



VICTORIAN YEAR BOOK

1992



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VICTORIAN YEAR BOOK 1992

Number 105

**VICTORIAN
YEAR BOOK
1992**

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DEPUTY COMMONWEALTH STATISTICIAN**

**AUSTRALIAN BUREAU OF STATISTICS
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Preface

As each year passes, more and more emphasis is placed on the provision of client tailored information solutions to support informed decision making, research and discussion within governments and the community generally. This has resulted in a proliferation of ways and means of presenting statistical information and an increased need for the Australian Bureau of Statistics to spend more time with clients, understanding their requirements and working together to achieve the best solution.

In parallel with the above, and as a consequence of developments in technology, there has evolved an increasing demand for greater consistency between data collection agencies, so that the most effective information solution can be achieved. The Australian Bureau of Statistics is spending proportionally more time attempting to achieve such consistency through the development of suitable statistical classifications, better co-ordination of government statistical activities and the promotion of statistical standards.

The above fields of endeavour presently attract a high priority. At the same time, the national and individual State year books continue to be very popular general references to key economic and social statistics. They provide a valuable gateway to the extensive data holdings of the ABS, and in some cases other organisations.

The *Victorian Year Book* has provided a gateway to information about Victoria since 1873. In its own right it represents an authoritative statistical record of Victoria's development.

Year Books are not easy to produce. They represent a lot of effort by the various respondents to censuses and surveys, the people who process and collate the information and the people involved in the preparation of the final product. I wish to thank all these contributors for their part in enabling this *Year Book* to be produced.

I have much pleasure in introducing the 1992 edition of the *Victorian Year Book*. I wish to remind readers that the Australian Bureau of Statistics also produces the ABS Catalogue of Publications and Products (Catalogue 1101.0), which will be of assistance when seeking further statistical information.

R.A CROCKETT
Deputy Commonwealth Statistician
March 1992

General Information

| | |
|---|--|
| Symbols | <p>The following symbols mean:</p> <ul style="list-style-type: none">cr. creditdr. debitn.a. not availablen.e.c. not elsewhere classifiedn.e.i. not elsewhere includedn.e.s. not elsewhere specifiedn.p. not available for publication, but included in totals where applicablen.y.a. not yet availablep preliminary - figure or series subject to revisionr figure or series revised since previous issue.. not applicable- nil or rounded down to zero— break in continuity of series (where a line is drawn across a column between two consecutive figures)* subject to sampling variability too high for most practical purposes <p>M, males; F, females; T, total</p> |
| Other forms of usage | <p>The following abbreviations are used for the titles of the Australian States and Territories and Australia: NSW (New South Wales), Vic. (Victoria), Qld (Queensland), SA (South Australia), WA (Western Australia), Tas. (Tasmania), NT (Northern Territory), ACT (Australian Capital Territory), and Aust. (Australia).</p> <p>Yearly periods shown as, e.g. 1990 refer to the year ended 31 December 1990. Those shown as, e.g. 1989-90 refer to the year ended 30 June 1990. Other yearly periods are specifically indicated.</p> <p>Values are shown in Australian dollars (\$) or cents (c) unless another currency is specified.</p> <p>All data are presented in metric terms.</p> <p>Where figures have been rounded, discrepancies may occur between sums of the component items and totals.</p> |
| Availability of ABS publications | <p>The Victorian Office of the Australian Bureau of Statistics (ABS) maintains an Information Consultancy Service, which provides advice on what products are available to best meet users needs, as well as a library in which all publications of the ABS are available for reference. Business people, government officers, students, and members of the public are invited to make use of these services.</p> <p>Information regarding the availability of ABS publications can be obtained from the Information Services Section, Australian Bureau of Statistics, Box 2796Y, G.P.O., Melbourne, 3001, phone (03) 615 7000. All publications issued by the ABS are contained in the <i>Catalogue of Publications, Australia</i> (1101.0) which is available from any ABS Office.</p> |

Victoria: An Environmental Overview



The health of the environment in which we live, and will pass on to our children, is of major concern to members of the Victorian community. In October 1990, the Australian Bureau of Statistics conducted a household survey in Victoria, which gathered information about the community's participation in energy conservation and its level of concern about environmental issues. Only 3 per cent of Victorian households said that they were not concerned about environmental problems. This chapter presents information, drawn from a wide range of sources, about those environmental issues that are of greatest concern to the Victorian community.

WILDLIFE CONSERVATION

Victoria's natural environment has changed considerably since European settlement. In just 40 years, between 1866 and 1906, the percentage of Victorian land being used for agriculture increased from 12 per cent to 61 per cent, with major consequences for the State's native flora and fauna. More than two-thirds of Victoria's tree cover has disappeared since European settlement, and by 1989 only 6 per cent of privately owned land carried natural vegetation. Almost one-third of Victoria's native plants are either threatened with extinction (815 species) or have already been lost (36 species) from the State. Victoria's native animals have also been severely depleted: 26 vertebrate species have disappeared from the state entirely, and of those remaining, one in five is threatened with extinction. More than 80 per cent of freshwater fish originally found within Victoria are either threatened or extinct, while the corresponding proportion for mammals, and reptiles and amphibians, is approximately 40 per cent.

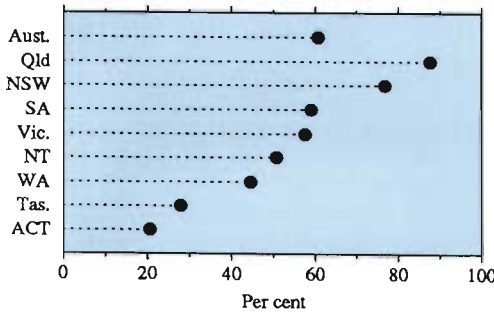
TABLE 1 NUMBER OF PLANTS AND ANIMALS EXTINCT OR THREATENED IN VICTORIA, 1991

| <i>Status in Victoria</i> | <i>Vertebrate animals (excluding marine fish)</i> | | | | <i>Total</i> | <i>Vascular plants</i> |
|---|---|--------------|--------------------------------|-------------------------|--------------|------------------------|
| | <i>Mammals</i> | <i>Birds</i> | <i>Reptiles and amphibians</i> | <i>Fresh water fish</i> | | |
| Rare (a) | 15 | 29 | 32 | 18 | 94 | 390 |
| Vulnerable | 2 | 18 | 11 | 6 | 37 | 315 |
| Endangered | 9 | 9 | 8 | 4 | 30 | 110 |
| Total threatened | 26 | 56 | 51 | 28 | 161 | 815 |
| Extinct | 20 | 2 | 2 | 2 | 26 | 36 |
| Percentage of species in Victoria at settlement now threatened or extinct | 41 | 12 | 37 | 88 | 25 | 39 |

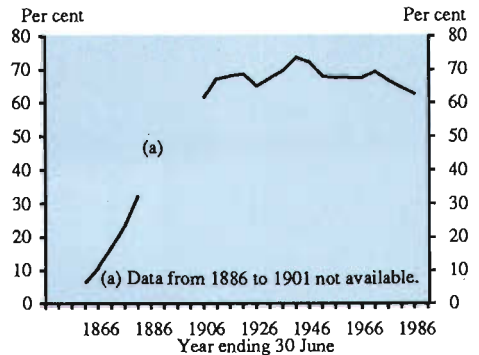
(a) Includes vertebrate taxa believed to be threatened but whose exact status is unknown.

Sources: List of threatened fauna in Victoria, Department of Conservation & Environment; *Rare or threatened plants in Victoria*, P.K.Gullan, D.C.Cheal, & N.G.Walsh, Department of Conservation & Environment, 1990; *Atlas of Victoria*, ed. J.S. Duncan, Victorian Government, 1982.

PERCENTAGE OF LAND USED FOR AGRICULTURAL PURPOSES, AUSTRALIA, STATES AND TERRITORIES, MARCH 1989



PERCENTAGE OF LAND USED FOR AGRICULTURAL PURPOSES, VICTORIA, 1860-61 TO 1985-86



Loss of Species - Causes

Although many different factors have led to the depletion of Victoria's native flora and fauna, habitat loss is probably the most significant. For example, Victoria's native grasslands and grassy woodlands, once widespread in western Victoria, were considered ideal for livestock by early settlers. Heavy grazing by stock (and European rabbits) led to a deterioration in both plant species and vegetation cover, followed by soil erosion and, ultimately, conversion to non-native pastures and crop land. Although it is difficult to document the extent of the loss, as "grasses" still cover the area, the impact on the State's fauna was immense. Of the 24 land animals that have become extinct within Victoria since European settlement, 22 originally made their home in the State's grasslands.

Habitat deterioration and loss is still occurring today, and the destruction of wetland habitats is currently of considerable concern. Apart from many of the State's wetlands being drained (for example, 60 per cent of fresh water marshes - see Table 3), rising salinity levels and pollution from agricultural runoff are major problems. Water storage dams have altered the flooding regime of many wetlands, particularly those along the Murray River, affecting both plant and animal species. In fact, of the 32 species of fresh-water fish currently living in Victorian waters, 28 are under threat of extinction. In an attempt to prevent further loss of wetland habitat, the Department of Conservation and Environment (DCE) has established a Wetlands Conservation Program, a function of which includes evaluating all wetlands within the State, raising community awareness, and educating and assisting private land owners.

The introduction into Victoria of non-Australian plants and animals has created another major threat to the State's wildlife. Currently, there are 980 species of non-native plant, 17 species of mammal, 14 birds, 11 fish and a wide range of non-native invertebrate animals naturalised within Victoria. These species not only compete with native wildlife, but can cause considerable damage to natural habitats (such as the erosion caused by rabbits) and severely deplete animal populations through predation.

TABLE 2 NUMBER OF PLANTS THREATENED OR EXTINCT BY HABITAT TYPE, VICTORIA, 1987

| Status in Victoria | Mountain forests | Mallee | Shrubby open forests & heathland | Grasslands & grassy woodland | Sub-alpine bogs, herbfields & woodlands |
|-------------------------------|------------------|-----------|----------------------------------|------------------------------|---|
| Rare (incl. status uncertain) | 4 | 13 | 49 | 5 | 39 |
| Vulnerable | 2 | 15 | 23 | 13 | 9 |
| Endangered | - | 11 | 6 | 20 | 3 |
| Total | 6 | 39 | 78 | 38 | 51 |
| Extinct | - | 3 | 6 | 1 | 2 |

Source: *Nature Conservation in Victoria*, Study Report, D. Frood & M. Calder, School of Botany, University of Melbourne, 1987

TABLE 3 WETLAND TYPES: ESTIMATED AREA IN 1982, PERCENTAGE CHANGE IN AREA SINCE EUROPEAN SETTLEMENT, AND OWNERSHIP, VICTORIA

| <i>Wetlands in survey region</i> | <i>Fresh water meadow</i> | <i>Fresh water marsh</i> | <i>Permanent open fresh water</i> | <i>Semi permanent saline</i> | <i>Permanent saline</i> | <i>Sewerage or salt evapora. basin</i> | <i>Total wetland area</i> |
|----------------------------------|---------------------------|--------------------------|-----------------------------------|------------------------------|-------------------------|--|---------------------------|
| East Gippsland (ha) | - | 554 | 28 | 190 | 4,817 | - | 5,589 |
| Percentage change | - | - | - | - | - | - | - |
| Gippsland lakes (ha) | 320 | 14,960 | 16,920 | 14,770 | 24,750 | 320 | 72,040 |
| Percentage change | 45 | -48 | 958 | 1 | - | n.a. | 3 |
| South Gippsland (ha) | - | 570 | 1,720 | 4,970 | 68,700 | 5 | 75,965 |
| Percentage change | - | -99 | n.a. | 1 | - | n.a. | -33 |
| Far SW Victoria (ha) | 5,584 | 14,846 | 9,064 | 385 | 871 | 9 | 30,759 |
| Percentage change | -3 | -73 | 390 | 20 | - | n.a. | -52 |
| Hopkins Basin (ha) | 10,329 | 8,959 | 4,662 | 3,906 | 2,585 | 10 | 30,451 |
| Percentage change | -46 | -64 | 33 | -11 | 6 | n.a. | -44 |
| Western Victoria (ha) | 2,410 | 4,860 | 16,100 | 8,080 | 37,200 | 3,860 | 72,510 |
| Percentage change | -22 | -71 | 15 | 23 | -17 | n.a. | -15 |
| Wimmera region (a) (ha) | 14,985 | 32,731 | 38,333 | 6,181 | 5,348 | 17 | 97,595 |
| Percentage change | 16 | -24 | 60 | -1 | - | n.a. | +6 |
| Goulburn & Broken R. (a) (ha) | 2,954 | 10,915 | 625 | - | - | 364 | 15,858 |
| Percentage change | -55 | -2 | 47 | - | - | n.a. | -14 |
| Victoria (b) (ha) | 36,582 | 88,391 | 87,452 | 38,482 | 144,271 | 4,585 | 399,763 |
| Percentage change | -33 | -60 | 93 | 4 | -5 | n.a. | -22 |

OWNERSHIP OF WETLANDS

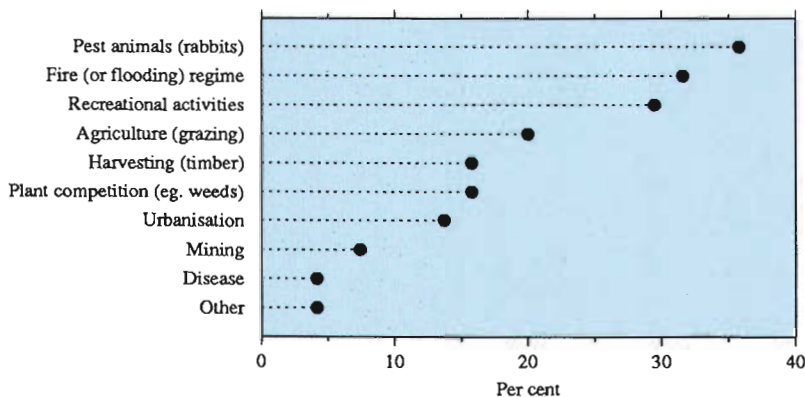
| Number of wetlands in Victoria | 1,141 | 1,576 | 682 | 380 | 92 |
|--------------------------------|----------|-------|-----|-----|----|
| | Per cent | | | | |
| Privately owned | 95 | 75 | 79 | 79 | 18 |
| State owned | 5 | 25 | 21 | 21 | 82 |
| not reserved | 4 | 19 | 19 | 16 | 52 |
| reserved for conservation | 1 | 6 | 2 | 5 | 30 |

(a) Data for region incomplete

(b) Victorian total based on regions surveyed only.

Source: Adapted from Victoria's Inland Waters, State of the Environment Report 1988, Office of the Commissioner for the Environment

RARE AND THREATENED PLANTS WHOSE THREATS HAVE BEEN DOCUMENTED: PERCENTAGE THREATENED BY SELECTED FACTORS, (a) VICTORIA, 1991



(a) A single plant species can be threatened by more than one factor.

Source: The Victorian Rare and Threatened Plant Database, Department of Conservation and Environment, Sept. 1991

TABLE 4 NATURE CONSERVATION RESERVES: AREA AND PERCENTAGE OF TOTAL LAND AREA, BY STATE OR TERRITORY, 1988

| State or Territory | Total area (sq km) | Nature conservation reserve (sq km) | Percentage of State reserved | | | |
|------------------------------|--------------------|-------------------------------------|------------------------------|------------|------------|------------|
| | | | 1968 | 1977 | 1984 | 1988 |
| New South Wales | 801,600 | 38,122 | 1.1 | 2.3 | 4.2 | 4.8 |
| Victoria | 227,600 | 18,300 | 0.9 | 1.0 | 5.6 | 8.0 |
| Queensland | 1,727,200 | 36,638 | 0.6 | 0.7 | 2.4 | 2.1 |
| South Australia | 984,000 | 111,172 | 1.2 | 3.2 | 4.6 | 11.3 |
| Western Australia | 2,525,500 | 152,522 | 0.5 | 1.5 | 5.6 | 6.0 |
| Tasmania | 67,900 | 9,670 | 4.2 | 9.9 | 13.9 | 14.3 |
| Northern Territory | 1,346,200 | 40,236 | 3.5 | 3.7 | 1.5 | 3.0 |
| Australian Capital Territory | 2,400 | 1,122 | 1.9 | 4.1 | 30.2 | 46.8 |
| Australia | 7,682,400 | 407,809 | 1.2 | 2.1 | 3.9 | 5.3 |

Source: *Nature Conservation Reserves in Australia*, Occasional papers: No. 10 J.L. Wilson (ed.), 1984 & No. 19 C.J. Mobbs (ed.), 1988, Australian National Parks and Wildlife Service

Conservation Reserves

The amount of land dedicated to conservation reserves in Victoria has been increasing steadily in recent years: between 1981 and 1991 the area of Victoria's National and Other Parks increased more than three-fold (Table 5). In June 1991, almost 3 million hectares, or 12.4 per cent of Victoria, was reserved, and 85 per cent of this reserved land was designated National Park - the highest level of protection offered within the State. However, a study commissioned by the Victorian National Parks Association in 1987 found that a number of Victorian habitat types were not represented within the State's reserves. Those plant communities most urgently in need of protection included lowland grasslands and grassy woodlands, mallee communities, and the plant communities of wetlands, lower altitude snowplains and montane bogs and plateaus.

Due to the complexity of natural ecosystems, simply designating an area a National Park does not guarantee the preservation of its wildlife. Isolated patches of native vegetation, which is often all that remains of a particular habitat type, are subject to many problems. Because the movement of wildlife into and out of the park is curtailed, the genetic diversity of the species contained within the reserve becomes reduced, and if localised extinctions take place due to bushfire or disease, recolonization from surviving populations cannot occur. Small isolated patches of natural vegetation are also prone to invasion by weeds and introduced animals and support fewer species than areas of equivalent size within continuous habitat.

TABLE 5 NUMBER AND AREA OF NATIONAL AND OTHER PARKS IN VICTORIA, 1981 TO 1991

| Year ended | National Parks | | Other parks(a) | | Other reserves | Total |
|------------|----------------|---------|----------------|---------|----------------|---------|
| | No. | '000 ha | No. | '000 ha | '000 ha | '000 ha |
| 30 June | | | | | | |
| 1981 | 28 | 497.8 | 27 | 294.5 | 1.1 | 793.4 |
| 1982 | 30 | 685.8 | 27 | 298.1 | 1.2 | 985.1 |
| 1983 | 30 | 685.8 | 27 | 298.1 | 1.6 | 985.5 |
| 1984 | 31 | 853.4 | 27 | 298.6 | 0.9 | 1,153.0 |
| 1985 | 31 | 853.5 | 27 | 298.6 | 2.5 | 1,154.5 |
| 1986 | 30 | 960.3 | 35 | 325.3 | 50.8 | 1,336.5 |
| 1987 | 30 | 975.4 | 37 | 331.8 | 50.7 | 1,357.9 |
| 1988 | 30 | 1,073.6 | 47 | 459.7 | 50.9 | 1,584.1 |
| 1989 | 33 | 1,240.1 | 45 | 443.9 | 51.2 | 1,735.2 |
| 1990 | 31 | 1,526.2 | 46 | 432.2 | 51.3 | 2,009.6 |
| 1991 | 32 | 2,390.7 | 45 | 380.4 | 51.4 | 2,822.5 |

(a) Includes Wilderness Parks, State Parks and other Schedule 3 parks.

Source: Annual Reports on the National Parks Act, Department of Conservation and Environment.

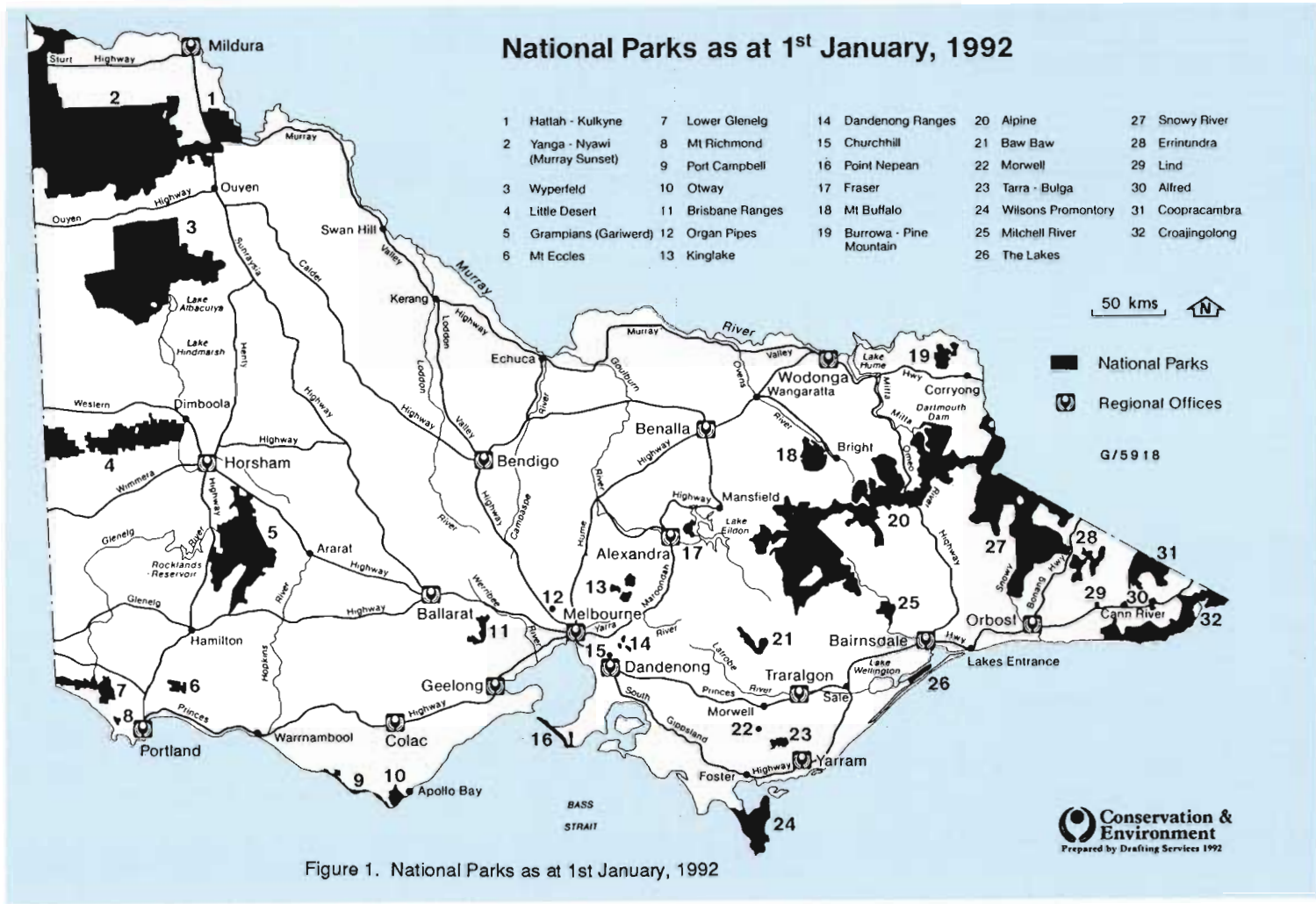
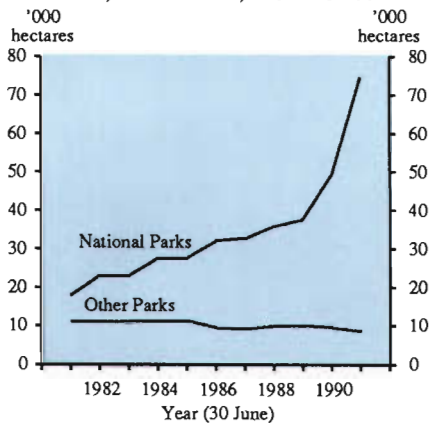


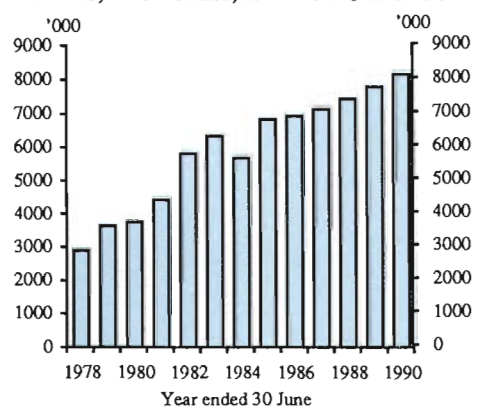
Figure 1. National Parks as at 1st January, 1992

AVERAGE SIZE OF NATIONAL AND OTHER PARKS, VICTORIA, 1981 TO 1991



Source: Annual Reports on the National Parks Act, Department of Conservation and Environment

DAY VISITORS TO NATIONAL AND OTHER PARKS, VICTORIA, 1977-78 TO 1989-90



Source: Annual Reports on the National Parks Act, Department of Conservation and Environment

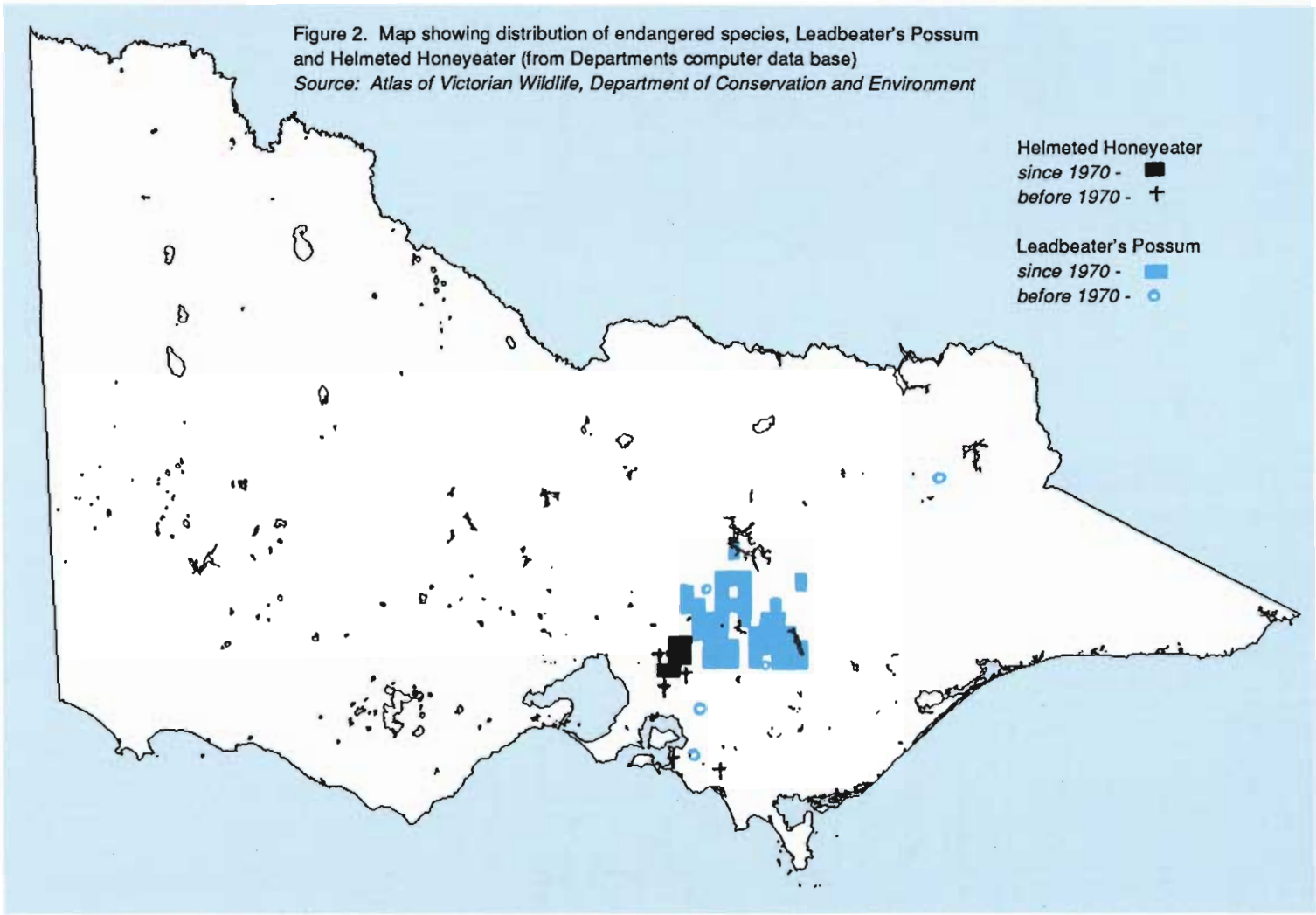
Effective park management, including the maintenance of appropriate fire regimes, is also important for species conservation. Some plant communities such as heathlands, lose species diversity in the absence of fire, while others such as rainforest, take long periods to recover after burning. Although many of Victoria's native plants require fire for seed germination, these species are quickly eliminated if burnt too frequently. Similarly, different animal species prefer different stages of habitat regeneration; some thrive best in plant communities at the early stages of regrowth, while others require mature vegetation for their survival. Tourism can also have an impact upon wildlife. In 1986, an ABS survey revealed that almost one-third of all Victorians over the age of 15 had visited a National Park during the preceding 12 months, and in 1989-90, there were more than 9 million visitors to Victorian parks. The provision of facilities for these visitors, and the recreational activities that they pursue can have adverse effects. For example, of the 68 bushfires which occurred within Victorian parks during 1989-90, 9 began as campfires and 26 were lit deliberately by members of the public.

Unique Victorians

Considerable effort is being expended, by all levels of the community, to save Victoria's endangered wildlife. The type of work being undertaken to save individual species can be appreciated by looking at just a couple of examples; Victoria's two faunal emblems, the Helmeted Honeyeater and the Leadbeater's Possum. Both these animals are unique to Victoria, and both are highly endangered.

The Helmeted Honeyeater (*Lichenostomus melanops cassidix*) is an attractive yellow-crested bird which once lived in stream-side vegetation throughout western Gippsland. Clearing for agriculture affected its numbers severely and by the 1960's only one population, comprised of about 250 birds, survived. The Yellingbo State Nature Reserve was declared (in 1965) to protect this population, but numbers continued to dwindle and by 1988 only 40 breeding birds remained. In 1989, with the aid of a special grant provided in the State budget, an advisory group comprised of representatives from DCE, the Zoological Board of Victoria, La Trobe University and conservation groups, was set up to devise a strategy for saving the Helmeted Honeyeater. Since that time the honeyeater's population has been intensively monitored to identify factors affecting the bird's survival and breeding success. The information gained has led to supplementary food being provided during the winter and the management of competing Bell Miners (bellbirds). Additional habitat is being provided for the honeyeaters through a revegetation program; 90,000 trees and shrubs (propagated from seed collected in the Yellingbo reserve) have been planted. The community group "Friends of the Helmeted Honeyeater" provides direct assistance to local land owners wishing to restore such vegetation. A captive breeding colony of Helmeted Honeyeaters

Figure 2. Map showing distribution of endangered species, Leadbeater's Possum and Helmeted Honeyeater (from Departments computer data base)
Source: Atlas of Victorian Wildlife, Department of Conservation and Environment



has been established at Healesville Sanctuary to provide birds for release into the wild and to ensure the species' survival in the event of a natural disaster (such as bushfire) befalling the wild population. Research into the genetic composition of the honeyeater population is also taking place to ensure diversity is maintained.

For many years the Leadbeater's Possum (*Gymnobelideus leadbeateri*), known only from a few specimens collected early in the century, was believed to be extinct. However in 1961 it was rediscovered in the mountain ash forests of Victoria's central highlands. This small possum cannot survive without large, old (more than 150 years of age), hollow-bearing trees in which to nest, and it is this fact which has led to considerable debate about the impact of timber harvesting. During 1989-90, DCE provided \$200,000 to fund a research and management program for the Leadbeater's Possum. Work on the program will include the mapping of the distribution and density of hollow-bearing trees in the central highlands to define conservation zones, assessment of how the possum utilises trees of different age and structure in its daily activities, and integration of data on the possum's range and habitat requirements into forest management planning.

