



AUSTRALIAN  
INSTITUTE OF HEALTH

CATALOGUE NO. 6401.0  
EMBARGOED UNTIL 11.30 AM 7 November 1990

## CONSUMER PRICE INDEX - SEPTEMBER QUARTER 1990

### PHONE INQUIRIES

- about these statistics, copies of publications and other ABS services - contact Information Services on Canberra (06) 252 5402, 252 6007, 252 6627 or any ABS State office.

- for more detailed information about these statistics - contact Ms Maree Roy on Canberra (06) 252 6251 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 DISCOVERY - key \*656#.

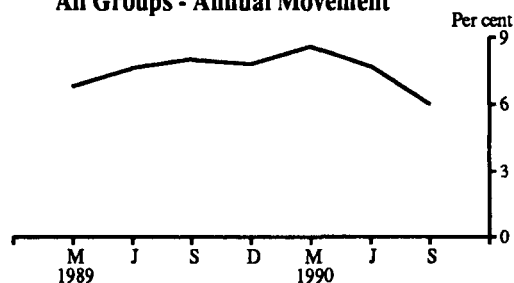
- on AUSSTATS - phone (06) 252 6017.

- on TELESTATS - phone (06) 252 5404 Foreign Trade statistics inquiries, (06) 252 5405 Main Economic Indicator inquiries.

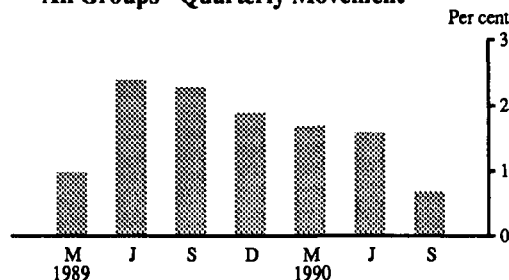
### MAIN FEATURES

| Weighted average of eight capital cities | Change between                    |                                   |
|--|-----------------------------------|-----------------------------------|
|  | June qtr 1990 and Sep. qtr 1990 % | Sep. qtr 1989 and Sep. qtr 1990 % |
| Food                                     | -0.7                              | +2.6                              |
| Clothing                                 | +0.7                              | +4.9                              |
| Housing                                  | +0.6                              | +7.8                              |
| Household equipment and operation        | +0.9                              | +5.7                              |
| Transportation                           | +1.9                              | +7.7                              |
| Tobacco & alcohol                        | +1.9                              | +8.1                              |
| Health and personal care                 | +1.2                              | +7.4                              |
| Recreation and education                 | +0.5                              | +6.4                              |
| All groups                               | +0.7                              | +6.0                              |
| All groups excluding housing             | +0.8                              | +5.7                              |
| All groups excluding food                | +1.1                              | +6.9                              |

All Groups - Annual Movement



All Groups - Quarterly Movement



The more moderate September quarter outcome was the result of offsetting influences (see table 3). Petrol prices showed the most significant increase (up 5.3%). Significant offsets included fresh vegetable prices (down 22.2%) and motor vehicle prices (down 1.7%).

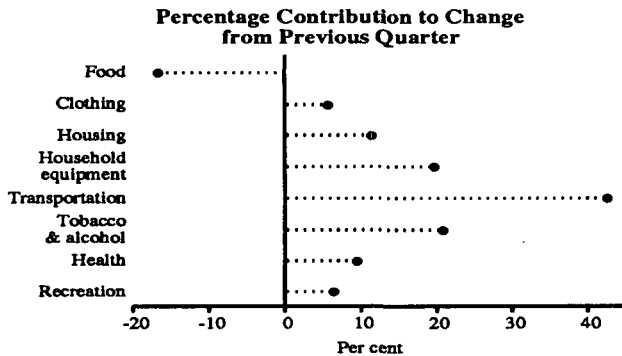
### Overview.

The CPI increased by 0.7% between the June and September quarters and by 6.0% since September quarter last year. Both the quarterly and annual rates of increase (0.7% and 6.0%) are down significantly on the results recorded in June quarter (1.6% and 7.7%).

The considerably lower rate of increase in housing costs of 0.6% this quarter, (compared with 1.6% in the June quarter) had a further moderating influence on the CPI. The small increase this quarter was due to a fall in mortgage interest charges (down 0.3%).

### Main contributions to change.

The four groups which had the most significant influence on the change in the all groups index were: Transportation (+42.7%), Tobacco and Alcohol (+20.9%) Household equipment and operations (+19.8%) and Food (-17.0%)- see chart below.



### Transportation: +1.9%

The transportation group is the largest contributor to change in the all groups index, accounting for 42.7% of the change this quarter, or 0.67 index points (see table 3). This was mainly the result of petrol and vehicle insurance price increases. Motor vehicle prices fell, largely offsetting other price increases within the group.

There was substantial variation in petrol prices over the quarter. Petrol prices fell in July followed by significant increases in August and September. Overall, petrol prices in the September quarter increased by 5.3%.

Motor vehicle prices fell by 1.7%. The falls were broadly consistent in all cities except Darwin which showed an increase of 0.7%.

### Food: -0.7%

The fall in the food group index helped moderate the increase in the all groups index this quarter. It resulted in a 17% negative contribution.

Fresh vegetable prices fell back sharply (down 22.2%) from the prices recorded in the June quarter. All cities recorded decreases. The largest falls were in Brisbane (-32.3%), Sydney (-30.4%) and Canberra (-23.6%) and the smallest was in Adelaide (-5.5%). Further falls were recorded in fresh fruit, poultry, and fresh potatoes.

### Housing: +0.6%

In contrast to the situation 12 months ago, housing costs are now exerting a moderating influence on the CPI. Although dwelling rents increased by 1.4%, mortgage interest charges fell by 0.3% (compared with an increase of 1.4% in June quarter).

The fall in mortgage interest charges reflects further moderation in the rate of increase in the value of debt outstanding (+2.2% this quarter compared with +2.4% in June quarter) and a fall in interest rates of 2.6% (following a fall of 1.0% in June quarter).

### Household equipment and operation: +0.9%

The increase this quarter represents a significant reduction on the rate of 1.7% recorded in June quarter. The low rate

of increase this quarter is mainly due to a one off reduction in electricity charges resulting from a \$75 rebate paid to customers of the Sydney County Council. The effect of this rebate will be reversed in the December quarter.

Consumer credit charges increased by 2.0% this quarter, compared with 2.9% last quarter, comprising 1.6% from increase in the value of debt outstanding and 0.4% from increases in interest rates.

### CONSUMER PRICE INDEX - ALL GROUPS PERCENTAGE CHANGES

|   | Change between                           |  |
|---|--|--|
|   | June qtr<br>1990 and<br>Sep. qtr<br>1990 | Sep. qtr<br>1989 and<br>Sep. qtr<br>1990 |
| Sydney                                      | +0.6                                     | +5.8                                     |
| Melbourne                                   | +0.8                                     | +6.4                                     |
| Brisbane                                    | +0.5                                     | +5.3                                     |
| Adelaide                                    | +1.3                                     | +6.3                                     |
| Perth                                       | +0.8                                     | +7.0                                     |
| Hobart                                      | +1.0                                     | +5.5                                     |
| Canberra                                    | +0.8                                     | +6.2                                     |
| Darwin                                      | +1.1                                     | +6.0                                     |
| Weighted average of<br>eight capital cities | +0.7                                     | +6.0                                     |

### Changes over recent years.

An improved approach to the treatment of mortgage interest charges in the CPI was introduced in March quarter 1989. CPI series which included mortgage interest charges (eg Housing group and All groups) were affected by the change. In order to provide the correct basis of comparison for the analysis of changes in prices, the ABS has compiled index number series using the new debt profile approach from the time that mortgage interest charges were first included in the CPI (March quarter 1987). These series together with an explanation of the change in treatment of mortgage interest charges were published in the December quarter 1989 issue of this publication, copies of which are available on request. They also form the basis of the graphs on the following page and the estimates shown in Table 5 of this publication. These series are recommended for the analysis of price change (as distinct from statutory indexation and contract escalation purposes).

