarter, delivering an annual increase (September quarter 1992 on September quarter 1991) of 2.4 per cent.

Urban transport fares increased in Canberra (+5.9%), Sydney (+3.3%), Brisbane (+2.9%), Perth (+1.9%), and Adelaide (+0.4%).

#### Housing: -1.7%

The decrease in housing costs results from a fall in mortgage interest charges (-4.2%), reflecting a slight increase in the debt outstanding (+1.5%) combined with a decrease in interest rates (-5.6%). This is the ninth consecutive quarter in which mortgage interest charges have fallen.

#### Tobacco and Alcohol: +3.3%

Cigarette and tobacco prices increased 9.0 per cent nationally as a result of a combination of increases in franchise fees in some cities (Sydney, Adelaide, Darwin, and Canberra), plus an increase in the Commonwealth excise on tobacco products.

#### Household Equipment and Operation: -0.6%

Falls in consumer credit charges (-3.4%) and furniture prices (-1.9%) were partly offset by increases in electricity charges (+2.1%) and stationery prices (+5.5%).

The 3.4 per cent fall in consumer credit charges this quarter reflects a slight increase in the value of the debt outstanding (+0.1%) combined with a fall in interest rates (-3.5%).

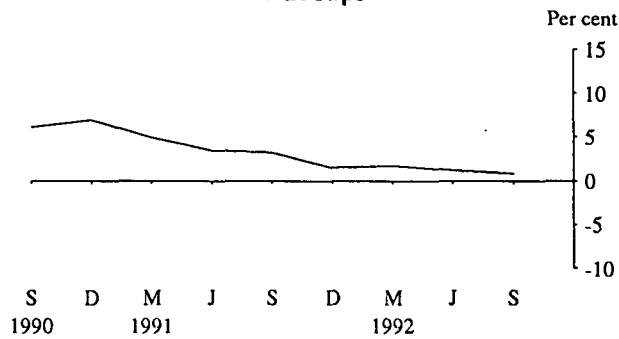
### CONSUMER PRICE INDEX- ALL GROUPS PERCENTAGE CHANGES

	<i>Change between—</i>	
	<i>Jun qtr 1992 and Sep qtr 1992</i>	<i>Sep qtr 1991 and Sep qtr 1992</i>
	%	%
Sydney	0.4	0.8
Melbourne	-0.3	0.3
Brisbane	-0.1	0.8
Adelaide	0.6	1.9
Perth	-0.1	-0.2
Hobart	0.6	0.8
Darwin	0.5	1.9
Canberra	0.6	1.5
Weighted average of eight capital cities	0.1	0.8

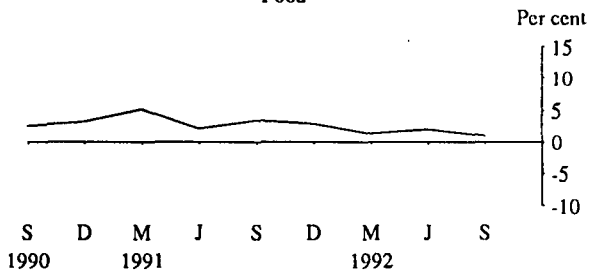
**IAN CASTLES**  
Australian Statistician

**WEIGHTED AVERAGE OF EIGHT CAPITAL CITIES  
PERCENTAGE CHANGE ON CORRESPONDING QUARTER OF PREVIOUS YEAR**

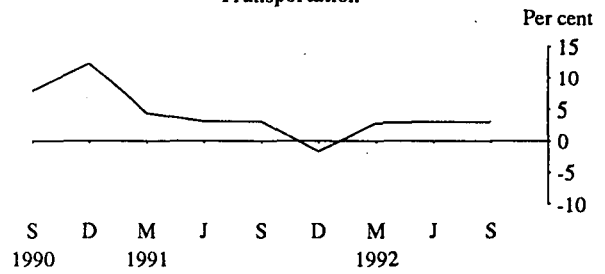
**All Groups**



**Food**



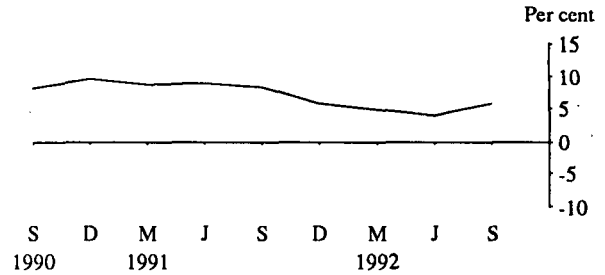
**Transportation**



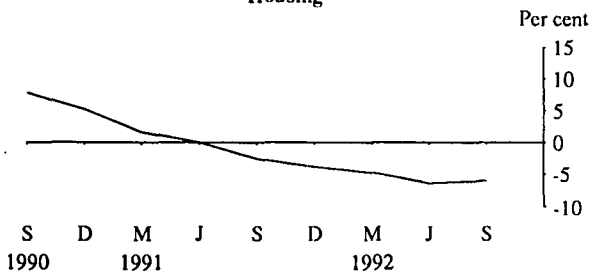
**Clothing**



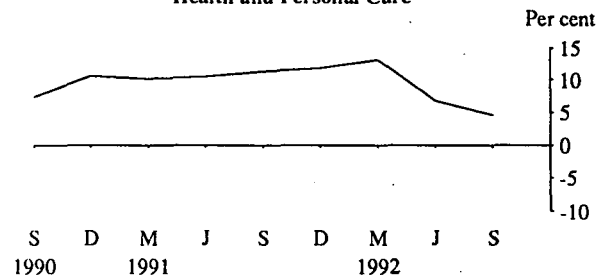
**Tobacco and Alcohol**



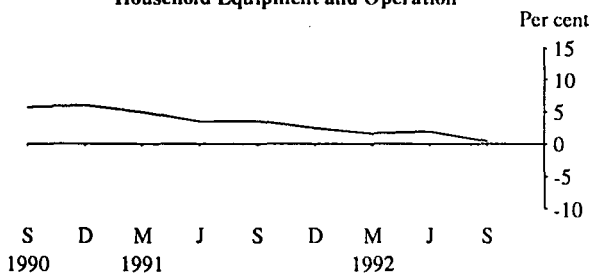
**Housing**



**Health and Personal Care**



**Household Equipment and Operation**



**Recreation and Education**

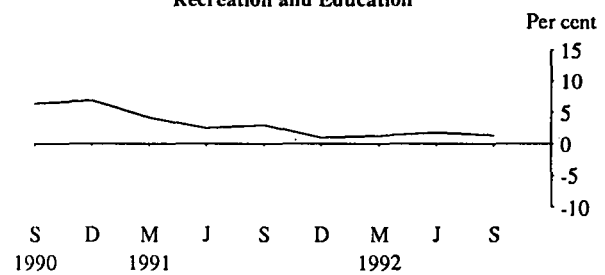


TABLE 1. CONSUMER PRICE INDEX: ALL GROUPS INDEX NUMBERS  
(Base of each index: Year 1989-90 = 100.0)