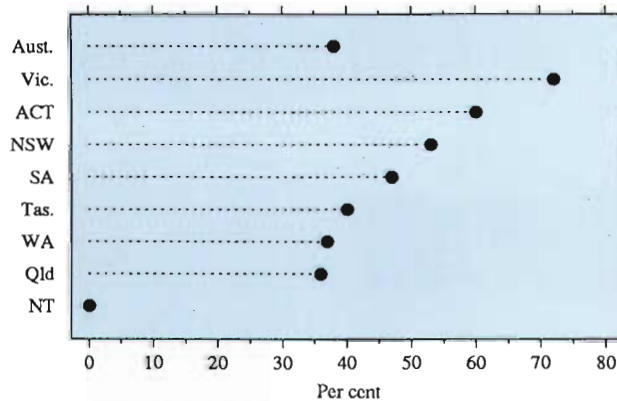
DEFORESTATION

Currently Victoria has 5.4 million hectares of native forest. Eighty-nine per cent of this treed land (or 4.8 million hectares) is publicly owned, and almost one-third is protected in National Parks and reserves. By comparison, only one-sixth of all forests in Australia enjoy such protection (Table 7). Although Victoria comprises only 3 per cent of Australia's land mass, it carries 13 per cent of Australia's native forests and produces 30 per cent of the nation's total hardwood forest products (timber, pulpwood, etc.).

The clearing of forests and woodland, or *deforestation*, is an issue of growing concern to the community. An ABS survey conducted in 1990 revealed that two-thirds of Victorian households were concerned about deforestation, with the proportion rising to three-quarters among those aged between 25 and 44 years. Four years earlier, an ABS survey revealed that only one-sixth of Victorians were concerned about the loss of forests.

Deforestation can have a very significant impact upon the environment. Because trees absorb large amounts of water, deforestation can lead not only to a rise in the underground water table (causing soil salinity), but also increases surface water runoff, which in turn results in flooding, leaching of soil nutrients, soil erosion, and siltation of waterways and water storage facilities. Forests also provide an essential refuge for many species of native animals and plants and act as a major sink for carbon dioxide - one of the main greenhouse gases.

PERCENTAGE DECLINE IN FOREST AND WOODLAND COVER SINCE EUROPEAN SETTLEMENT, BY STATE OR TERRITORY, 1984



Source: *State of the Environment: Source Book*,
Department of Arts, Heritage and Environment, 1986

TABLE 6 ESTIMATED DECLINE IN FOREST AND WOODLAND COVER, STATES, TERRITORIES AND AUSTRALIA

| | <i>NSW</i> | <i>Vic.</i> | <i>Qld</i> | <i>SA</i> | <i>WA</i> | <i>Tas.</i> | <i>NT</i> | <i>ACT</i> | <i>Aust.</i> |
|--------------------------------------|------------|--------------|------------|-----------|-----------|-------------|-----------|------------|--------------|
| Forest cover - | | | | | | | | | |
| Prior to European settlement | | | | | | | | | |
| '000 ha | 15,739 | 8,591 | 35,544 | 213 | 2,030 | 3,218 | 4,741 | 146 | 70,222 |
| % of state | 19.6 | 37.7 | 20.6 | 0.2 | 0.8 | 47.1 | 3.5 | 59.1 | 9.1 |
| Current (a) | | | | | | | | | |
| '000 ha | 4,725 | 2,857 | 18,704 | 72 | 1,049 | 1,696 | 4,733 | 65 | 33,852 |
| % of state | 5.9 | 12.6 | 10.8 | 0.1 | 0.4 | 24.8 | 3.5 | 26.3 | 4.4 |
| Percentage of original forest lost | | | | | | | | | |
| | 70.0 | 66.7 | 47.4 | 66.2 | 48.3 | 47.3 | 0.2 | 55.5 | 51.8 |
| Woodland cover - | | | | | | | | | |
| Prior to European settlement | | | | | | | | | |
| '000 ha | 45,776 | 7,709 | 48,283 | 5,432 | 34,565 | 2,110 | 29,610 | 93 | 173,657 |
| % of state | 57.1 | 33.9 | 27.9 | 5.5 | 13.7 | 30.9 | 21.9 | 37.7 | 22.6 |
| Current (a) | | | | | | | | | |
| '000 ha | 24,592 | 1,868 | 35,009 | 2,979 | 21,751 | 1,344 | 29,689 | 31 | 117,266 |
| % of state | 30.7 | 8.2 | 20.3 | 3.0 | 8.6 | 19.7 | 21.9 | 12.6 | 15.2 |
| Percentage of original woodland lost | | | | | | | | | |
| | 46.3 | 75.8 | 27.5 | 45.2 | 37.1 | 36.3 | 0.0 | 66.7 | 32.5 |

(a) 'Current' cover is mid point between the maximum and minimum cover estimated by source.

Source: Adapted from *State of the Environment: Source Book*, Department of Arts, Heritage and Environment, 1986.

TABLE 7 OWNERSHIP OF FORESTS, BY STATES, TERRITORIES AND AUSTRALIA, 1990

| <i>Ownership</i> | <i>NSW</i> | <i>Vic.</i> | <i>Qld</i> | <i>SA (a)</i> | <i>WA</i> | <i>Tas.</i> | <i>NT</i> | <i>ACT</i> | <i>Aust.</i> |
|--------------------------|---------------|--------------|-----------------|---------------|--------------|--------------|---------------|----------------|---------------|
| Native forest - | | | | | | | | | |
| Public (per cent) | 65.3 | 88.8 | 87.4 | - | 81.3 | 76.6 | 25.7 | 100.0 | 73.4 |
| - conserv. reserve | 14.9 | 31.1 | 11.3 | - | 12.1 | 11.5 | 9.7 | 82.4 | 15.2 |
| - other | 50.4 | 57.7 | 76.1 | - | 69.2 | 65.1 | 16.0 | 17.6 | 58.3 |
| Private (per cent) | 34.7 | 11.2 | 12.6 | - | 18.7 | 23.4 | 74.3 | - | 26.6 |
| Total ('000 ha) | 14,959 | 5,400 | 11,796 | - | 2,657 | 2,843 | 3,266 | 51 | 40,972 |
| Coniferous plantations - | | | | | | | | | |
| Public (per cent) | 72.4 | 51.7 | n.a. | 72.4 | 79.8 | 55.9 | n.a. | n.a. | 72.5 |
| Private (per cent) | 27.6 | 48.3 | n.a. | 27.6 | 20.2 | 44.1 | n.a. | n.a. | 27.5 |
| Total ('000 ha) | 248.2 | 204.9 | 167.0(b) | 95.3 | 87.8 | 68.0 | 4.2(c) | 16.5(b) | 891.8 |
| Hardwood plantations - | | | | | | | | | |
| Public (per cent) | 89.9 | 53.8 | n.a. | n.a. | 33.7 | 17.4 | n.a. | n.a. | 52.7 |
| Private (per cent) | 10.1 | 46.2 | n.a. | n.a. | 66.3 | 82.6 | n.a. | n.a. | 47.3 |
| Total ('000 ha) | 27.7 | 17.9 | n.a. | 1.0(b) | 14.8 | 23.0 | 0.2(c) | 0.1(b) | 84.6 |

(a) South Australia does not support forest as defined by the Resource Assessment Commission's Forest Resource Survey.

(b) Excludes privately owned plantations.

(c) Excludes publicly owned plantations.

Source: Adapted from *Forest and Timber Inquiry Draft Report*, Resource Assessment Commission, 1991

History of deforestation

Since settlement by Europeans, Victoria has lost two-thirds of its forests and three-quarters of its woodland (Table 6). It is estimated that 72 per cent of Victoria was once treed; now the proportion is 21 per cent. This loss is greater than that sustained by any other Australian state. The highest rates of deforestation occurred during the nineteenth century when large tracts of land were opened up for agriculture. The gold-rush of the 1850s created a huge demand for building materials and fuel, leading to the felling of stringy-bark forests throughout the gold-fields. In the 1870s, legislation was introduced requiring land selectors to clear and fence land to maintain tenure; forests in the Otways, Gippsland and the Mallee were severely affected. Timber harvesting increased considerably during the twentieth century. Between 1931 and 1955 the quantity of saw-logs removed from Victoria's forests increased seven-fold, before peaking in 1957 at 1.4 million cubic metres. Saw-log extraction from public forests has since decreased to approximately 1 million cubic metres per year. However, pulpwood extraction has been increasing steadily over the last 40 years, reaching 0.5 million cubic metres during the late 1980s.

Current threats

Over the last 120 years, more than 1,000 sq. kms. of Victorian forest have disappeared every year. However current deforestation rates are much lower; between 1972 and 1987 the loss was 120 sq. km. annually. More than ninety-five per cent of forest lost during this 15 year period was cleared from privately owned land. Despite intensive publicity campaigns and restrictions imposed by many local councils, the clearing of native vegetation from private land continues to be a major threat. In 1989, when only 6 per cent of the State's privately owned land carried natural vegetation (amounting to 600,000 hectares of forest), the State Government introduced a state-wide planning scheme requiring land-owners to obtain a permit to clear more than ten hectares of their land.

The harvesting of forests for timber need not result in deforestation, provided that the areas felled are re-afforested, and that sustainable yields are not exceeded; that is, the amount of wood removed is no greater than that replaced by forest growth. Timber is an exceedingly valuable resource, being both totally renewable and energy-efficient to produce. The energy required to produce one tonne of building materials has been estimated at 1,800 kiloWatt hours (kwh) for timber, 2,200 kwh for concrete, 13,200 kwh for steel, 45,000 kwh for plastic and 91,000 kwh for aluminium. As in the past, timber production is currently an important function of Victoria's State Forests. Two-thirds of the timber used by the Victorian community is harvested from within the State, and the Victorian timber industry provides both Government revenue (\$53 million in timber royalties in 1989-90) and direct employment for 7,400 people (Table 9). Each year approximately 150 sq. km. of State-owned native forest is harvested; in 1989-90 1.06 million cubic metres of saw-logs and 0.54 million cubic metres of pulpwood were produced. After harvesting, this land (0.5 per cent of all unreserved State forests) is regenerated. However, there is considerable debate over whether this level of harvesting is sustainable in the long-term. Plantation forests, of which there are currently 0.2 million hectares, are likely to play a much greater role in the State's future timber production.

TABLE 8 NATIVE FORESTS: AREA AND PROPORTION NEVER LOGGED, BY FOREST TYPE, VICTORIA, 1991

| Forest type | State forest | | Conservation reserve | | All public forest | |
|--------------------------|--------------|---------------------|----------------------|---------------------|-------------------|---------------------|
| | '000 ha | Percentage unlogged | '000 ha | Percentage unlogged | '000 ha | Percentage unlogged |
| Southern rainforest | 10 | 73 | 1 | - | 11 | 67 |
| Swamp forest | - | - | 2 | 48 | 2 | 48 |
| SE dry eucalypt forest | - | - | 10 | - | 10 | - |
| SE wet eucalypt forest | 2,899 | 35 | 981 | 57 | 3,880 | 41 |
| SE coast eucalypt forest | 210 | 57 | 212 | 44 | 422 | 50 |
| River red gum forest | - | - | 35 | 51 | 35 | 51 |
| Dry woodland | 3 | - | 102 | 47 | 105 | 46 |
| Total | 3,122 | 37 | 1,343 | 54 | 4,465 | 42 |

Source: *Forest and Timber Inquiry Draft Report*, Resource Assessment Commission, 1991

Other threats to Victoria's forests include the root-rot fungal diseases, *Phytophthora cinnamomi* and *Armillaria luteobubalina*, responsible for forest 'die back'. Bush fires can also damage forests, particularly young regrowth forests and fire-sensitive forest types such as rainforest and mountain ash. However improved fire-fighting equipment and techniques coupled with widespread fuel-reduction burning have gone a long way toward eliminating devastating forest fires such as those which swept the State in 1939.

TABLE 9 NUMBER OF PEOPLE EMPLOYED IN THE WOOD AND PAPER PRODUCTION INDUSTRIES, VICTORIA, 30 JUNE 1980 TO 1989

| Year (30 June) | Log saw-milling (ASIC 2531) | Resawn & dressed timber (ASIC 2532) | Veneer & manufact. board (ASIC 2533) | Paper, pulp & paper board (ASIC 2631) | Total |
|-------------------|-----------------------------------|---|--|---|-------|
| 1980 | 2,556 | 1,696 | 862 | n.a. | n.a. |
| 1981 | 2,507 | 1,905 | 782 | 3,570 | 8,764 |
| 1982 | 2,288 | 1,914 | 831 | 2,688 | 7,721 |
| 1983 | 2,036 | 1,830 | 824 | n.a. | n.a. |
| 1984 | 2,036 | 1,842 | 911 | 2,671 | 7,460 |
| 1985 | 2,011 | 1,931 | 967 | 2,803 | 7,712 |
| 1986 | n.a. | n.a. | n.a. | n.a. | n.a. |
| 1987 | 2,234 | 1,629 | 961 | 2,203 | 7,027 |
| 1988 | 2,278 | 1,600 | 860 | 2,356 | 7,094 |
| 1989 | 2,221 | 1,211 | 968 | 3,011 | 7,411 |

DEGRADATION OF AGRICULTURAL LAND

Although state-wide data is difficult to obtain, land degradation - in the form of soil erosion, salinity or declining soil quality - is believed to affect at least 60 per cent of Victorian farmland. The problem is severe, with the cost of lost production estimated at more than \$200 million per annum. Such losses not only threaten the viability of individual farms, but impact on whole rural communities, and ultimately, with the depletion of the State's soil resources, on all Victorians. A survey conducted by the ABS in 1990 revealed the community's growing concern over this problem: 63 per cent of Victorian households (61 per cent of those in the Melbourne Statistical Division and 69 per cent of those in the rest of the State) expressed concern about soil erosion and salinity.

TABLE 10 AGRICULTURAL LAND: TYPE OF LAND USE AND PERCENTAGE OF AREA DEGRADED, STATES, TERRITORIES AND AUSTRALIA, 1975

| Land use | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|-------------------------|--------|---------------|--------|--------|---------|-------|--------|------|---------|
| Cropping | | | | | | | | | |
| '000 ha | 12,680 | 6,800 | 2,850 | 9,297 | 14,848 | 176 | 27 | 1 | 46,700 |
| percentage degraded | 93.0 | 59.7 | 75.1 | 32.2 | 66.1 | 7.4 | 88.9 | 35.0 | 66.0 |
| Grazing (non-arid) | | | | | | | | | |
| '000 ha | 17,600 | 10,100 | 75,200 | 3,700 | 6,600 | 2,400 | 18,000 | 110 | 133,700 |
| percentage degraded | 72.3 | 57.2 | 30.5 | 12.2 | 4.2 | 3.3 | 32.2 | 54.5 | 36.1 |
| Arid land grazing | | | | | | | | | |
| '000 ha | 33,500 | - | 84,000 | 44,100 | 111,400 | - | 62,600 | - | 335,600 |
| percentage degraded | 100.0 | - | 51.9 | 81.6 | 43.1 | - | 38.3 | - | 55.2 |
| Total agricultural land | | | | | | | | | |
| '000 ha | 63,800 | 16,800 | 62,000 | 57,100 | 132,900 | 2,600 | 80,600 | 110 | 516,000 |
| percentage degraded | 91.1 | 58.6 | 42.3 | 69.2 | 43.7 | 3.6 | 37.0 | 54.5 | 51.2 |

Source: Adapted from *State of the Environment: Source Book*, Department of Arts, Heritage and Environment, 1986.

TABLE 11 LAND DEGRADATION, VICTORIA, 1991

| <i>Form of land degradation</i> | <i>Estimated area affected</i> | <i>% of susceptible land affected</i> | <i>Estimated annual cost of lost production</i> |
|---------------------------------|--------------------------------|---------------------------------------|---|
| | sq. km. | per cent | \$m |
| Salinity | | | |
| dryland | 980 | 19.6 | 8.0 |
| irrigated | 1,400 | 36.4 | 68.0 |
| Reduction in soil quality | | | |
| structural decline | 50,000 | 52.6 | 48.0 |
| fertility decline | 40,000 | 67.8 | (a)32.0 |
| contamination | 1,000 | n.a. | n.a. |
| induced acidity | 12,000 | 24.0 | 15.0 |
| Soil erosion | | | |
| gully/tunnel erosion | 350 | n.a. | (b)4.5 |
| sheet/rill erosion | 13,000 | 41.9 | 16.0 |
| wind erosion | 7,000 | 2.5 | 3.0 |
| Induced water-logging | 18,000 | 78.3 | 36.0 |
| Water repellence | 200 | 57.1 | 1.5 |

(a) Cost of additional fertilizer application.

(b) Includes cost of reduced water storage and repair of public utilities.

Source: *Towards sustainable land use ...*, Victorian Decade of Landcare Steering Committee, 1991

Soil Erosion

Soil erosion, or loss of soil through the actions of water or wind, is a widespread problem throughout Victoria; water erosion is particularly acute in Central Victoria while wind erosion is a problem in North-western Victoria.

Types of erosion

Sheet and rill erosion (the washing away of thin layers of top-soil from extensive areas) has reduced the productivity of 1.3 million hectares in Victoria, and another 1.8 million hectares are considered susceptible (Table 11). Gully and tunnel erosion (the loss of both top and sub-soil along water channels) reduces the amount of arable land available and often destroys roads, fences, bridges, etc. Sixty-five per cent of rivers and streams in cleared areas in Victoria suffer from heavy erosion. The action of water also contributes to mass soil movements such as landslides and mudflows, although tree clearing and construction work are usually the primary cause. All forms of water erosion lead to a deterioration in water quality, with many of the State's rivers carrying heavy loads of silt (Table 12). Sixteen per cent of rural Victorians are provided with drinking water which fails to meet World Health Organisation (WHO) standards for turbidity, due to the amount of suspended solids. The deposition of this water-borne soil is also a problem, particularly the siltation of the State's water-storage facilities. The removal of top-soil by the wind has reduced the productivity of 700,000 hectares in the Mallee and Northern Wimmera. Severe wind erosion, as occurs in drought years, can result in scalding (the exposure of saline or clayey sub-soils which will not support plant growth); 1,000 hectares in the Mallee region are scalded.

TABLE 12 QUALITY OF WATERWAYS, VICTORIA, 1985

| <i>Type of stream</i> | <i>Total stream length</i> | <i>Excellent/good (in natural state or slightly altered, good habitat)</i> | <i>Moderate (signific. alterations, moderate habitat, stable)</i> | <i>Poor/very poor (badly degraded, erosion problems, low habitat value)</i> |
|------------------------------|----------------------------|--|---|---|
| | (km) | (%) | (%) | (%) |
| Rivers and major streams | 7,300 | 21 | 51 | 29 |
| Tributaries | 7,500 | 35 | 20 | 45 |
| Minor streams | 49,200 | 70 | 7 | 24 |
| Total | 64,000 | 60 | 13 | 27 |
| All streams in cleared areas | 27,000 | 5 | 30 | 65 |

Source: *Towards sustainable land use ...*, Victorian Decade of Landcare Steering Committee, 1991

History of erosion

Soil erosion, which occurs when the soil's surface is exposed to the elements, has been a problem in Victoria for a long time. Even prior to the turn of the century, heavy grazing pressure had denuded large areas of pasture leaving the soil vulnerable to erosion. The clearing of native vegetation, particularly from steep slopes and water-courses, and the adoption, in the early 1900s, of prolonged bare fallow wheat-growing techniques resulted in severe erosion. Rabbits, whose populations had reached plague proportions by the 1920s, overgrazed soil-protecting vegetation and dramatically hastened erosion with their burrowing. By the 1930s erosion had become a serious threat to Victorian agriculture. In the Mallee, for example, roads and railways became impassable under drifts of eroded sand.

However, during the past 50 years there has been considerable improvement. The prosperity of the post-war years allowed farmers to adopt newly developed pasture species and ley farming (the alternating of crops with clover pasture), both of which significantly reduced the soil's exposure. During the 1950s the introduction of myxomatosis decimated the State's rabbit population. Structural methods of stabilising gully erosion have been developed and widely employed, together with the planting of trees and restoration of native vegetation. The Tree Victoria program currently provides community grants from both State and Federal funds for the planting of trees on land affected by erosion or salinity: during 1989-90, grants totalled \$1 million and 600,000 trees were planted.

And now...

Perhaps the most important development in recent years has been the increase in conservation attitudes of rural land-holders and the proliferation of farmer-groups dedicated to land-conservation issues. However the declining market price of agricultural produce has prevented many land-holders from adopting more sustainable farming practices. Current methods of crop cultivation still leave the soil vulnerable to erosion but the machinery required for minimum tillage techniques is costly. Similarly, a reduction in grazing pressure means a reduction in financial returns. LandCare, a community based program introduced in 1986, aims to improve land management and sustainable productivity through co-operative effort, with the State Government providing technical and financial support to community groups. In June 1990 there were sixty-nine Landcare groups in Victoria, covering 1.5 million hectares (11 per cent) of the State's farmland, and involving more than 3,000 land-holders. The Victorian Landcare program has since been adopted as a model by the Federal Government, and the 1990s has been declared the National Decade of Landcare.

TABLE 13 TREES(a) ON FARMLAND, BY STATISTICAL DIVISION, VICTORIA, 1989-90

| <i>Statistical division</i> | <i>Woodlots or other treed land</i> | | <i>Farms with treed land</i> | |
|-----------------------------|-------------------------------------|----------------------------------|------------------------------|--------------------------------|
| | <i>Area (ha)</i> | <i>Percentage of agric. land</i> | <i>Number</i> | <i>Percentage of all farms</i> |
| Melbourne | 9,802 | 5.7 | 258 | 16.3 |
| Barwon | 13,813 | 3.0 | 590 | 35.2 |
| South Western | 19,963 | 1.1 | 1,805 | 36.0 |
| Central Highlands | 7,757 | 1.0 | 637 | 33.6 |
| Wimmera | 17,388 | 0.7 | 867 | 26.1 |
| Northern Mallee | 14,240 | 0.6 | 536 | 14.9 |
| Loddon-Campaspe | 11,628 | 0.8 | 924 | 27.7 |
| Goulburn | 11,514 | 0.9 | 1,104 | 21.6 |
| North Eastern | 6,717 | 1.0 | 440 | 22.2 |
| East Gippsland | 9,616 | 1.1 | 367 | 28.0 |
| Central Gippsland | 10,171 | 1.8 | 1,057 | 29.5 |
| East Central Gippsland | 1,350 | 1.3 | 207 | 22.5 |
| Total Victoria | 133,959 | 1.0 | 8,792 | 26.4 |

(a) Comprised of trees from which stock are excluded; used as wind breaks, erosion control, timber production, wildlife habitat, etc.

Salinity

Salinity is considered to be the single greatest threat to Victorian agriculture. Excessive salt in the soil and water has already damaged 2,400 square kilometres and threatens an area more than twice that size. The estimated cost of lost production is \$76 million per annum. Between 1983-84 and 1988-89 the area of salt affected farmland in Victoria, as reported by farmers in Agricultural Censuses, increased by 67 per cent, and the proportion of Victorian farms affected rose from 6 per cent of all farming establishments to 9 per cent (2,711 farms in 1989-90) (Table 14).

Salinity is caused by ground-water rising to within two metres of the soil's surface. As the underground water rises, it dissolves salts, and when this salty water makes contact with plant roots, vegetation dies and the land becomes unproductive. In some areas the ground-water seeps out on to the surface, evaporating to leave salt encrusted soil on which virtually nothing will grow. Salt also washes into the waterways, harming both aquatic animals and wetland habitats, and affecting the quality of drinking water.

Types of salinity

There are two types of salinity in Victoria. *Dryland salinity* is brought about by the clearing of native vegetation, particularly deep-rooted trees which keep the ground-water levels low through the absorption of large amounts of water. The salt load of the Avoca river, for example, increased ten-fold after the clearing of surrounding land for agriculture. Dryland salinity currently affects 98,000 hectares in the Western parts of Victoria, with damage occurring to low-lying bushland as well as farmland. Almost 2,000 of the State's farms reported dryland salinity in 1988-89. *Irrigation salinity* occurs when irrigation water seeps down too deeply into the soil causing a build up in ground-water. It is estimated that irrigation salinity has damaged 140,000 hectares in the Murray-Goulburn irrigation district, and, according to the 1988-89 Agricultural Census, affects one farm in ten in the Loddon-Campaspe Statistical Division.

Solving the problem

Although the solution to salinity is simple - lower ground-water levels - this is often very difficult to achieve. For dryland salinity it is important to plant water-absorbing vegetation, such as trees or deep-

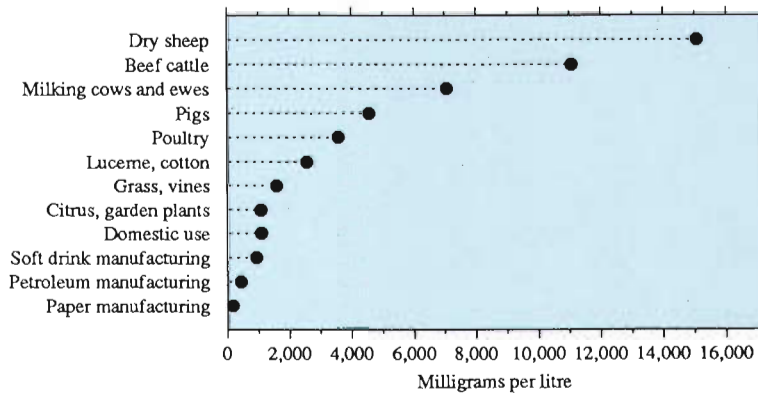
TABLE 14 SALT AFFECTED FARMLAND(a), BY STATISTICAL DIVISION, VICTORIA, 1983-84 AND 1988-89

| Statistical division | Area of salted land (sq km) | | | Percentage of farmland affected in 1988-89 | Farms with salt (no.) | | | Percentage of all farms with salt | | |
|----------------------|-----------------------------|--------------|--------------|--|-----------------------|--------------|------------|-----------------------------------|------------|------------|
| | 1988-89 | | | | 1988-89 | | | 1983-84 | 1988-89 | |
| | 1983-84 | Irrigated | Dryland | Total | 1983-84 | Irrigated | Dryland | 1983-84 | 1988-89 | |
| Melbourne | 2.9 | 1.8 | 1.2 | 3.0 | 0.2 | 35 | 15 | 16 | 1.1 | 2.1 |
| Barwon | 19.9 | 0.3 | 29.5 | 29.8 | 0.7 | 146 | 4 | 130 | 5.8 | 8.3 |
| South Western | 51.2 | 1.5 | 83.2 | 84.7 | 0.5 | 321 | 9 | 408 | 5.0 | 8.6 |
| Central Highlands | 47.9 | 4.6 | 65.6 | 70.2 | 0.9 | 246 | 10 | 249 | 8.7 | 14.5 |
| Wimmera | 42.5 | 13.4 | 85.9 | 99.3 | 0.4 | 284 | 15 | 266 | 7.1 | 8.6 |
| Northern Mallee | 166.4 | 162.4 | 106.9 | 269.3 | 1.1 | 565 | 217 | 291 | 12.9 | 14.4 |
| Loddon-Campaspe | 120.4 | 113.5 | 61.6 | 175.1 | 1.2 | 542 | 332 | 249 | 11.4 | 18.2 |
| Goulburn | 27.2 | 23.3 | 38.0 | 61.3 | 0.5 | 278 | 167 | 164 | 4.0 | 6.8 |
| North Eastern | 0.4 | 1.1 | 4.5 | 5.6 | 0.1 | 12 | 6 | 24 | 0.4 | 1.6 |
| East Gippsland | 8.9 | 2.7 | 12.1 | 14.8 | 0.2 | 51 | 28 | 37 | 2.5 | 5.4 |
| Central Gippsland | 6.3 | 3.5 | 10.6 | 14.1 | 0.2 | 41 | 11 | 44 | 0.8 | 1.6 |
| East Central | 2.7 | 0.1 | 1.9 | 2.0 | 0.2 | 23 | 1 | 18 | 1.7 | 2.1 |
| Total | 496.7 | 328.2 | 501.0 | 829.2 | 0.6 | 2,544 | 815 | 1,896 | 5.5 | 8.5 |

(a) As reported by farming establishments.

rooted, perennial pasture species, in those areas where water is infiltrating the soil too deeply (termed *recharge* areas). However recharge areas are often located far from the low-lying regions where salinity is occurring, and so problems of ownership arise. For irrigation salinity it is necessary to control water usage and improve drainage and watering systems, so water excess to the needs of the crop does not soak deeply into the soil; these are costly modifications. The pumping of ground-water is also beneficial but difficult to perform without raising the salinity of river systems and wetlands. The Department of Conservation and Environment, in consultation with local communities, is currently developing salinity management plans for catchment areas throughout Victoria.

WATER SALINITY: HIGHEST LEVELS TOLERATED BY USE



Source: *Victoria's Inland Waters, State of the Environment Report 1988*, Office of the Commissioner of the Environment

Other problems

Victoria's farmland is subject to a number of other problems. The most widespread problem is loss of productivity due to deteriorating soil structure (affecting 40 per cent of the State's agricultural land) and soil fertility (30 per cent). The use of artificial fertilizers (754,000 tonnes were applied to Victorian farmland in 1989-90) alleviates low soil fertility, but leads to water quality problems. Soil contamination, by pesticide residues, and arsenic and heavy metals from historic gold-mining activities, is also an issue. It has been estimated that up to 100,000 hectares may be affected, although only 1,200 hectares of Victorian land were listed on the EPA's Contaminated Sites Register in 1990. Other problems include the infestation of weeds, the proliferation of pest animals (mainly introduced or feral species) and the loss of prime agricultural land to urbanisation. In just six years, between 1983 and 1989, Victoria lost almost 2,000 ha of high quality farmland to urban development.

QUALITY OF LIFE

The existence of humans on earth is dependent upon the health of the natural environment. Without clean water to drink, clean air to breath and uncontaminated food to eat, man cannot survive. Yet many of our activities are jeopardising these natural life support systems. The maintenance of a world in which we can live comfortably is an issue of concern to many Victorians, particularly those of child-rearing age (25 to 44 years), and people with children (Table 15).

TABLE 15 PERCENTAGE OF HOUSEHOLDS WHO WERE CONCERNED ABOUT SELECTED ENVIRONMENTAL ISSUES BY AGE, HOUSEHOLD TYPE AND LABOUR FORCE REGION, VICTORIA, 1990

| | Percentage of households who were concerned about | | | | | | | |
|---|---|-----------------|-------------------------------|---------------------|------------------------|-------------------------|------------------------|---------------|
| | Greenhouse effect | Water pollution | Pollution from waste disposal | Hole in ozone layer | Destruction of forests | Nuclear issues, uranium | Soil erosion, salinity | None of these |
| Age of household's reference person - (a) | | | | | | | | |
| 15-24 years | 81.3 | 87.8 | 88.4 | 78.5 | 66.8 | 59.5 | 50.1 | 3.3 |
| 25-34 years | 88.1 | 92.3 | 91.9 | 83.5 | 74.3 | 66.2 | 60.9 | 2.3 |
| 35-44 years | 88.7 | 93.4 | 93.7 | 83.8 | 74.8 | 66.8 | 68.1 | 1.3 |
| 45-54 years | 82.4 | 90.2 | 90.7 | 76.4 | 69.5 | 58.4 | 65.6 | 2.6 |
| 55-64 years | 76.9 | 90.1 | 87.5 | 68.6 | 62.3 | 57.7 | 62.4 | 4.1 |
| 65 years or more | 66.9 | 82.5 | 81.5 | 57.1 | 57.6 | 52.6 | 61.0 | 7.4 |
| Household type - | | | | | | | | |
| Person living alone | 72.0 | 84.2 | 82.8 | 63.5 | 64.4 | 55.7 | 61.1 | 5.7 |
| Couple only | 80.2 | 90.5 | 90.1 | 71.5 | 64.6 | 57.2 | 66.8 | 3.5 |
| Couple & child(ren) | 85.4 | 92.1 | 92.0 | 80.7 | 70.3 | 64.7 | 64.3 | 2.2 |
| Single parent | 82.2 | 88.7 | 88.9 | 76.4 | 69.2 | 59.8 | 58.1 | 3.9 |
| Other | 81.3 | 88.9 | 88.4 | 76.4 | 72.6 | 62.5 | 58.1 | 4.1 |
| Labour force region - | | | | | | | | |
| Melbourne Stat. Div. | | | | | | | | |
| Inner Melb. | 77.0 | 88.4 | 88.6 | 75.2 | 75.5 | 64.5 | 61.7 | 4.1 |
| Southern Melb. | 83.9 | 88.5 | 90.6 | 75.6 | 74.2 | 65.5 | 67.0 | 3.4 |
| Inner Eastern Melb. | 85.3 | 88.7 | 92.1 | 77.3 | 70.7 | 65.5 | 66.6 | 1.9 |
| Nth Eastern Melb. | 76.5 | 89.6 | 86.6 | 73.0 | 65.7 | 63.2 | 57.3 | 6.3 |
| Nth Western Melb. | 76.2 | 87.4 | 87.4 | 69.4 | 68.0 | 63.1 | 55.9 | 5.7 |
| Western Melb. | 81.6 | 88.3 | 83.0 | 78.6 | 57.5 | 56.2 | 46.1 | 4.1 |
| Mornington Peninsula | 79.5 | 90.2 | 89.2 | 75.1 | 67.8 | 56.1 | 60.8 | 4.0 |
| Outer Eastern Melb. | 84.7 | 92.8 | 94.1 | 81.1 | 76.4 | 63.1 | 67.4 | 2.0 |
| Rest of Victoria | | | | | | | | |
| Sth Western Victoria | 82.2 | 89.9 | 89.6 | 71.0 | 69.6 | 59.8 | 62.2 | 3.6 |
| Nth Western Victoria | 83.3 | 89.3 | 87.1 | 73.3 | 64.4 | 59.1 | 72.0 | 2.8 |
| Northern Victoria | 80.1 | 89.1 | 88.9 | 70.2 | 66.0 | 57.4 | 74.3 | 3.2 |
| Eastern Victoria | 77.4 | 92.5 | 92.1 | 68.6 | 60.3 | 56.8 | 67.4 | - |
| Victoria | 81.0 | 89.6 | 89.2 | 74.5 | 68.1 | 60.7 | 63.1 | 3.5 |

(a) The person responding on behalf of the household.