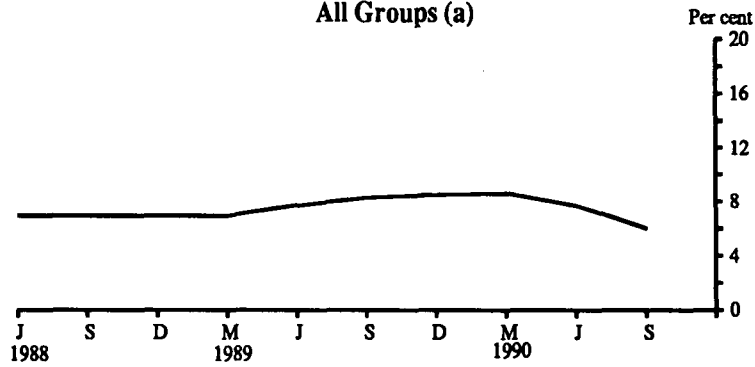
### Annual percentage changes (Analytical Series)

| 1989 |      | 1990 |      |      |
|------|------|------|------|------|
| Sep  | Dec. | Mar. | June | Sep. |
| 8.3  | 8.5  | 8.6  | 7.7  | 6.0  |

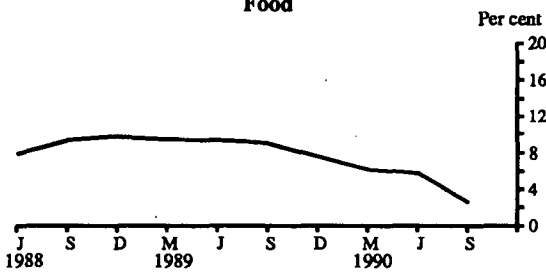
**IAN CASTLES**  
Australian Statistician

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

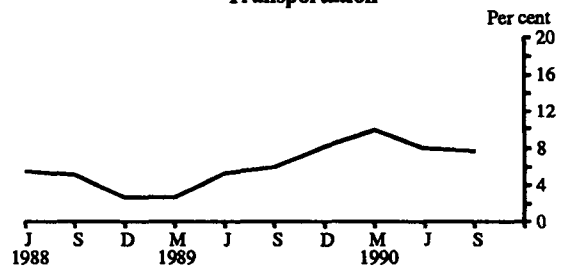
**All Groups (a)**



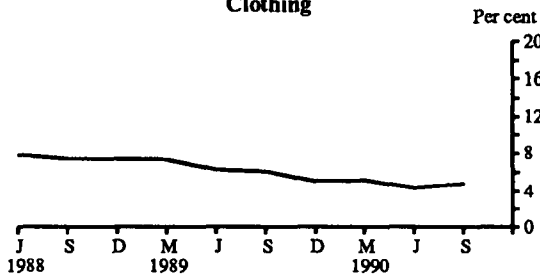
**Food**



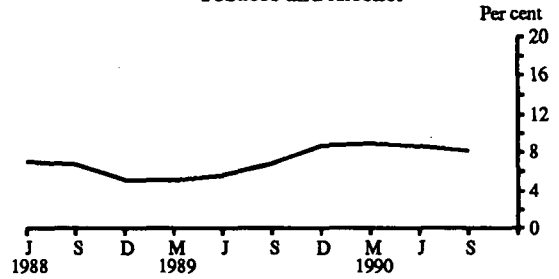
**Transportation**



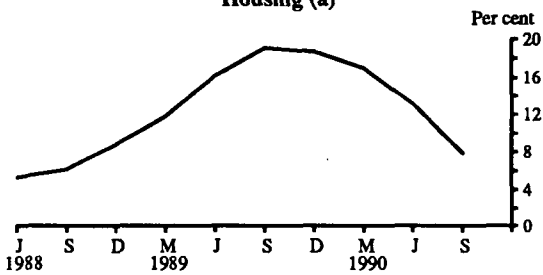
**Clothing**



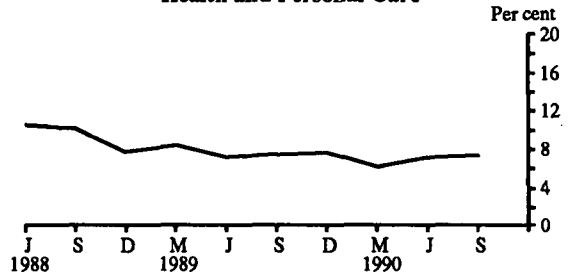
**Tobacco and Alcohol**



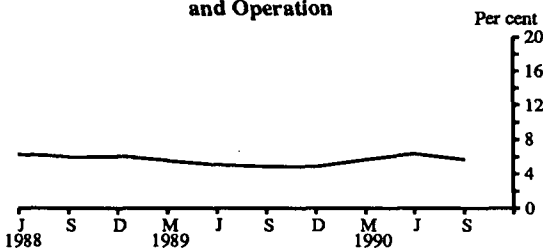
**Housing (a)**



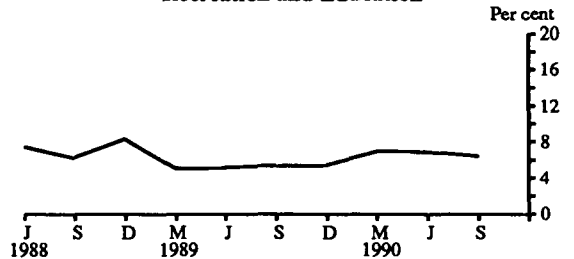
**Health and Personal Care**



**Household Equipment and Operation**



**Recreation and Education**



(a) Analytical series see previous page under *Changes over recent years*.

TABLE 1. CONSUMER PRICE INDEX: ALL GROUPS INDEX NUMBERS  
(Base of each index: Year 1980-81 = 100.0)

| Period            | Sydney | Melbourne | Brisbane | Adelaide | Perth | Hobart | Canberra | Darwin | Weighted average of eight capital cities |
|-------------------|--------|-----------|----------|----------|-------|--------|----------|--------|--|
| 1986-87           | 161.4  | 163.9     | 161.8    | 164.0    | 161.8 | 162.5  | 163.4    | 159.3  | 162.6                                    |
| 1987-88           | 173.7  | 175.9     | 173.1    | 175.0    | 173.3 | 174.4  | 174.7    | 170.6  | 174.5                                    |
| 1988-89           | 187.7  | 187.9     | 185.4    | 187.8    | 186.1 | 185.3  | 186.4    | 178.9  | 187.3                                    |
| 1989-90           | 203.0  | 203.6     | 199.3    | 201.2    | 201.7 | 198.3  | 200.2    | 190.0  | 202.3                                    |
| Quarter - 1986-87 |        |           |          |          |       |        |          |        |  |
| September         | 155.8  | 158.2     | 156.4    | 158.9    | 155.9 | 156.3  | 158.4    | 153.3  | 157.0                                    |
| December          | 160.1  | 162.9     | 160.7    | 162.9    | 160.7 | 161.4  | 162.3    | 158.6  | 161.5                                    |
| March             | 163.5  | 166.0     | 164.1    | 165.7    | 163.8 | 164.8  | 165.1    | 161.4  | 164.7                                    |
| June              | 166.1  | 168.6     | 166.1    | 168.4    | 166.6 | 167.3  | 167.8    | 163.9  | 167.2                                    |
| 1987-88           |        |           |          |          |       |        |          |        |  |
| September         | 169.0  | 171.6     | 168.4    | 170.5    | 169.1 | 170.3  | 170.0    | 166.6  | 170.0                                    |
| December          | 171.8  | 174.5     | 171.5    | 173.8    | 171.8 | 172.9  | 173.0    | 169.5  | 172.9                                    |
| March             | 175.6  | 177.1     | 174.6    | 176.3    | 174.6 | 175.8  | 176.4    | 171.7  | 176.0                                    |
| June              | 178.3  | 180.4     | 177.9    | 179.2    | 177.7 | 178.4  | 179.5    | 174.5  | 179.0                                    |
| 1988-89           |        |           |          |          |       |        |          |        |  |
| September         | 182.9  | 183.0     | 180.5    | 182.7    | 181.3 | 180.6  | 181.7    | 175.6  | 182.4                                    |
| December          | 187.6  | 186.2     | 183.7    | 185.7    | 185.1 | 183.5  | 185.0    | 177.2  | 186.2                                    |
| March             | 187.8  | 188.7     | 186.4    | 189.5    | 187.0 | 186.8  | 187.2    | 180.0  | 188.0                                    |
| June              | 192.5  | 193.8     | 191.0    | 193.2    | 191.0 | 190.3  | 191.5    | 182.9  | 192.6                                    |
| 1989-90           |        |           |          |          |       |        |          |        |  |
| September         | 197.8  | 198.1     | 194.5    | 196.5    | 195.5 | 193.6  | 194.5    | 185.5  | 197.0                                    |
| December          | 201.4  | 202.0     | 197.9    | 199.6    | 199.5 | 197.1  | 198.8    | 188.8  | 200.7                                    |
| March             | 204.9  | 205.1     | 200.9    | 202.5    | 204.1 | 200.2  | 202.7    | 191.2  | 204.1                                    |
| June              | 208.0  | 209.0     | 203.7    | 206.2    | 207.5 | 202.1  | 204.8    | 194.6  | 207.4                                    |
| 1990-91           |        |           |          |          |       |        |          |        |  |
| September         | 209.2  | 210.7     | 204.8    | 208.8    | 209.1 | 204.2  | 206.5    | 196.7  | 208.9                                    |

TABLE 2. CONSUMER PRICE INDEX : ALL GROUPS PERCENTAGE CHANGES.