Period	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	Weighted average of eight capital cities
1988-89	92.5	92.3	93.0	93.3	92.3	93.4	94.2	93.1	92.6
1989-90	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1990-91	104.9	105.8	104.9	106.2	105.1	104.9	105.7	105.1	105.3
1991-92	106.7	108.1	107.0	108.9	105.9	107.1	108.0	107.8	107.3
1988-89—									
September	90.1	89.9	90.6	90.8	89.9	91.1	92.4	90.8	90.2
December	92.4	91.5	92.2	92.3	91.8	92.5	93.3	92.4	92.0
March	92.5	92.7	93.5	94.2	92.7	94.2	94.7	93.5	92.9
June	94.8	95.2	95.8	96.0	94.7	96.0	96.3	95.7	95.2
1989-90—									
September	97.4	97.3	97.6	97.7	96.9	97.6	97.6	97.2	97.4
December	99.2	99.2	99.3	99.2	98.9	99.4	99.4	99.3	99.2
March	100.9	100.7	100.8	100.6	101.2	101.0	100.6	101.2	100.9
June	102.5	102.7	102.2	102.5	102.9	101.9	102.4	102.3	102.5
1990-91—									
September	103.1	103.5	102.8	103.8	103.7	103.0	103.5	103.1	103.3
December	105.5	106.6	105.4	106.9	106.2	105.5	106.4	106.0	106.0
March	105.7	106.1	105.7	106.7	105.2	105.2	106.1	105.5	105.8
June	105.4	106.8	105.7	107.3	105.1	105.8	106.6	105.6	106.0
1991-92—									
September	106.0	107.6	106.1	108.0	105.7	106.7	106.9	107.0	106.6
December	107.1	108.4	107.3	108.8	106.1	107.4	108.2	107.9	107.6
March	107.0	108.3	107.5	109.5	106.1	107.4	108.3	108.2	107.6
June	106.5	108.2	107.0	109.4	105.6	107.0	108.4	107.9	107.3
1992-93—									
September	106.9	107.9	106.9	110.1	105.5	107.6	108.9	108.6	107.4

TABLE 2. CONSUMER PRICE INDEX: ALL GROUPS PERCENTAGE CHANGES

Period	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	Weighted average of eight capital cities
Change from previous year									
1989-90	8.1	8.3	7.5	7.2	8.3	7.1	6.2	7.4	8.0
1990-91	4.9	5.8	4.9	6.2	5.1	4.9	5.7	5.1	5.3
1991-92	1.7	2.2	2.0	2.5	0.8	2.1	2.2	2.6	1.9
Change from corresponding quarter of previous year									
1990-91—									
September	5.9	6.4	5.3	6.2	7.0	5.5	6.0	6.1	6.1
December	6.4	7.5	6.1	7.8	7.4	6.1	7.0	6.7	6.9
March	4.8	5.4	4.9	6.1	4.0	4.2	5.5	4.2	4.9
June	2.8	4.0	3.4	4.7	2.1	3.8	4.1	3.2	3.4
1991-92—									
September	2.8	4.0	3.2	4.0	1.9	3.6	3.3	3.8	3.2
December	1.5	1.7	1.8	1.8	-0.1	1.8	1.7	1.8	1.5
March	1.2	2.1	1.7	2.6	0.9	2.1	2.1	2.6	1.7
June	1.0	1.3	1.2	2.0	0.5	1.1	1.7	2.2	1.2
1992-93—									
September	0.8	0.3	0.8	1.9	-0.2	0.8	1.9	1.5	0.8
Change from previous quarter									
1990-91—									
September	0.6	0.8	0.6	1.3	0.8	1.1	1.1	0.8	0.8
December	2.3	3.0	2.5	3.0	2.4	2.4	2.8	2.8	2.6
March	0.2	-0.5	0.3	-0.2	-0.9	-0.3	-0.3	-0.5	-0.2
June	-0.3	0.7	0.0	0.6	-0.1	0.6	0.5	0.1	0.2
1991-92—									
September	0.6	0.7	0.4	0.7	0.6	0.9	0.3	1.3	0.6
December	1.0	0.7	1.1	0.7	0.4	0.7	1.2	0.8	0.9
March	-0.1	-0.1	0.2	0.6	0.0	0.0	0.1	0.3	0.0
June	-0.5	-0.1	-0.5	-0.1	-0.5	-0.4	0.1	-0.3	-0.3
1992-93—									
September	0.4	-0.3	-0.1	0.6	-0.1	0.6	0.5	0.6	0.1

TABLE 3. CONSUMER PRICE INDEX : CHANGE BETWEEN JUNE QUARTER 1992 AND SEPTEMBER QUARTER 1992  
MAIN CONTRIBUTIONS TO CHANGE IN TERMS OF ALL GROUPS INDEX POINTS