Enhanced greenhouse effect

The greenhouse effect is a natural process essential for the continuance of life on earth. Incoming sunlight warms the earth, which then radiates this heat back into space. Some of the out-going heat is trapped by gases in the atmosphere, and it is this blanketing *greenhouse effect* of the atmospheric gases which maintains the earth's temperature within a desirable range. *Greenhouse gases* is the name applied to those gases which trap heat most effectively. Unfortunately, the activities of man have greatly increased the quantity of greenhouse gases in the atmosphere, and it is thought that with more heat being trapped by the atmosphere, global temperatures will rise. Even a small increase in temperatures could have devastating effects due to changes in weather patterns and rises in sea level.

The main greenhouse gases produced by man are carbon dioxide, methane, chlorofluorocarbons (CFCs) and nitrous oxide. Australia produces almost 300 million tonnes of carbon dioxide annually (Table 16), four-fifths of which comes from the burning of fossil fuels. This gas is responsible for more than half of Australia's contribution to the enhanced greenhouse effect. Although the other three greenhouse gases are produced in much smaller quantities (totalling about 8 million tonnes annually), they trap heat much more efficiently than carbon dioxide and as a consequence are each responsible for about 15 per cent of



VICTORIA - AN ENVIRONMENTAL OVERVIEW

Above: Image generated by the Australian Centre for Remote Environmental Sensing, using data from the Japanese Geostationary Meteorological Satellite, - *Bureau of Meteorology*

Below: Coranderrk Creek in Corankerrk Park. A supplier of water to Melbourne since 1908, it now supplies up to 110 megalitres of water a day to Silvan Reservoir - *Melbourne Water*





Above: Grass trees in the Little Desert National Park -
Department of Conservation and Environment
(Photo: Noel Ryan)



Left: Leadbeater's Possum, one of our faunal
emblems, endangered by loss and fragmentation of its
habitat. - *Department of Conservation and Environment*

Below: Helmeted Honeyeater, bird emblem of Victoria,
and one of the rarest birds in the world - *Photo: Len
Robinson*



EPA monitoring water quality off shore from St. Kilda - Environment Protection Authority



Testing for water quality at the Water Sciences Laboratory, Mount Waverley - Melbourne Water



One of the floating litter booms on the Yarra River - Melbourne Water



OVERLEAF:
Australia Paper Manufacturers is Australia's largest private plantation forester.



Australia's contribution to the greenhouse effect. Overall, Australia's annual greenhouse gas production equals 30 tonnes of carbon dioxide for every Australian; three times the world average. Energy use - industrial, domestic and for transportation - is responsible for approximately half of Australia's total greenhouse emissions, and another quarter is the result of agricultural activities.

TABLE 16 ESTIMATED CARBON DIOXIDE EMISSIONS, BY STATE OR TERRITORY, 1987-88

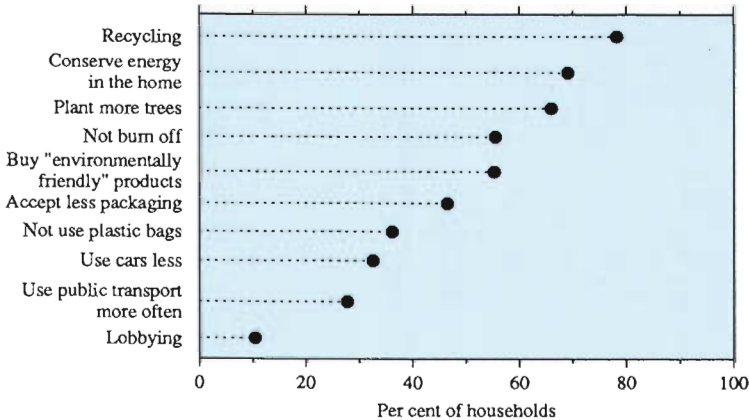
| State | Total emissions | | Emissions per capita |
|---------------------|-----------------|--------------|----------------------|
| | million tonnes | per cent | tonnes |
| Northern Territory | 4,091 | 1.5 | 2.6 |
| Victoria | 81,231 | 29.4 | 1.9 |
| Queensland | 52,080 | 18.9 | 1.8 |
| Western Australia | 27,953 | 10.1 | 1.8 |
| New South Wales (a) | 86,078 | 31.2 | 1.5 |
| South Australia | 20,169 | 7.3 | 1.4 |
| Tasmania | 4,643 | 1.7 | 1.0 |
| Australia | 276,244 | 100.0 | 1.6 |

(a) Includes the Australian Capital Territory.

Source: A National Inventory of Greenhouse Gas Emissions, July 1990, Australia and New Zealand Environment Council.

In 1988, Australia made a commitment to reduce greenhouse gas emissions by 20 per cent by the year 2005. This has led to the promotion of energy conservation measures at all levels, including extensive public awareness campaigns. In 1990, a survey conducted by the ABS revealed that four out of five Victorian households felt concerned about the greenhouse issue, and more than two-thirds were prepared to undertake energy conservation measures in their homes. Initiatives undertaken by the Victorian Government include the establishment of a Greenhouse Unit, and the monitoring of the effects of climate change on the State's fauna, forests and coastal regions.

ACTIONS HOUSEHOLDS ARE PREPARED TO TAKE TO HELP THE ENVIRONMENT, VICTORIA 1990



Depletion of the ozone layer

The ozone layer, located 30 km above the earth's surface, is responsible for the screening of harmful ultra-violet (UV) radiation from sunlight. However the ozone layer is becoming depleted, particularly in the Antarctic region (the hole in the ozone layer), with losses as high as 40 per cent since the late 1950s. With less ozone in the stratosphere, the amount of UV-B radiation reaching the earth's surface will increase, and exposure to such radiation is harmful to most living organisms. In humans it can lead to eye problems, skin cancer, and suppression of the immune system. Although the exact causes of ozone

depletion are not yet known, oxides of hydrogen, nitrogen and chlorine - such as those derived from the man-made pollutants chlorofluorocarbons (CFCs) and bromofluorocarbons (halons) - act as a catalyst in the breakdown of ozone. In 1989 the Australian Government passed the Ozone Protection Act, limiting or banning the import, export and manufacture of ozone depleting substances, as well as products which contain or use them. A commitment was made to reduce CFCs (currently used in refrigerators and air-conditioners, as aerosol propellants and in the manufacture of plastic foam) and Halons (used as fire-fighting chemicals) by 45 per cent by 1995, and to phase them out completely by 1998. Within Victoria, an Industrial Waste Management Policy was proclaimed in 1990 making the recovery and re-use of CFCs compulsory and regulating their labelling and handling. Regulations banning or restricting the sale of products containing or using ozone-depleting substances were also introduced.

Air pollution

In 1973, the Environment Protection Agency began monitoring air quality in Victoria, assessing levels of the major pollutants ozone (smog), sulphur dioxide, nitrogen oxides, carbon monoxide, air-borne particles, hydrocarbons and lead. The State Environment Protection Policy (SEPP), promulgated in 1981, sets out air quality objectives, defining both the acceptable limit and detrimental level (based on health effects) for each of these pollutants. It is against these objectives that ambient conditions are evaluated.

The quality of Victoria's air is generally good except for occurrences of smog in Melbourne and Geelong, and periods of poor visibility in Melbourne, Geelong and the Latrobe Valley. Air-borne lead is a problem within the Melbourne region. Sulphur dioxide, a major pollutant in cities overseas, is not a problem in Victoria, as the State's main fuels - Bass Strait oil and gas, and Latrobe Valley brown coal - have a low sulphur content. Levels of nitrogen dioxide, although a potential problem, have not exceeded acceptable limits during the last three years. Except for smog, Melbourne's air pollution problems are not as severe as Sydney's; prevailing winds in Melbourne tend to disperse pollutants away from the city, and traffic densities are lower.

TABLE 17 AIR POLLUTION: ESTIMATED EMISSIONS BY SOURCE, MELBOURNE, 1986

| Source | Carbon monoxide | | Hydrocarbons | | Nitrogen oxides | | Sulphur dioxide | |
|-----------------------------|-----------------|--------------|--------------|--------------|-----------------|--------------|-----------------|--------------|
| | '000 tonnes | Per cent | '000 tonnes | Per cent | '000 tonnes | Per cent | '000 tonnes | Per cent |
| Motor vehicles | 597.7 | 85.7 | 73.3 | 40.8 | 52.2 | 76.3 | 1.3 | 18.1 |
| Other transport (rail, air) | 16.8 | 2.4 | 2.8 | 1.6 | 3.2 | 4.7 | 0.3 | 4.2 |
| Combustion of waste | 8.3 | 1.2 | 2.4 | 1.3 | 0.1 | 0.1 | - | 0.4 |
| Combustion of fuel - | | | | | | | | |
| Domestic | 57.8 | 8.3 | 19.5 | 10.9 | 2.5 | 3.7 | 0.3 | 4.2 |
| Other | 2.3 | 0.3 | 0.2 | 0.1 | 8.1 | 11.8 | 2.2 | 30.6 |
| Petroleum/solvent | | | | | | | | |
| plants, storage, etc. | 0.7 | 0.1 | 66.7 | 37.1 | 1.6 | 2.3 | 3.1 | 43.1 |
| Other | 14.1 | 2.0 | 14.8 | 8.2 | 0.8 | 1.2 | - | 0.3 |
| Total | 697.6 | 100.0 | 179.7 | 100.0 | 68.4 | 100.0 | 7.2 | 100.0 |

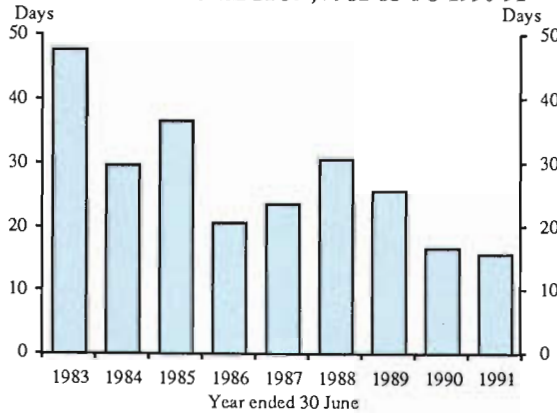
Source: *Air emission inventories (1985) for the Australian capital cities*, Australian Environment Council, Report No 22, AGPS, 1988

Smog

Smog, also called photochemical oxidants, is produced by the action of sunlight on the pollutants nitrogen oxides and hydrocarbons, most of which come from motor vehicle emissions. Smog is therefore a secondary pollutant, made up primarily (more than 90 per cent) of ozone. It not only has serious health effects, attacking the nasal passages, eyes and respiratory system, but is also very damaging to plants. In Melbourne, episodes of heavy smog occur in calm weather during summer and autumn. Although Melbourne suffers worse smog than any other Australian city, levels have been

decreasing. During 1990-91 the acceptable limit for smog was exceeded on 16 days, compared with 48 days in 1982-83 (based on eight hour averages). This reduction is attributable to the use of catalytic converters in motor vehicles (enabled by the use of unleaded petrol), tighter restrictions for motor vehicle emissions, and regulations controlling the storage and handling of volatile liquids and industrial processes which emit hydrocarbons.

SMOG: NUMBER OF DAYS ON WHICH LEVELS OF OZONE EXCEEDED THE ACCEPTABLE LEVEL (8 HOUR AVERAGE), MELBOURNE REGION, 1982-83 TO 1990-91

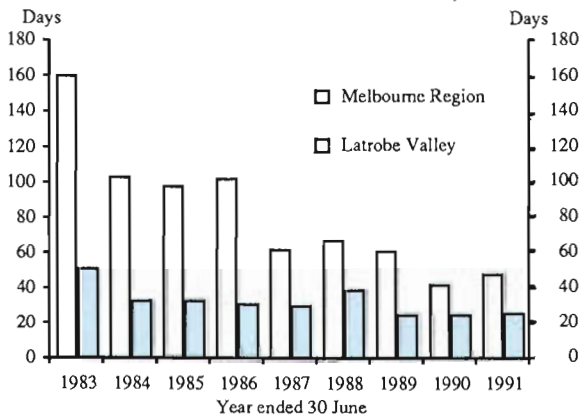


Source: Annual Report 1990-91, Environment Protection Authority

Air-borne particles

Air-borne particulate matter is not only aesthetically unpleasant, producing a brown haze which reduces visibility, but also aggravates respiratory diseases such as asthma and bronchitis. As the air-borne particles are often soaked in more harmful pollutants, such as sulphur dioxide and nitrogen oxides, the overall health effects are more severe. During 1990-91, concentrations of visibility-reducing particles in the Melbourne region exceeded acceptable limits on 49 days. However, there has been considerable improvement in recent years: in the drought year of 1982-83 acceptable limits were exceeded on 161

AIR POLLUTION: NUMBER OF DAYS WHEN LEVELS OF VISIBILITY-REDUCING PARTICLES EXCEEDED ACCEPTABLE LEVELS (1 HOUR AVERAGE), MELBOURNE REGION AND LATROBE VALLEY, 1982-83 TO 1990-91



Source: Annual Report 1990-91, Environment Protection Authority

days. The main sources of air-borne particles in Melbourne are dust, arising from cleared land and unmade roads, and smoke from domestic incinerators and open burning, such as fuel-reduction burning of forests and burning of agricultural stubble. With very tight controls governing industrial particulate emissions, the Environment Protection Authority is working to reduce domestic sources by conducting publicity campaigns which encourage householders to compost and recycle their waste. The agency is also encouraging Local Government Authorities to adopt more stringent by-laws for domestic incinerators; as of 1991 more than one-quarter of all Local Councils in the Melbourne, Geelong and Westernport regions did not have adequate controls in place.

Lead

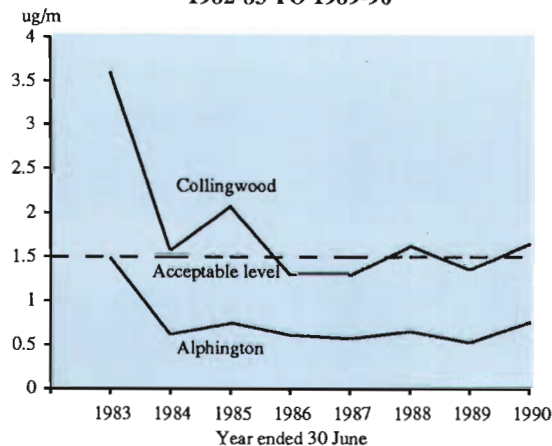
Lead is a heavy metal which acts as a cumulative poison in humans, attacking the central nervous system and kidneys; young children are particularly susceptible. Ninety per cent of Melbourne's lead emissions are generated by the combustion of leaded petrol in motor vehicle engines, and as a consequence, the concentration of air-borne lead particles varies considerably between localities, depending on traffic density. For example, the Environment Protection Authority's Collingwood monitoring station is located close to the exit of the Eastern Freeway and records considerably higher levels of lead than those recorded at Alphington. However, overall lead concentrations have fallen

TABLE 18 ESTIMATED LEAD EMISSIONS BY SOURCE, AUSTRALIAN CAPITAL CITIES, 1986
(tonnes)

| City | Motor vehicle petrol engines | Combustion of sump oil | Other sources | All sources | Total leaded petrol sources | Leaded petrol as percentage of total |
|------------------|------------------------------|------------------------|---------------|-------------|-----------------------------|--------------------------------------|
| Adelaide | 361 | 15 | 30 | 406 | 386 | 95 |
| Brisbane | 470 | 12 | 27 | 509 | 496 | 97 |
| Canberra | 47 | - | 2 | 49 | 48 | 99 |
| Darwin | 21 | 2 | 2 | 25 | 24 | 93 |
| Hobart | 33 | 3 | 11 | 47 | 37 | 79 |
| Melbourne | 440 | 1 | 64 | 506 | 457 | 90 |
| Perth | 397 | 7 | 23 | 427 | 416 | 97 |
| Sydney | 620 | 1 | 88 | 709 | 640 | 90 |

Source: *Air emission inventories (1985) for the Australian capital cities*, Australian Environment Council, Report No 22, AGPS, 1988

ATMOSPHERIC LEAD: MAXIMUM 3 MONTHLY MOVING MEAN LEVELS FOR TWO MELBOURNE LOCATIONS, 1982-83 TO 1989-90



Source: *Annual Report 1989-90*, Environment Protection Authority

considerably since 1983 when the lead content of petrol was reduced by 30 per cent. The introduction of unleaded petrol (ULP) in 1985 and the requirement that all cars manufactured after February 1986 must run on ULP will significantly reduce levels of atmospheric lead in the future; currently about one-quarter of Melbourne's motor vehicles are fuelled by ULP.

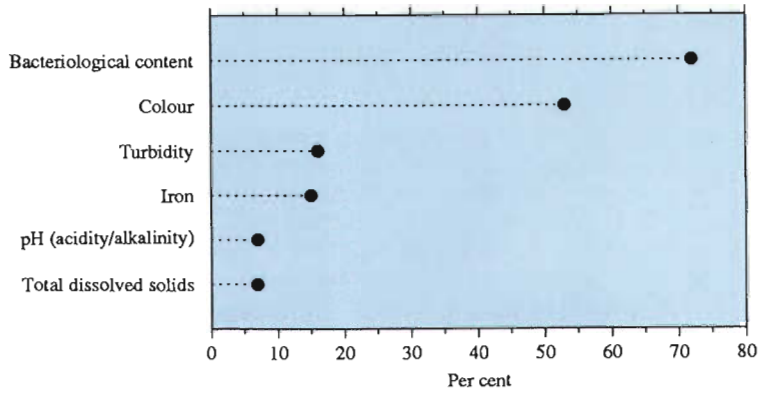
Water pollution

A survey conducted by the ABS in 1990 revealed that water pollution was of greater concern to the Victorian public than any other environmental issue; nine out of ten Victorian households were concerned about this issue. Water pollution can be divided into two main types: the first is *point-source* pollution, in which the pollutant's source is localised and identifiable, for example the discharge drains of industrial or sewerage treatment plants. Effluent from industry often contains toxic substances, such as heavy metals, which can poison aquatic life or accumulate within the food chain, leading to the contamination of fish and other edible species. During 1990-91, levels of heavy metals were a problem in the lower Yarra River, and copper, chromium, cadmium and mercury exceeded acceptable limits in the Kororoit Creek. The discharge of heated water, after use for industrial cooling, can also be fatal to aquatic organisms. Sewage waste is the other main source of point-source pollution. In 1986-87 the Melbourne Metropolitan Board of Works (MMBW) received almost 300,000 megalitres of sewage for treatment. This waste, after treatment, is discharged into Bass Strait and Port Philip Bay at Werribee. Although raw sewage often contains high levels of bacteria and viruses which can cause disease, the most common pollutants in treated sewage waste are the water-enriching chemicals, nitrogen and phosphorous. High levels of these chemicals can result in highly detrimental algal blooms, such as those which have occurred in Lakes Colac and Burrumbeet and the Gippsland Lakes system. In 1985-86, up to 1.8 million kg of nitrogen and 0.6 million kg of phosphorous entered Victorian waterbodies from sewerage treatment plants.

Point-source pollution, however, is not a major problem in Victoria, because it is tightly controlled. Most effluent-producing industrial and sewage plants within the State are licensed and monitored by the Environment Protection Authority (EPA). Any breach of the licence, which specifies the maximum quantity and pollutant content of the discharge, can be prosecuted by law. Of much greater concern is *diffuse* water pollution, where the pollutant is derived from a large area, and is associated with land use practises. A major problem of this type within Victoria, is the high level of suspended solids (or silt) carried by the State's waterways; the Yarra River is notorious as an example. These suspended particles, which suffocate aquatic animals and kill aquatic plants by blocking out sunlight, are a product of the soil erosion occurring in cleared land and construction sites throughout Victoria. Water runoff from urban areas is also a problem as it is often contaminated by car oil, lead from petrol and seepage from septic tanks. Contaminated runoff of this sort is believed to be the cause of bacterial levels exceeding acceptable limits at several beaches in Port Philip Bay. Agricultural pesticides and herbicides, highly toxic to aquatic life, are also washed into Victorian waterways. The EPA is currently conducting a study of organochlorine pesticides, such as DDT and dieldrin, in the Ovens, King and upper Yarra Rivers. Similarly, agricultural fertilisers are a major contributor to the rising levels of nitrogen and phosphorous recorded in many of the State's water bodies.

Diffuse pollutants, are not only very difficult to control, but can also affect domestic water supplies. In 1987-88, eight per cent of Melbourne's population received drinking water which failed to meet the Australian Water Resources Council/National Health and Medical Research Council (AWRC/NHMRC) guide-lines for bacterial content. Yet by the more stringent World Health Organisation (WHO) standards, 92 per cent of Melbournians received water whose bacterial content was occasionally too high. Rural water supplies were even more severely affected; fewer than 7 per cent of people living in rural towns and cities, and only 6 per cent of all country towns, received drinking water which consistently met WHO standards for microbiological quality. Throughout rural Victoria there were also poor levels of compliance with WHO guide-lines for the physical and chemical parameters of drinking water.

**PERCENTAGE OF RURAL POPULATION WHO RECEIVED
DRINKING WATER WHICH FAILED TO MEET WORLD HEALTH
ORGANISATION GUIDELINES BY REASON, VICTORIA 1985-86**



*Source: Victoria's Inland Waters, State of the Environment Report 1988,
Office of the Commissioner of the Environment*

Resource conservation and waste disposal

Many of the products integral to our current way of life are produced from non-renewable resources, which may ultimately be exhausted. Fossil fuels are a prime example, with petrol, oil, gas and coal providing most of our energy. Often called the "throw-away society", the world's developed nations have been using non-renewable resources with little restraint, and in the process have polluted the environment with huge quantities of waste. In Victoria alone, 4.1 million tonnes of waste must be disposed of annually; almost one tonne for every man, woman and child. In 1990, eighty-nine per cent of Victorian households were concerned about pollution from the disposal of wastes. The re-use and recycling of waste materials not only reduces the amount of garbage produced (Victoria's waste could be halved by this means), but also helps to conserve resources.

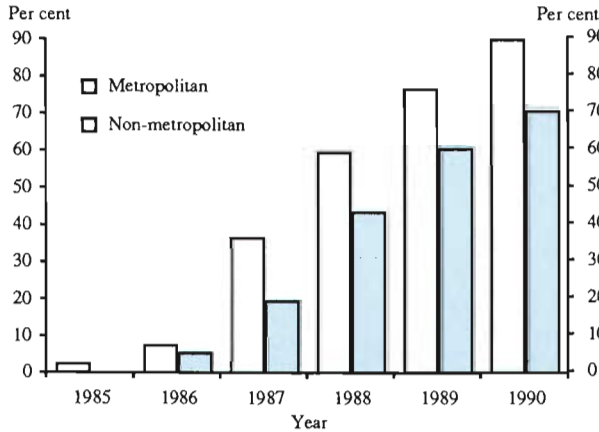
**TABLE 19 WASTE: CONTENT (BY WEIGHT) OF DOMESTIC GARBAGE AND
LANDFILL, VICTORIA, 1990**

| <i>Content of domestic garbage</i> | | <i>Content of landfill</i> | |
|------------------------------------|-----------------|-------------------------------------|-----------------|
| <i>Type of waste</i> | <i>Per cent</i> | <i>Type of waste</i> | <i>Per cent</i> |
| Food | 36 | Domestic garbage | 35 |
| Paper | 21 | Industrial waste | 18 |
| Glass | 16 | Garden waste | 14 |
| Plastic | 10 | Clean fill | 11 |
| Garden waste | 7 | Building rubble | 11 |
| Steel | 5 | Municipal waste | 9 |
| Aluminium | 1 | Large appliances, car bodies, tyres | 1 |
| Other | 4 | | |

Source: Fourth Report, Victorian Recycling and Litter Advisory Committee, 1991

In 1990, eighty-four per cent of the Victoria population had access to a kerbside collection of recyclable materials. An EPA survey of eight municipalities found that almost half the residents utilised this collection service. This level of participation (46 per cent) is higher than that of any other State. In October 1990, an ABS survey showed that 78 per cent of households were prepared to sort their rubbish for recycling, and 71 per cent actually did so at the time of the survey (Table 19). Half of the 1.1 million households who recycled their rubbish said that they did so to help the environment, with almost all (87 per cent) recycling glass, 58 per cent recycling paper, almost 40 per cent recycling cans and plastic and 29 per cent recycling garden waste. Of those who did not sort wastes, 10 per cent reported that they

GARBAGE RECYCLING: PERCENTAGE OF VICTORIAN POPULATION WITH ACCESS TO A "KERBSIDE" COLLECTION, 1985 TO 1990

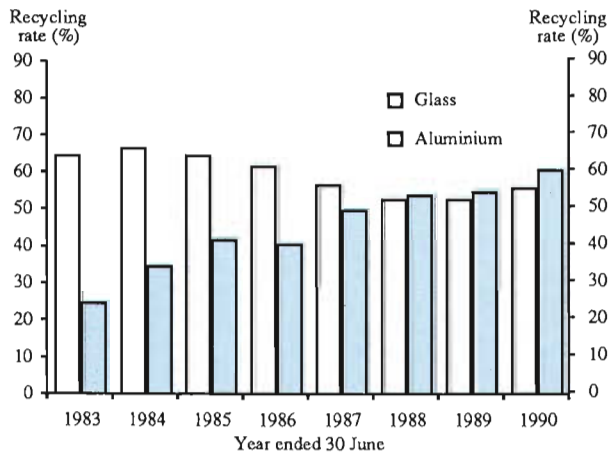


Source: Fourth Report, Victorian Recycling and Litter Advisory Committee, 1991

simply had not got around to doing it, and 18 per cent did not recycle because they did not have access to a kerbside collection service or did not know where to take the sorted material.

Currently, 61 per cent of all aluminium used within the State is recycled, as is 56 per cent of glass and 9 per cent of PET plastic. Paper recycling is more of a problem. Although the recycling of high-grade office paper has been very successful (in fact many Government Departments are now using recycled paper), the recycling of low-grade paper, particularly newsprint, has suffered due to a lack of profitable end market uses. The community's increased environmental awareness has led to the collection of large quantities of low-grade paper, and this glut of waste newsprint has caused the abandonment of many paper collection services. However, a commitment by the newspaper industry to build a de-inking plant at Albury-Wodonga will allow old newspapers to be used in the production of new ones, and provided that the scheme goes ahead, the future of low-grade paper recycling is assured.

RECYCLING RATES FOR BEVERAGE CONTAINERS, VICTORIA 1982-83 TO 1989-90



Source: Fourth Report, Victorian Recycling and Litter Advisory Committee, 1991

TABLE 20 PERCENTAGE OF HOUSEHOLDS PRACTISING ENERGY CONSERVATION BY AGE AND HOUSEHOLD TYPE, VICTORIA, 1990

| | Percentage of households which | | | | | | | |
|---|--------------------------------|-----------------------------|----------------------------|----------------------|----------------------------|--------------------------|-------------------------------------|------------------------|
| | Have roof insulation | Have weather-seals on doors | Sort rubbish for recycling | Compost garden waste | Wash clothes in cold water | Have water-saving shower | Installed compact fluorescent bulbs | Have fluorescent tubes |
| Age of household's reference person - (a) | | | | | | | | |
| 15-24 years | 22.2 | 22.6 | 52.9 | 26.3 | 48.2 | 5.5 | 3.0 | 53.0 |
| 25-34 years | 53.4 | 35.1 | 67.3 | 45.1 | 58.1 | 13.2 | 3.9 | 60.6 |
| 35-44 years | 72.6 | 38.2 | 74.0 | 56.5 | 51.5 | 16.2 | 5.5 | 66.6 |
| 45-54 years | 74.0 | 35.4 | 72.9 | 57.7 | 49.1 | 18.4 | 6.8 | 70.1 |
| 55-64 years | 73.3 | 37.1 | 74.6 | 61.0 | 44.6 | 19.6 | 5.0 | 76.9 |
| 65 years or more | 65.5 | 36.7 | 71.8 | 55.8 | 35.9 | 11.1 | 2.2 | 72.7 |
| Household type - | | | | | | | | |
| Person living alone | 47.8 | 32.8 | 61.7 | 34.8 | 34.2 | 9.4 | 3.1 | 62.4 |
| Couple only | 72.2 | 39.6 | 74.7 | 61.6 | 46.6 | 16.6 | 3.7 | 74.1 |
| Couple & child(ren) | 76.8 | 38.2 | 75.6 | 61.3 | 52.6 | 17.6 | 6.3 | 68.6 |
| Single parent | 58.0 | 35.4 | 63.6 | 46.0 | 54.9 | 12.0 | 3.2 | 63.8 |
| Other | 43.9 | 26.0 | 69.3 | 46.2 | 54.6 | 13.0 | 3.4 | 66.7 |
| Total | 65.1 | 35.9 | 71.1 | 53.4 | 48.1 | 14.9 | 4.5 | 68.0 |

(a) The person responding on behalf of the household.

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1 Geography and Government



GEOGRAPHY

Geographic position and area

The most southerly point of Wilsons Promontory, latitude 39° 08' S., longitude 146° 22' 30" E., is the southernmost point of the mainland of Victoria and similarly of the mainland of Australia; the northernmost point is where the western boundary of the State meets the Murray River, latitude 33° 59' S., longitude 140° 58' E; the point furthest east is Cape Howe, situated in latitude 37° 31' S., longitude 149° 58' E. The westerly boundary lies upon the meridian 140° 58' E., and extends from latitude 33° 59' S. to latitude 38° 04' S., a distance of 451 kilometres.

Victoria covers an area of about 227,600 square kilometres. It is therefore slightly smaller than Great Britain which (if inland water is included) contains 229,900 square kilometres.

TABLE 1.1 AREA OF STATES AND TERRITORIES

| State or Territory | Area in square kilometres | Length of coastline in kilometres | Percentage of total area |
|------------------------------|---------------------------|-----------------------------------|--------------------------|
| Western Australia | 2,525,500 | 12,500 | 32.88 |
| Queensland | 1,727,200 | 7,400 | 22.48 |
| Northern Territory | 1,346,200 | 6,200 | 17.52 |
| South Australia | 984,000 | 3,700 | 12.81 |
| New South Wales | 801,600 | 1,900 | 10.44 |
| Victoria | 227,600 | 1,800 | 2.96 |
| Tasmania | 67,800 | 3,200 | 0.88 |
| Australian Capital Territory | 2,400 | 35 | 0.03 |
| Australia | 7,682,300 | 36,735 | 100.00 |

Coastline

The Victorian coastline comprises many types of environments. Broad sandy beaches and impressive cliffed headlands along the ocean coast contrast with mangrove-fringed mudflats and marshland of the sheltered embayments and estuaries. There are approximately 1,300 kilometres of ocean coast between Cape Howe and the South Australian border; in addition three large embayments - Port Phillip Bay (270 kilometres), Western Port Bay (150 kilometres), and Corner Inlet (80 kilometres) - partially enclose protected waters where most of the ports and harbours are situated.

Physical divisions

The chief physical divisions of Victoria are shown on page 27. Each of these divisions has certain physical features (elevation, geological structure, climate, and soils) which distinguish it from the others.