| Period   | Sydney | Melbourne | Brisbane | Adelaide | Perth | Hobart | Canberra | Darwin | Weighted average of eight capital cities |
|--|--------|-----------|----------|----------|-------|--------|----------|--------|--|
| Change from previous year                          |        |           |          |          |       |        |          |        |  |
| 1987-88  | 7.6    | 7.3       | 7.0      | 6.7      | 7.1   | 7.4    | 6.9      | 7.1    | 7.3                                      |
| 1988-89  | 8.1    | 6.8       | 7.1      | 7.3      | 7.4   | 6.3    | 6.7      | 4.9    | 7.3                                      |
| 1989-90  | 8.2    | 8.4       | 7.5      | 7.1      | 8.4   | 7.0    | 7.4      | 6.2    | 8.0                                      |
| Change from corresponding quarter of previous year |        |           |          |          |       |        |          |        |  |
| 1988-89  |        |           |          |          |       |        |          |        |  |
| September  | 8.2    | 6.6       | 7.2      | 7.2      | 7.2   | 6.0    | 6.9      | 5.4    | 7.3                                      |
| December   | 9.2    | 6.7       | 7.1      | 6.8      | 7.7   | 6.1    | 6.9      | 4.5    | 7.7                                      |
| March  | 6.9    | 6.5       | 6.8      | 7.5      | 7.1   | 6.3    | 6.1      | 4.8    | 6.8                                      |
| June   | 8.0    | 7.4       | 7.4      | 7.8      | 7.5   | 6.7    | 6.7      | 4.8    | 7.6                                      |
| 1989-90  |        |           |          |          |       |        |          |        |  |
| September  | 8.1    | 8.3       | 7.8      | 7.6      | 7.8   | 7.2    | 7.0      | 5.6    | 8.0                                      |
| December   | 7.4    | 8.5       | 7.7      | 7.5      | 7.8   | 7.4    | 7.5      | 6.5    | 7.8                                      |
| March  | 9.1    | 8.7       | 7.8      | 6.9      | 9.1   | 7.2    | 8.3      | 6.2    | 8.6                                      |
| June   | 8.1    | 7.8       | 6.6      | 6.7      | 8.6   | 6.2    | 6.9      | 6.4    | 7.7                                      |
| 1990-91  |        |           |          |          |       |        |          |        |  |
| September  | 5.8    | 6.4       | 5.3      | 6.3      | 7.0   | 5.5    | 6.2      | 6.0    | 6.0                                      |
| Change from previous quarter                       |        |           |          |          |       |        |          |        |  |
| 1988-89  |        |           |          |          |       |        |          |        |  |
| September  | 2.6    | 1.4       | 1.5      | 2.0      | 2.0   | 1.2    | 1.2      | 0.6    | 1.9                                      |
| December   | 2.6    | 1.7       | 1.8      | 1.6      | 2.1   | 1.6    | 1.8      | 0.9    | 2.1                                      |
| March  | 0.1    | 1.3       | 1.5      | 2.0      | 1.0   | 1.8    | 1.2      | 1.6    | 1.0                                      |
| June   | 2.5    | 2.7       | 2.5      | 2.0      | 2.1   | 1.9    | 2.3      | 1.6    | 2.4                                      |
| 1989-90  |        |           |          |          |       |        |          |        |  |
| September  | 2.8    | 2.2       | 1.8      | 1.7      | 2.4   | 1.7    | 1.6      | 1.4    | 2.3                                      |
| December   | 1.8    | 2.0       | 1.7      | 1.6      | 2.0   | 1.8    | 2.2      | 1.8    | 1.9                                      |
| March  | 1.7    | 1.5       | 1.5      | 1.5      | 2.3   | 1.6    | 2.0      | 1.3    | 1.7                                      |
| June   | 1.5    | 1.9       | 1.4      | 1.8      | 1.7   | 0.9    | 1.0      | 1.8    | 1.6                                      |
| 1990-91  |        |           |          |          |       |        |          |        |  |
| September  | 0.6    | 0.8       | 0.5      | 1.3      | 0.8   | 1.0    | 0.8      | 1.1    | 0.7                                      |

TABLE 3. CONSUMER PRICE INDEX : CHANGE BETWEEN JUNE QUARTER 1990 AND SEPTEMBER QUARTER 1990  
MAIN CONTRIBUTIONS TO CHANGE IN TERMS OF ALL GROUPS INDEX POINTS

| Item   | Sydney       | Melbourne   | Brisbane    | Adelaide    | Perth       | Hobart      | Canberra    | Darwin      | Weighted average of eight capital cities |
|--|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| <b>FOOD</b>  | -0.49        | -0.29       | -0.46       | 0.37        | 0.14        | -0.03       | -0.18       | -0.05       | -0.27                                    |
| Milk and cream   | 0.03         | 0.01        | 0.00        | 0.01        | 0.01        | 0.01        | 0.04        | 0.01        | 0.02                                     |
| Poultry  | -0.08        | 0.01        | -0.07       | 0.02        | 0.05        | 0.01        | -0.01       | 0.01        | -0.02                                    |
| Fresh fruit  | -0.15        | 0.11        | -0.03       | 0.04        | -0.01       | -0.18       | -0.09       | -0.05       | -0.03                                    |
| Fresh potatoes   | 0.03         | -0.08       | -0.02       | -0.05       | 0.02        | -0.07       | -0.01       | 0.02        | -0.02                                    |
| Fresh vegetables   | -0.65        | -0.28       | -0.58       | -0.08       | -0.14       | -0.14       | -0.35       | -0.27       | -0.41                                    |
| Confectionary  | 0.09         | 0.06        | 0.02        | 0.05        | 0.07        | 0.01        | 0.06        | 0.05        | 0.07                                     |
| Meals out  | 0.08         | -0.08       | 0.06        | 0.09        | 0.04        | 0.12        | 0.11        | 0.03        | 0.03                                     |
| Take away foods  | 0.06         | 0.05        | 0.07        | 0.05        | 0.06        | 0.04        | 0.05        | 0.02        | 0.05                                     |
| Food additives sauces & spices   | 0.00         | 0.02        | 0.01        | 0.02        | 0.02        | 0.02        | 0.00        | 0.01        | 0.02                                     |
| <b>CLOTHING</b>  | 0.10         | 0.10        | 0.08        | 0.09        | 0.04        | 0.03        | 0.11        | 0.12        | 0.09                                     |
| Men's outer clothing   | 0.01         | 0.04        | 0.03        | 0.01        | -0.03       | -0.01       | 0.02        | 0.03        | 0.02                                     |
| Men's underwear nightwear etc.   | 0.02         | 0.00        | 0.01        | 0.01        | 0.02        | 0.01        | 0.00        | 0.02        | 0.01                                     |
| Boy's clothing   | 0.00         | 0.00        | 0.02        | 0.00        | 0.02        | -0.01       | 0.01        | 0.01        | 0.01                                     |
| Girl's clothing  | 0.01         | 0.00        | 0.01        | 0.02        | 0.00        | 0.01        | 0.01        | 0.04        | 0.01                                     |
| Fabrics and knitting wool  | 0.02         | 0.03        | 0.00        | 0.03        | 0.00        | 0.00        | 0.00        | 0.00        | 0.02                                     |
| <b>HOUSING</b>   | 0.25         | 0.15        | 0.16        | 0.20        | 0.13        | 0.09        | 0.02        | -0.08       | 0.18                                     |
| Privately-owned dwelling rents   | 0.17         | 0.12        | 0.12        | 0.09        | 0.01        | 0.07        | 0.07        | 0.13        | 0.12                                     |
| Govt-owned dwelling rents  | 0.00         | 0.04        | 0.01        | 0.00        | 0.00        | -0.01       | 0.00        | 0.04        | 0.01                                     |
| Mortgage interest charges  | -0.10        | -0.05       | -0.01       | 0.05        | 0.02        | 0.01        | -0.14       | -0.36       | -0.05                                    |
| Local govt rates & charges   | 0.04         | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.02                                     |
| House repairs & maintenance  | 0.04         | 0.04        | 0.03        | 0.06        | 0.09        | 0.01        | 0.04        | 0.06        | 0.04                                     |
| House insurance  | 0.10         | 0.01        | 0.01        | -0.01       | 0.01        | 0.01        | 0.05        | 0.04        | 0.04                                     |
| <b>HOUSEHOLD EQUIP. &amp; OPERATION</b>  | -0.22        | 0.74        | 0.49        | 0.40        | 0.41        | 0.86        | 0.63        | 0.58        | 0.31                                     |
| Electricity  | -0.65        | 0.19        | 0.00        | 0.12        | 0.30        | 0.34        | 0.12        | 0.00        | -0.12                                    |
| Gas  | 0.02         | 0.09        | 0.00        | 0.00        | 0.05        | 0.00        | 0.00        | 0.00        | 0.04                                     |
| Floor coverings  | 0.04         | 0.03        | 0.05        | 0.03        | -0.02       | 0.02        | 0.06        | -0.05       | 0.03                                     |
| Appliances   | 0.04         | 0.01        | 0.05        | 0.04        | 0.02        | 0.03        | 0.07        | 0.05        | 0.03                                     |
| Tools  | 0.03         | 0.04        | 0.15        | 0.04        | 0.04        | 0.11        | 0.05        | 0.05        | 0.05                                     |
| Other household non-durables   | 0.04         | 0.03        | 0.02        | 0.03        | -0.01       | 0.03        | 0.03        | 0.02        | 0.03                                     |
| Telephone services   | 0.06         | 0.05        | 0.05        | 0.05        | 0.05        | 0.04        | 0.05        | 0.05        | 0.05                                     |
| Consumer credit charges  | 0.10         | 0.12        | 0.14        | 0.08        | 0.11        | 0.06        | 0.14        | 0.19        | 0.11                                     |
| <b>TRANSPORTATION</b>  | 0.96         | 0.54        | 0.34        | 0.56        | 0.49        | 0.60        | 0.61        | 0.67        | 0.67                                     |
| Motor vehicles   | -0.17        | -0.19       | -0.33       | -0.19       | -0.18       | -0.13       | -0.22       | 0.10        | -0.19                                    |
| Automotive fuel  | 0.58         | 0.51        | 0.31        | 0.41        | 0.30        | 0.36        | 0.39        | 0.18        | 0.47                                     |
| Vehicle insurance  | 0.22         | 0.04        | 0.08        | 0.11        | 0.25        | 0.15        | 0.02        | 0.03        | 0.14                                     |
| Motoring charges   | 0.04         | 0.00        | 0.16        | 0.06        | 0.02        | 0.03        | 0.22        | 0.01        | 0.05                                     |
| Vehicle servicing etc.   | 0.06         | 0.14        | 0.05        | 0.08        | 0.08        | 0.10        | 0.05        | 0.35        | 0.09                                     |
| Urban transport fares  | 0.23         | 0.04        | 0.07        | 0.08        | 0.04        | 0.07        | 0.16        | 0.00        | 0.12                                     |
| <b>TOBACCO &amp; ALCOHOL</b>   | 0.30         | 0.33        | 0.31        | 0.44        | 0.36        | 0.22        | 0.26        | 0.42        | 0.32                                     |
| Beer   | 0.15         | 0.15        | 0.16        | 0.16        | 0.23        | 0.16        | 0.17        | 0.26        | 0.16                                     |
| Wine   | 0.02         | 0.02        | 0.01        | -0.05       | 0.00        | -0.05       | -0.02       | 0.02        | 0.01                                     |
| Spirits  | 0.06         | 0.05        | 0.05        | 0.12        | 0.08        | 0.01        | 0.05        | 0.05        | 0.06                                     |
| Cigarettes & tobacco   | 0.08         | 0.10        | 0.08        | 0.20        | 0.07        | 0.10        | 0.08        | 0.08        | 0.09                                     |
| <b>HEALTH &amp; PERSONAL CARE</b>  | 0.10         | 0.21        | 0.04        | 0.30        | 0.16        | 0.16        | 0.02        | 0.09        | 0.15                                     |
| Hospital & medical services  | 0.06         | 0.20        | 0.02        | 0.18        | 0.11        | 0.15        | -0.03       | 0.08        | 0.11                                     |
| Dental services  | 0.05         | 0.04        | 0.01        | 0.05        | 0.03        | 0.02        | 0.01        | 0.00        | 0.04                                     |
| Pharmaceuticals  | -0.05        | -0.06       | -0.05       | -0.04       | -0.04       | -0.10       | -0.05       | -0.04       | -0.05                                    |
| Toiletries & personal products   | 0.03         | 0.03        | 0.05        | 0.07        | 0.04        | 0.05        | 0.05        | 0.04        | 0.03                                     |
| <b>RECREATION &amp; EDUCATION</b>  | 0.16         | 0.03        | 0.12        | 0.20        | -0.06       | 0.23        | 0.25        | 0.31        | 0.10                                     |
| Books newspapers & magazines   | 0.05         | 0.05        | 0.03        | 0.02        | 0.03        | 0.14        | 0.03        | 0.03        | 0.04                                     |
| Holiday travel & accommodation   | 0.02         | -0.09       | 0.00        | -0.02       | -0.10       | -0.01       | 0.06        | 0.05        | -0.03                                    |
| Entertainment  | 0.02         | 0.05        | 0.03        | 0.16        | 0.05        | 0.03        | 0.16        | 0.08        | 0.05                                     |
| Child care fees  | 0.01         | 0.06        | 0.01        | 0.02        | 0.03        | 0.03        | 0.00        | 0.05        | 0.03                                     |
| <b>Total change</b>  | <b>1.2</b>   | <b>1.7</b>  | <b>1.1</b>  | <b>2.6</b>  | <b>1.6</b>  | <b>2.1</b>  | <b>1.7</b>  | <b>2.1</b>  | <b>1.5</b>                               |
| <b>Contribution of selected State &amp; local government charges (a) to total change</b> | <b>-0.43</b> | <b>0.34</b> | <b>0.25</b> | <b>0.25</b> | <b>0.40</b> | <b>0.45</b> | <b>0.50</b> | <b>0.02</b> | <b>0.06</b>                              |