Item	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	Weighted average of eight capital cities
<b>FOOD</b>	-0.16	-0.10	-0.09	0.07	0.03	0.03	-0.09	0.00	-0.08
Cheese	0.02	0.03	0.00	0.00	0.01	0.02	0.01	0.02	0.02
Bread	0.02	-0.01	0.01	0.04	0.01	0.01	0.00	0.02	0.01
Beef and veal	-0.01	-0.01	0.00	-0.01	0.01	0.00	0.00	-0.01	-0.01
Poultry	-0.02	0.01	-0.01	-0.01	0.00	-0.02	-0.01	-0.01	-0.01
Processed meat	-0.02	-0.02	0.00	0.01	-0.02	-0.01	0.00	-0.01	-0.02
Fish	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01
Fresh fruit	-0.02	0.02	0.02	-0.01	-0.09	-0.03	-0.08	-0.04	-0.01
Fresh potatoes	-0.01	0.00	-0.01	0.01	-0.01	0.01	0.00	0.00	0.00
Fresh vegetables	-0.18	-0.12	-0.16	-0.08	0.05	-0.06	-0.16	-0.16	-0.13
Fruit juice	-0.01	-0.02	0.01	-0.01	0.01	0.00	0.02	0.00	-0.01
Soft drinks and cordials	0.00	0.01	-0.01	0.03	0.05	0.00	0.15	-0.01	0.02
Confectionery	0.02	0.00	0.01	0.03	0.01	0.03	-0.02	0.00	0.01
Meals out	0.05	0.01	-0.01	0.02	0.00	0.02	0.00	0.03	0.01
Take away foods	0.02	0.04	0.04	0.01	-0.01	0.02	0.01	0.04	0.02
<b>CLOTHING</b>	0.03	-0.05	-0.05	-0.01	-0.02	-0.03	0.01	-0.03	-0.01
Fabrics and knitting wool	0.02	0.01	0.01	0.00	0.00	-0.02	0.00	0.00	0.01
Children's footwear	0.00	-0.05	-0.06	0.00	-0.01	-0.02	0.00	-0.01	-0.02
<b>HOUSING</b>	-0.25	-0.38	-0.17	-0.33	-0.23	-0.19	-0.19	-0.24	-0.28
Privately-owned dwelling rents	0.01	0.00	0.01	0.00	-0.01	0.02	-0.01	0.07	0.00
Government-owned dwelling rents	0.00	0.00	0.00	0.02	0.00	0.01	0.01	0.00	0.00
Mortgage interest charges	-0.28	-0.38	-0.20	-0.35	-0.23	-0.24	-0.22	-0.31	-0.30
<b>HOUSEHOLD EQUIPMENT AND OPERATION</b>	-0.07	-0.20	-0.18	0.00	-0.06	0.08	-0.02	-0.02	-0.12
Electricity	0.05	0.04	0.00	0.05	0.00	0.09	0.00	0.11	0.04
Furniture	-0.09	-0.12	-0.04	-0.07	0.06	0.06	0.02	-0.13	-0.07
Appliances	0.01	-0.05	0.00	0.01	0.00	0.01	0.00	0.02	-0.01
Kitchen and cooking utensils	-0.01	-0.01	0.00	-0.01	-0.04	0.00	0.00	0.00	-0.01
Stationery	0.07	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.03
Travel goods	0.00	-0.04	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01
Telephone services	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00
Consumer credit charges	-0.11	-0.08	-0.10	-0.09	-0.08	-0.08	-0.12	-0.09	-0.10
<b>TRANSPORTATION</b>	0.35	0.31	0.32	0.43	0.18	0.31	0.37	0.37	0.32
Motor vehicles	0.06	0.04	0.04	0.07	0.00	0.03	0.04	0.05	0.05
Automotive fuel	0.20	0.25	0.21	0.23	0.16	0.27	0.17	0.22	0.22
Vehicle insurance	0.01	0.03	0.00	0.05	0.00	0.01	0.13	0.04	0.01
Motoring charges	0.02	0.00	0.02	0.03	0.00	0.00	0.00	0.03	0.02
Vehicle servicing etc.	0.00	-0.02	0.01	0.07	-0.01	0.00	0.00	-0.02	0.00
Urban transport fares	0.06	0.00	0.04	0.00	0.01	0.00	0.00	0.05	0.03
<b>TOBACCO AND ALCOHOL</b>	0.47	0.04	0.06	0.51	0.05	0.14	0.23	0.45	0.25
Beer	0.04	0.01	0.02	0.00	0.04	0.08	0.05	0.00	0.02
Spirits	-0.02	0.00	-0.02	0.02	-0.02	-0.01	0.01	0.00	-0.01
Cigarettes and tobacco	0.45	0.03	0.06	0.47	0.04	0.05	0.15	0.42	0.23
<b>HEALTH AND PERSONAL CARE</b>	-0.02	-0.01	-0.04	-0.01	-0.02	0.14	0.05	0.03	-0.02
Hospital and medical services	0.03	0.02	0.00	0.02	-0.04	0.19	0.08	0.06	0.02
Pharmaceuticals	-0.04	-0.05	-0.05	-0.04	-0.03	-0.06	-0.03	-0.04	-0.04
Hairdressing services	-0.03	-0.01	0.01	-0.02	0.02	0.01	0.00	0.00	-0.01
<b>RECREATION AND EDUCATION</b>	0.06	0.04	0.06	0.00	0.00	0.12	0.14	0.11	0.05
Books newspapers and magazines	0.02	0.00	0.01	0.04	0.01	0.02	0.01	0.02	0.01
Sports and photo equip and toys	0.01	0.04	0.00	-0.04	0.01	0.01	0.01	0.02	0.01
Holiday travel and accommodation in Australia	0.04	0.03	0.02	0.02	0.02	0.07	0.16	0.03	0.04
O'seas holiday travel and accommodation	-0.03	-0.03	0.00	-0.02	-0.04	-0.02	-0.03	-0.01	-0.02
Entertainment	0.05	-0.01	0.01	0.02	-0.01	0.00	0.02	0.03	0.02
<b>Total change</b>	0.4	-0.3	-0.1	0.7	-0.1	0.6	0.5	0.7	0.1
<b>Contribution of selected State and local government charges (a) to total change</b>	0.09	0.05	0.06	0.08	0.02	0.10	0.13	0.19	0.07

(a) Composition of this category is described in footnote (c) Table 8, page 11.

TABLE 4. CHANGE BETWEEN JUNE QUARTER 1992 AND SEPTEMBER QUARTER 1992 (a)  
PERCENTAGE CONTRIBUTION TO CHANGE IN WEIGHTED AVERAGE EIGHT CAPITAL CITIES ALL GROUP INDEX

Note: As a result of the relatively small denominator underlying the values in this table this quarter, contributions to change are not published as they are not meaningful.