1. Murray Basin Plains:
 - (a) The Mallee
 - (b) The Riverine Plains
 - (c) The Wimmera
2. Central Highlands:
 - A. The Eastern Highlands
 - B. The Western Highlands:
 - (a) The Midlands
 - (b) The Grampians
 - (c) The Dundas Tablelands
3. Western District Plains:
 - (a) The Volcanic Plains
 - (b) The Coastal Plains
4. Gippsland Plains:
 - (a) The East Gippsland Plains
 - (b) The West Gippsland Plains
5. Southern Uplands:
 - (a) The Otway Ranges
 - (b) The Barrabool Hills
 - (c) The Mornington Peninsula
 - (d) The South Gippsland Highlands
 - (e) Wilsons Promontory

The following table lists Victoria's highest mountains:

TABLE 1.2 HEIGHT OF SELECTED MOUNTAINS, VICTORIA
(metres)

| <i>Mountain</i> | <i>Height</i> | <i>Mountain</i> | <i>Height</i> |
|-----------------|---------------|-----------------|---------------|
| Bogong | 1,986 | Niggerhead | 1,843 |
| Feathertop | 1,922 | Mckay | 1,843 |
| Nelse North | 1,883 | Cobberas No. 1 | 1,838 |
| Fainter South | 1,877 | Cope | 1,837 |
| Loch | 1,874 | Spion Kopje | 1,836 |
| Hotham | 1,861 | Buller | 1,804 |

ABS STATISTICAL GEOGRAPHY

Australian Standard Geographical Classification (ASGC)

The statistical division structure of Victoria was formed in 1974 by combining legal local government areas into socio-economic zones.

Since January 1986, ABS statistical geography has been based on the Australian Standard Geographic Classification (ASGC). The current ASGC was implemented in January 1991, following extensive review designed to accommodate future population growth, especially in the Melbourne Statistical Division (MSD). The previous review occurred in the mid-1960's.

The ASGC is an hierarchical structure designed to cover the whole of Australia, without omission or overlap. Within Victoria's statistical division structure there are 12 statistical divisions, 50 sub-divisions, 238 statistical local areas (SLA), and 7,501 collection districts (CD). The ASGC also contains 14 labour force regions, of which 9 are in the MSD and 5 are in the Rest of Victoria (ROV). Labour Force regions are used extensively for ABS social surveys, including the Labour Force Survey. Victoria also has 7 statistical districts, which are urban areas outside the MSD, and whose populations exceed 25,000. The smallest geographic unit normally used in ABS published material is the SLA. Special data runs and electronic products like 4-Site can utilise CD level data.

In order to meet census collector requirements, approximately 20 per cent of CDs changed between 1986 and 1991. A total of 14 SLAs (1986) changed status in January 1991 either through splitting or recombining. The SLA structure in Victoria (238 SLAs) is largely equivalent to that for LGAs (210 LGAs), although 22 LGAs are split and 5 SLAs cover unincorporated areas.

The ASGC is being increasingly used by government agencies and other organisations to allow geographic comparability. The SLA/LGA unit is usually the key when looking for concordance across government department regions which differ from the ASGC.

CLIMATE

General conditions

The major topographical determinant of the climate is the Great Dividing Range, running east-west across the State, and rising to nearly 2,000 metres in the eastern half. This acts as a barrier to the moist south-east and south-west winds and together with its proximity to the coast, causes the south of the State to receive more rain than the north.

To the south of Victoria, except for Tasmania and its islands, there is no land for 3,000 kilometres. This vast area of ocean has a moderating influence on Victoria's climate in winter. Snow, which is a common winter occurrence at similar latitudes on the eastern seaboard of the great land masses of the northern hemisphere, is rare in Victoria below elevations of 600 metres. To the north of Victoria, the land mass of Australia becomes very hot in the summer, and on several days at this time of year the temperature over the State may rise to between 35°C and 40°C, often with a strong northerly wind.

Climate in Melbourne

The proximity of Port Phillip Bay bears a direct influence on the climate of the metropolitan area. The hottest months in Melbourne are normally January and February, when the average maximum temperature is 26°C. Inland, Watsonia has an average of 27°C, while along the Bay, Aspendale and Black Rock, subject to any sea breeze, have an average of 25°C. This difference does not persist throughout the year, however, and in July average maxima at most stations are within 1°C of one another at approximately 13°C. The hottest day on record in Melbourne was 13 January 1939, when the temperature reached 45.6°C. This is the second highest temperature ever recorded in an Australian capital city. In Melbourne, the average number of days per year with maxima over 35°C is about nine, but there were twenty-five in the summer of 1897-98 and there has been only one year with no occurrence, namely 1984. The average annual number of days over 30°C is approximately twenty-nine.

Nights are coldest at places a considerable distance from the sea, and away from the city where heat retention by buildings, roads, and pavements may maintain the air at a slightly higher temperature. The lowest temperature ever recorded in the city was -2.8°C on 21 July 1869, and the highest minimum ever recorded was 30.6°C on 1 February 1902.

In Melbourne the overnight temperature remains above 20°C on about four nights per year. During the early years of record, temperatures below 0°C were recorded during most winters. However, over more recent years, the urban 'heat island' effect has resulted in such low temperatures occurring only once in two years on average. Minima below -1°C have been experienced during the months of May to August, while even as late as October extremes have been down to 0°C. During the summer, minima have never been below 4°C.

Wide variations in the frequencies of occurrences of low air temperatures are noted across the Melbourne metropolitan area. For example, there are approximately ten annual occurrences of 2°C or less around the Bay, but frequencies increase to over twenty in the outer suburbs and probably to over thirty a year in the more frost susceptible areas. The average frost-free period is about 200 days in the outer northern and eastern suburbs, gradually increasing to over 250 days towards the city, and approaching 300 days along parts of the bayside.

The means of the climatic elements for the seasons in Melbourne, computed from all available official records, are given in Table 1.3.

Rainfall

The average annual number of days of rain (0.2mm or more in 24 hours) is over 150 on the West Coast and in West Gippsland, and exceeds 200 over the Otway Ranges. The average number of wet days a year is reduced to 100 at a distance of approximately 160 kilometres inland from the coast. The distribution of rainfall in Victoria by districts is given in Table 1.4.

Distribution of average rainfall in Victoria is shown in Figure 3 on page 30. Average rainfall ranges from 250mm for the driest parts of the Mallee to 2,600mm at Falls Creek in the Alps.

TABLE 1.3 MEANS OF CLIMATIC ELEMENTS, MELBOURNE

| Meteorological element | Spring | Summer | Autumn | Winter |
|---|---------|---------|---------|---------|
| Mean atmospheric pressure (hectopascals) | 1,015.0 | 1,013.2 | 1,018.4 | 1,018.5 |
| Mean maximum temperature of air in shade (°C) | 19.5 | 25.1 | 20.2 | 14.0 |
| Mean minimum temperature of air in shade (°C) | 9.4 | 13.7 | 10.7 | 6.3 |
| Mean relative humidity at 9 a.m. (per cent, saturation = 100) | 64 | 61 | 72 | 79 |
| Mean rainfall (mm) | 186 | 154 | 168 | 149 |
| Mean number of days of rain | 40 | 25 | 34 | 44 |
| Mean amount of evaporation (mm) (a) | 359 | 564 | 276 | 138 |
| Mean daily amount of cloudiness (scale 0 to 8) (b) | 4.9 | 4.2 | 4.8 | 5.2 |
| Mean daily hours of sunshine (c) | 6.6 | 8.4 | 5.6 | 4.5 |
| Mean number of days of fog | 1.4 | 0.6 | 5.8 | 10.3 |

(a) Measured by Class A Pan (records commenced 1967).

(b) Scale: 0 = clear, 8 = overcast.

(c) Measured at Laverton (records commenced 1968).

TABLE 1.4 RAINFALL IN DISTRICTS, VICTORIA
(mm)

| District | Year | | | | | | Average (a) |
|-----------------|-------|-------|-------|-------|-------|-------|----------------|
| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | |
| North Mallee | 270 | 357 | 316 | 348 | 358 | 273 | 309 |
| South Mallee | 316 | 414 | 378 | 408 | 429 | 294 | 355 |
| North Wimmera | 391 | 415 | 400 | 441 | 431 | 313 | 411 |
| South Wimmera | 440 | 616 | 547 | 630 | 568 | 460 | 504 |
| Lower North | 400 | 420 | 364 | 537 | 519 | 376 | 431 |
| Upper North | 492 | 516 | 452 | 634 | 613 | 437 | 516 |
| Lower Northeast | 769 | 910 | 688 | 954 | 927 | 925 | 782 |
| Upper Northeast | 1,023 | 1,289 | 1,068 | 1,341 | 1,334 | 1,237 | 1,107 |
| East Gippsland | 1,062 | 576 | 639 | 868 | 910 | 862 | 776 |
| West Gippsland | 953 | 959 | 828 | 982 | 999 | 975 | 915 |
| East Central | 892 | 965 | 859 | 931 | 1,094 | 923 | 891 |
| West Central | 646 | 611 | 690 | 635 | 741 | 675 | 613 |
| North Central | 751 | 858 | 815 | 920 | 932 | 782 | 727 |
| Western Plains | 612 | 659 | 634 | 592 | 641 | 622 | 629 |
| West Coast | 814 | 849 | 724 | 760 | 858 | 854 | 775 |

(a) Average for 78 years 1913 to 1990.

AVERAGE ANNUAL RAINFALL

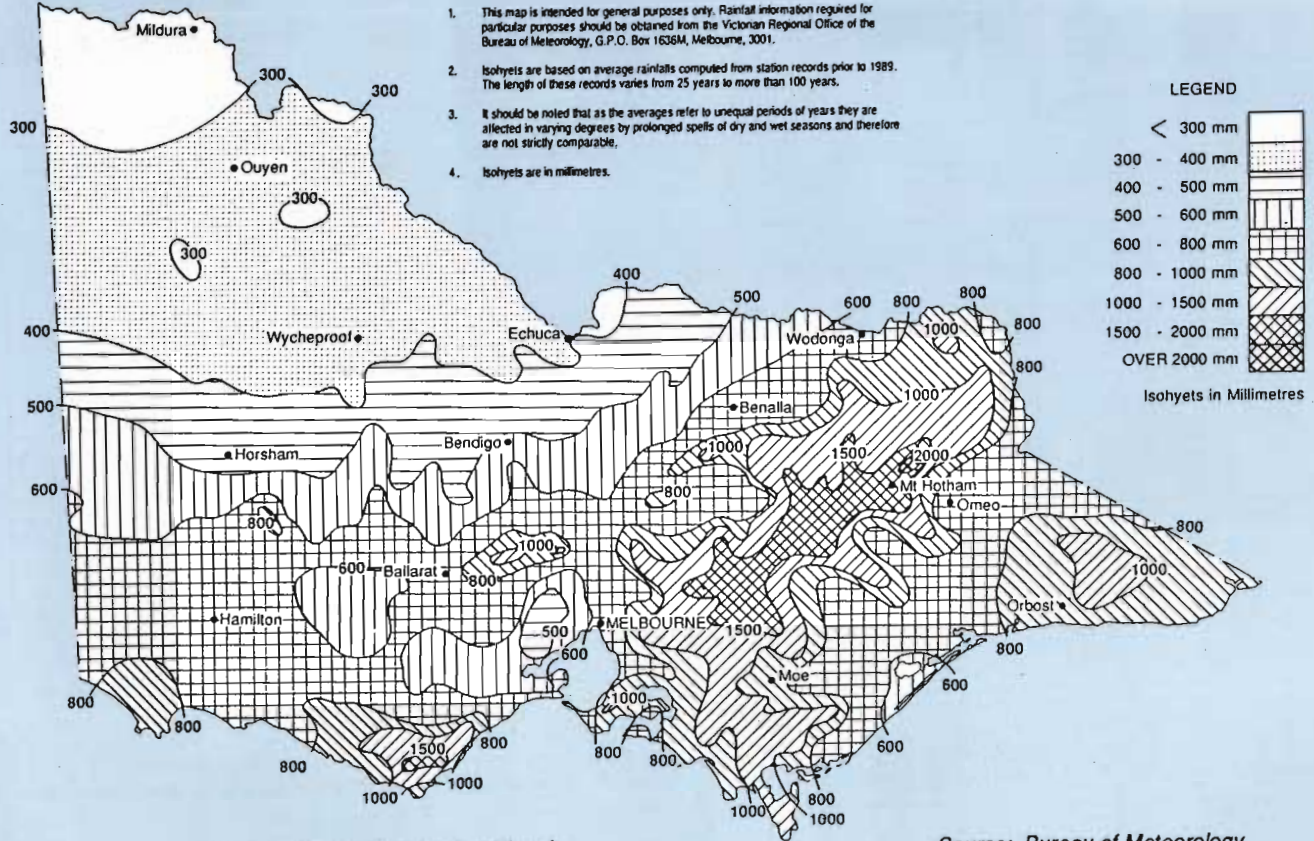


Figure 3. Average annual rainfall of Victoria

Source: Bureau of Meteorology

GOVERNMENT

The system of government in Victoria provides for responsible Cabinet government based on a legislature of two Houses, the Legislative Assembly (Lower House) and the Legislative Council (Upper House), both elected by Australian citizens over the age of 18. Voting is compulsory.

The Constitution

From 1855 until 1975, the Constitution of Victoria was contained in the Schedule to an Act of the United Kingdom in 1855, but Victoria finally adopted a Constitution of its own with the *Constitution Act 1975*.

Under the Victorian Constitution, the ultimate executive power is vested in the Crown, and is exercised by the Governor as the Monarch's representative. The Governor is the titular head of the government, while the Premier is the effective head of government. Further information on the powers and function of the Governor may be found on page 60 of the *Victorian Year Book 1986*.

The Constitution is affected by the Commonwealth Constitution enacted by the *Commonwealth of Australia Constitution Act 1900*, an act of the Imperial Parliament, by which legislative and executive powers upon certain specified matters were granted to the Commonwealth Parliament and the Commonwealth Government, some of them exclusively, and provision was made that, in case of inconsistency of valid laws, the Commonwealth law should prevail.

Victorian Government responsibilities

The Victorian Government is responsible for such things as health, education, law enforcement, administration of justice, the control of resources, and the provision of roads, water, sewerage, power, and other services. Under Victorian law a complete system of courts, a police force, a teaching service, and many statutory bodies have been established.

Victorian government departments and statutory authorities

Victorian government departments and statutory authorities administer legislation, implement government policy, provide policy advice to government, and supply goods and services to the people of Victoria.

Information concerning Victorian government departments and statutory authorities may be found in previous editions of the *Victorian Year Book*. More recent information may be found in the *Victorian Government Directory*, which is compiled by Information Victoria - Ministry of Ethnic, Municipal and Community Affairs.

Victorian representation in the Commonwealth Parliament

The federation of the Australian colonies formally commenced on 1 January 1901. The House of Representatives was seen as representing the people and directly chosen by the people for a maximum three year term on single Member constituencies. The Senate was seen as representing the rights of the States, and Senators are appointed for a six year term with half of them retiring every three years. Senators are chosen directly by the people on a single State wide electorate and on a proportional representation system.

Since the 1989 electoral redistribution Victoria has had 38 members in the House of Representatives, and 12 Senators.

TABLE 1.5 ELECTORS ON JOINT ROLLS, VICTORIA, 30 JUNE

| <i>Year</i> | <i>Number of electors enrolled</i> | <i>Year</i> | <i>Number of electors enrolled</i> |
|-------------|------------------------------------|-------------|------------------------------------|
| 1986 | 2,601,091 | 1989 | 2,773,200 |
| 1987 | 2,702,932 | 1990 | 2,805,773 |
| 1988 | 2,680,181 | 1991 | 2,835,591 |

Source: Australian Electoral Commission

Ministry

A simultaneous election for the Legislative Council and the Legislative Assembly of the Victorian Parliament was held on 1 October 1988. The Australian Labour Party, under the leadership of the Hon. John Cain, was elected to office.

On 10 August 1990, following Mr Cain's resignation, the Hon. Joan Kirner became the first female Premier of Victoria. Her first Ministry, and Victoria's 66th, was reshuffled in January 1991. A further reshuffle took place in January 1992. The Ministry consisted of the following members as at 1 February 1992.

LEGISLATIVE ASSEMBLY

| | |
|----------------------------|---|
| The Hon. Joan Kirner | Premier and Minister responsible for Women's Affairs |
| The Hon. Jim Kennan | Deputy Premier, Attorney-General, Minister for the Arts and Minister for Major Projects |
| The Hon. Ian Baker | Minister for Food and Agriculture |
| The Hon. Steve Crabb | Minister for Tourism and Minister for Water Resources |
| The Hon. Andrew McCutcheon | Minister for Planning and Housing |
| The Hon. Neil Pope | Minister for Labour and Minister for School Education |
| The Hon. Tom Roper | Minister for Employment, Post-Secondary Education and Training; Minister for Aboriginal Affairs and Minister responsible for Gaming |
| The Hon. John Harrowfield | Minister for Finance and Minister assisting in Labour with responsibility for Workcare |
| The Hon. Mal Sandon | Minister for Police and Emergency Services and Minister for Corrections |
| The Hon. Kay Setches | Minister for Community Services and Minister responsible for Child Care |
| The Hon. Tony Sheehan | Treasurer |
| The Hon. Peter Spyker | Minister for Transport |
| The Hon. Neil Trezise | Minister for Sport and Recreation |

LEGISLATIVE COUNCIL

| | |
|---------------------------|--|
| The Hon. David White | Minister for Manufacturing and Industry Development and Minister responsible for Ports |
| The Hon. Caroline Hogg | Minister for Ethnic, Municipal and Community Affairs |
| The Hon. Maureen Lyster | Minister for Health |
| The Hon. Theo Theophanous | Minister for Small Business; Minister for Consumer Affairs and Minister assisting in Manufacturing and Industry Development, with responsibility for Corporatisation |
| The Hon. Barry Pullen | Minister for Conservation and Environment |

MINISTRIES, VICTORIA 1943 TO 1990 (a)

| <i>Ministry and name of Premier</i> | <i>Date of assumption of office</i> | <i>Date of retirement from office</i> | <i>Duration of office (days)</i> |
|--|-------------------------------------|---------------------------------------|----------------------------------|
| Albert Arthur Dunstan | 18 September 1943 | 2 October 1945 | 746 |
| Ian Macfarlan, K.C. | 2 October 1945 | 21 November 1945 | 51 |
| John Cain | 21 November 1945 | 20 November 1947 | 730 |
| Thomas Tuke Hollway | 20 November 1947 | 3 December 1948 | 380 |
| Thomas Tuke Hollway | 3 December 1948 | 27 June 1950 | 572 |
| John Gladstone Black McDonald | 27 June 1950 | 28 October 1952 | 855 |
| Thomas Tuke Hollway | 28 October 1952 | 31 October 1952 | 3 |
| John Gladstone Black McDonald | 31 October 1952 | 17 December 1952 | 48 |
| John Cain | 17 December 1952 | 31 March 1955 | 835 |
| John Cain | 31 March 1955 | 7 June 1955 | 69 |
| Henry Edward Bolte, G.C.M.G. | 7 June 1955 | 23 August 1972 | 6,288 |
| Rupert James Hamer, E.D. | 23 August 1972 | 5 June 1981 | 3,209 |
| Lindsay Hamilton Simpson Thompson, C.M.G. | 5 June 1981 | 8 April 1982 | 299 |
| John Cain (b) | 8 April 1982 | 10 August 1990 | 3,046 |
| Joan Elizabeth Kirner | 10 August 1990 | still in office | |

(a) A complete list since responsible government in 1855 can be found on pages 741-2 of the *Victorian Year Book 1984*.

(b) The Hon. John Cain is the son of the Hon. John Cain who held the office of Premier on three occasions between 1945 and 1955.

Local government administration

For Local Government purposes, Victoria is divided into 210 municipal districts and the Yallourn Works Area, which was separated from the municipal districts of which it had formed a part by the *State Electricity Commission (Yallourn Area) Act 1947*. For certain purposes it is deemed to be a borough and municipal administration is the responsibility of the Commission, assisted by an Advisory Council. The 210 municipalities comprise 68 cities, 1 rural city, 5 towns, 6 boroughs, and 130 shires.

The only unincorporated areas of Victoria are French Island (154 square kilometres) in Western Port, Lady Julia Percy Island (1.3 square kilometres) off Port Fairy, Bass Strait islands (3.8 square kilometres), Gippsland Lakes (part) (309 square kilometres), and Tower Hill Lake Reserve (5.0 square kilometres) which is within the Shire of Warrambol.

Councils may make by-laws on a number of specified subjects. They exercise functions relating to roads and bridges, for which they have a construction and maintenance responsibility; drainage, water supply and sewerage; building control; community welfare, including infant and pre-school centres, home help, elderly citizens, meals-on-wheels and garbage; parking areas and traffic engineering.

TABLE 1.6 RATEABLE PROPERTIES, VICTORIA, 30 SEPTEMBER

| <i>Year</i> | <i>Number of rateable properties</i> | <i>Year</i> | <i>Number of rateable properties</i> |
|-------------|--------------------------------------|-------------|--------------------------------------|
| 1985 | 1,746,443 | 1988 | 1,832,255 |
| 1986 | 1,782,130 | 1989 | 1,862,832 |
| 1987 | 1,803,015 | 1990 | 1,915,037 |

REFERENCES

ABS publications

Statistical Maps, Victoria (1103.2)

Melbourne Statistical Division Map (1104.2)

Australian Standard Geographical Classification (ASGC) (1216.0)

2 Demography



INTRODUCTION

This chapter contains information on different aspects of the population including demographic characteristics, immigration, citizenship, language, ancestry and religion.

Despite being the second smallest State in area with just under three per cent of the Australian land mass, Victoria is home to one quarter of Australia's population. Since 1974 the Victorian birth rate has consistently been lower than the rate for Australia, however over the past three years it has slowly been increasing to the point where, in 1990, it was approximately the same as the rate for Australia.

Just over 40 per cent of Victoria's population increase between 1989 and 1990 was due to net migration. The annual population loss as a result of persons migrating out of Victoria decreased markedly since 1989. People from the UK and Ireland remain the largest overseas born population group residing in Victoria, with almost 240,000 settlers in Victoria as at May 1991.

Over recent years, the rate of people marrying for the first time in their late twenties and early thirties has gradually increased. The median age of persons marrying for the first time increased from 25.5 to 26.6 years for males and from 23.4 to 24.6 years for females from 1985 to 1990.

Population

As at June 1990, Australia's Estimated Resident Population (ERP) was 17.1 million, an increase of over 250,000, or 1.5 per cent, over the previous year. During the same period the population of Victoria rose by 58,300 to 4,379,800, representing 26 per cent of Australia's population.

Victoria's population increased by 6 per cent over the five years 1985 to 1990, compared with an 8 per cent increase for Australia. Over the same period the populations of Western Australia, the Australian Capital Territory and Queensland grew by 15.2, 13.4 and 13.1 per cent respectively.

Victoria is the most densely populated State, averaging 19 persons per square kilometre at 30 June 1990, compared with the Australian average of just over 2 persons per square kilometre. At 30 June 1990, an estimated 3,080,700 persons lived in the Melbourne Statistical Division (MSD), representing 70 per cent of Victoria's population, at a density of 503 persons per square kilometre.

TABLE 2.1 AREA, ESTIMATED RESIDENT POPULATION, AND POPULATION DENSITY OF STATES AND TERRITORIES

| State or Territory | Area sq km | Estimated resident population at June 30 | | | Persons per square kilometre (at 1990) | Percentage of population in each State or Territory (at 1990) per cent |
|------------------------------|------------------|---|-----------------|-----------------|---|--|
| | | 1985 | 1989 | 1990 | | |
| | | '000 | '000 | '000 | | |
| New South Wales | 801,600 | 5,464.5 | 5,771.9 | 5,826.9 | 7.3 | 34.1 |
| Victoria | 227,600 | 4,120.1 | 4,321.5 | 4,379.8 | 19.2 | 25.6 |
| Queensland | 1,727,200 | 2,571.2 | 2,834.1 | 2,906.8 | 1.7 | 17.0 |
| South Australia | 984,000 | 1,371.2 | 1,424.6 | 1,439.1 | 1.5 | 8.4 |
| Western Australia | 2,525,500 | 1,418.6 | 1,594.7 | 1,633.8 | 0.6 | 9.6 |
| Tasmania | 67,800 | 442.8 | 451.1 | 456.6 | 6.7 | 2.7 |
| Northern Territory | 1,346,200 | 148.5 | 156.3 | 157.3 | 0.1 | 0.9 |
| Australian Capital Territory | 2,400 | 251.4 | 278.7 | 285.1 | 118.8 | 1.7 |
| Australia | 7,682,300 | 15,788.3 | 16,833.1 | 17,085.4 | 2.2 | 100.0 |

TABLE 2.2 POPULATION DISTRIBUTION IN BROAD GEOGRAPHIC AREAS, VICTORIA

| Census (d) | Major urban(a) | | Other urban (b) | | Rural (c) | | Total Victoria (e) |
|------------|----------------|----------|-----------------|----------|-----------|----------|-----------------------|
| | Number | Per cent | Number | Per cent | Number | Per cent | |
| 1921 | 766,465 | 50.1 | 187,490 | 12.2 | 571,577 | 37.3 | 1,531,280 |
| 1933 | 991,934 | 54.5 | 198,191 | 10.9 | 628,558 | 34.5 | 1,820,261 |
| 1947 | 1,226,409 | 59.7 | 231,443 | 11.3 | 592,998 | 28.9 | 2,054,701 |
| 1954 | 1,524,111 | 62.1 | 470,063 | 19.2 | 450,126 | 18.4 | 2,452,341 |
| 1961 | 1,911,895 | 65.3 | 573,930 | 19.6 | 439,679 | 15.0 | 2,930,113 |
| 1966 | 2,215,396 | 68.8 | 538,776 | 16.7 | 463,057 | 14.4 | 3,220,217 |
| 1971 | 2,509,298 | 71.6 | 562,830 | 16.1 | 427,920 | 12.2 | 3,502,351 |
| 1976 | 2,603,028 | 71.4 | 601,185 | 16.5 | 441,057 | 12.1 | 3,646,975 |
| 1981 | 2,704,038 | 70.6 | 661,953 | 17.3 | 464,352 | 12.1 | 3,832,443 |
| 1986 | 2,771,317 | 68.9 | 743,360 | 18.5 | 501,022 | 12.5 | 4,019,478 |

(a) Includes all urban centres with a population of 100,000 or more.

(b) Includes all urban centres with a population of 1,000 to 99,999 and known holiday resorts of lower population if they contain 250 or more dwellings, of which at least 100 are occupied on census night.

(c) Includes rural localities.

(d) Census years 1921 to 1966 excluded full-blooded aboriginals.

(e) Includes migratory - those persons counted on trains, boats or at aircraft terminals.

TABLE 2.3 ABORIGINAL AND TORRES STRAIT ISLANDERS POPULATION BY AGE GROUPS, VICTORIA, 30 JUNE 1986

| Age group (years) | Aboriginals and Torres Strait Islanders | | | | All persons, Victoria | |
|-------------------|---|--------------|---------------|--------------|-----------------------|--------------|
| | Males | Females | Persons | Per cent | Persons | Per cent |
| 0-4 | 908 | 842 | 1,750 | 13.9 | 295,151 | 7.3 |
| 5-14 | 1,542 | 1,495 | 3,037 | 24.1 | 625,435 | 15.6 |
| 15-19 | 820 | 809 | 1,629 | 12.9 | 354,498 | 8.8 |
| 20-39 | 2,058 | 2,231 | 4,289 | 34.0 | 1,301,074 | 32.4 |
| 40-59 | 654 | 767 | 1,421 | 11.3 | 843,988 | 21.0 |
| 60 and over | 210 | 275 | 485 | 3.8 | 599,332 | 14.9 |
| Total | 6,192 | 6,419 | 12,611 | 100.0 | 4,019,478 | 100.0 |

In the MSD there were five Statistical Local Areas (SLAs) with more than 100,000 persons, based on 30 June 1990 ERP figures. These were Waverley (126,300 persons), Knox (124,100), Doncaster and Templestowe (108,000), Keilor (106,600) and Broadmeadows (105,800). The SLAs showing the highest growth rates over the previous twelve month period were Cranbourne (Pt.A) (9.4 per cent), Berwick (7.7), Werribee (7.5) and Bulla (6.5). These SLAs also showed the highest percentage growth over the period 1985 to 1990. The SLA with the largest population increase in the five year period was Cranbourne (Pt.A), which grew by 23,000 persons (54.9 per cent).