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

TABLE 4. CHANGE BETWEEN JUNE QUARTER 1990 AND SEPTEMBER QUARTER 1990 (a)  
PERCENTAGE CONTRIBUTION TO CHANGE IN WEIGHTED AVERAGE EIGHT CAPITAL CITIES ALL GROUPS INDEX.

|                                   | Sydney | Melbourne | Brisbane | Adelaide | Perth | Hobart | Canberra | Darwin | Weighted average of eight capital cities |
|-----------------------------------|--------|-----------|----------|----------|-------|--------|----------|--------|--|
| Food                              | -10.9  | -5.4      | -3.3     | 2.1      | 0.9   | 0.0    | -0.4     | 0.0    | -17.0                                    |
| Clothing                          | 2.3    | 1.8       | 0.6      | 0.5      | 0.3   | 0.0    | 0.2      | 0.1    | 5.8                                      |
| Housing                           | 5.7    | 2.7       | 1.1      | 1.1      | 0.9   | 0.1    | 0.0      | 0.0    | 11.6                                     |
| Household equipment and operation | -4.8   | 13.8      | 3.4      | 2.3      | 2.6   | 0.9    | 1.3      | 0.4    | 19.8                                     |
| Transportation                    | 21.7   | 10.1      | 2.4      | 3.2      | 3.1   | 0.6    | 1.2      | 0.4    | 42.7                                     |
| Tobacco and alcohol               | 6.9    | 6.0       | 2.2      | 2.5      | 2.3   | 0.2    | 0.5      | 0.3    | 20.9                                     |
| Health and personal care          | 2.4    | 3.9       | 0.3      | 1.8      | 1.0   | 0.2    | 0.0      | 0.1    | 9.6                                      |
| Recreation and education          | 3.5    | 0.5       | 0.9      | 1.1      | -0.4  | 0.2    | 0.5      | 0.2    | 6.6                                      |
| All groups                        | 26.8   | 33.5      | 7.5      | 14.6     | 10.6  | 2.3    | 3.5      | 1.3    | 100.0                                    |

(a) Table 4 shows the percentage contribution of Groups in each city to the change (between June quarter 1990 and September quarter 1990) in the All Groups index for the weighted average of the eight capital cities.

## ANALYTICAL SERIES (a)

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

| Period   | Food | Clothing | Housing | Household equipment and operation | Transportation | Tobacco and alcohol | Health and personal care | Recreation and education | All Groups |
|--|------|----------|---------|-----------------------------------|----------------|---------------------|--------------------------|--------------------------|------------|
| Change from previous year                          |      |          |         |                                   |                |                     |                          |                          |            |
| 1987-88  | 5.2  | 7.8      | 6.8 r   | 6.9                               | 7.8            | 8.4                 | 11.3                     | 7.8                      | 7.3        |
| 1988-89  | 9.4  | 7.1      | 10.8    | 5.7                               | 3.9            | 5.7                 | 8.4                      | 6.2                      | 7.1        |
| 1989-90  | 7.1  | 5.2      | 16.8 r  | 5.5                               | 8.0            | 8.3                 | 7.2                      | 6.2                      | 8.2 r      |
| Change from corresponding quarter of previous year |      |          |         |                                   |                |                     |                          |                          |            |
| 1988-89  |      |          |         |                                   |                |                     |                          |                          |            |
| September  | 9.3  | 7.4      | 6.1     | 6.0                               | 5.1            | 6.7                 | 10.3                     | 6.3                      | 6.9        |
| December   | 9.7  | 7.4      | 8.8     | 6.1                               | 2.7            | 5.2                 | 7.8                      | 8.3                      | 6.9        |
| March  | 9.4  | 7.3      | 11.8    | 5.6                               | 2.7            | 5.2                 | 8.5                      | 5.1                      | 6.9        |
| June   | 9.3  | 6.3      | 16.2    | 5.1                               | 5.3            | 5.7                 | 7.2                      | 5.2                      | 7.7        |
| 1989-90  |      |          |         |                                   |                |                     |                          |                          |            |
| September  | 9.0  | 6.1      | 19.1    | 4.9                               | 6.0            | 6.8                 | 7.5                      | 5.4                      | 8.3        |
| December   | 7.6  | 5.1      | 18.7    | 4.9                               | 8.2            | 8.7                 | 7.7                      | 5.5                      | 8.5        |
| March  | 6.2  | 5.2      | 17.0    | 5.7                               | 9.9            | 8.9                 | 6.2                      | 7.0                      | 8.6        |
| June   | 5.8  | 4.4      | 13.0    | 6.4                               | 8.0            | 8.6                 | 7.2                      | 6.9                      | 7.7        |
| 1990-91  |      |          |         |                                   |                |                     |                          |                          |            |
| September  | 2.6  | 4.9      | 7.8     | 5.7                               | 7.7            | 8.1                 | 7.4                      | 6.4                      | 6.0        |
| Change from previous quarter                       |      |          |         |                                   |                |                     |                          |                          |            |
| 1988-89  |      |          |         |                                   |                |                     |                          |                          |            |
| September  | 2.8  | 0.4      | 2.8     | 1.6                               | 1.5            | 1.3                 | 0.8                      | 0.8                      | 1.7        |
| December   | 1.6  | 3.0      | 3.8     | 1.6                               | 0.3            | 0.2                 | 0.5                      | 2.4                      | 1.7        |
| March  | 1.5  | -0.1     | 3.5     | 0.7                               | 1.0            | 2.0                 | 5.3                      | 0.8                      | 1.6        |
| June   | 3.2  | 2.8      | 5.3     | 1.0                               | 2.4            | 2.1                 | 0.5                      | 1.1                      | 2.4        |
| 1989-90  |      |          |         |                                   |                |                     |                          |                          |            |
| September  | 2.5  | 0.2      | 5.4     | 1.5                               | 2.2            | 2.3                 | 1.0                      | 1.0                      | 2.3        |
| December   | 0.3  | 2.0      | 3.4     | 1.5                               | 2.4            | 2.0                 | 0.7                      | 2.5                      | 1.9        |
| March  | 0.2  | 0.1      | 2.0     | 1.5                               | 2.6            | 2.2                 | 3.8                      | 2.3                      | 1.7        |
| June   | 2.8  | 2.0      | 1.6     | 1.7                               | 0.6            | 1.8                 | 1.5                      | 1.0                      | 1.6        |
| 1990-91  |      |          |         |                                   |                |                     |                          |                          |            |
| September  | -0.7 | 0.7      | 0.6     | 0.9                               | 1.9            | 1.9                 | 1.2                      | 0.5                      | 0.7        |