## ANALYTICAL SERIES (a)

TABLE 5. DEBT PROFILE METHOD — WEIGHTED AVERAGE OF EIGHT CAPITAL CITIES: PERCENTAGE CHANGES

<i>Period</i>	<i>Food</i>	<i>Clothing</i>	<i>Housing</i>	<i>Household equipment and operation</i>	<i>Trans- portation</i>	<i>Tobacco and alcohol</i>	<i>Health and personal care</i>	<i>Recreation and education</i>	<i>All Groups</i>
Change from previous year									
1989-90	7.1	5.2	16.8	5.5	8.0	8.2	7.2	6.2	8.2
1990-91	3.3	4.6	3.5	5.0	6.8	8.8	9.6	5.0	5.3
1991-92	2.4	1.7	-4.4	2.3	1.8	5.7	10.7	1.8	1.9
Change from corresponding quarter of previous year									
<i>1990-91—</i>									
September	2.5	4.9	7.8	5.7	7.7	8.1	7.4	6.4	6.1
December	3.2	4.5	5.1	6.0	12.3	9.6	10.5	6.9	6.9
March	5.2	4.9	1.6	5.0	4.4	8.7	10.1	4.2	4.9
June	2.1	4.3	0.0	3.5	3.2	8.9	10.4	2.5	3.4
<i>1991-92—</i>									
September	3.4	3.2	-2.6	3.6	3.2	8.3	11.2	3.0	3.2
December	2.9	2.0	-3.9	2.4	-1.8	5.8	11.7	0.9	1.5
March	1.3	1.3	-4.8	1.6	2.9	4.8	13.0	1.2	1.7
June	2.0	0.4	-6.6	1.9	3.1	3.9	6.8	1.8	1.2
<i>1992-93—</i>									
September	1.0	0.6	-6.2	0.4	3.1	5.8	4.6	1.3	0.8
Change from previous quarter									
<i>1990-91—</i>									
September	-0.7	0.7	0.6	0.9	2.0	1.9	1.2	0.5	0.8
December	1.0	1.7	0.9	1.8	6.7	3.3	3.6	3.1	2.6
March	2.1	0.5	-1.4	0.5	-4.6	1.4	3.5	-0.4	-0.2
June	-0.4	1.4	0.0	0.3	-0.6	2.0	1.7	-0.7	0.2
<i>1991-92—</i>									
September	0.7	-0.4	-2.0	0.9	1.9	1.3	1.9	1.0	0.6
December	0.5	0.5	-0.5	0.7	1.6	1.0	4.1	1.0	0.9
March	0.6	-0.2	-2.3	-0.3	0.0	0.4	4.7	-0.1	0.0
June	0.3	0.5	-1.9	0.6	-0.4	1.1	-3.9	-0.1	-0.3
<i>1992-93—</i>									
September	-0.4	-0.2	-1.7	-0.6	1.8	3.2	-0.2	0.5	0.1

(a) This table is intended to assist in the analysis of price change (as distinct from movements in the CPI) and is therefore based on indexes calculated using the debt profile method of measuring mortgage interest charges from March quarter 1987.

TABLE 6. CONSUMER PRICE INDEX — GROUP INDEXES

Period	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	Weighted average of eight capital cities
FOOD (Base of each Index: Year 1989-90 = 100.0)									
1990-91—									
September	101.2	101.6	100.7	102.0	103.2	101.5	101.8	101.4	101.5
December	102.5	101.7	101.9	103.8	104.3	102.6	103.6	102.3	102.5
March	105.6	103.0	105.9	104.6	105.4	104.5	106.5	104.5	104.7
June	104.1	103.7	104.9	104.9	105.2	104.4	106.8	104.5	104.3
1991-92—									
September	105.3	104.0	104.5	104.9	107.0	104.8	104.8	105.6	105.0
December	106.1	104.6	105.4	105.9	105.9	105.8	106.1	106.4	105.5
March	106.6	104.9	106.3	106.4	107.4	106.7	106.7	107.2	106.1
June	106.4	106.0	106.2	106.9	107.6	107.2	107.5	107.0	106.4
1992-93—									
September	105.6	105.5	105.7	107.3	107.7	107.3	107.1	107.0	106.0
CLOTHING (Base of each Index: Year 1989-90 = 100.0)									
1990-91—									
September	102.8	103.0	102.4	102.1	101.9	102.4	103.4	103.3	102.7
December	104.4	104.2	105.7	103.5	104.6	104.6	104.6	104.9	104.4
March	104.9	104.7	106.2	103.8	105.2	104.9	105.6	105.1	104.9
June	106.5	106.5	106.9	104.8	105.9	106.3	106.1	106.6	106.4
1991-92—									
September	105.9	106.3	106.3	105.1	106.2	105.8	105.9	106.2	106.0
December	106.3	107.0	105.9	104.9	107.5	105.8	104.8	107.0	106.5
March	106.1	106.4	105.7	105.2	107.5	105.5	105.3	107.1	106.3
June	106.1	107.5	106.2	106.1	108.5	105.7	105.9	106.6	106.8
1992-93—									
September	106.6	106.8	105.6	106.0	108.0	105.3	106.1	106.1	106.6
HOUSING (Base of each Index: Year 1989-90 = 100.0)									
1990-91—									
September	103.5	103.9	103.2	103.5	104.2	102.6	102.0	102.4	103.6
December	103.7	105.1	105.1	105.3	104.7	103.5	105.9	105.2	104.5
March	102.3	103.8	104.1	103.8	102.1	102.4	105.4	103.9	103.0
June	102.5	103.9	104.0	103.7	100.6	102.6	105.8	103.7	103.0
1991-92—									
September	100.5	101.5	102.7	102.3	97.4	100.9	106.4	101.7	100.9
December	100.1	100.6	103.2	102.3	95.9	100.6	107.3	103.2	100.4
March	98.1	97.8	101.6	99.8	93.0	97.7	106.3	101.4	98.1
June	96.8	95.5	100.3	97.3	89.7	96.2	103.9	99.9	96.2
1992-93—									
September	95.5	93.3	99.3	95.4	88.1	95.0	102.9	98.7	94.6
HOUSEHOLD EQUIPMENT AND OPERATION (Base of each Index: Year 1989-90 = 100.0)									
1990-91—									
September	101.5	104.8	103.4	103.8	104.0	104.2	103.9	104.2	103.3
December	104.6	105.6	105.0	105.5	105.3	106.0	104.9	105.6	105.2
March	105.5	106.0	106.0	105.6	105.6	106.2	105.6	105.7	105.7
June	105.4	106.3	106.4	106.8	106.1	107.0	106.5	106.5	106.0
1991-92—									
September	106.1	108.0	106.4	107.1	107.5	108.3	106.8	107.2	107.0
December	107.3	108.3	107.1	107.6	107.6	109.4	106.6	107.3	107.7
March	106.8	107.9	106.9	107.3	107.6	109.1	106.1	107.2	107.4
June	107.6	108.9	107.3	108.1	107.4	109.7	106.2	108.0	108.0
1992-93—									
September	107.1	107.8	106.4	108.1	107.1	110.1	106.1	107.9	107.4