TABLE 2.4 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS, VICTORIA

| Statistical Local Area (a) | Area at 30 June 1990 (b) (sq km) | Estimated resident population at 30 June | | | Percentage change 1989 to 1990 |
|-----------------------------------|--|--|---------|---------|--------------------------------------|
| | | 1985 | 1989 | 1990 | |
| MELBOURNE STATISTICAL DIVISION | | | | | |
| Altona (C) | 39.73 | 33,600 | 35,800 | 36,400 | 1.7 |
| Berwick (C) (c) | 126.30 | 47,100 | 63,900 | 68,800 | 7.7 |
| Box Hill (C) | 21.48 | 48,000 | 47,900 | 48,000 | 0.2 |
| Brighton (C) | 13.70 | 34,900 | 34,400 | 34,400 | 0.0 |
| Broadmeadows (C) | 65.22 | 105,300 | 105,500 | 105,800 | 0.3 |
| Brunswick (C) | 10.75 | 43,300 | 41,200 | 40,900 | -0.7 |
| Bulla (S) | 421.40 | 26,700 | 35,300 | 37,600 | 6.5 |
| Camberwell (C) (c) | 35.59 | 88,500 | 87,700 | 87,900 | 0.2 |
| Caulfield (C) | 22.10 | 71,200 | 70,300 | 70,400 | 0.1 |
| Chelsea (C) | 12.59 | 27,400 | 27,800 | 28,100 | 1.1 |
| Coburg (C) | 18.77 | 55,200 | 54,600 | 54,600 | 0.0 |
| Collingwood (C) | 4.88 | 14,200 | 13,500 | 13,600 | 0.7 |
| Cranbourne (S) (Pt A) (c) | 400.80 | 41,900 | 59,300 | 64,900 | 9.4 |
| Croydon (C) | 33.71 | 40,700 | 45,400 | 46,700 | 2.9 |
| Dandenong (C) | 38.94 | 58,200 | 59,500 | 59,700 | 0.3 |
| Diamond Valley (S) | 73.91 | 55,900 | 61,000 | 61,900 | 1.5 |
| Doncaster and Templestowe (C) | 90.62 | 101,600 | 107,700 | 108,000 | 0.3 |
| Eltham (S) | 276.00 | 40,800 | 43,800 | 44,700 | 2.1 |
| Essendon (C) | 22.17 | 56,900 | 55,400 | 55,300 | -0.2 |
| Fitzroy (C) | 3.71 | 18,600 | 18,300 | 18,300 | 0.0 |
| Flinders (S) | 327.50 | 33,200 | 38,800 | 40,100 | 3.4 |
| Footscray (C) | 18.14 | 49,500 | 48,800 | 48,900 | 0.2 |
| Frankston (C) (c) | 71.37 | 85,700 | 90,600 | 91,500 | 1.0 |
| Hastings (S) | 292.90 | 22,300 | 27,000 | 28,200 | 4.4 |
| Hawthorn (C) | 9.84 | 31,600 | 30,700 | 30,500 | -0.7 |
| Healesville (S) (Pt A) | 284.30 | 9,500 | 10,600 | 10,900 | 2.8 |
| Heidelberg (C) (c) | 32.84 | 64,300 | 63,500 | 63,400 | -0.2 |
| Keilor (C) | 97.20 | 93,700 | 103,900 | 106,600 | 2.6 |
| Kew (C) | 14.46 | 29,100 | 29,000 | 29,000 | 0.0 |
| Knox (C) | 113.20 | 103,100 | 121,600 | 124,100 | 2.1 |
| Lillydale (S) | 403.30 | 72,100 | 79,600 | 81,200 | 2.0 |
| Malvern (C) (c) | 16.07 | 44,200 | 43,500 | 43,500 | 0.0 |
| Melbourne (C) (Inner & Remainder) | 31.77 | 58,300 | 55,100 | 54,300 | -1.5 |
| Melton (S) | 459.40 | 28,000 | 33,200 | 34,600 | 4.2 |
| Moorabbin (C) | 53.13 | 100,000 | 99,000 | 98,900 | -0.1 |
| Mordialloc (C) | 12.14 | 28,200 | 27,700 | 27,600 | -0.4 |
| Mornington (S) | 92.89 | 27,700 | 30,700 | 31,300 | 2.0 |
| Northcote (C) | 17.62 | 50,700 | 49,300 | 49,000 | -0.6 |
| Nunawading (C) | 42.27 | 98,300 | 96,600 | 96,800 | 0.2 |

**TABLE 2.4 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS,
VICTORIA - *continued***

| Statistical Local Area (a) | Area at 30 June 1990 (b) (sq km) | Estimated resident population at 30 June | | | Percentage change 1989 to 1990 |
|--|--|--|------------------|------------------|--------------------------------------|
| | | 1985 | 1989 | 1990 | |
| MELBOURNE STATISTICAL DIVISION - <i>continued</i> | | | | | |
| Oakleigh (C) | 30.84 | 58,100 | 57,800 | 58,000 | 0.3 |
| Pakenham (S) (Pt A) | 149.50 | 6,500 | 7,600 | 7,800 | 2.6 |
| Port Melbourne (C) | 10.62 | 8,500 | 8,100 | 8,000 | -1.2 |
| Prahran (C) | 9.58 | 45,300 | 44,000 | 43,800 | -0.5 |
| Preston (C) (c) | 36.74 | 83,900 | 82,200 | 82,100 | -0.1 |
| Richmond (C) | 6.25 | 24,400 | 23,300 | 23,100 | -0.9 |
| Ringwood (C) | 23.03 | 41,500 | 42,600 | 42,700 | 0.2 |
| St Kilda (C) | 8.84 | 48,400 | 46,500 | 46,200 | -0.6 |
| Sandringham (C) | 15.00 | 32,200 | 32,100 | 32,200 | 0.3 |
| Sherbrooke (S) | 194.30 | 35,400 | 37,900 | 38,300 | 1.1 |
| South Melbourne (C) | 8.99 | 19,100 | 18,400 | 18,300 | -0.5 |
| Springvale (C) | 98.48 | 86,000 | 88,800 | 89,700 | 1.0 |
| Sunshine (C) | 80.52 | 98,100 | 97,900 | 98,200 | 0.3 |
| Waverley (C) | 59.72 | 128,800 | 126,600 | 126,300 | -0.2 |
| Werribee (C) (c) | 659.60 | 49,900 | 66,400 | 71,400 | 7.5 |
| Whittlesea (C) (c) | 599.60 | 78,800 | 91,800 | 94,700 | 3.2 |
| Williamstown (C) | 14.71 | 24,300 | 23,900 | 23,800 | -0.4 |
| Total division | 6,129.00 | 2,909,100 | 3,043,500 | 3,080,900 | 1.2 |
| BARWON STATISTICAL DIVISION | | | | | |
| Bannockburn (S) (Pt A & Pt B) | 704.00 | 3,540 | 3,990 | 4,100 | 2.8 |
| Barrabool (S) (Pt A & Pt B) | 581.50 | 6,950 | 8,600 | 9,050 | 5.2 |
| Bellarine (S) (Pt A & Pt B) | 328.30 | 35,880 | 41,220 | 42,900 | 4.1 |
| Colac (C) | 10.99 | 10,040 | 10,070 | 10,020 | -0.5 |
| Colac (S) | 1,456.00 | 6,670 | 7,010 | 7,050 | 0.6 |
| Corio (S) (Pt A & Pt B) | 698.40 | 54,380 | 56,770 | 57,520 | 1.3 |
| Geelong (C) | 13.71 | 13,870 | 13,180 | 13,110 | -0.5 |
| Geelong West (C) | 5.19 | 15,000 | 14,620 | 14,630 | 0.1 |
| Leigh (S) | 982.70 | 17,200 | 2,100 | 2,180 | 3.8 |
| Newtown (C) | 6.35 | 10,470 | 10,420 | 10,380 | -0.4 |
| Otway (S) | 1,872.00 | 3,800 | 3,850 | 3,870 | 0.5 |
| Queenscliffe (B) | 8.44 | 3,350 | 3,360 | 3,410 | 1.5 |
| South Barwon (C) (Pt A & Pt B) | 161.20 | 39,620 | 41,760 | 42,630 | 2.1 |
| Winchelsea (S) | 1,299.00 | 4,150 | 4,570 | 4,710 | 3.1 |
| Total division | 8,128.00 | 209,440 | 221,520 | 225,550 | 1.8 |
| SOUTH WESTERN STATISTICAL DIVISION | | | | | |
| Belfast (S) | 515.70 | 1,520 | 1,500 | 1,500 | 0.0 |
| Camperdown (T) | 14.85 | 3,640 | 3,560 | 3,560 | 0.0 |
| Dundas (S) | 3,477.00 | 3,620 | 3,700 | 3,730 | 0.8 |
| Glenelg (S) | 3,589.00 | 4,510 | 4,360 | 4,360 | 0.0 |
| Hamilton (C) | 20.61 | 10,340 | 10,540 | 10,580 | 0.4 |
| Hampden (S) | 2,646.00 | 7,480 | 7,180 | 7,190 | 0.1 |
| Heytesbury (S) | 1,503.00 | 7,840 | 7,730 | 7,750 | 0.3 |
| Heywood (S) (c) | 3,764.00 | 7,360 | 7,730 | 7,820 | 1.2 |
| Minhamite (S) | 1,364.00 | 2,040 | 1,970 | 1,960 | -0.5 |
| Mortlake (S) | 2,153.00 | 3,350 | 3,200 | 3,200 | 0.0 |



Figure 4. Melbourne Statistical Division

**TABLE 2.4 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS,
VICTORIA - *continued***

| Statistical Local Area (a) | Area at 30 June 1990 (b) (sq km) | Estimated resident population at 30 June | | | Percentage change 1989 to 1990 |
|--|--|--|----------------|----------------|--------------------------------------|
| | | 1985 | 1989 | 1990 | |
| SOUTH WESTERN STATISTICAL DIVISION - <i>continued</i> | | | | | |
| Mount Rouse (S) | 1,407.00 | 2,460 | 2,360 | 2,350 | -0.4 |
| Port Fairy (B) | 22.74 | 2,590 | 2,760 | 2,800 | 1.4 |
| Portland (C) (c) | 35.28 | 10,920 | 11,160 | 11,440 | 2.5 |
| Wannon (S) | 1,958.00 | 3,120 | 2,980 | 2,990 | 0.3 |
| Warrnambool (C) | 35.68 | 23,260 | 24,490 | 24,820 | 1.3 |
| Warrnambool (S) (c) | 1,552.00 | 6,760 | 8,630 | 8,720 | 1.0 |
| Tower Hill Lake Reserve and Lady Julia Percy Island | 6.99 | n.a. | n.a. | n.a. | - |
| Total division | 24,065.00 | 102,350 | 103,850 | 104,770 | 0.9 |
| CENTRAL HIGHLANDS STATISTICAL DIVISION | | | | | |
| Ararat (C) | 18.15 | 8,260 | 8,240 | 8,290 | 0.6 |
| Ararat (S) | 3,679.00 | 4,380 | 4,560 | 4,580 | 0.4 |
| Avoca (S) | 1,127.00 | 2,190 | 2,260 | 2,270 | 0.4 |
| Bacchus Marsh (S) | 567.10 | 9,280 | 11,110 | 11,670 | 5.0 |
| Ballarat (C) | 34.18 | 36,940 | 36,780 | 36,950 | 0.5 |
| Ballan (S) | 911.70 | 3,180 | 4,040 | 4,300 | 6.4 |
| Ballarat (S) (Pt A & Pt B) | 475.70 | 19,580 | 19,520 | 19,820 | 1.5 |
| Bungaree (S) (Pt A & Pt B) | 234.00 | 4,100 | 4,510 | 4,600 | 2.0 |
| Buninyong (S) (Pt A & Pt B) | 762.70 | 9,810 | 11,370 | 11,710 | 3.0 |
| Creswick (S) | 540.90 | 4,520 | 4,850 | 4,920 | 1.4 |
| Daylesford and Glenlyon (S) | 606.00 | 5,060 | 5,800 | 5,860 | 1.0 |
| Grenville (S) (Pt A & Pt B) | 843.40 | 6,040 | 7,630 | 7,950 | 4.2 |
| Lexton (S) | 815.90 | 1,330 | 1,490 | 1,550 | 4.0 |
| Ripon (S) | 1,516.00 | 3,370 | 3,650 | 3,690 | 1.1 |
| Sebastopol (B) | 7.78 | 7,060 | 7,380 | 7,560 | 2.4 |
| Talbot and Clunes (S) | 525.60 | 2,050 | 2,390 | 2,420 | 1.3 |
| Total division | 12,665.00 | 127,160 | 135,600 | 138,150 | 1.9 |
| WIMMERA STATISTICAL DIVISION | | | | | |
| Arapiles (S) | 1,987.00 | 1,920 | 1,940 | 1,940 | 0.0 |
| Birchip (S) (c) | 1,482.00 | 1,420 | 1,350 | 1,330 | -1.5 |
| Dimboola (S) | 4,764.00 | 4,500 | 4,170 | 4,100 | -1.7 |
| Donald (S) (c) | 1,438.00 | 2,540 | 2,490 | 2,500 | 0.4 |
| Dunmunkle (S) (c) | 1,544.00 | 3,060 | 2,850 | 2,820 | -1.1 |
| Horsham (C) | 24.20 | 12,690 | 12,970 | 13,160 | 1.5 |
| Kaniva (S) | 3,058.00 | 1,840 | 1,770 | 1,750 | -1.1 |
| Karkaroc (S) | 3,782.00 | 3,070 | 2,850 | 2,830 | -0.7 |
| Kowree (S) | 5,469.00 | 3,920 | 3,770 | 3,740 | -0.8 |
| Lowan (S) | 2,697.00 | 3,420 | 3,400 | 3,420 | 0.6 |
| Stawell (T) | 23.99 | 6,490 | 6,710 | 6,790 | 1.2 |
| Stawell (S) | 2,606.00 | 2,430 | 2,650 | 2,670 | 0.8 |
| Warracknabeal (S) | 1,811.00 | 3,930 | 3,910 | 3,900 | -0.3 |
| Wimmera (S) | 2,701.00 | 2,960 | 2,980 | 3,000 | 0.7 |
| Total division | 33,388.00 | 54,170 | 53,810 | 53,950 | 0.3 |

**TABLE 2.4 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS,
VICTORIA - continued**

| Statistical Local Area (a) | Area at 30 June 1990 (b) (sq km) | Estimated resident population at 30 June | | | Percentage change 1989 to 1990 |
|---|--|--|----------------|----------------|--------------------------------------|
| | | 1985 | 1989 | 1990 | |
| NORTHERN MALLEE STATISTICAL DIVISION | | | | | |
| Kerang (B) | 23.79 | 4,200 | 4,090 | 4,090 | 0.0 |
| Kerang (S) | 3,261.00 | 4,550 | 4,450 | 4,450 | 0.0 |
| Mildura (C) | 30.08 | 17,580 | 20,070 | 20,780 | 3.5 |
| Mildura (S) | 10,639.00 | 19,620 | 20,370 | 2,070 | 1.6 |
| Swan Hill (C) | 23.30 | 9,000 | 9,190 | 9,530 | 3.7 |
| Swan Hill (S) | 5,960.00 | 12,490 | 12,400 | 11,940 | -3.7 |
| Walpeup (S) | 11,875.00 | 3,630 | 3,450 | 3,420 | -0.9 |
| Wycheproof (S) (c) | 3,959.00 | 3,550 | 3,250 | 3,180 | -2.2 |
| Total division | 35,771.00 | 74,610 | 77,270 | 78,090 | 1.1 |
| LODDON-CAMPASPE STATISTICAL DIVISION | | | | | |
| Bendigo (C) | 32.19 | 32,600 | 32,140 | 32,230 | 0.3 |
| Bet Bet (S) | 925.00 | 1,920 | 2,210 | 2,250 | 1.8 |
| Castlemaine (C) | 23.48 | 6,870 | 7,190 | 7,220 | 0.4 |
| Charlton (S) | 1,168.00 | 2,060 | 1,970 | 1,950 | -1.0 |
| Cohuna (S) | 498.60 | 4,650 | 4,520 | 4,500 | -0.4 |
| Eaglehawk(B) | 14.89 | 8,440 | 8,920 | 8,990 | 0.8 |
| East Loddon (S) | 1,181.00 | 1,430 | 1,330 | 1,320 | -0.8 |
| Echuca (C) | 24.19 | 8,560 | 9,230 | 9,480 | 2.7 |
| Gisborne (S) | 281.30 | 8,280 | 9,540 | 9,990 | 4.7 |
| Gordon (S) | 2,054.00 | 3,040 | 3,040 | 3,030 | -0.3 |
| Huntly (S) (Pt A & Pt B) | 870.70 | 3,840 | 4,460 | 4,560 | 2.2 |
| Kara Kara (S) | 2,287.00 | 1,270 | 1,400 | 1,430 | 2.1 |
| Korong (S) | 2,379.00 | 3,360 | 3,620 | 3,680 | 1.7 |
| Kyneton (S) | 722.80 | 7,910 | 8,590 | 8,650 | 0.7 |
| McIvor (S) | 1,433.00 | 2,580 | 3,100 | 3,180 | 2.6 |
| Maldon (S) | 554.20 | 2,600 | 2,840 | 2,900 | 2.1 |
| Marong (S) (Pt A & Pt B) | 1,455.00 | 11,680 | 13,480 | 13,900 | 3.1 |
| Maryborough (C) | 22.35 | 7,910 | 7,850 | 7,850 | 0.0 |
| Metcalfe (S) | 586.30 | 2,730 | 3,120 | 3,210 | 2.9 |
| Newham and Woodend (S) | 244.00 | 4,320 | 5,100 | 5,300 | 3.9 |
| Newstead(S) | 409.90 | 2,410 | 2,650 | 2,770 | 4.5 |
| Pyalong (S) | 596.50 | 660 | 680 | 760 | 11.8 |
| Rochester (S) | 1,924.00 | 7,480 | 7,420 | 7,450 | 0.4 |
| Romsey (S) | 627.90 | 5,850 | 7,360 | 7,650 | 3.9 |
| St Arnaud (T) | 26.70 | 2,770 | 2,750 | 2,760 | 0.4 |
| Strathfieldsaye (S) (Pt A & Pt B) | 609.50 | 14,640 | 17,220 | 17,940 | 4.2 |
| Tullaroop (S) | 630.90 | 2,240 | 2,710 | 2,790 | 3.0 |
| Total division | 21,584.00 | 162,100 | 174,430 | 177,740 | 1.9 |
| GOULBURN STATISTICAL DIVISION | | | | | |
| Alexandra (S) (c) | 2,228.00 | 5,500 | 6,120 | 6,250 | 2.1 |
| Benalla (C) | 16.21 | 8,820 | 9,110 | 9,190 | 0.9 |
| Benalla (S) | 2,311.00 | 4,890 | 5,530 | 5,640 | 2.0 |
| Broadford (S) | 570.30 | 3,070 | 3,780 | 3,970 | 5.0 |
| Cobram (S) | 342.90 | 6,450 | 6,540 | 6,410 | -2.0 |
| Deakin (S) | 934.00 | 5,990 | 5,880 | 5,880 | 0.0 |

**TABLE 2.4 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS,
VICTORIA - continued**

| Statistical Local Area (a) | Area at 30 June 1990 (b) (sq km) | Estimated resident population at 30 June | | | Percentage change 1989 to 1990 |
|--|--|--|----------------|----------------|--------------------------------------|
| | | 1985 | 1989 | 1990 | |
| GOULBURN STATISTICAL DIVISION - continued | | | | | |
| Euroa (S) | 1,406.00 | 4,480 | 4,560 | 4,620 | 1.3 |
| Goulburn (S) | 1,029.00 | 2,300 | 2,470 | 2,510 | 1.6 |
| Kilmore (S) | 505.90 | 6,300 | 8,010 | 8,460 | 5.6 |
| Kyabram (T) | 21.14 | 5,630 | 5,700 | 5,760 | 1.1 |
| Mansfield (S) | 3,929.00 | 5,240 | 5,870 | 6,080 | 3.6 |
| Nathalia (S) | 1,253.00 | 3,330 | 3,440 | 3,510 | 2.0 |
| Numurkah (S) | 820.00 | 6,430 | 6,580 | 6,890 | 4.7 |
| Rodney (S) (Pt A & Pt B) | 1,022.00 | 15,260 | 15,780 | 16,060 | 1.8 |
| Seymour (S) | 956.70 | 11,510 | 11,430 | 11,520 | 0.8 |
| Shepparton (C) | 26.59 | 25,510 | 26,490 | 26,760 | 1.0 |
| Shepparton (S) (Pt A & Pt B) | 920.90 | 8,120 | 8,740 | 9,000 | 3.0 |
| Tungamah (S) | 1,130.00 | 2,840 | 2,840 | 2,860 | 0.7 |
| Violet Town (S) | 934.40 | 1,450 | 1,510 | 1,520 | 0.7 |
| Waranga (S) | 1,611.00 | 4,480 | 4,600 | 4,660 | 1.3 |
| Yea (S) | 1,419.00 | 4,240 | 4,770 | 4,880 | 2.3 |
| Total division | 23,387.00 | 141,840 | 149,750 | 152,440 | 1.8 |
| NORTH EASTERN STATISTICAL DIVISION | | | | | |
| Beechworth (S) | 764.90 | 4,820 | 5,060 | 5,130 | 1.4 |
| Bright (S) | 3,091.00 | 6,110 | 6,640 | 6,800 | 2.4 |
| Chiltern (S) | 491.30 | 2,190 | 2,490 | 2,590 | 4.0 |
| Myrtleford (S) | 821.30 | 4,340 | 4,440 | 4,440 | 0.0 |
| Oxley (S) | 2,812.00 | 5,440 | 5,820 | 5,900 | 1.4 |
| Rutherglen (S) | 527.70 | 3,060 | 3,260 | 3,390 | 4.0 |
| Tallangatta (S) (Pt A & Pt B) | 4,187.00 | 3,980 | 4,130 | 4,210 | 1.9 |
| Upper Murray (S) | 2,468.00 | 2,540 | 2,510 | 2,530 | 0.8 |
| Wangaratta (C) | 26.91 | 16,620 | 16,360 | 16,300 | -0.4 |
| Wangaratta (S) | 906.60 | 3,010 | 3,270 | 3,290 | 0.6 |
| Wodonga (Rural City) | 345.50 | 22,570 | 25,820 | 26,660 | 3.3 |
| Yackandandah (S) (Pt A & Pt B) | 1,086.00 | 4,040 | 4,450 | 4,510 | 1.3 |
| Yarrowonga (S) | 638.30 | 4,680 | 5,130 | 5,260 | 2.5 |
| Total division | 18,166.00 | 83,180 | 89,370 | 91,020 | 1.8 |
| EAST GIPPSLAND STATISTICAL DIVISION | | | | | |
| Avon (S) | 2,615.00 | 4,330 | 4,450 | 4,390 | -1.3 |
| Bairnsdale (T) | 28.79 | 10,200 | 10,720 | 10,950 | 2.1 |
| Bairnsdale (S) | 2,449.00 | 6,520 | 7,400 | 7,540 | 1.9 |
| Maffra (S) | 4,162.00 | 9,820 | 10,510 | 10,630 | 1.1 |
| Omeo (S) | 5,636.00 | 1,650 | 1,900 | 1,900 | 0.0 |
| Orbost (S) | 9,347.00 | 6,330 | 6,610 | 6,620 | 0.2 |
| Sale (C) | 30.09 | 13,550 | 13,830 | 14,010 | 1.3 |
| Tambo (S) | 3,525.00 | 8,870 | 10,220 | 10,560 | 3.3 |
| Bass Strait Islands | 23.89 | - | - | - | - |
| Total division | 27,817.00 | 61,270 | 65,640 | 66,600 | 1.5 |

**TABLE 2.4 ESTIMATED RESIDENT POPULATION IN STATISTICAL LOCAL AREAS,
VICTORIA - continued**

| Statistical Local Area (a) | Area at 30 June 1990 (b) (sq km) | Estimated resident population at 30 June | | | Percentage change 1989 to 1990 |
|---|--|--|------------------|------------------|--------------------------------------|
| | | 1985 | 1989 | 1990 | |
| CENTRAL GIPPSLAND STATISTICAL DIVISION | | | | | |
| Alberton (S) | 1,878.00 | 6,230 | 6,430 | 6,550 | 1.9 |
| Buln Buln (S) | 1,251.00 | 10,560 | 11,200 | 11,370 | 1.5 |
| Korumburra (S) | 613.50 | 7,100 | 7,610 | 7,810 | 2.6 |
| Mirboo (S) | 260.70 | 2,510 | 2,550 | 2,650 | 3.9 |
| Moe (C) | 24.93 | 17,600 | 17,820 | 17,990 | 1.0 |
| Morwell (S) (Pt A & Pt B) | 654.70 | 28,360 | 28,130 | 28,010 | -0.4 |
| Narracan (S) | 2,320.00 | 11,120 | 11,330 | 11,460 | 1.1 |
| Rosedale (S) | 2,256.00 | 7,890 | 9,020 | 9,230 | 2.3 |
| South Gippsland (S) | 1,358.00 | 6,040 | 6,230 | 6,310 | 1.3 |
| Traralgon (C) (c) | 22.26 | 19,780 | 20,760 | 21,040 | 1.3 |
| Traralgon (S) (c) | 464.00 | 4,110 | 4,460 | 4,520 | 1.3 |
| Warragul (S) | 347.00 | 12,150 | 12,880 | 13,100 | 1.7 |
| Woorayl (S) | 1,226.00 | 11,060 | 11,930 | 12,350 | 3.5 |
| Yallourn Works Area | 27.86 | - | - | - | |
| Total division | 12,704.00 | 144,510 | 150,350 | 152,380 | 1.4 |
| EAST CENTRAL STATISTICAL DIVISION | | | | | |
| Bass (S) | 515.90 | 4,000 | 4,610 | 4,810 | 4.3 |
| Cranbourne (S) (Pt B) | 351.00 | 4,060 | 4,340 | 4,450 | 2.5 |
| Healesville (S) (Pt B) (c) | 168.5 | 1,150 | 1,330 | 1,350 | 1.5 |
| Pakenham (S) (Pt B) | 738.00 | 15,890 | 19,410 | 20,100 | 3.6 |
| Phillip Island (S) | 100.90 | 4,050 | 4,990 | 5,200 | 4.2 |
| Upper Yarra (S) (c) | 1,743.00 | 13,190 | 15,200 | 15,560 | 2.4 |
| Wonthaggi (B) | 58.22 | 6,010 | 6,480 | 6,700 | 3.4 |
| French Island | 172.50 | 70 | 70 | 70 | 0.0 |
| Total division | 3,849.00 | 48,420 | 56,420 | 58,250 | 3.2 |
| STATISTICAL DIVISIONS - SUMMARY | | | | | |
| Melbourne | 6,129.00 | 2,909,100 | 3,043,500 | 3,080,900 | 1.2 |
| Rest of Victoria - | | | | | |
| Barwon | 8,128.00 | 209,440 | 221,520 | 225,550 | 1.8 |
| South Western | 24,065.00 | 102,360 | 103,850 | 104,770 | 0.9 |
| Central Highlands | 12,665.00 | 127,160 | 135,600 | 138,150 | 1.9 |
| Wimmera | 33,388.00 | 54,170 | 53,810 | 53,950 | 0.3 |
| Northern Mallee | 35,771.00 | 74,610 | 77,270 | 78,090 | 1.1 |
| Loddon-Campaspe | 21,584.00 | 162,100 | 174,430 | 177,740 | 1.9 |
| Goulburn | 23,387.00 | 141,840 | 149,750 | 152,440 | 1.8 |
| North Eastern | 18,166.00 | 83,500 | 89,370 | 91,020 | 1.8 |
| East Gippsland | 27,817.00 | 61,270 | 65,640 | 66,600 | 1.5 |
| Central Gippsland | 12,704.00 | 144,510 | 150,350 | 152,380 | 1.4 |
| East Central | 3,849.00 | 48,420 | 56,420 | 58,250 | 3.2 |
| Total Rest of Victoria | 221,524.00 | 1,209,370 | 1,278,010 | 1,299,090 | 1.6 |
| Offshore and Migratory (d) | - | - | - | - | |
| Total Victoria | 227,653.00 | 4,118,500 | 4,321,500 | 4,379,800 | 1.3 |

(a) The designation of City (C), Town (T), Borough (B), or Shire (S) shown against the name of each Statistical Local Area indicates its status at 30 June 1989.

(b) Areas below 100 square kilometres have been calculated to two decimal places; areas from 100 to 999 square kilometres to one decimal place, and areas of 1,000 or more square kilometres to the nearest whole number.

(c) Indicates changes have occurred in Statistical Local Areas between 1 July 1982 to 30 June 1990.

(d) Not available for intercensal years.



TABLE 2.5 TOP TEN STATISTICAL LOCAL AREAS BY INCREASE IN ESTIMATED RESIDENT POPULATION AND PERCENTAGE CHANGE, VICTORIA, 30 JUNE 1985 - 30 JUNE 1990

| <i>Top ten increase by percentage change</i> | | | <i>Top ten increase by numeric change</i> | | |
|--|-----------------|---------------|---|---------------|-----------------|
| <i>Statistical Local Area</i> | <i>Per cent</i> | <i>Number</i> | <i>Statistical Local Area</i> | <i>Number</i> | <i>Per cent</i> |
| Cranbourne (Pt.A) | 54.9 | 23,000 | Cranbourne (Pt.A) | 23,000 | 54.9 |
| Berwick | 46.1 | 21,700 | Berwick | 21,700 | 46.1 |
| Werribee | 44.7 | 21,500 | Werribee | 21,500 | 44.7 |
| Bulla | 40.8 | 10,900 | Knox | 21,000 | 20.4 |
| Ballan | 35.2 | 1,120 | Whittlesea | 15,900 | 20.2 |
| Kilmore | 34.3 | 2,160 | Keilor | 12,900 | 13.8 |
| Grenville | 31.6 | 1,910 | Bulla | 10,900 | 40.8 |
| Romsey | 30.8 | 1,800 | Lillydale | 9,100 | 12.6 |
| Barrabool | 30.2 | 2,100 | Bellarine | 7,020 | 19.6 |
| Broadford | 29.3 | 900 | Flinders | 6,900 | 20.8 |

TABLE 2.6 URBAN CENTRES AND (RURAL) LOCALITIES WITH A POPULATION OF OVER 650 PERSONS, IN SIZE ORDER, VICTORIA, 30 JUNE 1986

| <i>Urban centre/ (rural) locality</i> | <i>Population</i> | <i>Urban centre/ (rural) locality</i> | <i>Population</i> |
|---|-------------------|---|-------------------|
| Melbourne | 2,645,484 | Lakes Entrance | 4,104 |
| Geelong | 125,833 | Kerang | 4,031 |
| Ballarat | 63,802 | Kyneton | 4,010 |
| Bendigo | 53,944 | Drouin | 3,974 |
| Shepparton-Mooroopna | 30,238 | Maffra | 3,973 |
| Melton | 24,394 | Leongatha | 3,957 |
| Warrnambool | 22,706 | Queenscliff | 3,739 |
| Albury-Wodonga (Wodonga Part) | 20,918 | Clifton Springs | 3,657 |
| Mildura | 20,512 | Cobram | 3,651 |
| Traralgon | 19,233 | Emerald | 3,608 |
| Moe-Yallourn | 18,376 | Torquay | 3,522 |
| Wangaratta | 16,598 | Camperdown | 3,458 |
| Morwell | 16,387 | Leopold | 3,452 |
| Sunbury | 15,297 | Somerville | 3,432 |
| Cranbourne | 14,005 | Yarrawonga-Mulwala (Yarrawonga Part) | 3,388 |
| Sale | 13,559 | Beechworth | 3,252 |
| Horsham | 12,174 | Daylesford | 3,111 |
| Portland | 10,934 | Pakenham | 3,052 |
| Colac | 10,545 | Myrtleford | 2,853 |
| Bairnsdale | 10,328 | Numurkah | 2,840 |
| Hamilton | 9,969 | Hurstbridge | 2,808 |
| Swan Hill | 8,831 | Korumburra | 2,773 |
| Ocean Grove-Barwon Heads | 8,680 | Euroa | 2,730 |
| Benalla | 8,490 | Tatura | 2,702 |
| Echuca-Moama (Echuca Part) | 8,409 | St Arnaud | 2,692 |
| Warragul | 8,170 | Warracknabeal | 2,689 |
| Ararat | 8,015 | Port Fairy | 2,504 |
| Maryborough | 7,705 | Orbost | 2,502 |
| Castlemaine | 7,656 | Red Cliffs | 2,450 |
| Bacchus Marsh | 7,640 | Rochester | 2,395 |
| Craigieburn | 6,584 | Warburton | 2,304 |
| Seymour | 6,510 | Portarlington | 2,271 |
| Stawell | 6,252 | Creswick | 2,266 |
| Healesville | 5,759 | Cowes | 2,251 |
| Churchill | 5,526 | Woodend | 2,219 |
| Wonthaggi | 5,346 | Paynesville | 2,209 |
| Kyabram | 5,342 | Trafalgar | 2,149 |
| Hastings | 5,271 | Woori Yallock | 2,111 |
| Lara | 5,186 | Cohuna | 2,103 |
| Crib Point | 4,180 | | |

TABLE 2.6 URBAN CENTRES AND (RURAL) LOCALITIES WITH A POPULATION OF OVER 650 PERSONS, IN SIZE ORDER, VICTORIA, 30 JUNE 1986 - continued

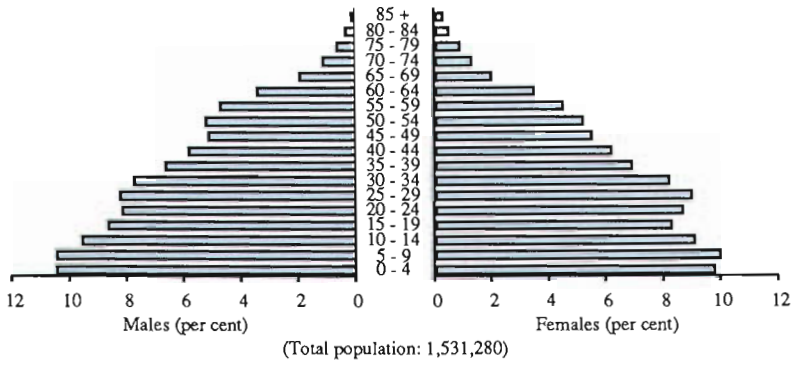
| <i>Urban centre/ (rural) locality</i> | <i>Population</i> | <i>Urban centre/ (rural) locality</i> | <i>Population</i> |
|---|-------------------|---|-------------------|
| Cockatoo | 2,060 | Mirboo North | 1,104 |
| Terang | 2,040 | Nagambie | 1,099 |
| Mansfield | 2,039 | Rosedale | 1,093 |
| Kilmore | 2,029 | Koo-wee-rup | 1,081 |
| Nhill | 2,028 | Tongala | 1,044 |
| Coldstream | 2,016 | Avoca | 1,032 |
| Yarram | 2,004 | Mortlake | 1,030 |
| Gisborne | 1,966 | Yea | 1,017 |
| Broadford | 1,893 | Narre Warren North | 1,011 |
| Casterton | 1,842 | Foster | 1,007 |
| Inverloch | 1,838 | Mount Helen | 1,002 |
| Yarra Junction | 1,810 | Pearcedale (L) | 995 |
| Alexandra | 1,790 | Bunyip (L) | 986 |
| Robinvale | 1,770 | Tallangatta (L) | 963 |
| Merbein | 1,750 | Koroit (L) | 958 |
| Heyfield | 1,689 | Rushworth (L) | 948 |
| Bright | 1,673 | Chiltern (L) | 935 |
| Anglesea | 1,652 | Lorne (H) | 935 |
| Wallan | 1,643 | Winchelsea (L) | 890 |
| Rutherglen | 1,586 | Apollo Bay (H) | 888 |
| Mount Beauty | 1,564 | Wedderburn (L) | 878 |
| Balnarring Beach-Merricks | 1,551 | Irymple (L) | 876 |
| Dimboola | 1,514 | Murtoa (L) | 863 |
| Millgrove | 1,507 | Wycheproof (L) | 854 |
| Ouyen | 1,503 | Sea Lake (L) | 847 |
| Diggers Rest | 1,493 | Ballan (L) | 846 |
| Whittlesea | 1,490 | Birchip (L) | 845 |
| Donald | 1,465 | Lancefield (L) | 826 |
| Cobden | 1,421 | Mallacoota (H) | 826 |
| Heathcote | 1,364 | Kaniva (L) | 821 |
| Launching Place | 1,360 | Edenhope (L) | 819 |
| Nathalia | 1,346 | Clunes (L) | 817 |
| Charlton | 1,341 | Beaconsfield Upper (L) | 809 |
| Buninyong | 1,307 | Boort (L) | 801 |
| Heywood | 1,295 | Timboon (L) | 793 |
| Corryong | 1,274 | Wonga Park (L) | 789 |
| Romsey | 1,266 | Somers (H) | 758 |
| Tyabb | 1,254 | Hopetoun (L) | 750 |
| Stratford | 1,242 | Eildon (L) | 740 |
| Beaufort | 1,199 | Mernda (L) | 737 |
| Seville | 1,173 | Inglewood (L) | 712 |
| St Leonards | 1,170 | Elmore (L) | 698 |
| Yarra Glen | 1,170 | Wandong-Heathcote Junction (L) | 696 |
| Drysdale | 1,166 | Mount Macedon (L) | 682 |
| Carrum Downs | 1,161 | Bannockburn (L) | 662 |
| Coleraine | 1,153 | Rainbow (L) | 655 |
| Riddells Creek | 1,153 | Tooradin (L) | 655 |
| Macedon | 1,137 | Yarragon (L) | 652 |
| Maldon | 1,116 | Gembrook (L) | 650 |

Age distribution

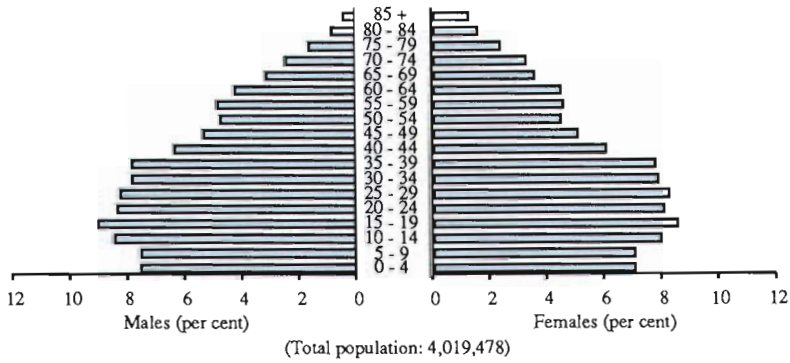
In 1990, 29.6 per cent of persons in Victoria were under 20 years of age, a decrease of 0.4 per cent on the 1989 figure. The proportion of persons over 60 years of age was 15.7 per cent, almost twice the 7.9 per cent who were aged over 60 years in 1901. This proportion is projected to increase to 24.3 per cent by the year 2021.