(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 | Canberra | Darwin | Weighted average of eight capital cities |
|--|--------|-----------|----------|----------|-------|--------|----------|--------|--|
| FOOD<br>(Base of each index : Year 1980-81 = 100.0)                              |        |           |          |          |       |        |          |        |  |
| 1988-89  |        |           |          |          |       |        |          |        |  |
| September  | 172.3  | 179.5     | 172.3    | 176.0    | 176.6 | 178.1  | 167.8    | 167.2  | 175.1                                    |
| December   | 176.0  | 182.3     | 173.9    | 177.4    | 178.7 | 180.6  | 170.7    | 168.1  | 177.9                                    |
| March  | 178.4  | 183.9     | 177.6    | 180.4    | 183.8 | 181.9  | 172.8    | 171.8  | 180.5                                    |
| June   | 184.5  | 190.8     | 183.8    | 185.6    | 185.7 | 185.2  | 176.6    | 175.2  | 186.2                                    |
| 1989-90  |        |           |          |          |       |        |          |        |  |
| September  | 189.4  | 196.6     | 186.8    | 189.5    | 188.4 | 188.8  | 180.8    | 176.7  | 190.8                                    |
| December   | 189.4  | 198.1     | 185.8    | 188.4    | 190.6 | 192.1  | 183.2    | 178.6  | 191.4                                    |
| March  | 191.4  | 195.4     | 187.5    | 186.8    | 194.0 | 192.1  | 185.3    | 177.7  | 191.7                                    |
| June   | 196.3  | 202.8     | 191.6    | 190.7    | 198.2 | 194.9  | 187.9    | 182.3  | 197.0                                    |
| 1990-91  |        |           |          |          |       |        |          |        |  |
| September  | 193.9  | 201.4     | 189.2    | 192.6    | 198.9 | 194.8  | 186.9    | 182.1  | 195.7                                    |
| CLOTHING<br>(Base of each index : Year 1980-81 = 100.0)                          |        |           |          |          |       |        |          |        |  |
| 1988-89  |        |           |          |          |       |        |          |        |  |
| September  | 169.4  | 171.2     | 170.7    | 174.5    | 172.2 | 168.6  | 171.6    | 152.7  | 170.8                                    |
| December   | 174.0  | 177.5     | 175.6    | 180.3    | 177.6 | 173.2  | 175.9    | 156.7  | 176.0                                    |
| March  | 173.9  | 177.3     | 175.6    | 180.2    | 177.0 | 173.1  | 175.1    | 157.6  | 175.9                                    |
| June   | 179.2  | 181.1     | 180.0    | 186.2    | 182.7 | 178.3  | 180.9    | 159.8  | 180.8                                    |
| 1989-90  |        |           |          |          |       |        |          |        |  |
| September  | 179.6  | 182.3     | 179.7    | 186.6    | 181.5 | 178.5  | 181.7    | 159.2  | 181.2                                    |
| December   | 182.8  | 186.4     | 184.7    | 188.7    | 186.4 | 182.3  | 185.7    | 161.2  | 184.9                                    |
| March  | 182.7  | 186.9     | 183.6    | 190.1    | 185.8 | 183.5  | 185.0    | 161.9  | 185.0                                    |
| June   | 186.9  | 191.0     | 186.6    | 191.9    | 188.6 | 186.9  | 190.2    | 164.3  | 188.7                                    |
| 1990-91  |        |           |          |          |       |        |          |        |  |
| September  | 188.1  | 192.3     | 188.1    | 193.2    | 189.2 | 187.2  | 191.8    | 167.2  | 190.0                                    |
| HOUSING (a)<br>(Base of each index : Year 1980-81 = 100.0)                       |        |           |          |          |       |        |          |        |  |
| 1988-89  |        |           |          |          |       |        |          |        |  |
| September  | 193.2  | 193.7     | 171.5    | 180.0    | 175.2 | 167.2  | 189.0    | 161.8  | 188.0                                    |
| December   | 208.1  | 204.5     | 180.0    | 185.0    | 188.2 | 173.5  | 196.1    | 164.3  | 199.7                                    |
| March  | 199.7  | 207.3     | 179.0    | 197.2    | 182.1 | 179.9  | 201.9    | 168.9  | 197.7                                    |
| June   | 210.8  | 218.9     | 186.6    | 204.3    | 193.4 | 186.1  | 210.7    | 174.4  | 208.1                                    |
| 1989-90  |        |           |          |          |       |        |          |        |  |
| September  | 222.3  | 230.9     | 195.7    | 212.6    | 206.6 | 193.5  | 220.0    | 180.1  | 219.3                                    |
| December   | 230.6  | 237.2     | 202.4    | 219.0    | 215.1 | 200.0  | 229.6    | 185.5  | 226.8                                    |
| March  | 234.5  | 242.6     | 205.4    | 223.4    | 222.6 | 203.0  | 233.0    | 188.3  | 231.4                                    |
| June   | 237.8  | 248.0     | 208.3    | 226.5    | 225.8 | 204.8  | 234.8    | 190.4  | 235.1                                    |
| 1990-91  |        |           |          |          |       |        |          |        |  |
| September  | 239.5  | 249.1     | 209.4    | 228.1    | 226.7 | 205.4  | 234.9    | 189.9  | 236.4                                    |
| HOUSEHOLD EQUIPMENT AND OPERATION<br>(Base of each index : Year 1980-81 = 100.0) |        |           |          |          |       |        |          |        |  |
| 1988-89  |        |           |          |          |       |        |          |        |  |
| September  | 178.6  | 178.6     | 182.1    | 180.1    | 177.1 | 178.2  | 175.3    | 176.3  | 179.0                                    |
| December   | 181.2  | 181.1     | 186.1    | 182.5    | 180.3 | 180.9  | 178.7    | 178.0  | 181.8                                    |
| March  | 182.2  | 182.3     | 186.9    | 184.0    | 182.9 | 183.2  | 180.4    | 179.1  | 183.1                                    |
| June   | 183.6  | 185.0     | 188.9    | 185.4    | 185.2 | 185.5  | 182.6    | 180.5  | 185.0                                    |
| 1989-90  |        |           |          |          |       |        |          |        |  |
| September  | 186.1  | 188.1     | 191.2    | 187.5    | 188.6 | 187.7  | 185.3    | 182.6  | 187.8                                    |
| December   | 188.3  | 192.2     | 195.0    | 191.1    | 189.5 | 190.4  | 188.2    | 184.5  | 190.7                                    |
| March  | 191.4  | 195.5     | 196.4    | 193.5    | 192.6 | 192.3  | 190.6    | 185.7  | 193.5                                    |
| June   | 193.9  | 198.8     | 199.5    | 197.8    | 197.6 | 194.6  | 194.4    | 189.5  | 196.8                                    |
| 1990-91  |        |           |          |          |       |        |          |        |  |
| September  | 192.8  | 203.0     | 202.1    | 199.8    | 199.8 | 199.4  | 197.6    | 192.8  | 198.5                                    |

(a) These series have been affected by the adoption of a new approach to the treatment of mortgage interest charges.