TABLE 6. CONSUMER PRICE INDEX — GROUP INDEXES — *continued*

<i>Period</i>	<i>Sydney</i>	<i>Melbourne</i>	<i>Brisbane</i>	<i>Adelaide</i>	<i>Perth</i>	<i>Hobart</i>	<i>Darwin</i>	<i>Canberra</i>	<i>Weighted average of eight capital cities</i>
TRANSPORTATION (Base of each Index: Year 1989-90 = 100.0)									
<i>1990-91—</i>									
September	105.4	103.8	103.0	104.3	103.6	102.3	104.0	104.6	104.3
December	111.4	112.2	109.4	111.2	111.4	108.9	109.9	111.4	111.3
March	107.0	106.4	105.2	106.5	104.7	105.2	105.7	106.4	106.2
June	105.6	106.2	105.0	105.9	105.4	105.1	105.5	105.0	105.6
<i>1991-92—</i>									
September	106.0	108.6	108.0	109.2	107.8	107.1	107.1	109.9	107.6
December	108.3	110.3	109.2	110.5	109.3	106.8	108.3	110.8	109.3
March	108.2	110.1	109.2	110.9	109.5	107.1	108.4	111.0	109.3
June	107.0	110.1	108.6	111.2	109.9	106.5	108.0	111.3	108.9
<i>1992-93—</i>									
September	109.2	112.0	110.6	113.7	111.2	108.7	110.9	113.8	110.9
TOBACCO AND ALCOHOL (Base of each Index: Year 1989-90 = 100.0)									
<i>1990-91—</i>									
September	104.4	105.0	104.8	105.6	105.9	103.9	104.9	104.5	104.9
December	106.6	111.5	106.6	111.8	106.5	106.5	108.2	106.7	108.4
March	108.5	112.8	107.2	113.7	107.5	107.0	109.7	107.4	109.9
June	110.3	115.7	109.0	116.8	109.7	108.6	111.8	109.0	112.1
<i>1991-92—</i>									
September	113.8	116.1	109.5	117.3	109.3	110.0	111.4	111.2	113.6
December	115.4	117.1	109.7	118.1	110.2	112.1	111.7	112.6	114.7
March	116.1	116.9	110.6	119.2	110.8	111.6	112.9	114.3	115.2
June	118.3	117.2	112.3	119.6	111.9	112.2	117.3	113.4	116.5
<i>1992-93—</i>									
September	125.7	118.0	113.1	126.5	112.6	114.0	119.6	120.0	120.2
HEALTH AND PERSONAL CARE (Base of each Index: Year 1989-90 = 100.0)									
<i>1990-91—</i>									
September	103.8	104.3	103.6	107.4	105.3	106.2	106.9	102.2	104.4
December	107.5	109.4	105.3	111.0	107.5	109.4	108.7	106.7	108.2
March	109.9	114.7	109.2	116.0	110.4	112.7	111.1	109.9	112.0
June	110.6	118.1	109.7	119.0	110.9	117.7	113.5	111.7	113.9
<i>1991-92—</i>									
September	112.9	120.6	110.9	121.2	112.6	120.7	114.8	114.9	116.1
December	118.4	125.2	117.2	124.2	117.2	122.0	122.6	118.5	120.9
March	123.0	131.7	122.1	134.1	122.1	125.2	128.7	122.5	126.6
June	116.2	127.5	117.7	131.6	116.9	122.9	120.9	118.3	121.6
<i>1992-93—</i>									
September	115.9	127.2	116.8	131.5	116.5	125.1	121.8	119.0	121.4
RECREATION AND EDUCATION (Base of each Index: Year 1989-90 = 100.0)									
<i>1990-91—</i>									
September	102.9	103.2	102.7	103.3	102.0	103.3	103.6	102.6	103.0
December	105.5	107.4	105.1	105.1	106.5	105.1	106.0	105.6	106.2
March	106.0	106.4	105.0	105.8	105.2	103.7	102.3	104.9	105.8
June	104.5	106.4	104.7	105.0	103.5	102.4	100.9	104.4	105.1
<i>1991-92—</i>									
September	105.5	107.9	105.0	106.2	103.3	104.3	102.9	105.7	106.1
December	106.4	108.8	107.0	106.8	105.9	106.6	105.7	106.0	107.2
March	106.2	108.7	106.1	108.8	104.6	107.4	103.8	106.5	107.1
June	106.0	108.9	105.2	108.9	105.3	106.0	105.2	107.0	107.0
<i>1992-93—</i>									
September	106.6	109.2	105.7	108.9	105.3	107.0	106.4	107.8	107.5



TABLE 7. CONSUMER PRICE INDEX — GROUPS, SUB-GROUPS AND SELECTED EXPENDITURE CLASSES: WEIGHTED AVERAGE OF EIGHT CAPITAL CITIES