POPULATION AGE PYRAMIDS, VICTORIA

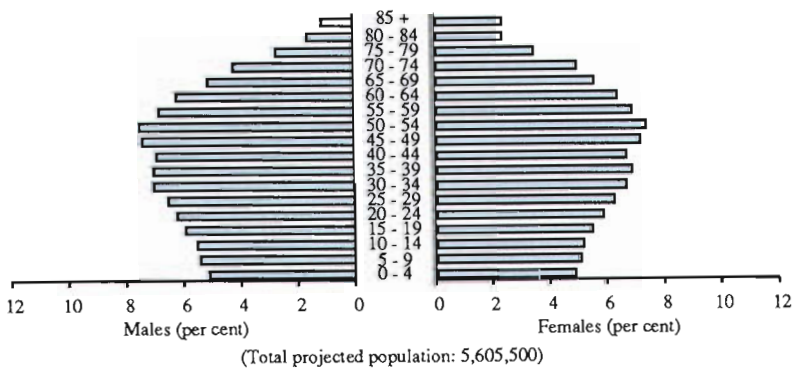
1921 Census



1986 Census



2021 (projected)



**TABLE 2.7 ESTIMATED RESIDENT POPULATION BY AGE GROUPS, VICTORIA,
30 JUNE 1990**

| Age group (years) | Males | | Females | | Persons | |
|-------------------|------------------|--------------|------------------|--------------|------------------|--------------|
| | Number | Per cent | Number | Per cent | Number | Per cent |
| 0-4 | 161,393 | 7.4 | 153,916 | 7.0 | 315,309 | 7.2 |
| 5-9 | 158,629 | 7.3 | 152,356 | 6.9 | 310,985 | 7.1 |
| 10-14 | 158,524 | 7.3 | 150,007 | 6.8 | 308,531 | 7.0 |
| 15-19 | 184,786 | 8.5 | 176,864 | 8.0 | 361,650 | 8.3 |
| 20-24 | 183,721 | 8.4 | 178,515 | 8.1 | 362,236 | 8.3 |
| 25-29 | 183,351 | 8.4 | 182,150 | 8.3 | 365,501 | 8.3 |
| 30-34 | 181,016 | 8.3 | 179,174 | 8.1 | 360,190 | 8.2 |
| 35-39 | 166,441 | 7.7 | 167,858 | 7.6 | 334,299 | 7.6 |
| 40-44 | 162,922 | 7.5 | 159,382 | 7.2 | 322,304 | 7.4 |
| 45-49 | 127,746 | 5.9 | 122,532 | 5.6 | 250,278 | 5.7 |
| 50-54 | 108,692 | 5.0 | 104,520 | 4.7 | 213,212 | 4.9 |
| 55-59 | 95,782 | 4.4 | 93,323 | 4.2 | 189,105 | 4.3 |
| 60-64 | 95,243 | 4.4 | 96,570 | 4.4 | 191,813 | 4.4 |
| 65-69 | 79,746 | 3.7 | 90,999 | 4.1 | 170,745 | 3.9 |
| 70-74 | 54,291 | 2.5 | 68,920 | 3.1 | 123,211 | 2.8 |
| 75-79 | 40,273 | 1.9 | 59,164 | 2.7 | 99,437 | 2.3 |
| 80-84 | 21,587 | 1.0 | 38,239 | 1.7 | 59,826 | 1.4 |
| 85 and over | 11,337 | 0.5 | 29,853 | 1.4 | 41,190 | 0.9 |
| Total | 2,175,480 | 100.0 | 2,204,342 | 100.0 | 4,379,822 | 100.0 |

TABLE 2.8 CENSUS COUNTS BY SEX, VICTORIA, 1901 - 1986

| Year | Persons aged 60 years or over | | | | All persons (number) | Persons aged 60 or over as a proportion of all persons(%) |
|------|-------------------------------|---------------------|-------------------|---------------------------------------|-------------------------|---|
| | Males (number) | Females (number) | Total (number) | Number of males per 100 females | | |
| 1901 | 51,801 | 43,451 | 95,342 | 119 | 1,201,341 | 7.9 |
| 1911 | 47,301 | 48,672 | 95,973 | 97 | 1,315,551 | 7.3 |
| 1921 | 60,904 | 65,841 | 126,745 | 93 | 1,531,280 | 8.3 |
| 1933 | 97,316 | 110,065 | 207,381 | 88 | 1,820,261 | 11.4 |
| 1947 | 121,010 | 148,153 | 269,163 | 82 | 2,054,701 | 13.1 |
| 1954 | 140,058 | 178,564 | 318,622 | 78 | 2,452,341 | 13.0 |
| 1961 | 158,645 | 208,723 | 367,368 | 76 | 2,930,113 | 12.5 |
| 1966 | 172,809 | 227,162 | 399,971 | 76 | 3,219,526 | 12.4 |
| 1971 | 186,390 | 244,745 | 431,135 | 76 | 3,502,351 | 12.3 |
| 1976 | 205,225 | 270,547 | 475,772 | 76 | 3,646,973 | 13.0 |
| 1981 | 226,482 | 299,548 | 526,030 | 76 | 3,832,443 | 13.7 |
| 1986 | 260,258 | 339,073 | 599,332 | 77 | 4,019,478 | 14.9 |

**TABLE 2.9 TOP TEN STATISTICAL LOCAL AREAS BY NUMBER OF PERSONS AGED
0 - 14 AND NUMBER OF PERSONS AGED 60 AND OVER, VICTORIA, 30 JUNE 1990**

| Highest percentage 0 - 14 years old | | Highest percentage 60 years and over | |
|-------------------------------------|----------|--------------------------------------|----------|
| Statistical Local Area | Per cent | Statistical Local Area | Per cent |
| Melton | 29.6 | Queenscliffe | 35.2 |
| Huntly (Pt.A) | 29.5 | Flinders | 31.0 |
| Grenville (Pt.A) | 29.2 | Phillip Island | 30.2 |
| Bungaree (Pt.B) | 29.2 | Dunmunkle | 26.1 |
| Rosedale | 28.0 | Port Fairy | 26.1 |
| Bulla | 27.8 | Castlemaine | 26.0 |
| Seymour | 27.6 | Dimboola | 25.8 |
| Kilmore | 27.2 | Brighton | 25.4 |
| Mirboo | 27.1 | Euroa | 25.4 |
| Romsey | 27.1 | Sandringham | 25.2 |

Population increase

The components of population growth are natural increase (the number by which live births exceeds deaths in the State of usual residence) and net migration, both from interstate and overseas. During the period 1986 to 1990 natural increase rose from 29,094 in 1986 to a high of 33,686 in 1990. Although net overseas migration increased noticeably from 20,158 in 1985 to 40,892 in 1989, the 1990 figure shows a reversal of the trend of increasing annual numbers of overseas settlers arriving in Victoria, with 32,825 overseas-born persons arriving. Net interstate migration resulted in an outflow from Victoria of 8,173; though this outflow continues the trend of the previous years it is a much smaller figure than the high recorded in 1988 of 14,802. In 1990 total net migration made up 42 per cent of Victoria's total population increase of 58,338.

TABLE 2.10 COMPONENTS OF POPULATION INCREASE, VICTORIA

| Year (a) | Natural increase | Net migration | | | Total population increase |
|----------|------------------|---------------|------------|--------|---------------------------|
| | | Overseas | Interstate | Total | |
| MALES | | | | | |
| 1985 | 14,912 | 10,258 | -3,064 | 7,194 | 22,106 |
| 1986 | 14,447 | 13,746 | -6,912 | 6,834 | 21,281 |
| 1987 | 15,202 | 15,421 | -6,632 | 8,789 | 23,991 |
| 1988 | 14,918 | 19,103 | -6,428 | 12,675 | 27,593 |
| 1989 | 15,766 | 20,434 | -6,763 | 13,671 | 29,437 |
| 1990 | 16,721 | 16,263 | -4,264 | 11,999 | 28,720 |
| FEMALES | | | | | |
| 1985 | 15,357 | 9,900 | -2,735 | 7,165 | 22,522 |
| 1986 | 14,647 | 12,674 | -6,289 | 6,385 | 21,032 |
| 1987 | 15,353 | 15,562 | -6,816 | 8,746 | 24,099 |
| 1988 | 15,659 | 18,121 | -8,374 | 9,747 | 25,406 |
| 1989 | 15,770 | 20,458 | -6,126 | 14,332 | 30,102 |
| 1990 | 16,965 | 16,562 | -3,909 | 12,653 | 29,618 |
| PERSONS | | | | | |
| 1985 | 30,269 | 20,158 | -5,799 | 14,359 | 44,628 |
| 1986 | 29,094 | 26,420 | -13,201 | 13,219 | 42,313 |
| 1987 | 30,555 | 30,983 | -13,448 | 17,535 | 48,090 |
| 1988 | 30,577 | 37,224 | -14,802 | 22,422 | 52,999 |
| 1989 | 31,536 | 40,892 | -12,889 | 28,003 | 59,539 |
| 1990 | 33,686 | 32,825 | -8,173 | 24,652 | 58,338 |

(a) Year ended 30 June.

Births

In 1990 there were 66,970 live births registered to women resident in Victoria. This represented an increase of 4.6 per cent on the 64,002 births recorded in 1989. The 1990 crude birth rate in Victoria was 15.3 per 1,000 population. The Australian crude birth rate was 15.4 per 1,000 population in 1990. The Victorian crude birth rate has remained below the Australian rate since the early 1970s.

The general rise in the birth rate was reflected in trends in the age-specific birth rates. However, there was a decrease in the age-specific birth rates for the 20 to 24 and 25 to 29 year age groups.

During the 1980s the number of ex-nuptial births has risen steadily to 11,750 in 1990, which represented 17.5 per cent of total live births.

Deaths

In 1990 there were 30,986 deaths registered of Victorian residents in Australia. This was a decrease of 4.4 per cent from the 32,357 deaths recorded in 1989, compared with the 5.3 per cent increase from 1988 to 1989. The crude death rate fell from 7.5 per 1,000 population in 1989 to 7.1 in 1990.

The infant mortality rate (deaths of children under one year) rose from 6.6 per 1,000 live births in 1989 to 7.8 in 1990. The mortality rate for male infants was consistently higher than that for females. In 1990 the rate was 8.9 for males and 7.0 for females.

There were 715 perinatal deaths (stillbirths and deaths within 28 days of birth) in 1990. This represents a death rate of 13.1 per 1,000 live and stillbirths.

The decline in the death rate was reflected in increased life expectancy at birth. In 1990 the life expectancy for males was 73.6 years and for females it was 79.7 years.

Marriages

There were 30,120 marriages registered in Victoria during 1990, slightly less than in 1989. As a consequence, the number of marriages per thousand of the population (crude marriage rate) declined slightly from 7.1 in 1989 to 6.9 in 1990. For almost 70 per cent of couples married in 1990 it was the first marriage for both partners. In 17.2 per cent of marriages registered, one partner had previously been married, and in 13.2 per cent of marriages both parties had been married before.

Of these marriages, 60.0 per cent were performed by ministers of religion and 40.0 per cent by civil celebrants. During the 1980s there was a gradual increase in the number of weddings performed by celebrants.

The median age for bridegrooms was 28 years in 1990, an increase from 1989 when the median age was 26 years. Similarly, the median age for brides rose from 24.7 years in 1989 to 25.9 years in 1990. Almost 35 per cent of bridegrooms in 1990 were aged between 25 and 29, and 38 per cent of brides were aged between 20 and 24. During the 1980s there was a gradual increase in the proportion of people marrying for the first time in their late twenties and early thirties.

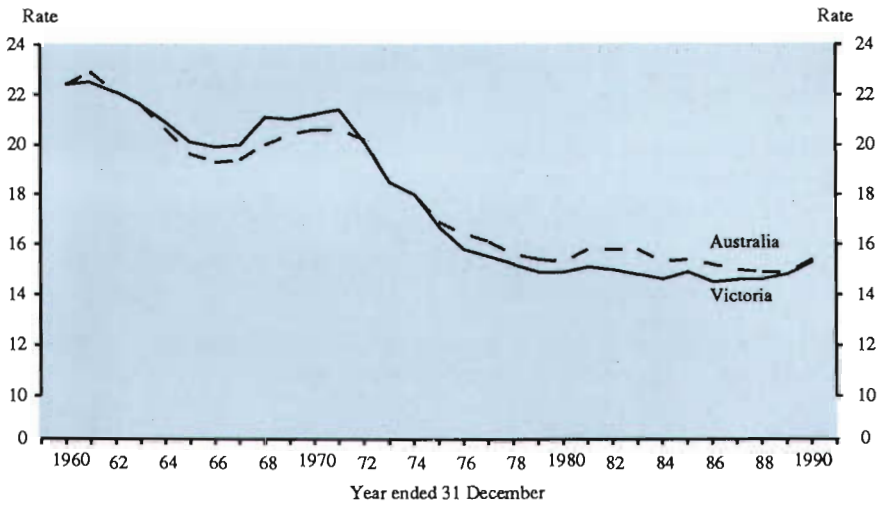
Divorces

The number of divorces granted in Victoria in 1990 was 10,406, slightly more than in 1989. As a result, the number of divorces per thousand of the population (i.e. the crude divorce rate) remained stable at 2.4. Generally, during the 1980s, the number of divorces gradually declined during the years between 1982 and 1987, but in 1988 started to slightly increase.

The median duration of marriage decreased to 10.0 years for divorcing couples in 1990. More noticeably, the median interval between marriage and separation steadily declined during the 1980s, from 8 years in 1982 to 7.3 years in 1990. Of the 10,406 couples divorced in 1990, almost 55 per cent had children. Of those divorced in this period, 15.0 per cent of males and 14.0 per cent of females had been divorced at least once before.

The divorce rate was highest for males in the 30 to 34 years age group and for females in the 25 to 29 years age group. Almost 34 per cent of males divorced in 1990 were aged between 30 and 44, and almost 33 per cent of females divorced in 1990 were also in this age group.

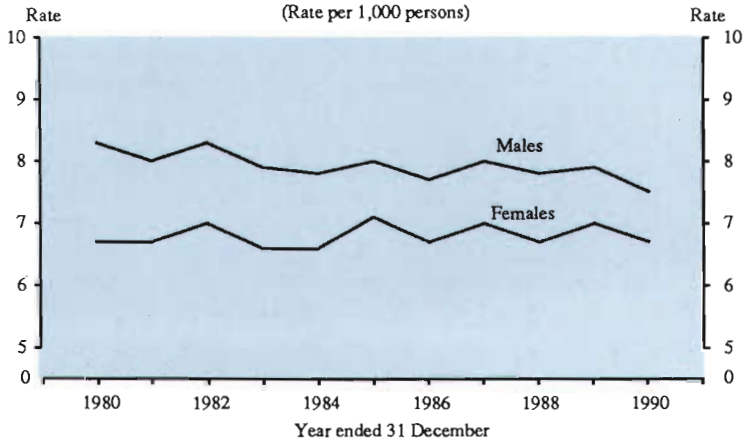
CRUDE BIRTH RATES (a), 1960 - 1990



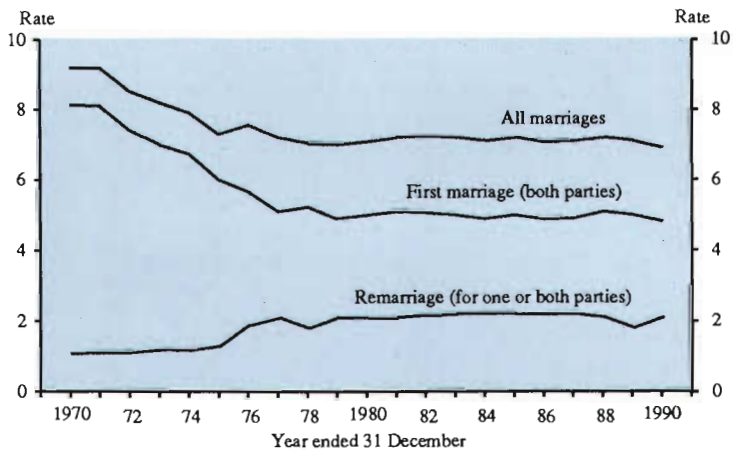
(a) Number of live births registered during calendar year per 1,000 mean estimated population.

CRUDE DEATH RATES, VICTORIA, 1980 - 1990

(Rate per 1,000 persons)

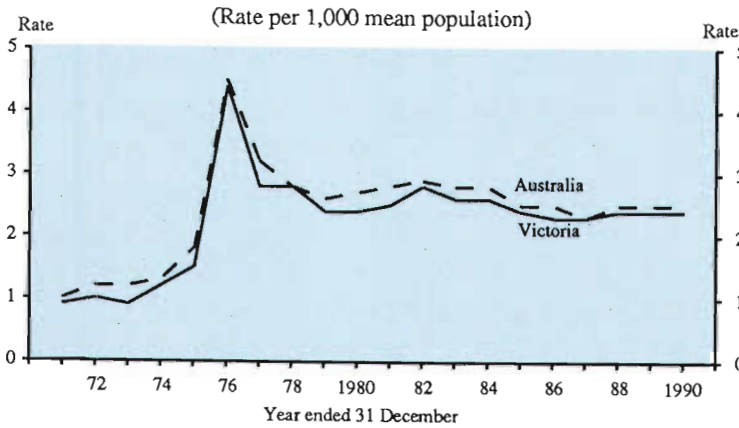


CRUDE MARRIAGE RATES (a), VICTORIA, 1970 - 1990



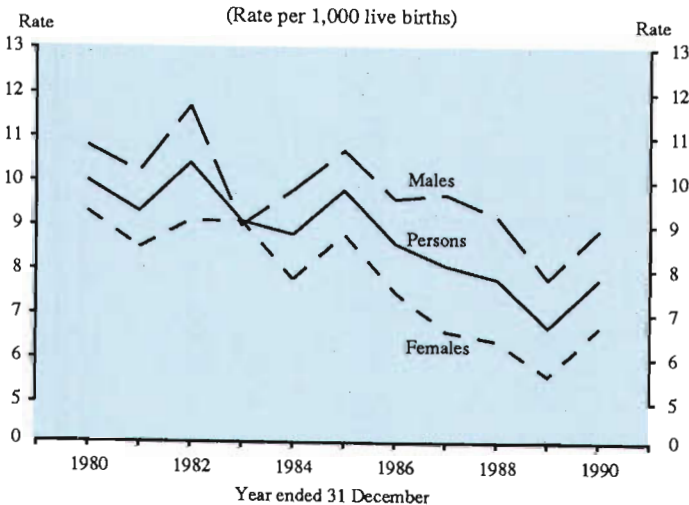
(a) Number of marriages per 1,000 mean estimated resident population.

CRUDE DIVORCE RATES, VICTORIA AND AUSTRALIA, 1971 - 1990



NOTE: Introduction of Family Law Act 1975, effective 5 January 1976.

INFANT MORTALITY RATES, VICTORIA, 1980 - 1990



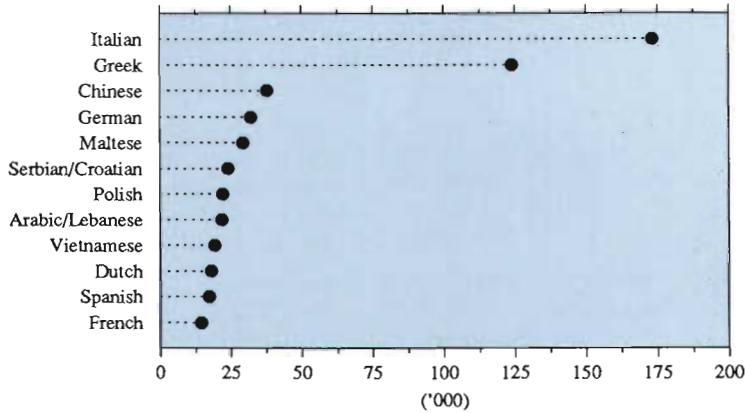
Birthplace, citizenship, and language

The 1986 Census revealed that approximately 915,000 people, or 23.0 per cent of Victoria's population, were born overseas. The five birthplace groups with the largest numbers living in Victoria were: UK and Ireland (250,548), Italy (109,208), Greece (67,796), Yugoslavia (59,311) and Germany (33,664).

At the time of the 1986 Census, people born in the USSR had the highest proportion of Australian citizenship for overseas-born people resident in Victoria, with 93.4 per cent. The next highest proportion was 89.2 per cent for people born in Greece. Settlers from the English-speaking countries of New Zealand and the UK and Ireland were among the lowest proportions of people to acquire Australian citizenship, with 24.8 per cent and 39.5 per cent respectively, while settlers from India had the lowest proportion of 21.8 per cent.

In 1986, 725,775 people aged 5 years or over spoke a language other than English at home. Over 173,000 people spoke Italian at home; 70,249 of those were born in Australia. The next most commonly spoken language was Greek with almost 124,000 speakers. People who spoke the Chinese language numbered 38,000, which made it the third most common non-English language spoken at home.

PERSONS WHO SPEAK A LANGUAGE OTHER THAN ENGLISH AT HOME, VICTORIA, 30 JUNE 1986

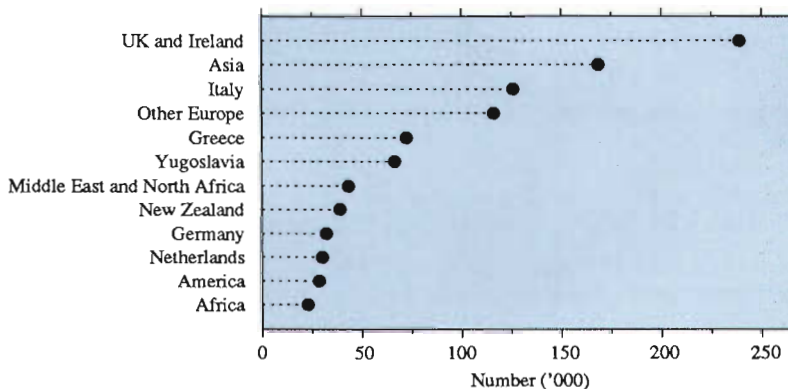


Immigration

The immigration levels of the late 1980s saw an increase in the number of overseas-born people settling in Victoria, from about 20,000 in 1985 to a high of 35,000 people in 1988 and 1989. In 1989, approximately one half of all settler arrivals in Victoria were born in Asia. In the period 1986 to 1989 the largest proportional rise in annual immigration came from people born in the USSR, with an increase of 450 per cent.

During the 12 months to 30 June 1989, UK and Ireland was the largest source of migrants from any birthplace, with 5,094 settlers arriving in Victoria. New Zealand was the next largest source of settlers with 3,715 people, followed by 2,910 arrivals who were born in Vietnam.

OVERSEAS BORN POPULATION AGED 15 YEARS AND OVER BY BIRTHPLACE, VICTORIA, MAY 1991



Religion

In 1986, 69 per cent of the Victorian population reported that they were affiliated with a Christian religion. This was a lower proportion than that recorded in Australia as a whole (73 per cent), and was a decrease since 1976 when 76 per cent of Victorians reported that they held Christian beliefs. Catholicism was the most frequently reported denomination, accounting for 28 per cent of the population. Followers of the Anglican Church (the second largest religious denomination) were less prevalent in Victoria than in Australia as a whole, comprising 18 per cent of the State's population compared with 24 per cent of the Australian population.

In contrast to Christianity, the proportion of people affiliated with non-Christian religions rose from 1.4 per cent to 2.6 per cent over the ten years 1976 to 1986. The proportion of the population who stated that they did not have a religion also rose considerably during this period, from 9 to 14 per cent.

TABLE 2.11 SUMMARY OF VITAL STATISTICS, STATES, TERRITORIES AND AUSTRALIA, 1990

| Particulars | N.S.W. | Vic. | Qld | S.A. | W.A. | Tas. | N.T. | A.C.T. | Australia |
|------------------------|--------|------------|--------|--------|--------|-------|---------|--------|-----------|
| Live births - | | | | | | | | | |
| Males | 46,752 | 34,357 | 23,082 | 10,170 | 13,082 | 3,620 | 1,798 | 2,333 | 135,194 |
| Females | 43,782 | 32,613 | 21,786 | 9,693 | 12,274 | 3,423 | 1,759 | 2,124 | 127,454 |
| Persons | 90,534 | 66,970 | 44,868 | 19,863 | 25,356 | 7,043 | 3,557 | 4,457 | 262,648 |
| Deaths - | | | | | | | | | |
| Males | 23,506 | 16,321 | 10,694 | 5,833 | 5,152 | 2,046 | 514 | 594 | 64,660 |
| Females | 20,307 | 14,665 | 8,627 | 5,105 | 4,255 | 1,667 | 268 | 508 | 55,402 |
| Persons | 43,813 | 30,986 | 19,321 | 10,938 | 9,407 | 3,713 | 782 | 1,102 | 120,062 |
| Infant deaths p | 749 | 523 | 390 | 168 | 205 | 68 | 43 | 46 | 2,125 |
| Perinatal deaths (a) - | | | | | | | | | |
| Number | 938 | 715 | 424 | 208 | 236 | 70 | 61 | 60 | 2,712 |
| Rate (b) | 10.3 | 10.6 | 9.4 | 10.4 | 9.3 | 9.9 | 17.0 | 13.4 | 10.3 |
| Marriages p | 41,450 | 30,120 | 19,671 | 9,609 | 10,613 | 3,026 | 740 | 1,730 | 116,959 |
| Divorces p | 12,414 | 10,406 (c) | 8,509 | 4,066 | 3,845 | 1,170 | 421 (d) | 1,804 | 42,635 |

(a) Perinatal deaths comprise neonatal and foetal deaths.

(b) The number of perinatal deaths per 1,000 live and still births.

(c) Includes 472 divorces heard in Lismore (NSW) but registered in Queensland.

(d) Many divorces registered in the ACT are to applicants normally resident in areas adjacent to the ACT.

TABLE 2.12 SUMMARY OF BIRTHS AND CONFINEMENTS, VICTORIA

| Particulars | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 |
|---------------------------------|--------|--------|--------|--------|--------|--------|
| Live births - | | | | | | |
| Males | 31,497 | 30,855 | 31,605 | 31,688 | 32,841 | 34,336 |
| Females | 30,058 | 29,307 | 29,902 | 30,446 | 31,161 | 32,591 |
| Persons | 61,555 | 60,162 | 61,507 | 62,134 | 64,002 | 66,927 |
| Sex ratio (a) | 104.8 | 105.3 | 105.7 | 104.1 | 105.4 | 105.3 |
| Nuptial births | 54,457 | 52,767 | 53,027 | 52,921 | 53,868 | 55,220 |
| Ex-nuptial births - | | | | | | |
| Number | 7,098 | 7,395 | 8,480 | 9,213 | 10,134 | 11,750 |
| Percentage of total live births | 11.5 | 12.3 | 13.8 | 14.8 | 15.8 | 17.5 |
| Crude birth rate (b) | 14.9 | 14.4 | 14.6 | 14.6 | 14.8 | 15.3 |

TABLE 2.12 SUMMARY OF BIRTHS AND CONFINEMENTS, VICTORIA - *continued*

| Particulars | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|
| Age-specific birth rates (c)- | | | | | | |
| Age group (years)- | | | | | | |
| 15-19 (d) | 15.5 | 14.2 | 14.7 | 14.3 | 14.9 | 15.9 |
| 20-24 | 80.6 | 75.3 | 73.3 | 68.5 | 67.5 | 68.0 |
| 25-29 | 145.8 | 140.7 | 139.6 | 135.4 | 137.0 | 138.7 |
| 30-34 | 91.5 | 92.2 | 95.2 | 97.7 | 102.9 | 109.0 |
| 35-39 | 27.4 | 28.0 | 30.7 | 32.2 | 34.7 | 37.2 |
| 40-44 | 4.5 | 4.2 | 4.9 | 4.7 | 5.4 | 5.8 |
| 45-49 (e) | 0.2 | 0.2 | 0.4 | 0.2 | 0.2 | 0.2 |
| Total fertility (f) | 1,827 | 1,774 | 1,794 | 1,764 | 1,813 | 1,874 |
| Confinements (number) | 60,909 | 59,432 | 60,831 | 61,398 | 63,209 | 66,136 |
| Median age of mother (years) - | | | | | | |
| Nuptial first confinements | 26.5 | 26.8 | 27.1 | 27.4 | 27.6 | 27.8 |
| All nuptial first confinements | 28.1 | 28.4 | 28.6 | 28.8 | 29.1 | 29.3 |
| Ex-nuptial | 23.4 | 23.7 | 23.8 | 24.2 | 24.5 | 24.6 |
| All confinements | 27.8 | 28.0 | 28.2 | 28.4 | 28.6 | 28.8 |
| Median duration of marriage (years) - | | | | | | |
| Nuptial first confinements | 2.6 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |

(a) Number of male live births per 100 female live births.

(b) Number of live births registered during calendar year per 1,000 of mean estimated resident population.

(c) Number of live births registered during calendar year, according to age of mother, per 1,000 of the female estimated resident population of the same age.

(d) Includes births to mothers aged less than 15.

(e) Includes births to mothers aged 50 years and over.

(f) The sum of 5 year age-specific birth rates multiplied by 5. It represents the number of children 1,000 women would bear during their lifetimes if they experienced the rates of the year shown.

TABLE 2.13 SUMMARY OF DEATHS, VICTORIA

| Particulars | 1985 | 1986 | 1987 | 1988 | 1989r | 1990 |
|-------------------------------|--------|--------|--------|--------|--------|--------|
| Deaths - | | | | | | |
| Males | 16,516 | 16,021 | 16,714 | 16,426 | 17,079 | 16,321 |
| Females | 14,837 | 14,154 | 14,835 | 14,300 | 15,300 | 14,665 |
| Persons | 31,353 | 30,175 | 31,549 | 30,726 | 32,379 | 30,986 |
| Sex ratio (a) | 111.3 | 113.2 | 112.7 | 114.9 | 111.6 | 111.3 |
| Crude death rate (b) - | | | | | | |
| Males | 8.0 | 7.7 | 8.0 | 7.8 | 8.0 | 7.5 |
| Females | 7.1 | 6.7 | 7.0 | 6.7 | 7.0 | 6.7 |
| Persons | 7.6 | 7.2 | 7.5 | 7.2 | 7.5 | 7.1 |
| Infant deaths - | | | | | | |
| Males | 337 | 297 | 306 | 291 | 248 | 305 |
| Females | 264 | 220 | 192 | 195 | 166 | 218 |
| Persons | 601 | 517 | 498 | 486 | 414 | 523 |
| Infant mortality rate (c) | 9.8 | 8.6 | 8.1 | 7.8 | 6.6 | 7.8 |
| Median age at death (years) - | | | | | | |
| Males | 71.6 | 71.4 | 72.0 | 72.3 | 72.4 | 72.3 |
| Females | 78.5 | 78.4 | 79.0 | 78.7 | 79.2 | 79.1 |

(a) Number of male deaths per 100 female deaths.