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>Canberra</i> | <i>Darwin</i> | <i>Weighted<br/>average of<br/>eight<br/>capital<br/>cities</i> |
|--|---------------|------------------|-----------------|-----------------|--------------|---------------|-----------------|---------------|---|
| <b>TRANSPORTATION</b><br>(Base of each index : Year 1980-81 = 100.0)                 |               |                  |                 |                 |              |               |                 |               |   |
| 1988-89  |               |                  |                 |                 |              |               |                 |               |   |
| September  | 198.5         | 181.1            | 195.2           | 195.2           | 188.1        | 195.4         | 192.8           | 189.8         | 191.1   |
| December   | 198.6         | 181.3            | 195.2           | 199.6           | 188.4        | 196.9         | 193.7           | 190.8         | 191.7   |
| March  | 199.3         | 184.5            | 196.4           | 201.6           | 192.0        | 199.5         | 193.3           | 192.3         | 193.6   |
| June   | 203.6         | 189.0            | 201.3           | 204.9           | 196.9        | 204.1         | 200.4           | 195.6         | 198.2   |
| 1989-90  |               |                  |                 |                 |              |               |                 |               |   |
| September  | 212.8         | 190.6            | 205.4           | 205.8           | 200.4        | 206.7         | 198.7           | 197.8         | 202.5   |
| December   | 218.9         | 195.4            | 209.9           | 210.5           | 203.1        | 208.5         | 204.4           | 199.9         | 207.4   |
| March  | 224.8         | 200.4            | 214.9           | 215.6           | 207.7        | 212.8         | 212.0           | 202.2         | 212.7   |
| June   | 226.1         | 201.1            | 216.1           | 218.3           | 209.6        | 211.0         | 212.9           | 205.3         | 214.0   |
| 1990-91  |               |                  |                 |                 |              |               |                 |               |   |
| September  | 232.7         | 204.3            | 218.0           | 221.8           | 212.7        | 214.7         | 216.5           | 209.4         | 218.1   |
| <b>TOBACCO AND ALCOHOL</b><br>(Base of each index : Year 1980-81 = 100.0)            |               |                  |                 |                 |              |               |                 |               |   |
| 1988-89  |               |                  |                 |                 |              |               |                 |               |   |
| September  | 209.1         | 201.9            | 195.0           | 205.2           | 210.8        | 220.3         | 207.4           | 214.5         | 205.6   |
| December   | 208.8         | 201.9            | 198.5           | 206.9           | 210.5        | 223.3         | 206.1           | 213.5         | 206.0   |
| March  | 211.1         | 204.8            | 212.6           | 210.9           | 213.0        | 229.7         | 209.1           | 216.7         | 210.1   |
| June   | 215.3         | 209.8            | 217.3           | 215.8           | 217.3        | 233.3         | 213.7           | 217.9         | 214.6   |
| 1989-90  |               |                  |                 |                 |              |               |                 |               |   |
| September  | 220.7         | 214.7            | 221.6           | 221.2           | 222.2        | 237.0         | 217.7           | 220.5         | 219.6   |
| December   | 225.1         | 219.5            | 224.2           | 223.5           | 229.1        | 239.9         | 222.0           | 226.4         | 223.9   |
| March  | 229.1         | 224.6            | 229.9           | 228.5           | 236.4        | 244.6         | 226.8           | 230.0         | 228.9   |
| June   | 233.1         | 228.2            | 234.3           | 234.0           | 240.9        | 249.1         | 230.1           | 235.1         | 233.0   |
| 1990-91  |               |                  |                 |                 |              |               |                 |               |   |
| September  | 237.1         | 232.9            | 238.4           | 239.5           | 245.8        | 252.3         | 234.2           | 239.2         | 237.4   |
| <b>HEALTH AND PERSONAL CARE</b><br>(Base of each index : Year 1980-81 = 100.0)       |               |                  |                 |                 |              |               |                 |               |   |
| 1988-89  |               |                  |                 |                 |              |               |                 |               |   |
| September  | 170.8         | 192.6            | 175.7           | 182.8           | 186.3        | 159.7         | 179.8           | 173.7         | 180.6   |
| December   | 172.8         | 192.6            | 176.4           | 182.7           | 187.1        | 159.7         | 181.3           | 175.1         | 181.5   |
| March  | 181.9         | 203.7            | 187.2           | 190.8           | 193.9        | 168.4         | 188.7           | 187.0         | 191.1   |
| June   | 182.2         | 205.0            | 189.1           | 191.6           | 195.7        | 170.6         | 189.5           | 188.7         | 192.1   |
| 1989-90  |               |                  |                 |                 |              |               |                 |               |   |
| September  | 183.7         | 207.2            | 189.3           | 196.0           | 199.2        | 171.3         | 192.4           | 190.4         | 194.1   |
| December   | 184.2         | 206.7            | 191.4           | 201.7           | 204.1        | 174.2         | 195.5           | 196.4         | 195.5   |
| March  | 191.6         | 213.8            | 199.6           | 209.4           | 212.2        | 185.8         | 198.6           | 211.8         | 203.0   |
| June   | 193.7         | 216.8            | 201.8           | 216.3           | 215.8        | 188.7         | 200.7           | 215.7         | 206.0   |
| 1990-91  |               |                  |                 |                 |              |               |                 |               |   |
| September  | 195.4         | 220.2            | 202.5           | 221.2           | 218.9        | 191.2         | 201.1           | 217.7         | 208.5   |
| <b>RECREATION AND EDUCATION</b><br>(Base of each index : March Quarter 1982 = 100.0) |               |                  |                 |                 |              |               |                 |               |   |
| 1988-89  |               |                  |                 |                 |              |               |                 |               |   |
| September  | 155.8         | 161.1            | 160.3           | 158.3           | 152.3        | 162.8         | 162.2           | 149.5         | 158.1   |
| December   | 161.2         | 163.7            | 163.5           | 161.6           | 155.2        | 165.0         | 167.5           | 152.5         | 161.9   |
| March  | 161.9         | 165.4            | 164.4           | 163.3           | 157.4        | 167.6         | 169.1           | 153.1         | 163.2   |
| June   | 163.5         | 167.9            | 167.3           | 165.2           | 156.6        | 168.2         | 169.4           | 155.1         | 165.0   |
| 1989-90  |               |                  |                 |                 |              |               |                 |               |   |
| September  | 165.0         | 169.4            | 168.7           | 166.9           | 158.8        | 171.8         | 172.0           | 158.0         | 166.6   |
| December   | 169.2         | 174.0            | 173.3           | 170.1           | 162.8        | 175.6         | 174.3           | 161.8         | 170.8   |
| March  | 172.3         | 179.3            | 175.6           | 173.0           | 167.0        | 179.1         | 180.2           | 164.8         | 174.7   |
| June   | 173.8         | 181.5            | 177.5           | 175.3           | 167.8        | 181.0         | 179.1           | 166.5         | 176.4   |
| 1990-91  |               |                  |                 |                 |              |               |                 |               |   |
| September  | 175.1         | 181.7            | 178.5           | 177.0           | 167.4        | 182.8         | 180.9           | 168.7         | 177.2   |