Group, Sub-group and Expenditure class	Index numbers (Base of each index: Year 1989-90=100.0)			Percentage Change between		Contribution to total CPI (expressed as All Groups index points)			Change between Jun qtr 1992 and Sep qtr 1992	
	Sep qtr 1991	Jun qtr 1992	Sep qtr 1992	Jun qtr 1992 and Sep qtr 1992	Sep qtr 1992 and Sep qtr 1992	Jun qtr 1992	Sep qtr 1992	Jun qtr 1992	Sep qtr 1992	Jun qtr 1992 and Sep qtr 1992
FOOD	105.0	106.4	106.0	-0.4	1.0	19.66	19.58			-0.08
Dairy products	108.7	110.3	111.7	1.3	2.8	1.58	1.60			0.02
Cereal products	108.6	112.3	112.8	0.4	3.9	2.24	2.25			0.01
Meat and seafoods	101.2	100.3	99.1	-1.2	-2.1	3.21	3.18			-0.03
Beef and veal	103.8	103.4	102.1	-1.3	-1.6			0.79	0.78	-0.01
Lamb and mutton	101.0	97.2	97.1	-0.1	-3.9			0.39	0.39	0.00
Pork	102.8	100.5	98.6	-1.9	-4.1			0.19	0.18	-0.01
Poultry	92.4	89.5	88.1	-1.6	-4.7			0.43	0.42	-0.01
Bacon and ham	99.5	102.4	104.1	1.7	4.6			0.33	0.34	0.01
Processed meat	106.5	106.5	104.1	-2.3	-2.3			0.74	0.72	-0.02
Fish	95.6	94.7	93.3	-1.5	-2.4			0.35	0.34	-0.01
Fresh fruit and vegetables	86.5	82.8	75.0	-9.4	-13.3	1.52	1.38			-0.14
Processed fruit and vegetables	103.8	107.8	106.9	-0.8	3.0	0.89	0.88			-0.01
Soft drinks - ice cream and confectionery	110.1	114.4	115.4	0.9	4.8	3.10	3.13			0.03
Meals out and take away foods	109.6	112.3	113.2	0.8	3.3	5.31	5.35			0.04
Other foods	105.8	107.0	107.5	0.5	1.6	1.80	1.81			0.01
CLOTHING	106.0	106.8	106.6	-0.2	0.6	6.71	6.70			-0.01
Men's and boy's clothing	106.1	107.3	107.4	0.1	1.2	1.81	1.81			0.00
Women's and girls' clothing	105.7	106.6	106.5	-0.1	0.8	2.73	2.72			-0.01
Fabrics and knitting wool	106.0	104.8	105.9	1.1	-0.1	0.80	0.81			0.01
Footwear	105.7	106.2	103.7	-2.4	-1.9	1.14	1.11			-0.03
Dry cleaning and shoe repairs	112.4	112.8	114.4	1.4	1.8	0.24	0.24			0.00
HOUSING	100.9	96.2	94.6	-1.7	-6.2	17.06	16.78			-0.28
Rents	106.4	106.9	107.1	0.2	0.7	5.22	5.23	4.81	4.81	0.00
Privately-owned dwelling rents	106.1	106.5	106.7	0.2	0.6			0.41	0.41	0.00
Government-owned dwelling rents	109.3	110.2	110.7	0.5	1.3					
Home ownership	98.6	91.6	89.4	-2.4	-9.3	11.84	11.55			-0.29
Mortgage interest charges	92.1	80.5	77.1	-4.2	-16.3			7.09	6.79	-0.30
Local government rates and charges	111.5	116.2	116.2	0.0	4.2			2.35	2.35	0.00
House repairs and maintenance	109.5	110.6	111.2	0.5	1.6			1.96	1.97	0.01
House insurance	121.4	122.6	122.6	0.0	1.0			0.44	0.44	0.00
HOUSEHOLD EQUIPMENT AND OPERATION	107.0	108.0	107.4	-0.6	0.4	19.72	19.60			-0.12
Fuel and light	110.0	110.6	112.4	1.6	2.2	2.51	2.55			0.04
Furniture and floor coverings	106.0	110.0	108.1	-1.7	2.0	4.66	4.59			-0.07
Appliances	104.1	104.3	103.7	-0.6	-0.4	1.65	1.64			-0.01
Household textiles	107.0	105.9	106.0	0.1	-0.9	0.81	0.81			0.00
Household utensils and tools	104.4	105.8	104.3	-1.4	-0.1	1.31	1.29			-0.02
Household supplies and services	107.1	109.6	110.7	1.0	3.4	4.27	4.31			0.04
Postal and telephone services	106.9	107.0	106.8	-0.2	-0.1	1.84	1.84			0.00
Consumer credit charges	108.9	104.8	101.2	-3.4	-7.1	2.68	2.58			-0.10

TABLE 7. CONSUMER PRICE INDEX — GROUPS, SUB-GROUPS AND SELECTED EXPENDITURE CLASSES: WEIGHTED AVERAGE OF EIGHT CAPITAL CITIES — continued

Group, Sub-group and Expenditure class	Index numbers (Base of each index: Year 1989-90=100.0)			Percentage Change between		Contribution to total CPI (expressed as All Groups index points)			Change between Jun qtr 1992 and Sep qtr 1992
	Sep 1991	Jun 1992	Sep 1992	Jun qtr 1992 and Sep qtr 1992	Sep qtr 1992 and Sep qtr 1992	Jun qtr 1992	Sep qtr 1992		
TRANSPORTATION	107.6	108.9	110.9	1.8	3.1	17.13	17.45	0.32	
Private motoring	106.9	108.1	110.1	1.9	3.0	15.83	16.12	0.29	
Motor vehicles	103.3	104.6	105.8	1.1	2.4				0.05
Automotive fuel	111.9	110.6	115.3	4.3	3.0		4.28	4.33	0.05
Vehicle insurance	101.4	107.8	108.6	0.7	7.1		5.04	5.26	0.22
Motoring charges	112.1	116.8	118.3	1.3	5.5		2.26	2.27	0.01
Tyres and tubes	102.5	101.8	101.0	-0.8	-1.5		0.90	0.92	0.02
Vehicle service repairs and parts	109.7	109.8	109.9	0.1	0.2		0.37	0.37	0.00
Urban transport fares	119.5	122.6	125.3	2.2	4.9	1.30	2.98	2.98	0.00
TOBACCO AND ALCOHOL	113.6	116.5	120.2	3.2	5.8	8.02	8.27	0.25	
Alcoholic drinks	110.3	112.7	113.1	0.4	2.5	5.43	5.45	0.02	
Beer	110.8	113.4	114.2	0.7	3.1		3.14	3.16	0.02
Wine	103.2	104.7	105.3	0.6	2.0		1.09	1.10	0.01
Spirits	116.1	118.1	117.3	-0.7	1.0		1.20	1.19	-0.01
Cigarettes and tobacco	121.7	126.1	137.5	9.0	13.0	2.59	2.82	0.23	
HEALTH AND PERSONAL CARE	116.1	121.6	121.4	-0.2	4.6	7.35	7.33	-0.02	
Health services	121.0	127.7	128.6	0.7	6.3	4.25	4.28	0.03	
Personal care products	109.6	114.1	112.3	-1.6	2.5	2.25	2.21	-0.04	
Hairdressing services	108.8	111.6	110.3	-1.2	1.4	0.85	0.84	-0.01	
RECREATION AND EDUCATION	106.1	107.0	107.5	0.5	1.3	11.64	11.69	0.05	
Books newspapers and magazines	114.1	116.8	118.3	1.3	3.7	1.23	1.24	0.01	
Recreational goods	101.2	101.2	101.4	0.2	0.2	2.75	2.75	0.00	
Holiday travel and accommodation	99.8	95.8	96.1	0.3	-3.7	2.53	2.53	0.00	
Recreational services	112.6	116.1	116.7	0.5	3.6	3.07	3.08	0.01	
Education and child care	110.2	118.5	118.7	0.2	7.7	2.08	2.08	0.00	
ALL GROUPS	106.6	107.3	107.4	0.1	0.8	107.3	107.4	0.1	