(b) Number of deaths registered per 1,000 of the mean estimated resident population.

(c) Deaths of children under one year of age per 1,000 live births.

TABLE 2.14 SUMMARY OF MARRIAGES, VICTORIA

| <i>Particulars</i> | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 |
|------------------------------------|--------|--------|--------|--------|--------|--------|
| Total marriages - | 29,810 | 29,390 | 29,682 | 30,687 | 30,624 | 30,120 |
| First marriage both partners | 20,544 | 20,287 | 20,622 | 21,531 | 21,412 | 20,968 |
| First marriage one partner | 5,189 | 5,040 | 5,110 | 5,244 | 5,281 | 5,182 |
| Remarriage both partners | 4,077 | 4,063 | 3,950 | 3,912 | 3,931 | 3,970 |
| Crude marriage rate (a) | 7.2 | 7.1 | 7.1 | 7.2 | 7.1 | 6.9 |
| Marriages performed by - | | | | | | |
| Ministers of religion - | | | | | | |
| Number | 18,459 | 18,096 | 18,434 | 18,782 | 18,485 | 18,063 |
| Per cent | 61.9 | 61.6 | 62.1 | 61.2 | 60.4 | 60.0 |
| Civil celebrants - | | | | | | |
| Number | 11,351 | 11,294 | 11,248 | 11,905 | 12,139 | 12,057 |
| Per cent | 38.1 | 38.4 | 37.9 | 38.8 | 39.6 | 40.0 |
| BRIDEGROOM | | | | | | |
| Marital status of bridegroom - | | | | | | |
| Never married | 23,000 | 22,648 | 22,940 | 23,977 | 23,832 | 23,456 |
| Widowed | 726 | 732 | 748 | 712 | 740 | 705 |
| Divorced | 6,084 | 6,010 | 5,994 | 5,998 | 6,052 | 5,959 |
| Total | 29,810 | 29,390 | 29,682 | 30,687 | 30,624 | 30,120 |
| Median age of bridegroom (years) - | | | | | | |
| Never married | 25.5 | 25.7 | 25.9 | 26.2 | 26.3 | 26.6 |
| Widowed | 60.9 | 60.6 | 61.1 | 61.0 | 60.9 | 61.6 |
| Divorced | 37.4 | 38.3 | 38.5 | 38.9 | 38.9 | 39.3 |
| Total | 26.9 | 27.2 | 27.4 | 27.6 | 27.8 | 28.0 |
| Age of bridegroom (years) - | | | | | | |
| Under 20 | 384 | 333 | 316 | 394 | 346 | 303 |
| 20-24 | 9,955 | 9,350 | 8,829 | 8,679 | 8,424 | 7,641 |
| 25-29 | 9,528 | 9,453 | 9,956 | 10,485 | 10,395 | 10,497 |
| 30-34 | 4,242 | 4,237 | 4,514 | 4,798 | 4,992 | 5,117 |
| 35-39 | 2,224 | 2,253 | 2,236 | 2,423 | 2,420 | 2,491 |
| 40-44 | 1,137 | 1,222 | 1,363 | 1,432 | 1,488 | 1,462 |
| 45-49 | 746 | 837 | 788 | 828 | 868 | 923 |
| 50 and over | 1,594 | 1,705 | 1,680 | 1,646 | 1,691 | 1,686 |
| Total | 29,810 | 29,390 | 29,682 | 30,687 | 30,624 | 30,120 |
| BRIDE | | | | | | |
| Marital status of bride - | | | | | | |
| Never married | 23,277 | 22,966 | 23,414 | 24,329 | 24,273 | 23,662 |
| Widowed | 886 | 891 | 905 | 864 | 844 | 798 |
| Divorced | 5,647 | 5,533 | 5,363 | 5,494 | 5,507 | 5,660 |
| Total | 29,810 | 29,390 | 29,682 | 30,687 | 30,624 | 30,120 |
| Median age of bride (years) - | | | | | | |
| Never married | 23.4 | 23.7 | 24.0 | 24.2 | 24.4 | 24.6 |
| Widowed | 53.8 | 53.1 | 52.3 | 52.1 | 53.1 | 52.7 |
| Divorced | 34.3 | 35.0 | 35.1 | 35.5 | 35.7 | 35.9 |
| Total | 24.6 | 25.0 | 25.2 | 25.4 | 25.6 | 25.9 |
| Age of bride (years) - | | | | | | |
| Under 20 | 2,428 | 2,160 | 1,972 | 2,028 | 1,855 | 1,495 |
| 20-24 | 13,387 | 12,609 | 12,491 | 12,407 | 12,046 | 11,426 |
| 25-29 | 6,989 | 7,254 | 7,600 | 8,291 | 8,397 | 8,752 |
| 30-34 | 2,981 | 3,088 | 3,253 | 3,444 | 3,688 | 3,711 |

TABLE 2.14 SUMMARY OF MARRIAGES, VICTORIA - *continued*

| <i>Particulars</i> | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 |
|--------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <i>BRIDE - continued</i> | | | | | | |
| 35-39 | 1,627 | 1,698 | 1,791 | 1,758 | 1,841 | 1,843 |
| 40-44 | 883 | 887 | 983 | 1,133 | 1,150 | 1,153 |
| 45-49 | 524 | 638 | 612 | 657 | 635 | 723 |
| 50 and over | 991 | 1,056 | 980 | 966 | 1,012 | 1,017 |
| Total | 29,810 | 29,390 | 29,682 | 30,687 | 30,624 | 30,120 |

(a) Number of marriages per 1,000 mean estimated resident population.

TABLE 2.15 CIVILIAN POPULATION 15 YEARS AND OVER: MARITAL STATUS, VICTORIA, AS AT 30 JUNE

| <i>Census years</i> | <i>Marital Status</i> | | | | | <i>Total persons</i> |
|---------------------|-----------------------|----------------|--------------------------------|-----------------|----------------|----------------------|
| | <i>Never married</i> | <i>Married</i> | <i>Separated/ not divorced</i> | <i>Divorced</i> | <i>Widowed</i> | |
| MALES | | | | | | |
| - Per cent - | | | | | | Number |
| 1954 | 29.2 | 64.7 | 1.7 | 0.8 | 3.5 | 884,536 |
| 1961 | 29.5 | 64.8 | 1.8 | 0.8 | 3.1 | 1,026,543 |
| 1966 | 30.4 | 64.1 | 1.8 | 0.9 | 2.9 | 1,132,374 |
| 1971 | 29.1 | 65.2 | 1.8 | 1.1 | 2.8 | 1,231,529 |
| 1976 | 29.1 | 64.6 | 2.2 | 1.6 | 2.5 | 1,304,350 |
| 1981 | 31.1 | 61.5 | 2.1 | 2.8 | 2.5 | 1,409,315 |
| 1986 | 32.8 | 59.1 | 2.1 | 3.6 | 2.4 | 1,519,925 |
| FEMALES | | | | | | |
| 1954 | 22.2 | 63.6 | 2.0 | 1.0 | 11.2 | 889,806 |
| 1961 | 21.6 | 64.2 | 2.1 | 1.0 | 11.1 | 1,029,414 |
| 1966 | 22.7 | 62.9 | 2.1 | 1.1 | 11.2 | 1,147,632 |
| 1971 | 21.3 | 64.0 | 2.1 | 1.3 | 11.3 | 1,258,273 |
| 1976 | 21.6 | 62.5 | 2.7 | 2.1 | 11.1 | 1,344,957 |
| 1981 | 23.6 | 59.1 | 2.5 | 3.7 | 11.1 | 1,461,145 |
| 1986 | 25.4 | 57.0 | 2.4 | 4.6 | 10.6 | 1,578,967 |

TABLE 2.16 SUMMARY OF DIVORCES, VICTORIA

| <i>Particulars</i> | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 |
|---------------------------------|-------|-------|-------|--------|--------|--------|
| Divorces granted - | 9,688 | 9,670 | 9,626 | 10,250 | 10,253 | 10,406 |
| Crude divorce rate (a) | 2.4 | 2.3 | 2.3 | 2.4 | 2.4 | 2.4 |
| Median duration | | | | | | |
| of marriage (years) | 10.6 | 10.7 | 10.1 | 10.4 | 10.2 | 10.0 |
| Median interval between | | | | | | |
| marriage and separation (years) | 7.8 | 7.8 | 7.3 | 7.6 | 6.6 | 7.3 |
| Divorces involving children - | 5,809 | 5,705 | 5,509 | 5,867 | 5,596 | 5,712 |
| Percentage of total | 60.0 | 59.0 | 57.2 | 57.2 | 54.6 | 54.9 |
| Average number of children | 1.9 | 2.0 | 1.9 | 1.9 | 1.9 | 1.9 |
| HUSBAND | | | | | | |
| Age-specific divorce rate (b) - | | | | | | |
| Age group (years) - | | | | | | |
| Under 25 | 1.3 | 1.2 | 1.2 | 1.1 | 1.0 | 1.0 |
| 25-29 | 10.1 | 9.5 | 9.2 | 9.2 | 8.7 | 8.7 |
| 30-34 | 11.9 | 11.7 | 12.3 | 12.6 | 12.2 | 12.2 |
| 35-39 | 12.5 | 11.7 | 11.2 | 12.3 | 11.5 | 11.5 |
| 40-44 | 10.6 | 10.3 | 9.8 | 10.4 | 10.7 | 10.3 |
| 45-49 | 8.6 | 8.7 | 9.0 | 9.0 | 9.1 | 9.0 |
| 50-54 | 5.4 | 6.5 | 5.8 | 6.4 | 6.6 | 6.7 |
| 55 and over | 2.2 | 2.2 | 2.0 | 2.1 | 2.1 | 2.1 |
| Marital status at marriage - | | | | | | |
| Never married | 8,431 | 8,276 | 8,199 | 8,666 | 8,670 | 8,749 |
| Widowed | 152 | 132 | 117 | 115 | 105 | 98 |
| Divorced | 1,105 | 1,262 | 1,310 | 1,469 | 1,478 | 1,559 |
| Median age (years) - | | | | | | |
| At marriage | 23.9 | 24.2 | 24.3 | 24.4 | 24.0 | 24.7 |
| At separation | 34.4 | 34.6 | 34.5 | 34.9 | 34.9 | 35.1 |
| At divorce | 37.1 | 37.3 | 37.2 | 37.5 | 36.9 | 37.8 |
| WIFE | | | | | | |
| Age-specific divorce rate (b) - | | | | | | |
| Age group (years) - | | | | | | |
| Under 25 | 3.0 | 2.8 | 2.8 | 2.7 | 2.3 | 2.4 |
| 25-29 | 12.4 | 11.9 | 11.8 | 12.0 | 12.1 | 12.0 |
| 30-34 | 12.3 | 12.2 | 11.8 | 12.7 | 12.2 | 11.9 |
| 35-39 | 11.4 | 10.8 | 10.8 | 11.3 | 11.1 | 11.3 |
| 40-44 | 9.5 | 9.2 | 8.8 | 9.4 | 9.6 | 9.5 |
| 45-49 | 6.5 | 7.4 | 7.2 | 7.8 | 7.4 | 7.2 |
| 50-54 | 4.1 | 4.6 | 4.2 | 4.4 | 4.7 | 4.9 |
| 55 and over | 1.2 | 1.1 | 1.0 | 1.1 | 1.0 | 1.0 |
| Marital status at marriage - | | | | | | |
| Never married | 8,477 | 8,288 | 8,241 | 8,748 | 8,747 | 8,831 |
| Widowed | 171 | 169 | 152 | 146 | 118 | 114 |
| Divorced | 1,040 | 1,213 | 1,233 | 1,356 | 1,388 | 1,461 |
| Median age (years) - | | | | | | |
| At marriage | 21.5 | 21.6 | 21.8 | 21.9 | 21.2 | 22.2 |
| At separation | 31.7 | 31.8 | 31.8 | 32.2 | 32.4 | 32.4 |
| At divorce | 34.4 | 34.7 | 34.6 | 34.9 | 34.2 | 35.2 |

(a) Number of divorces per 1,000 of the mean estimated resident population.

(b) Number of divorces by age per 1,000 of the estimated resident population in specific age groups.

TABLE 2.17 BIRTHPLACE BY AGE GROUPS AND SEX, VICTORIA, 30 JUNE 1986

| Birthplace | Age group (years) | | | | Sex | | |
|--------------------------------|-------------------|----------------|------------------|----------------|------------------|------------------|------------------|
| | 0-14 | 15-24 | 25-54 | 55 and over | Males | Females | Persons |
| Australia | 856,091 | 575,672 | 1,068,492 | 532,289 | 1,487,224 | 1,545,321 | 3,032,545 |
| New Zealand | 4,725 | 6,855 | 18,404 | 4,021 | 16,961 | 17,042 | 34,003 |
| Other Oceania | 1,337 | 1,846 | 3,241 | 531 | 3,405 | 3,551 | 6,955 |
| Europe - | | | | | | | |
| UK and Ireland | 10,347 | 26,988 | 132,163 | 81,050 | 125,663 | 124,886 | 250,548 |
| Austria | 170 | 292 | 3,937 | 2,465 | 3,705 | 3,158 | 6,863 |
| Czechoslovakia | 300 | 272 | 2,274 | 2,304 | 2,853 | 2,293 | 5,147 |
| Germany | 987 | 1,813 | 20,942 | 9,920 | 16,550 | 17,112 | 33,663 |
| Greece | 896 | 4,502 | 48,470 | 13,928 | 34,420 | 33,376 | 67,797 |
| Hungary | 135 | 151 | 4,370 | 3,877 | 4,623 | 3,912 | 8,536 |
| Italy | 719 | 4,843 | 65,129 | 38,514 | 57,818 | 51,385 | 109,203 |
| Latvia, Lithuania, and Estonia | 10 | 20 | 1,536 | 4,457 | 3,066 | 2,961 | 6,025 |
| Malta | 582 | 1,403 | 19,786 | 5,251 | 14,387 | 12,633 | 27,019 |
| Netherlands | 623 | 1,030 | 18,576 | 9,106 | 15,676 | 13,657 | 29,334 |
| Poland | 1,168 | 775 | 8,989 | 13,707 | 12,647 | 11,993 | 24,639 |
| USSR n.e.i. | 343 | 461 | 2,740 | 5,577 | 4,386 | 4,731 | 9,120 |
| Yugoslavia | 1,554 | 7,605 | 39,926 | 10,225 | 31,533 | 27,777 | 59,311 |
| Other | 1,846 | 2,790 | 12,727 | 4,963 | 11,892 | 10,443 | 22,332 |
| Total | 19,680 | 52,945 | 381,565 | 205,344 | 339,219 | 320,317 | 659,537 |
| Asia - | | | | | | | |
| China | 404 | 564 | 4,622 | 3,006 | 4,260 | 4,338 | 8,600 |
| Cyprus | 490 | 1,440 | 6,353 | 2,259 | 5,319 | 5,225 | 10,542 |
| Hong Kong | 1,363 | 1,480 | 3,204 | 316 | 3,186 | 3,177 | 6,363 |
| India | 876 | 1,906 | 8,689 | 3,066 | 7,249 | 7,288 | 14,535 |
| Cambodia, Laos | 1,363 | 1,760 | 3,019 | 435 | 3,294 | 3,283 | 6,575 |
| Lebanon | 1,073 | 2,473 | 6,548 | 1,193 | 5,969 | 5,316 | 11,285 |
| Malaysia | 1,772 | 5,397 | 6,895 | 595 | 7,402 | 7,261 | 14,662 |
| Philippines | 1,222 | 908 | 4,592 | 576 | 2,414 | 4,883 | 7,296 |
| Singapore | 595 | 658 | 1,766 | 217 | 1,485 | 1,748 | 3,233 |
| Sri Lanka | 944 | 1,500 | 7,042 | 2,531 | 5,929 | 6,083 | 12,014 |
| Turkey | 963 | 3,368 | 6,871 | 1,254 | 6,450 | 6,005 | 12,454 |
| Vietnam | 5,903 | 6,792 | 13,905 | 1,301 | 15,542 | 12,356 | 27,900 |
| Other | 3,549 | 3,243 | 10,812 | 2,647 | 10,257 | 9,999 | 20,260 |
| Total | 20,517 | 31,489 | 84,318 | 19,396 | 78,756 | 76,962 | 155,719 |
| America - | | | | | | | |
| Canada | 708 | 768 | 1,786 | 604 | 1,864 | 2,003 | 3,867 |
| Chile | 962 | 1,257 | 2,811 | 326 | 2,642 | 2,714 | 5,354 |
| U.S.A. | 1,424 | 1,527 | 4,540 | 1,147 | 4,446 | 4,192 | 8,638 |
| Other | 1,556 | 1,633 | 4,449 | 623 | 4,028 | 4,234 | 8,263 |
| Total | 4,650 | 5,185 | 13,586 | 2,700 | 12,980 | 13,143 | 26,122 |
| Africa - | | | | | | | |
| Republic of South Africa | 1,682 | 1,412 | 4,321 | 1,257 | 4,209 | 4,463 | 8,670 |
| Arab Republic of Egypt | 178 | 689 | 6,981 | 3,556 | 5,813 | 5,591 | 11,405 |
| Other | 925 | 2,108 | 7,908 | 1,921 | 6,606 | 6,256 | 12,863 |
| Total | 2,785 | 4,209 | 19,210 | 6,734 | 16,628 | 16,310 | 32,938 |
| Total overseas born (a) | 53,694 | 102,526 | 520,328 | 238,731 | 467,949 | 447,325 | 915,272 |
| Not stated | 10,801 | 9,007 | 31,789 | 20,062 | 36,296 | 35,364 | 71,661 |
| Total population | 920,586 | 687,205 | 1,620,609 | 791,082 | 1,991,469 | 2,028,010 | 4,019,478 |

(a) Includes persons born at sea.

TABLE 2.18 BIRTHPLACE OF OVERSEAS BORN PERSONS BY CITIZENSHIP AND PERIOD OF RESIDENCE, VICTORIA 30 JUNE 1986

| Country of birth | Citizenship | | | | | | | Not stated (b) | Total |
|------------------|---------------------|-----------------|---------------------------------|---------------------|-----------------|---------------------------------|---------------|----------------|-------|
| | Australian | | | Other | | | | | |
| | Period of residence | | Total, including not stated (a) | Period of residence | | Total, including not stated (a) | | | |
| | 0-4 years | 5 or more years | | 0-4 years | 5 or more years | | | | |
| UK and Ireland | 2,786 | 93,373 | 99,030 | 14,507 | 129,307 | 146,449 | 5,076 | 250,555 | |
| Germany | 340 | 23,902 | 24,891 | 1,649 | 6,699 | 8,501 | 276 | 33,668 | |
| Greece | 428 | 57,882 | 60,460 | 1,083 | 5,340 | 6,669 | 666 | 67,795 | |
| India | 620 | 9,632 | 10,428 | 2,276 | 1,618 | 3,939 | 157 | 14,524 | |
| Italy | 216 | 74,719 | 77,378 | 943 | 28,842 | 30,727 | 1,093 | 109,198 | |
| Lebanon | 427 | 8,474 | 9,286 | 1,086 | 746 | 1,878 | 144 | 11,308 | |
| Malaysia | 515 | 4,360 | 4,960 | 6,040 | 3,420 | 9,574 | 126 | 14,660 | |
| Malta | 67 | 11,434 | 11,899 | 756 | 13,416 | 14,549 | 546 | 26,994 | |
| Netherlands | 218 | 21,760 | 22,454 | 800 | 5,721 | 6,675 | 218 | 29,347 | |
| New Zealand | 740 | 7,400 | 8,436 | 9,305 | 15,008 | 24,870 | 696 | 34,002 | |
| Poland | 1,611 | 18,669 | 20,709 | 2,225 | 1,360 | 3,661 | 267 | 24,637 | |
| Vietnam | 3,108 | 12,159 | 15,515 | 9,079 | 2,616 | 11,975 | 406 | 27,896 | |
| Yugoslavia | 581 | 46,700 | 48,540 | 2,233 | 7,599 | 10,135 | 626 | 59,301 | |
| Other | 10,529 | 123,383 | 136,951 | 36,667 | 33,965 | 71,960 | 2,506 | 211,417 | |
| Total | 22,186 | 513,847 | 550,937 | 88,649 | 255,657 | 351,562 | 12,803 | 915,302 | |

(a) Period of residence not stated.

(b) Citizenship not stated.

TABLE 2.19 BIRTHPLACE OF PARENTS OF AUSTRALIAN BORN PERSONS, VICTORIA, 30 JUNE 1986

| Birthplace of Father | Birthplace of Mother | | | | | | | Total |
|----------------------|----------------------|----------------|-----------------|--------------|--------------|-------------|-------------|----------------|
| | Australia | UK and Ireland | Southern Europe | Other Europe | Western Asia | Other Asia | Other | |
| | ('000) | | | | | | | |
| Australia | 2,197.6 | 83.2 | 9.4 | 18.1 | 1.0 | 5.9 | 16.4 | 2,339.2 |
| UK and Ireland | 128.6 | 69.6 | 1.4 | 3.6 | 0.1 | 1.4 | 3.3 | 209.0 |
| Southern Europe | 38.3 | 3.4 | 175.3 | 5.3 | 1.3 | 0.6 | 2.8 | 227.9 |
| Other Europe | 41.3 | 5.5 | 2.8 | 49.2 | 0.6 | 1.3 | 1.7 | 102.7 |
| Western Asia | 2.7 | 0.3 | 1.0 | 0.6 | 17.4 | 0.1 | 0.4 | 22.5 |
| Other Asia | 7.8 | 1.3 | 0.3 | 0.8 | 0.1 | 15.9 | 0.5 | 26.7 |
| Other | 24.2 | 2.5 | 2.1 | 1.1 | 0.4 | 0.4 | 11.7 | 42.5 |
| Total | 2,458.8 | 167.2 | 193.5 | 79.3 | 21.0 | 25.9 | 37.2 | 3,032.5 |

**TABLE 2.20 PERSONS (a) WHO SPOKE A LANGUAGE OTHER THAN ENGLISH AT HOME:
LANGUAGE SPOKEN BY AGE GROUP, VICTORIA, 30 JUNE 1986**

| Language spoken | Age group (years) | | | | Total |
|------------------|-------------------|----------------|----------------|---------------|----------------|
| | 5-19 | 20-34 | 35-64 | 65 and over | |
| Arabic/Lebanese | 7,888 | 6,498 | 6,811 | 748 | 21,945 |
| Chinese | 10,224 | 14,104 | 11,689 | 2,017 | 38,034 |
| Dutch | 1,403 | 3,109 | 10,219 | 3,346 | 18,077 |
| French | 2,653 | 4,070 | 6,289 | 1,431 | 14,443 |
| German | 3,481 | 5,589 | 18,278 | 4,895 | 32,243 |
| Greek | 38,110 | 27,579 | 53,223 | 5,062 | 123,974 |
| Italian | 39,912 | 42,542 | 75,740 | 15,107 | 173,211 |
| Maltese | 5,755 | 7,508 | 14,377 | 1,915 | 29,555 |
| Polish | 2,869 | 4,684 | 10,285 | 4,293 | 22,131 |
| Serbian/Croatian | 7,751 | 4,729 | 10,915 | 817 | 24,212 |
| Spanish | 5,684 | 4,323 | 7,059 | 512 | 17,578 |
| Vietnamese | 6,433 | 9,124 | 3,730 | 315 | 19,602 |
| Other | 36,169 | 42,233 | 63,265 | 13,113 | 154,780 |
| Total (b) | 176,778 | 183,322 | 306,404 | 59,271 | 725,775 |

(a) Excludes children aged 0-4 years.

(b) Includes language "not stated" responses.

**TABLE 2.21 PERSONS (a) WHO SPOKE A LANGUAGE OTHER THAN ENGLISH AT HOME:
BIRTHPLACE AND PERIOD OF ARRIVAL BY AGE, VICTORIA, 30 JUNE 1986**

| Proficiency in English | Age group (years) | | | | Total |
|--|-------------------|----------------|----------------|---------------|----------------|
| | 5-24 | 25-44 | 45-64 | 65 and over | |
| OVERSEAS BORN: ARRIVED 1982 TO 1986 | | | | | |
| Speaks English - | | | | | |
| Well or very well | 19,986 | 16,887 | 2,476 | 603 | 39,952 |
| Not well | 7,247 | 10,113 | 2,220 | 524 | 20,104 |
| Not at all | 1,284 | 1,946 | 2,129 | 1,724 | 7,083 |
| Total (a) | 28,960 | 29,105 | 6,869 | 2,858 | 67,792 |
| OVERSEAS BORN: ARRIVED BEFORE 1982 | | | | | |
| Speaks English - | | | | | |
| Well or very well | 46,372 | 126,136 | 112,514 | 25,869 | 310,891 |
| Not well | 1,970 | 27,117 | 46,522 | 15,500 | 91,109 |
| Not at all | 206 | 1,369 | 4,345 | 6,724 | 12,644 |
| Total (a) | 48,778 | 155,395 | 164,026 | 48,411 | 416,610 |
| AUSTRALIAN BORN | | | | | |
| Speaks English - | | | | | |
| Well or very well | 151,056 | 36,700 | 6,152 | 1,844 | 195,752 |
| Not well | 5,057 | 1,711 | 988 | 482 | 8,238 |
| Not at all | 686 | 232 | 161 | 230 | 1,309 |
| Total (a) | 159,102 | 40,075 | 8,018 | 3,575 | 210,770 |

(a) Includes proficiency in English not stated, but excludes language spoken not stated.

TABLE 2.22 ANCESTRY (a) OF THE POPULATION, BY SEX, VICTORIA, 30 JUNE 1986

| Ancestry | Males | Females | Persons | Proportion of total |
|----------------------------|------------------|------------------|------------------|---------------------|
| English | 626,462 | 642,109 | 1,268,571 | 31.6 |
| Australian | 343,237 | 361,870 | 705,107 | 17.5 |
| Italian | 106,457 | 97,994 | 204,451 | 5.1 |
| Greek | 67,476 | 64,754 | 132,230 | 3.3 |
| Irish | 57,089 | 55,801 | 112,890 | 2.8 |
| Scottish | 47,469 | 43,734 | 91,203 | 2.3 |
| British, (so described) | 34,635 | 38,752 | 73,387 | 1.8 |
| English - Irish | 29,101 | 36,582 | 65,683 | 1.6 |
| German | 26,437 | 25,969 | 52,406 | 1.3 |
| Chinese | 24,622 | 24,070 | 48,692 | 1.2 |
| Dutch | 24,958 | 22,542 | 47,500 | 1.2 |
| English- Scottish | 21,086 | 26,088 | 47,174 | 1.2 |
| Maltese | 23,562 | 21,253 | 44,815 | 1.1 |
| Australian - English | 20,066 | 23,362 | 43,428 | 1.1 |
| Yugoslavian | 19,449 | 17,144 | 36,593 | 0.9 |
| Polish | 16,136 | 15,137 | 31,273 | 0.8 |
| Irish - Scottish | 10,793 | 13,049 | 23,842 | 0.6 |
| English - German | 10,013 | 11,257 | 21,270 | 0.5 |
| Lebanese | 7,638 | 7,160 | 14,798 | 0.4 |
| Aboriginal | 3,341 | 3,558 | 6,899 | 0.2 |
| Other and not classifiable | 313,480 | 313,244 | 626,724 | 15.6 |
| Not stated | 157,962 | 162,580 | 320,542 | 8.0 |
| Total | 1,991,469 | 2,028,009 | 4,019,478 | 100.0 |

(a) As stated.

TABLE 2.23 RELIGIOUS DENOMINATION OF THE POPULATION, VICTORIA
30 JUNE 1986

| Religious denomination | Males | Females | Persons | Per cent |
|------------------------|------------------|------------------|------------------|-------------|
| Christian - | | | | |
| Anglican | 337,743 | 377,671 | 715,414 | 17.8 |
| Baptist | 18,397 | 21,387 | 39,784 | 1.0 |
| Brethren | 1,926 | 2,196 | 4,122 | 0.1 |
| Catholic | 540,860 | 563,184 | 1,104,044 | 27.5 |
| Congregational | 687 | 745 | 1,432 | 0.0 |
| Churches of Christ | 10,701 | 13,344 | 24,045 | 0.6 |
| Jehovah's Witnesses | 5,468 | 6,756 | 12,224 | 0.3 |
| Latterday Saints | 3,167 | 3,480 | 6,647 | 0.2 |
| Lutheran | 17,647 | 19,261 | 36,908 | 0.9 |
| Oriental Christian | 954 | 923 | 1,877 | 0.0 |
| Orthodox | 90,202 | 87,363 | 177,565 | 4.4 |
| Pentecostal | 9,532 | 10,772 | 20,304 | 0.5 |
| Presbyterian | 64,641 | 73,359 | 138,000 | 3.4 |
| Salvation Army | 7,799 | 9,662 | 17,461 | 0.4 |
| Seventh Day Adventist | 3,515 | 4,277 | 7,792 | 0.2 |
| Uniting Church | 128,403 | 151,859 | 280,262 | 7.0 |
| Other Protestant | 40,292 | 47,265 | 87,557 | 2.2 |
| Other Christian | 44,104 | 46,652 | 90,756 | 2.3 |
| Total Christian | 1,326,038 | 1,440,156 | 2,766,194 | 68.8 |

TABLE 2.23 RELIGIOUS DENOMINATION OF THE POPULATION, VICTORIA,
30 JUNE 1986 - *continued*

| <i>Religious denomination</i> | <i>Males</i> | <i>Females</i> | <i>Persons</i> | <i>Per cent</i> |
|-------------------------------|------------------|------------------|------------------|-----------------|
| Other religions - | | | | |
| Buddhist | 12,201 | 11,065 | 23,266 | 0.6 |
| Hindu | 2,776 | 2,338 | 5,114 | 0.1 |
| Jewish | 15,714 | 16,673 | 32,387 | 0.8 |
| Muslim | 20,145 | 17,820 | 37,965 | 0.9 |
| Other non Christian | 3,359 | 3,106 | 6,465 | 0.2 |
| Total other religions | 54,195 | 51,002 | 105,197 | 2.6 |
| Other groups - | | | | |
| Non-theistic | 634 | 382 | 1,016 | 0.0 |
| Inadequately described | 8,124 | 6,296 | 14,420 | 0.4 |
| No religion | 308,684 | 249,255 | 557,939 | 13.9 |
| Not stated | 293,794 | 280,918 | 574,712 | 14.3 |
| Total | 1,991,469 | 2,028,009 | 4,019,478 | 100.0 |

REFERENCES

Data sources

The statistics in this chapter are derived from various sources including the 1986 Census of Population and Housing. The most recent Census was conducted in 1991, however these results are not yet available.

The estimated resident population was compiled according to the place of usual residence of the population. An explanation of the conceptual basis is given in the ABS Information Paper *Population Estimates: An Outline of the New Conceptual Basis of ABS Population Estimates* (3216.0).

Data on overseas arrivals and departures and persons granted Australian citizenship are compiled from information supplied by the Department of Immigration Local Government and Ethnic Affairs.

Births, deaths, and marriages are compiled from data supplied by the Registrar of Births, Deaths and Marriages while divorce statistics are compiled from Statistical Reports completed by the Family Court of Australia.