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<br>(Base of each index:<br>Year 1980-81=100.0) |                    |                    |   | Percentage<br>Change between           |                    | Contribution to total CPI (expressed as<br>All Groups index points) |   |  | Change between<br>Jun qtr 1990<br>and<br>Sep qtr 1990 |
|--|--|--------------------|--------------------|---|--|--------------------|---|---|--|---|
|  | Sep<br>qtr<br>1989   | Jun<br>qtr<br>1990 | Sep<br>qtr<br>1990 | Jun<br>qtr<br>1990 and<br>Sep qtr<br>1990 | Jun qtr<br>1990 and<br>Sep qtr<br>1990 | Jun<br>qtr<br>1990 | Sep<br>qtr<br>1990  | Jun qtr<br>1990<br>and<br>Sep qtr<br>1990 |  |   |
|  |  |                    |                    |   |  |                    |   |   |  |   |
| <b>FOOD</b>                              |  |                    |                    |   |  |                    |   |   |  |   |
| Dairy products                           | 190.8  | 197.0              | 195.7              | -0.7                                      | 2.6                                    | 38.77              | 38.50   | -0.27                                     |  |   |
| Cereal products                          | 175.5  | 187.8              | 187.7              | -0.1                                      | 7.0                                    | 3.11               | 3.11  | 0.00                                      |  |   |
| Meat and seafoods                        | 206.1  | 219.6              | 221.4              | 0.8                                       | 7.4                                    | 4.10               | 4.13  | 0.03                                      |  |   |
| Beef and veal                            | 163.0  | 167.3              | 166.3              | -0.6                                      | 2.0                                    | 7.11               | 7.07  | -0.04                                     |  |   |
| Lamb and mutton                          | 171.6  | 177.7              | 178.0              | 0.2                                       | 3.7                                    |                    | 2.07  | 0.01                                      |  |   |
| Pork                                     | 155.3  | 164.5              | 162.9              | -1.0                                      | 4.9                                    |                    | 1.00  | -0.01                                     |  |   |
| Poultry                                  | 164.3  | 166.4              | 166.9              | 0.3                                       | 1.6                                    |                    | 0.35  | 0.00                                      |  |   |
| Bacon and ham                            | 148.5  | 151.4              | 146.2              | -3.4                                      | -1.5                                   |                    | 0.75  | -0.02                                     |  |   |
| Processed meat                           | 140.1  | 146.6              | 143.5              | -2.1                                      | 2.4                                    |                    | 0.65  | -0.01                                     |  |   |
| Fish                                     | 154.7  | 162.5              | 162.1              | -0.2                                      | 4.7                                    |                    | 1.37  | 0.00                                      |  |   |
| Fresh fruit and vegetables               | 224.7  | 210.9              | 212.5              | 0.8                                       | -5.4                                   |                    | 0.93  | 0.00                                      |  |   |
| Processed fruit and vegetables           | 254.4  | 220.7              | 194.6              | -11.8                                     | -23.5                                  | 3.87               | 3.41  | -0.46                                     |  |   |
| Soft drinks - ice cream & conf.          | 197.4  | 211.5              | 210.8              | -0.3                                      | 6.8                                    | 1.84               | 1.83  | -0.01                                     |  |   |
| Meals out and take away foods            | 201.9  | 215.6              | 218.3              | 1.3                                       | 8.1                                    | 5.76               | 5.83  | 0.07                                      |  |   |
| Other food                               | 200.8  | 212.9              | 214.8              | 0.9                                       | 7.0                                    | 9.68               | 9.77  | 0.09                                      |  |   |
|  | 173.8  | 181.7              | 184.3              | 1.4                                       | 6.0                                    | 3.29               | 3.34  | 0.05                                      |  |   |
| <b>CLOTHING</b>                          |  |                    |                    |   |  |                    |   |   |  |   |
| Men's and boys' clothing                 | 181.2  | 188.7              | 190.0              | 0.7                                       | 4.9                                    | 13.81              | 13.90   | 0.09                                      |  |   |
| Women's and girls' clothing              | 174.4  | 182.5              | 184.4              | 1.0                                       | 5.7                                    | 3.92               | 3.96  | 0.04                                      |  |   |
| Fabrics and knitting wool                | 183.7  | 191.8              | 192.2              | 0.2                                       | 4.6                                    | 6.30               | 6.32  | 0.02                                      |  |   |
| Footwear                                 | 187.5  | 191.7              | 195.4              | 1.9                                       | 4.2                                    | 0.93               | 0.95  | 0.02                                      |  |   |
| Dry cleaning and shoe repairs            | 179.6  | 183.5              | 184.3              | 0.4                                       | 2.6                                    | 2.12               | 2.13  | 0.01                                      |  |   |
|  | 201.9  | 220.6              | 224.1              | 1.6                                       | 11.0                                   | 0.54               | 0.55  | 0.01                                      |  |   |
| <b>HOUSING</b>                           |  |                    |                    |   |  |                    |   |   |  |   |
| Rents                                    | 219.3  | 235.1              | 236.4              | 0.6                                       | 7.8                                    | 32.74              | 32.92   | 0.18                                      |  |   |
| Privately-owned dwelling rents           | 221.6  | 230.7              | 233.9              | 1.4                                       | 5.6                                    | 9.82               | 9.95  | 0.13                                      |  |   |
| Government-owned dwelling rents          | 218.3  | 227.4              | 230.5              | 1.4                                       | 5.6                                    |                    | 8.95  |   |  |   |
| Home ownership                           | 247.9  | 255.6              | 259.5              | 1.5                                       | 4.7                                    |                    | 9.07  | 0.01                                      |  |   |
| Montgage interest charges(a)             | 218.6  | 237.4              | 237.9              | 0.2                                       | 8.8                                    | 22.92              | 22.97   | 0.05                                      |  |   |
| Local govt. rates & charges              | 147.5  | 161.1              | 160.6              | -0.3                                      | 8.9                                    |                    | 15.51   | -0.05                                     |  |   |
| House repairs and maintenance            | 205.4  | 226.8              | 227.5              | 0.3                                       | 10.8                                   |                    | 3.70  | 0.02                                      |  |   |
| House insurance                          | 181.2  | 190.7              | 193.6              | 1.5                                       | 6.8                                    |                    | 2.91  | 0.04                                      |  |   |
|  | 199.1  | 201.2              | 212.0              | 5.4                                       | 6.5                                    |                    | 0.81  | 0.04                                      |  |   |
| <b>HOUSEHOLD EQUIPMENT AND OPERATION</b> |  |                    |                    |   |  |                    |   |   |  |   |
| Fuel and light                           | 187.8  | 196.8              | 198.5              | 0.9                                       | 5.7                                    | 36.54              | 36.85   | 0.31                                      |  |   |
| Furniture and floor coverings            | 207.4  | 210.4              | 206.7              | -1.8                                      | -0.3                                   | 4.59               | 4.50  | -0.09                                     |  |   |
| Appliances                               | 189.8  | 204.1              | 205.0              | 0.4                                       | 8.0                                    | 8.44               | 8.48  | 0.04                                      |  |   |
| Household textiles                       | 143.9  | 145.3              | 146.8              | 1.0                                       | 2.0                                    | 2.82               | 2.85  | 0.03                                      |  |   |
| Household utensils and tools             | 184.9  | 193.1              | 194.5              | 0.7                                       | 5.2                                    | 1.38               | 1.39  | 0.01                                      |  |   |
| Household supplies and services          | 202.4  | 210.9              | 214.2              | 1.6                                       | 5.8                                    | 3.50               | 3.55  | 0.05                                      |  |   |
| Postal and telephone services            | 191.2  | 198.4              | 200.8              | 1.2                                       | 5.0                                    | 7.61               | 7.70  | 0.09                                      |  |   |
| Consumer credit charges (a)              | 157.3  | 159.1              | 162.6              | 2.2                                       | 3.4                                    | 2.61               | 2.67  | 0.06                                      |  |   |
|  | 126.5  | 138.6              | 141.4              | 2.0                                       | 11.8                                   | 5.60               | 5.71  | 0.11                                      |  |   |

For footnotes see page 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<br>(Base of each index:<br>Year 1980-81=100.0) |                    |                    | Percentage<br>Change between           |  | Contribution to total CPI (expressed as<br>All Groups index points) |                    |                 | Change between<br>Jun qtr 1990<br>and<br>Sep qtr 1990 |  |
|--|--|--------------------|--------------------|--|--|---|--------------------|-----------------|---|--|
|  | Sep<br>qtr<br>1989   | Jun<br>qtr<br>1990 | Sep<br>qtr<br>1990 | Jun qtr<br>1990 and<br>Sep qtr<br>1990 | Sep qtr<br>1989 and<br>Sep qtr<br>1990 | Jun<br>qtr<br>1990  | Sep<br>qtr<br>1990 | Jun qtr<br>1990 | Sep<br>qtr<br>1990                                    |  |
|  |  |                    |                    |  |  |   |                    |                 |   |  |
| <b>TRANSPORTATION</b>                  |  |                    |                    |  |  |   |                    |                 |   |  |
| Private motoring                       | 202.5  | 214.0              | 218.1              | 1.9                                    | 7.7                                    | 34.22   | 34.89              | 0.67            |   |  |
| Motor vehicles                         | 200.1  | 211.7              | 215.3              | 1.7                                    | 7.6                                    | 32.21   | 32.76              | 0.55            |   |  |
| Automotive fuel                        | 223.5  | 229.1              | 225.2              | -1.7                                   | 0.8                                    |   | 11.30              |                 | -0.19   |  |
| Vehicle insurance                      | 168.3  | 187.8              | 197.7              | 5.3                                    | 17.5                                   |   | 8.93               |                 | 9.40  |  |
| Motoring charges                       | 252.6  | 262.0              | 270.3              | 3.2                                    | 7.0                                    |   | 4.38               |                 | 4.52  |  |
| Tyres and tubes                        | 187.4  | 193.7              | 199.6              | 3.0                                    | 6.5                                    |   | 1.54               |                 | 1.59  |  |
| Vehicle serv. repairs & parts          | 162.3  | 167.9              | 167.9              | 0.0                                    | 3.5                                    |   | 0.46               |                 | 0.46  |  |
| Urban transport fares                  | 196.5  | 209.6              | 213.0              | 1.6                                    | 8.4                                    |   | 5.40               |                 | 5.49  |  |
|  | 228.7  | 236.1              | 249.8              | 5.8                                    | 9.2                                    | 2.01  | 2.13               | 0.12            |   |  |
| <b>TOBACCO AND ALCOHOL</b>             |  |                    |                    |  |  |   |                    |                 |   |  |
| Alcoholic drinks                       | 219.6  | 233.0              | 237.4              | 1.9                                    | 8.1                                    | 17.07   | 17.39              | 0.32            |   |  |
| Beer                                   | 201.3  | 210.9              | 215.0              | 1.9                                    | 6.8                                    | 11.99   | 12.22              | 0.23            |   |  |
| Wine                                   | 204.9  | 217.5              | 222.4              | 2.3                                    | 8.5                                    |   | 7.18               |                 | 7.34  |  |
| Spirits                                | 177.2  | 174.7              | 175.4              | 0.4                                    | -1.0                                   |   | 2.33               |                 | 2.34  |  |
| Cigarettes and tobacco                 | 204.0  | 218.4              | 223.6              | 2.4                                    | 9.6                                    |   | 2.48               |                 | 2.54  |  |
|  | 269.1  | 294.6              | 300.0              | 1.8                                    | 11.5                                   | 5.08  | 5.17               | 0.09            |   |  |
| <b>HEALTH AND PERSONAL CARE</b>        |  |                    |                    |  |  |   |                    |                 |   |  |
| Health services                        | 194.1  | 206.0              | 208.5              | 1.2                                    | 7.4                                    | 12.12   | 12.27              | 0.15            |   |  |
| Personal care products                 | 189.2  | 199.0              | 203.3              | 2.2                                    | 7.5                                    | 6.95  | 7.10               | 0.15            |   |  |
| Hairstressing services                 | 199.7  | 214.7              | 213.9              | -0.4                                   | 7.1                                    | 3.81  | 3.80               | -0.01           |   |  |
|  | 193.1  | 206.4              | 208.4              | 1.0                                    | 7.9                                    | 1.36  | 1.37               | 0.01            |   |  |
| <b>RECREATION AND EDUCATION(b)</b>     |  |                    |                    |  |  |   |                    |                 |   |  |
| Books - newspapers and magazines       | 166.6  | 176.4              | 177.2              | 0.5                                    | 6.4                                    | 22.12   | 22.22              | 0.10            |   |  |
| Recreational goods                     | 226.9  | 243.0              | 247.4              | 1.8                                    | 9.0                                    | 2.57  | 2.61               | 0.04            |   |  |
| Holiday travel and accomm.(b)          | 124.8  | 124.6              | 124.7              | 0.1                                    | -0.1                                   | 4.90  | 4.91               | 0.01            |   |  |
| Recreational services                  | 173.9  | 186.3              | 185.4              | -0.5                                   | 6.6                                    | 6.58  | 6.55               | -0.03           |   |  |
| Education and child care(b)            | 207.8  | 220.5              | 223.0              | 1.1                                    | 7.3                                    | 4.95  | 5.00               | 0.05            |   |  |
|  | 207.8  | 233.5              | 235.5              | 0.9                                    | 13.3                                   | 3.12  | 3.15               | 0.03            |   |  |
| <b>ALL GROUPS</b>                      | 197.0  | 207.4              | 208.9              | 0.7                                    | 6.0                                    | 207.4   | 208.9              | 1.5             |   |  |

(a) Base : December quarter 1986 = 100.0. (b) Base : March quarter 1982 = 100.0.