TABLE 8. CONSUMER PRICE INDEX — SPECIAL SERIES: WEIGHTED AVERAGE OF EIGHT CAPITAL CITIES

	Index numbers (Base of each index: Year 1989.90=100.0)			Percentage Change between		Contribution to total CPI (expressed as All Groups index points)		Change between Jun qtr 1992 and Sep qtr 1992
	Sep qtr 1991	Jun qtr 1992	Sep qtr 1992	Jun qtr 1992 and Sep qtr 1992	Sep qtr 1992	Jun qtr 1992	Sep qtr 1992	
ALL GROUPS	106.6	107.3	107.4	0.1	0.8	107.3	107.4	0.1
All groups - excluding food								
All groups - excluding clothing	107.0	107.5	107.8	0.3	0.7	87.63	87.83	0.20
All groups - excluding housing	106.7	107.3	107.5	0.2	0.8	100.58	100.71	0.13
All groups - excluding household equipment and operation	107.7	109.3	109.8	0.5	2.0	90.23	90.63	0.40
All groups - excluding transportation	106.6	107.2	107.4	0.2	0.8	87.57	87.81	0.24
All groups - excluding tobacco and alcohol	106.5	107.0	106.8	-0.2	0.3	90.16	89.96	-0.20
All groups - excluding health and personal care	106.1	106.5	106.4	-0.1	0.3	99.27	99.14	-0.13
All groups - excluding recreation and education	106.1	106.4	106.6	0.2	0.5	99.94	100.08	0.14
	106.7	107.4	107.5	0.1	0.8	95.65	95.72	0.07
All groups - excluding home ownership								
Mortgage interest and consumer credit charges	107.7	109.3	109.8	0.5	2.0	95.45	95.86	0.41
All groups - excluding mortgage interest and consumer credit charges	96.2	86.6	83.1	-4.0	-13.6	9.81	9.42	-0.39
All groups - excluding hospital and medical services	107.8	109.6	110.1	0.5	2.1	97.48	97.99	0.51
All groups - goods component (a)	106.3	106.7	106.8	0.1	0.5	103.91	104.02	0.11
All groups - services component (b)	107.0	108.4	109.0	0.6	1.9	65.44	65.80	0.36
Selected State and local government charges (c)	106.2	105.6	104.9	-0.7	-1.2	41.85	41.61	-0.24
All groups - excluding selected State and local government charges (c)	110.7	113.4	114.6	1.1	3.5	6.90	6.97	0.07
	106.4	106.9	107.0	0.1	0.6	100.39	100.44	0.05

(a) The special series 'All groups, goods component' comprises the Food group (except meals out); Clothing group (except dry cleaning and shoe repairs); Household equipment and operation group (except veterinary services, house contents insurance, repairs to appliances, postal and telephone services and consumer credit charges); Tobacco and alcohol group; materials used in house repairs and maintenance; motor vehicles; automotive fuel; tyres and tubes; parts used in vehicle service and repairs; personal care products; books, newspapers and magazines; and recreational goods. (b) The 'All groups, services component' comprises all items not included in the 'All groups, goods component'. (c) Selected State and local government charges comprise: government-owned dwelling rents; water and sewerage rates; council property rates and charges; electricity prices; gas prices (Melbourne and Perth only); motor vehicles third party insurance premiums (except Canberra and in part only in Sydney and Brisbane); motor vehicle registration fees; drivers' licence fees; urban bus fares (government bus fares only in Sydney and Melbourne, council fares only in Brisbane); urban rail and tram fares (not applicable in Hobart, Canberra and Darwin). The derivations and limitations of these figures was described in the Appendix to the December quarter 1982 issue of this publication.

## EXPLANATORY NOTES

**Brief description of the CPI**

1. The CPI measures quarterly changes in the price of a *basket* of goods and services which account for a high proportion of expenditure by the CPI population group (ie metropolitan wage and salary earner households). This *basket* covers a wide range of goods and services, arranged in the following eight groups: food; clothing; housing; household equipment and operation; transportation; tobacco and alcohol; health and personal care; and recreation and education. Pensioners and other social welfare recipients are not included in the CPI population group and the index does not reflect concessional prices paid by these people such as subsidised government dwelling rents, public transport fares and the like.

2. The capital city indexes measure price movements over time in each city individually. They do not measure differences in retail price levels between cities.

3. Further information about the CPI is contained in a booklet entitled *A Guide to the Consumer Price Index* (6440.0) which is available from the ABS on request. A more detailed account is contained in *The Australian Consumer Price Index, Concepts, Sources and Methods* (6461.0).

**Prices**

4. Prices of goods and services included in the CPI are generally collected quarterly. However, some important items are priced monthly or more frequently (e.g. bread, fresh meat and fish, fresh fruit and vegetables, petrol, alcohol and tobacco) and a small number annually (e.g. seasonal clothing, local government rates and charges).

5. In order to facilitate a more even spread of field collection workload the bulk of the items for which prices are collected quarterly are priced in the first two months of each quarter (ie July/August, October/November, January/February, April/May). With a few exceptions items priced in the third month are those subject to price changes at discrete points of time (e.g. electricity and postal charges, milk); in these cases information about any changes in price during the quarter is obtained so that an average price for the whole quarter can be calculated.

**Weighting pattern**

6. There are 107 expenditure classes (that is, groupings of like items) in the eleventh series CPI and each expenditure class has its own weight, or measure of relative importance. In calculating the index, price changes for the various expenditure classes are combined using these weights.

7. Changes in the weighting pattern have been made at approximately five-yearly intervals to take account of changes in household spending patterns. The CPI now comprises twelve series of price indexes which have been linked to form a continuous series.