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

|  | Index numbers<br>(Base of each index:<br>Year 1980-81 = 100.0) |                    |                    | Percentage<br>Change between           |  | Contribution to total CPI (expressed as<br>All Groups index points) |                    | Change between<br>Jun qtr 1990<br>and<br>Sep qtr 1990 |              |
|--|--|--------------------|--------------------|--|--|---|--------------------|---|--------------|
|  | Sep<br>qtr<br>1989   | Jun<br>qtr<br>1990 | Sep<br>qtr<br>1990 | Jun qtr<br>1990 and<br>Sep qtr<br>1990 | Sep qtr<br>1989 and<br>Sep qtr<br>1990 | Jun<br>qtr<br>1990  | Sep<br>qtr<br>1990 | Jun qtr 1990  | Sep qtr 1990 |
| ALL GROUPS   | 197.0  | 207.4              | 208.9              | 0.7                                    | 6.0                                    | 207.4   | 208.9              |   | 1.5          |
| SPECIAL SERIES   |  |                    |                    |  |  |   |                    |   |              |
| All groups - excluding food  | 198.8  | 210.2              | 212.5              | 1.1                                    | 6.9                                    | 168.62  | 170.45             |   | 1.83         |
| All groups - excluding housing   | 193.4  | 202.9              | 204.5              | 0.8                                    | 5.7                                    | 174.65  | 176.03             |   | 1.38         |
| All groups - excl. home ownership  | 194.7  | 204.2              | 205.9              | 0.8                                    | 5.8                                    | 184.46  | 185.98             |   | 1.52         |
| Mortgage interest and consumer<br>credit charges (a)   | 143.3  | 154.5              | 154.9              | 0.3                                    | 9.6                                    | 21.11   | 21.17              |   | 0.06         |
| All groups excl. mortgage int.<br>and consumer credit charges (a)<br>and consumer credit charges (a) &<br>medical services | 120.2  | 126.0              | 127.0              | 0.8                                    | 5.7                                    | 186.28  | 187.78             |   | 1.50         |
| All groups - goods component (b)   | 197.7  | 208.1              | 209.6              | 0.7                                    | 6.0                                    | 202.40  | 203.86             |   | 1.46         |
| All groups - services comp. (c)  | 190.1  | 198.5              | 199.4              | 0.5                                    | 4.9                                    | 128.77  | 129.37             |   | 0.60         |
| Selected State and local govt.<br>charges (d)  | 212.0  | 226.2              | 229.0              | 1.2                                    | 8.0                                    | 78.62   | 79.58              |   | 0.96         |
| All groups - excl. selected State<br>and local govt. charges (d)   | 227.0  | 235.5              | 236.7              | 0.5                                    | 4.3                                    | 12.26   | 12.32              |   | 0.06         |
|  | 194.8  | 205.3              | 206.9              | 0.8                                    | 6.2                                    | 195.13  | 196.63             |   | 1.50         |

(a) Base : December quarter 1986 = 100.0. (b) 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. (c) The 'All groups, services component' comprises all items not included in the 'All groups, goods component'. (d) 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 vehicle 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 eleven 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:**

|                          |                     |
|--------------------------|---------------------|
| June quarter 1990:       | 207.4 (see Table 1) |
| less: Mar. quarter 1990: | 204.1 (see Table 1) |
| Change in index points:  | +3.3                |

$$\text{Percentage change} = \frac{+3.3}{204.1} \times 100 = +1.6\%$$

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 2.91 index points to the total All Groups index number of 197.0 for September quarter 1989. 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)*

**Next issue**

14. The Consumer Price Index - December quarter 1990 (6401.0) is scheduled to be released on Wednesday 13 February 1991.

**Symbols and other usages**

n.a. not available

r revised

**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.

**Electronic services**

DISCOVERY Key \*656# for selected current economic, (VIATEL). social and demographic statistics.

**AUSSTATS.** Thousands of up-to-date time series are available on this ABS on-line service through PAXUS COMNET. For further information phone the AUSSTATS Help Desk on (06) 252 6017.

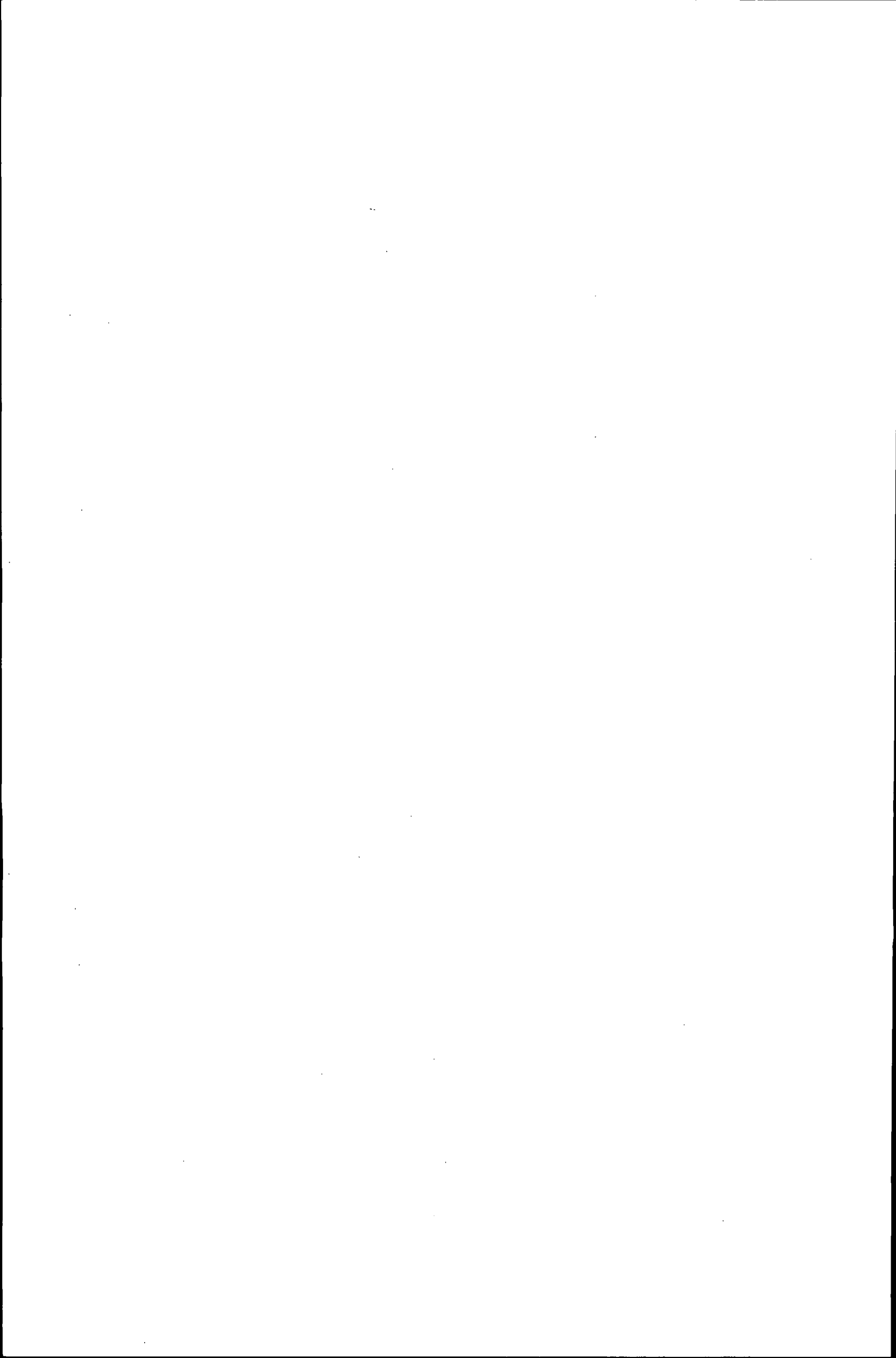
**TELESTATS.** This service provides:

- foreign trade statistics tailored to users' requirements. Further information is available on (06) 252 5404.
- text and tables for selected Main Economic Indicator publications. Further information is available on (06) 252 5405.

**Floppy disk service**

Selected ABS statistics are available on floppy disk. Further information is available on (06) 252 6684.

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.





# Important Message for Subscribers

We would like to remind subscribers that this is the **last issue** of the CPI to be released in 1990.

The December Quarter 1990 edition of the CPI will be released in February 1991, as part of the 1991 subscription year.

To ensure you receive the next edition, together with all others released in 1991, you will need to make sure that your subscription is current at 1 January 1991.

Subscription renewal invoices for the 1991 year have been recently sent out to all subscribers (green forms containing computer printout). These need to be completed and returned as soon as possible so that we can process your 1991 renewal in time for the start of the subscription year.

If you have any inquiries regarding your subscription, or simply wish to arrange a subscription by telephone, call our Subscription Services section on

**008 02 06 08**

**toll free Australia-wide**