**Analysis of CPI changes**

8. Movements in indexes from one period to another can be expressed either as changes in *index points* or as percentage changes. The following example illustrates the method of calculating index points changes and percentage changes between any two periods:

All Groups CPI: Weighted average of eight capital cities

Index numbers:

Jun quarter 1992: 107.3 (see Table 1)

less: Mar quarter 1992: 107.6 (see Table 1)

Change in index points: -0.3

$$\text{Percentage change} = \frac{-0.3}{107.6} \times 100 = -0.3\%$$

9. In this publication, percentage changes are calculated to illustrate 3 different kinds of movements in index numbers:

- movements between consecutive financial years (where the index numbers for financial years are simple averages of the quarterly index numbers),
- movements between corresponding quarters of consecutive years, and
- movements between consecutive quarters.

10. Table 7 provides a detailed analysis, for the weighted average of eight capital cities, of movements in the CPI since the previous quarter, including information on movements for subgroups and for selected expenditure classes. It also shows the contribution which each group and subgroup makes to the total CPI. For instance, the dairy products subgroup contributed 1.58 index points to the total All Groups index number of 107.3 for June quarter 1992. The final column shows contributions to the change in All Groups index points by each group and subgroup.

11. Table 8 provides summary information about a range of Special series in a similar format to that provided in Table 7.

12. Information on the impact of changes in Selected State and local government charges on the CPI is included in Tables 3 and 8. Table 3 shows the contribution made by changes in these charges to the CPI for each capital city, while Table 8 shows index numbers for two special series *Selected State and local government charges* and *All Groups excluding selected State and local government charges*. An explanation of the derivation and limitations of these figures was published in the Appendix to the December quarter 1982 issue of this publication.

#### Related publications

13. Users may also wish to refer to the following publications which are available on request:

*The Australian Consumer Price Index: Concepts Sources and Methods* (6461.0)

*A Guide to the Consumer Price Index* (6440.0)

*Information Paper: The Australian Consumer Price Index: Treatment of Mortgage Interest Charges* (6442.0)

*House Price Indexes: Eight Capital Cities* (6416.0)

*Average Retail Prices of Selected Items Eight Capital Cities* (6403.0)

*Information Paper: The Australian Consumer Price Index: 12th Series Review* (6450.0)

#### Next issue

14. The Consumer Price Index - December quarter 1992 (6401.0) is scheduled to be released on Thursday 28 January 1993.

15. 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.a.	not available
r	revised
n.y.a.	not yet available

NOTE. Any discrepancies between totals and sums of components in this publication are due to rounding. For similar reasons quarterly movements shown by subgroup or group index numbers in Table 7 do not necessarily correspond exactly with those shown by the relevant index points.

## APPENDIX

## THE 12TH SERIES CONSUMER PRICE INDEX

1. The latest in a series of periodic reviews of the Consumer Price Index (CPI) has just been completed and its results are incorporated in the 12th CPI series which is introduced in this issue.

**Background**

2. The CPI was first compiled in 1960 with index numbers being compiled retrospectively to mid 1948. Prior to this, the ABS compiled a number of retail price indexes with data extending back to 1901.

3. With the introduction of the CPI, the ABS adopted a new approach to the construction of retail price indexes. Instead of the former emphasis on long-term fixed-weight indexes, the aim was to compile a series of shorter-term indexes which would be chain linked together to form a continuous long-term series.

4. This strategy recognises that in order to retain the confidence of the broad range of users of the index, the ABS needs to put a special effort into ensuring that the items included in the index continue to be representative of the expenditure patterns of households in aggregate. The CPI has now been reviewed and reweighted 11 times.

5. The objectives of the 12th series review were outlined in the Appendix to the December quarter 1991 issue of this publication and the results are detailed in an Information Paper *The Australian Consumer Price Index, 12th Series Review* (ABS Catalogue 6450.0) released on 29 September 1992.

**New weighting pattern**

6. The 12th series CPI differs from its predecessor (the 11th series) in only one respect - item (or expenditure class) weights. The 11th series CPI item weights were based on estimated household expenditure of the CPI target group in 1984. For the 12th series, the weighting pattern of the index has been revised to reflect the estimated household expenditure of the CPI target group

in 1988-89. The composition and weighting of the CPI 12th series at commodity group level compared with that of the 11th series (at June quarter 1992 prices) is shown in the table below.

7. As with previous series, the CPI weighting pattern for the 12th series was determined at the expenditure class level. It is at this level that the underlying quantity weights are fixed for each index series. Within expenditure classes, the actual items priced and the relative weights used to combine these prices are reviewed frequently and may be changed between index reweighting.

**Linking**

8. During periods between index series, the expenditure class level weighting pattern of the CPI remains unchanged. When a new series is introduced the weighting pattern is updated and the new CPI series is linked to its predecessors to form one continuous series. This linking process involves measuring price movements on one weighting pattern up to and including the link quarter. The new weighting pattern is used to measure price movements from the link quarter onwards. This procedure ensures that the **resulting continuous series reflects only price variations** and not differences in cost of the old and new 'basket' of items. The introduction of new weights is therefore done in such a way as to neither raise nor lower the level of the index.

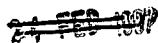
9. The 12th series CPI has been linked to the 11th series CPI at June quarter 1992 (ie the link quarter). This means that the 11th series weighting pattern was used to measure price movements from the time that it was linked to the earlier 10th series (in December quarter 1986) up to and including the June quarter 1992. The 12th series weighting pattern will be used to measure price movements from the June quarter 1992 onwards.

**WEIGHTING PATTERN OF THE CONSUMER PRICE INDEX**

Weighted average of the eight capital cities  
Percentage contribution in June quarter 1992

<i>Commodity Group</i>	<i>CPI 11th series</i>	<i>CPI 12th series</i>
Food	18.586	18.324
Clothing	6.664	6.264
Housing	14.083	15.900
Household equipment and operation	17.738	18.370
Transportation	16.794	15.967
Tobacco and alcohol	8.901	7.475
Health and personal care	6.581	6.850
Recreation and education	10.653	10.850
<b>Total All Groups</b>	<b>100.000</b>	<b>100.000</b>





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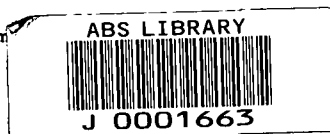
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Information Services, ABS, PO Box 10, Belconnen ACT 2616  
or any ABS State office.

Printed in Australia by P.J. GRILLS, Commonwealth Government  
© Commonwealth of Australia 1992



**Recommended retail price: \$11.50**



**2064010009925**

ISSN 1031-0207