ABS publications

Older People in Victoria (2501.2)

Australian Demographic Statistics (3101.0)

Estimated Resident Population by Sex and Age: States and Territories of Australia (3201.0)

Estimated Resident Population in Statistical Local Areas, Revised Intercensal Estimates, Victoria (3202.2)

Estimated Resident Population by Age and Sex in Statistical Local Areas, Victoria, 30 June 1989 (3208.2)

Projections of the Populations of Australia, States and Territories (3222.0)

Births, Australia (3301.0)

Deaths, Australia (3302.0)

Births, Victoria (3305.2)

Marriages, Australia (3306.0)

Deaths, Victoria (3306.2)

Divorces, Australia (3307.0)

Marriages, Victoria (3307.2)

Divorces, Victoria (3308.2)

Overseas Arrivals and Departures, Australia (3404.0)

Census of Population and Housing, 30 June 1971, 1976, 1981 and 1986

3 Labour



INTRODUCTION

The major topics covered in this chapter are the labour force, employment, unemployment, earnings, hours of work, labour costs, education and training, industrial disputes and trade unions. The data provided has been derived from the Monthly Labour Force Survey and associated Supplementary surveys and employer based labour collections. The conceptual framework adopted by the ABS for collecting labour force statistics (see figure 6) is compatible with the standards recommended by the International Labour Organisation (ILO). Further detail regarding these statistics is contained in the publications listed at the end of this chapter.

The labour force

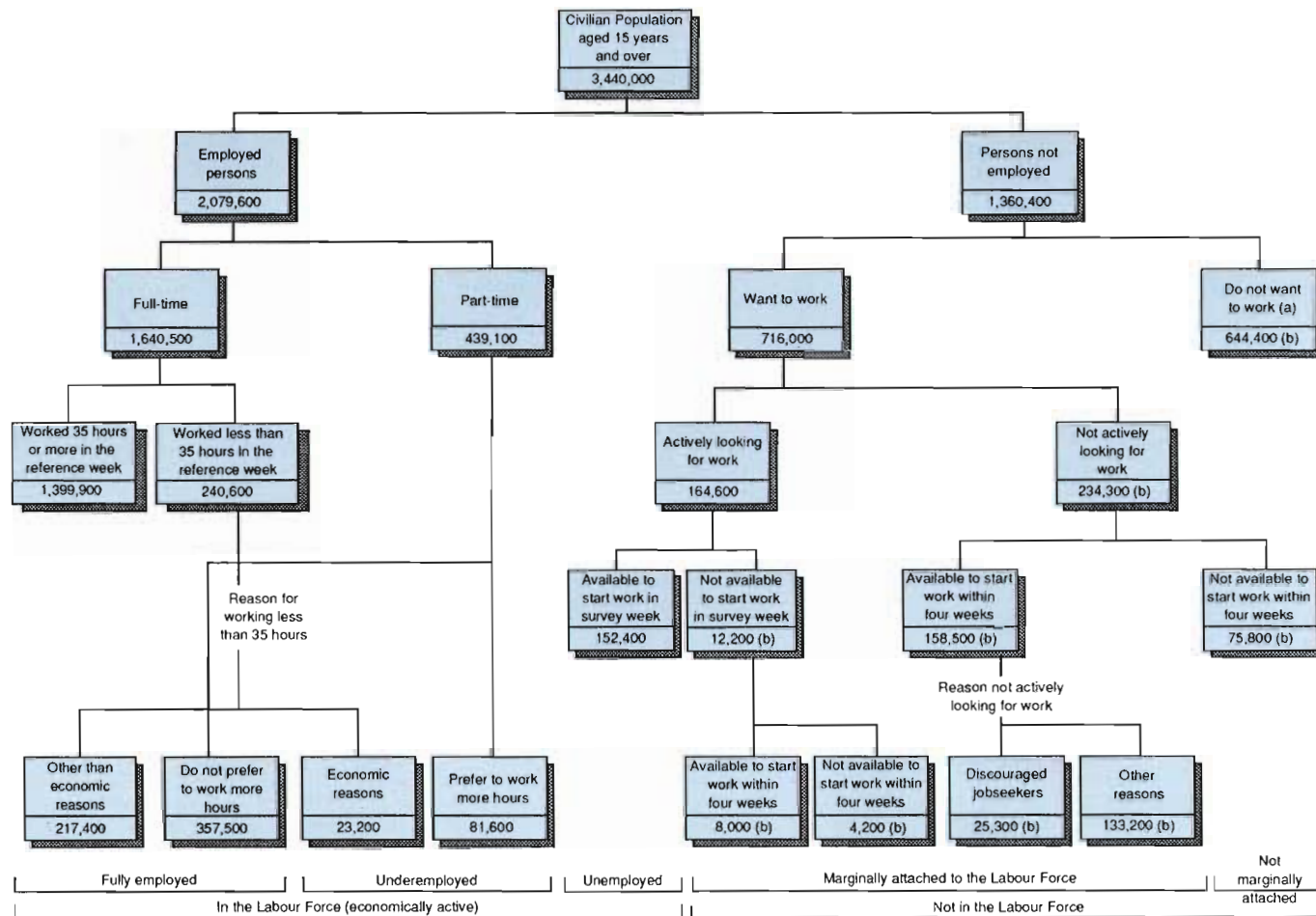
The concept of the labour force is the basis for the measurement of employment and unemployment. The labour force is a measurement of the total official supply of labour which is available to the labour market in a given reference week. It is broadly defined as those persons aged 15 and over who are either employed or unemployed during a particular reference week.

Employment and unemployment

In August 1991 there were 1,972,100 persons employed in Victoria. This figure comprised 1,120,800 males (57 per cent) and 851,300 females (43 per cent). Of the employed females, 60 per cent were married. The number of employed persons in Victoria represented 57 per cent of the civilian population aged 15 years or more, a decrease of 1.5 percentage points over the August 1981 figure. However, there was an increase in the employment of females, rising from 22 per cent of the civilian population in August 1981 to 24 per cent in August 1991. By comparison, the male employment/population ratio decreased from 36 per cent in August 1981 to 32 per cent in August 1991. Almost 54 per cent of persons employed are in the 25-44 year age group.

A total of 212,200 Victorians were unemployed in August 1991, compared with 138,800 unemployed in August 1990. Males comprised 64 per cent of the unemployed in August 1991 and females comprised 36 per cent. The majority of unemployed females (58 per cent) were not married.

The trend of declining unemployment rates which had been occurring in Victoria since 1983 has undergone a reversal since August 1989. The August 1991 Victorian unemployment rate of 9.7 per cent increased by 3.4 percentage points from the August 1990 rate, and was slightly above the Australian rate of 9.5 per cent. The unemployment rate for Victorian males in August 1991 was 10.5 per cent compared with the rate of 8.2 per cent for females. A significant difference existed in the unemployment rates of married and unmarried women. The unemployment rate for married females was 5.9 per cent compared with a rate of 11.5 per cent for unmarried females.



(a) Includes the institutionalised, boarding school pupils, and persons permanently unable to work. (b) Includes persons aged 15 to 69 only.

Figure 6. The Labour Force framework, Victoria, September 1990

TABLE 3.1 EMPLOYED PERSONS BY AGE VICTORIA
(^{'000})

| Month | Age group (years) | | | | | | | | Total | |
|---------|-------------------|-------|-------|-------|-------|-------|-------|-------------|-------|--------|
| | 15-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-59 | 60-64 | 65 and over | | |
| MALES | | | | | | | | | | |
| 1990 - | June | 89.3 | 153.5 | 331.2 | 304.1 | 208.1 | 69.0 | 46.7 | 19.8 | 1222.0 |
| | July | 90.1 | 151.6 | 326.8 | 302.8 | 207.7 | 71.3 | 46.4 | 21.0 | 1217.7 |
| | August | 85.9 | 147.3 | 321.6 | 302.9 | 209.2 | 72.0 | 46.1 | 15.3 | 1200.2 |
| | September | 85.8 | 149.6 | 318.9 | 301.9 | 208.6 | 69.5 | 46.5 | 17.3 | 1198.0 |
| | October | 87.4 | 147.5 | 316.9 | 300.8 | 203.6 | 70.2 | 46.2 | 21.3 | 1193.9 |
| | November | 81.2 | 146.4 | 315.8 | 297.0 | 205.3 | 70.0 | 45.3 | 20.2 | 1181.4 |
| | December | 88.0 | 149.6 | 314.3 | 300.1 | 206.5 | 70.8 | 42.8 | 21.1 | 1193.3 |
| 1991 - | January | 84.1 | 143.9 | 309.6 | 294.7 | 203.9 | 69.3 | 39.2 | 19.5 | 1164.3 |
| | February | 80.5 | 140.0 | 313.6 | 295.5 | 210.5 | 67.3 | 44.1 | 19.1 | 1170.5 |
| | March | 72.1 | 135.4 | 312.9 | 297.8 | 207.5 | 62.2 | 39.9 | 18.0 | 1145.8 |
| | April | 73.4 | 137.2 | 305.8 | 294.5 | 205.5 | 63.5 | 40.9 | 17.1 | 1137.8 |
| | May | 69.4 | 137.4 | 305.4 | 295.7 | 209.0 | 63.1 | 38.2 | 17.6 | 1135.8 |
| | June | 67.6 | 135.1 | 305.1 | 294.3 | 207.6 | 63.7 | 35.6 | 17.0 | 1126.0 |
| | July | 67.5 | 135.8 | 307.6 | 290.7 | 205.1 | 62.2 | 35.1 | 18.0 | 1122.0 |
| | August | 67.7 | 131.8 | 304.7 | 289.5 | 207.3 | 61.0 | 37.4 | 21.4 | 1120.8 |
| FEMALES | | | | | | | | | | |
| 1990 - | June | 79.5 | 133.1 | 235.9 | 234.5 | 137.7 | 33.2 | 17.6 | 6.7 | 878.4 |
| | July | 86.3 | 130.5 | 241.1 | 238.0 | 129.8 | 33.1 | 17.8 | 8.9 | 885.5 |
| | August | 79.3 | 130.1 | 237.2 | 233.6 | 136.1 | 31.1 | 19.2 | 6.3 | 872.9 |
| | September | 78.0 | 129.1 | 239.6 | 236.8 | 136.9 | 35.3 | 19.4 | 6.4 | 881.5 |
| | October | 75.1 | 130.0 | 240.1 | 233.7 | 133.3 | 33.1 | 20.6 | 7.4 | 873.3 |
| | November | 74.1 | 127.1 | 235.6 | 235.4 | 141.2 | 33.1 | 20.6 | 7.9 | 875.0 |
| | December | 81.0 | 131.7 | 234.7 | 237.5 | 138.4 | 32.9 | 19.3 | 6.5 | 882.0 |
| 1991 - | January | 77.0 | 126.5 | 224.6 | 218.0 | 133.6 | 34.5 | 18.3 | 6.7 | 839.2 |
| | February | 67.0 | 130.7 | 229.1 | 229.2 | 137.6 | 32.7 | 18.6 | 7.8 | 852.7 |
| | March | 69.9 | 129.7 | 230.5 | 226.2 | 142.9 | 28.3 | 17.0 | 6.6 | 851.0 |
| | April | 67.7 | 128.7 | 227.7 | 228.8 | 140.4 | 30.0 | 17.0 | 7.1 | 847.5 |
| | May | 62.7 | 126.7 | 232.0 | 228.8 | 139.7 | 30.8 | 16.3 | 7.0 | 844.0 |
| | June | 62.2 | 127.1 | 226.9 | 230.8 | 141.5 | 34.0 | 13.8 | 7.9 | 844.2 |
| | July | 62.1 | 130.3 | 224.2 | 229.0 | 139.1 | 29.2 | 11.9 | 6.8 | 832.6 |
| | August | 63.7 | 128.9 | 232.7 | 231.7 | 143.2 | 30.3 | 12.8 | 8.2 | 851.3 |
| PERSONS | | | | | | | | | | |
| 1990 - | June | 168.9 | 286.6 | 567.2 | 538.6 | 345.9 | 102.3 | 64.4 | 26.6 | 2100.4 |
| | July | 176.4 | 282.1 | 567.9 | 540.8 | 337.5 | 104.4 | 64.2 | 29.9 | 2103.2 |
| | August | 165.2 | 277.3 | 558.8 | 536.5 | 345.3 | 103.1 | 65.3 | 21.6 | 2073.1 |
| | September | 163.8 | 278.7 | 558.5 | 538.7 | 345.5 | 104.8 | 65.9 | 23.7 | 2079.6 |
| | October | 162.5 | 277.5 | 557.0 | 534.4 | 336.9 | 103.4 | 66.8 | 28.7 | 2067.2 |
| | November | 155.3 | 273.5 | 551.4 | 532.4 | 346.5 | 103.2 | 65.9 | 28.2 | 2056.4 |
| | December | 169.0 | 281.3 | 549.0 | 537.6 | 344.9 | 103.8 | 62.1 | 27.6 | 2075.2 |
| 1991 - | January | 161.1 | 270.5 | 534.2 | 512.7 | 337.5 | 103.8 | 57.5 | 26.2 | 2003.6 |
| | February | 147.5 | 270.7 | 542.7 | 524.7 | 348.0 | 100.0 | 62.6 | 26.9 | 2023.2 |
| | March | 142.0 | 265.1 | 543.4 | 524.0 | 350.3 | 90.6 | 56.9 | 24.6 | 1996.8 |
| | April | 141.1 | 266.0 | 533.5 | 523.3 | 345.9 | 93.5 | 57.9 | 24.3 | 1985.4 |
| | May | 132.0 | 264.1 | 537.3 | 524.5 | 348.7 | 93.9 | 54.5 | 24.6 | 1979.8 |
| | June | 129.8 | 262.1 | 532.0 | 525.1 | 349.1 | 97.7 | 49.4 | 24.9 | 1970.2 |
| | July | 129.6 | 266.1 | 531.8 | 519.7 | 344.2 | 91.4 | 47.0 | 24.9 | 1954.5 |
| | August | 131.5 | 260.7 | 537.4 | 521.1 | 350.5 | 91.3 | 50.2 | 29.5 | 1972.1 |

Unemployment rates vary markedly by age group. The highest unemployment rates are consistently experienced by persons in the age group 15-19 years. In August 1991, the unemployment rate for this age group was 21.6 per cent, compared with rates of 14.9 per cent for those aged 20-24 years, 9.3 per cent for those aged 25-34 and 6.7 per cent for those aged 35 years or more.

In relation to people born overseas, the unemployment rate varies considerably according to the language spoken in the country of origin. Persons from main English-speaking countries experienced an unemployment rate of 9.2 per cent, compared with the rate of 13.5 per cent for persons from countries where English is not the main language and 9.7 per cent for all Victorian persons (including Australian born).

Within the state, the unemployment rate ranged from 9.4 per cent in the Melbourne Statistical Division (MSD) to 10.5 per cent in country Victoria. Within the MSD, the highest unemployment rate of 12.3 per cent occurred in the North Western Melbourne region and the lowest of 7.2 per cent occurred in the Inner Eastern Melbourne region. In country Victoria, the highest unemployment rate of 12.3 per cent occurred in the Western Victoria region, while the lowest of 9.6 per cent occurred in the South Western Victoria region.

TABLE 3.2 UNEMPLOYED PERSONS: WHETHER LOOKING FOR FULL-TIME OR PART-TIME WORK, VICTORIA ('000)

| August | Males | | | Females | | | Persons | | | Unemployment rate (per cent) |
|--------|----------------------------|----------------------------|-------|----------------------------|----------------------------|-------|----------------------------|----------------------------|-------|------------------------------|
| | Looking for full-time work | Looking for part-time work | Total | Looking for full-time work | Looking for part-time work | Total | Looking for full-time work | Looking for part-time work | Total | |
| 1970 | 7.9 | *0.6 | 8.4 | 4.2 | *3.4 | 7.5 | 12.0 | *3.9 | 16.0 | 1.1 |
| 1971 | 10.2 | *1.8 | 11.9 | 6.1 | *3.4 | 9.5 | 16.3 | 5.2 | 21.4 | 1.4 |
| 1972 | 17.5 | *2.4 | 20.0 | 10.8 | 6.6 | 17.5 | 28.4 | 9.1 | 37.4 | 2.3 |
| 1973 | 7.8 | 7.2 | 15.0 | 8.8 | 5.3 | 14.1 | 16.6 | 12.4 | 29.0 | 1.8 |
| 1974 | 15.9 | *2.1 | 18.0 | 17.3 | 6.0 | 23.3 | 33.2 | 8.1 | 41.3 | 2.5 |
| 1975 | 29.9 | 7.1 | 37.0 | 27.3 | 14.8 | 40.9 | 57.2 | 20.8 | 77.9 | 4.7 |
| 1976 | 27.9 | 7.3 | 35.2 | 23.3 | 12.1 | 35.4 | 51.2 | 19.4 | 70.6 | 4.2 |
| 1977 | 34.4 | 7.5 | 41.9 | 30.4 | 17.7 | 48.1 | 64.8 | 25.2 | 90.0 | 5.2 |
| 1978 | 47.6 | 4.1 | 51.7 | 34.1 | 15.0 | 49.1 | 81.7 | 19.0 | 100.8 | 5.8 |
| 1979 | 46.1 | *3.4 | 49.4 | 31.5 | 14.8 | 46.3 | 77.6 | 18.1 | 95.7 | 5.5 |
| 1980 | 49.1 | 4.1 | 53.1 | 38.0 | 12.8 | 50.8 | 87.0 | 16.9 | 103.9 | 5.8 |
| 1981 | 46.1 | 4.2 | 50.3 | 36.7 | 13.6 | 50.4 | 82.8 | 17.9 | 100.7 | 5.5 |
| 1982 | 55.1 | 7.1 | 62.3 | 33.9 | 13.9 | 47.8 | 89.0 | 21.1 | 110.1 | 6.0 |
| 1983 | 86.5 | 6.0 | 92.5 | 52.9 | 17.8 | 70.7 | 139.4 | 23.8 | 163.2 | 8.9 |
| 1984 | 68.7 | 6.3 | 75.1 | 39.4 | 15.2 | 54.6 | 108.1 | 21.5 | 129.6 | 7.0 |
| 1985 | 60.1 | 5.9 | 65.9 | 34.9 | 16.3 | 51.2 | 95.0 | 22.1 | 117.1 | 6.2 |
| 1986 | 65.9 | 8.2 | 74.1 | 38.7 | 19.5 | 58.2 | 104.6 | 27.7 | 132.3 | 6.7 |
| 1987 | 56.3 | 8.1 | 64.4 | 35.7 | 21.5 | 57.1 | 91.9 | 29.6 | 121.5 | 5.9 |
| 1988 | 50.8 | 6.3 | 57.1 | 38.8 | 19.0 | 57.8 | 89.7 | 25.2 | 114.9 | 5.6 |
| 1989 | 42.5 | 7.2 | 49.7 | 24.8 | 19.1 | 43.9 | 67.2 | 26.3 | 93.6 | 4.4 |
| 1990 | 65.9 | 7.7 | 73.6 | 45.2 | 19.9 | 65.2 | 111.1 | 27.6 | 138.8 | 6.3 |
| 1991 | 125.3 | 11.1 | 136.5 | 56.9 | 18.9 | 75.7 | 182.2 | 30.0 | 212.2 | 9.7 |

TABLE 3.3 UNEMPLOYED PERSONS, BY AGE AND SEX, VICTORIA
(’000)

| August | Age group (years) | | | | | | | | | | | |
|--------|-------------------|---------|---------|-------|---------|---------|-------------|---------|---------|-------|---------|---------|
| | 15 to 19 | | | 20-24 | | | 25 and over | | | Total | | |
| | Males | Females | Persons | Males | Females | Persons | Males | Females | Persons | Males | Females | Persons |
| 1970 | *2.0 | *2.2 | 4.2 | *1.6 | *0.9 | *2.5 | 4.7 | 4.4 | 9.2 | 8.4 | 7.5 | 16.0 |
| 1971 | *1.6 | *2.6 | 4.2 | *3.0 | *1.7 | 4.7 | 7.3 | 5.1 | 12.5 | 11.9 | 9.5 | 21.4 |
| 1972 | 6.4 | *3.9 | 10.2 | *3.3 | *3.3 | 6.6 | 10.3 | 10.4 | 20.6 | 20.0 | 17.5 | 37.5 |
| 1973 | 5.5 | 4.0 | 9.5 | 4.0 | *2.0 | 6.1 | 5.4 | 8.0 | 13.5 | 15.0 | 14.1 | 29.0 |
| 1974 | 4.2 | 5.8 | 9.9 | *2.8 | *3.9 | 6.8 | 10.9 | 13.6 | 24.5 | 18.0 | 23.3 | 41.3 |
| 1975 | 9.4 | 15.7 | 25.1 | 6.7 | 6.2 | 12.9 | 21.0 | 19.1 | 40.0 | 37.0 | 40.9 | 77.9 |
| 1976 | 11.8 | 12.2 | 24.0 | 7.5 | 6.0 | 13.6 | 15.9 | 17.1 | 33.0 | 35.2 | 35.4 | 70.6 |
| 1977 | 13.5 | 19.2 | 32.7 | 6.4 | 9.5 | 15.9 | 22.0 | 19.4 | 41.4 | 41.9 | 48.1 | 90.0 |
| 1978 | 15.8 | 16.4 | 32.3 | 10.8 | 10.1 | 20.9 | 25.1 | 22.6 | 47.6 | 51.7 | 49.1 | 100.8 |
| 1979 | 13.5 | 16.9 | 30.4 | 10.2 | 8.0 | 18.2 | 25.7 | 21.4 | 47.1 | 49.4 | 46.3 | 95.7 |
| 1980 | 15.4 | 16.0 | 31.3 | 14.3 | 10.6 | 24.9 | 23.0 | 24.1 | 47.1 | 52.7 | 50.6 | 103.3 |
| 1981 | 13.6 | 16.7 | 30.5 | 11.8 | 10.5 | 22.3 | 24.7 | 23.2 | 47.8 | 50.3 | 50.4 | 100.7 |
| 1982 | 18.3 | 13.4 | 31.8 | 15.2 | 9.6 | 24.8 | 28.7 | 24.8 | 53.5 | 62.3 | 47.8 | 110.1 |
| 1983 | 20.4 | 24.0 | 44.3 | 20.3 | 13.8 | 34.0 | 51.9 | 33.0 | 84.9 | 92.5 | 70.7 | 163.2 |
| 1984 | 18.6 | 18.5 | 37.1 | 15.5 | 11.9 | 27.4 | 41.0 | 24.1 | 65.1 | 75.1 | 54.6 | 129.6 |
| 1985 | 17.5 | 14.5 | 32.0 | 12.7 | 11.1 | 23.8 | 35.7 | 25.6 | 61.3 | 65.9 | 51.2 | 117.1 |
| 1986 | 21.0 | 16.9 | 38.0 | 14.5 | 11.0 | 25.4 | 38.6 | 30.3 | 68.9 | 74.1 | 58.2 | 132.3 |
| 1987 | 16.2 | 16.7 | 32.9 | 10.7 | 12.5 | 23.2 | 37.5 | 28.0 | 65.5 | 64.4 | 57.1 | 121.5 |
| 1988 | 13.7 | 15.1 | 28.8 | 12.0 | 11.8 | 23.7 | 31.5 | 30.9 | 62.3 | 57.1 | 57.8 | 114.9 |
| 1989 | 13.5 | 14.0 | 27.5 | 10.6 | 7.8 | 18.4 | 25.6 | 22.0 | 47.7 | 49.7 | 43.9 | 93.6 |
| 1990 | 16.5 | 14.5 | 30.9 | 18.1 | 15.4 | 33.5 | 39.0 | 35.4 | 74.4 | 73.6 | 65.2 | 138.8 |
| 1991 | 19.7 | 16.5 | 36.2 | 26.6 | 19.0 | 45.6 | 90.1 | 40.2 | 130.4 | 136.5 | 75.7 | 212.2 |

UNEMPLOYMENT RATES, VICTORIA AND AUSTRALIA
(August)

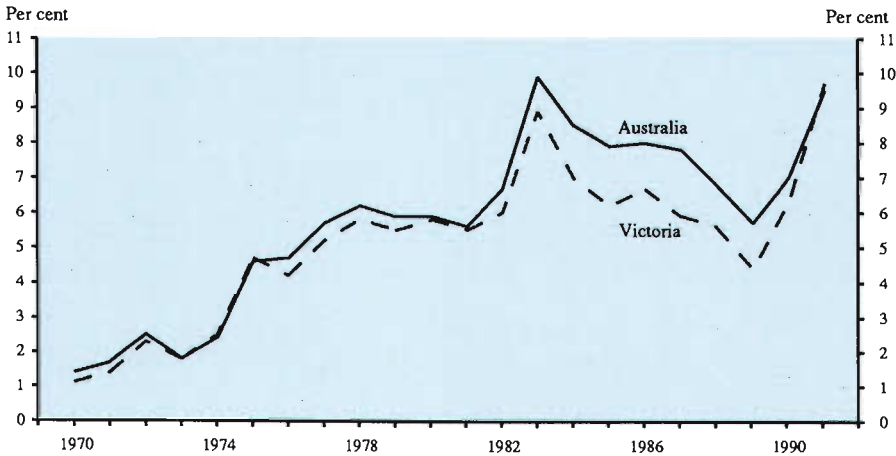


TABLE 3.4 YOUTH UNEMPLOYMENT: UNEMPLOYED PERSONS AGED 15-19 YEARS BY SCHOOL ATTENDANCE AND DURATION OF UNEMPLOYMENT, VICTORIA, AUGUST 1991

| <i>Particulars</i> | <i>Males</i> | <i>Females</i> | | <i>Persons</i> |
|-------------------------------|--------------|---|--|----------------|
| | | Number ('000) | | |
| School Attendance | | | | |
| Attending school | 4.6 | *3.3 | | 7.9 |
| Not attending school- | | | | |
| Left before 1989 | *4.0 | *3.4 | | 7.4 |
| Left from 1989 to survey date | 11.1 | 9.8 | | 20.9 |
| Total | 19.7 | 16.5 | | 36.2 |
| Duration of unemployment- | | | | |
| Under 13 weeks | 7.4 | 6.5 | | 13.9 |
| 13 weeks and under 52 weeks | 9.0 | 8.4 | | 17.3 |
| 52 weeks and over | *3.3 | *1.6 | | 5.0 |
| Total | 19.7 | 16.5 | | 36.2 |
| | | <i>Duration of unemployment (weeks)</i> | | |
| Average (mean) duration | 25.4 | 23.3 | | 24.4 |
| Median duration | 23.0 | 18.0 | | 19.0 |

TABLE 3.5 CIVILIAN POPULATION AGED 15 YEARS AND OVER BY LABOUR FORCE STATUS, VICTORIAN REGIONS, AUGUST 1991

| <i>Region</i> | <i>Employed</i> | | | <i>Unemp-loyed</i> | <i>Labour force</i> | <i>Not in labour force</i> | <i>Unemp-loyment rate</i> | <i>Partici-pation rate</i> |
|---------------------------------|------------------|------------------|-----------------|--------------------|---------------------|----------------------------|---------------------------|----------------------------|
| | <i>Full-time</i> | <i>Part-time</i> | <i>Total</i> | | | | | |
| | (<i>'000</i>) | (<i>'000</i>) | (<i>'000</i>) | (<i>'000</i>) | (<i>'000</i>) | (<i>'000</i>) | (<i>per cent</i>) | (<i>per cent</i>) |
| MALES | | | | | | | | |
| Melbourne Statistical Division- | 728.8 | 68.7 | 797.4 | 94.3 | 891.7 | 320.1 | 10.6 | 73.6 |
| Outer Western Melbourne | 109.8 | 8.4 | 118.2 | 17.2 | 135.4 | 50.4 | 12.7 | 72.9 |
| North Western Melbourne | 49.8 | 4.2 | 54.0 | 9.3 | 63.3 | 27.8 | 14.7 | 69.5 |
| Inner Melbourne | 50.4 | 6.1 | 56.5 | 5.5 | 62.0 | 27.8 | 8.9 | 69.1 |
| North Eastern Melbourne | 95.2 | 8.2 | 103.4 | 12.7 | 116.1 | 38.3 | 10.9 | 75.2 |
| Inner Eastern Melbourne | 98.5 | 13.7 | 112.2 | 9.4 | 121.6 | 43.3 | 7.7 | 73.8 |
| Southern Melbourne | 80.7 | 7.9 | 88.6 | 8.8 | 97.4 | 42.2 | 9.0 | 69.8 |
| Outer Eastern Melbourne | 113.5 | 10.2 | 123.6 | 11.9 | 135.5 | 36.8 | 8.8 | 78.6 |
| Mornington Peninsula | 130.8 | 10.1 | 140.9 | 19.5 | 160.4 | 53.4 | 12.2 | 75.0 |
| Balance of Victoria- | 292.2 | 31.2 | 323.3 | 42.2 | 365.5 | 132.2 | 11.5 | 73.4 |
| South Western Victoria | 77.7 | 4.4 | 82.0 | 10.0 | 92.0 | 38.4 | 10.9 | 70.6 |
| Western Victoria | 63.5 | 7.4 | 71.0 | 9.3 | 80.3 | 29.5 | 11.6 | 73.1 |
| Northern Victoria | 94.6 | 12.5 | 107.2 | 13.2 | 120.4 | 42.1 | 11.0 | 74.1 |
| Eastern Victoria | 56.3 | 6.8 | 63.2 | 9.7 | 72.8 | 22.2 | 13.3 | 76.6 |
| Total | 1,020.9 | 99.8 | 1,120.8 | 136.5 | 1,257.2 | 452.3 | 10.9 | 73.5 |

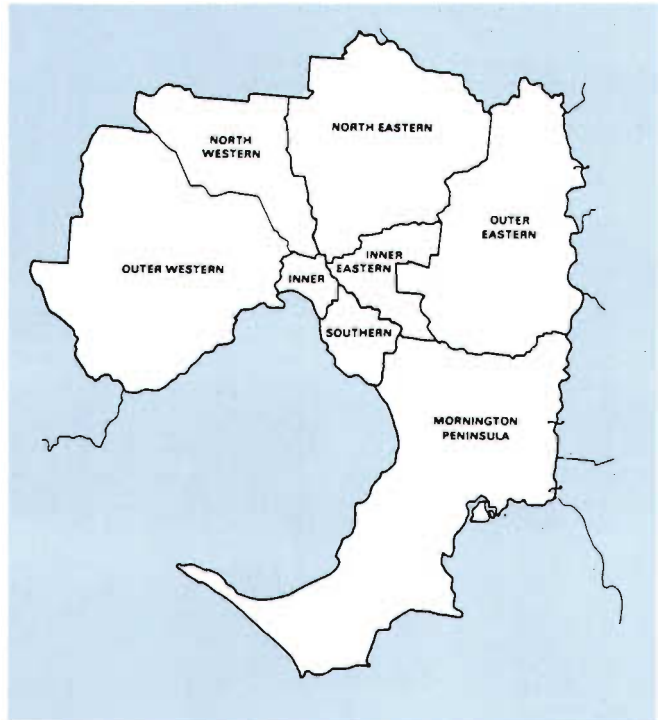
TABLE 3.5 CIVILIAN POPULATION AGED 15 YEARS AND OVER BY LABOUR FORCE STATUS, VICTORIAN REGIONS, AUGUST 1991 - *continued*

| Region | Employed | | | Unemp- loyed (<i>'000</i>) | Labour force (<i>'000</i>) | Not in labour force (<i>'000</i>) | Unemp- loyment rate (per cent) | Partici- pation rate (per cent) |
|---------------------------------|----------------------------------|----------------------------------|--------------------------|------------------------------------|------------------------------------|--|---|--|
| | Full- time (<i>'000</i>) | Part- time (<i>'000</i>) | Total (<i>'000</i>) | | | | | |
| MARRIED FEMALES | | | | | | | | |
| Melbourne Statistical Division- | 204.0 | 165.4 | 369.4 | 23.1 | 392.5 | 320.8 | 5.9 | 55.0 |
| Outer Western Melbourne | 32.6 | 24.7 | 57.3 | 4.9 | 62.2 | 49.7 | 7.9 | 55.6 |
| North Western Melbourne | 13.4 | 8.6 | 22.0 | *1.8 | 23.8 | 27.6 | *7.6 | 46.3 |
| Inner Melbourne | 12.3 | 3.7 | 15.9 | *2.5 | 18.5 | 11.0 | *13.8 | 62.7 |
| North Eastern Melbourne | 25.0 | 19.4 | 44.5 | *2.2 | 46.7 | 45.5 | *4.8 | 50.6 |
| Inner Eastern Melbourne | 29.4 | 27.2 | 56.6 | *1.5 | 58.1 | 42.9 | *2.6 | 57.5 |
| Southern Melbourne | 19.2 | 18.9 | 38.1 | *1.8 | 39.9 | 40.2 | *4.6 | 49.8 |
| Outer Eastern Melbourne | 27.7 | 31.0 | 58.8 | *2.7 | 61.5 | 42.8 | *4.4 | 59.0 |
| Mornington Peninsula | 44.5 | 31.8 | 76.3 | 5.5 | 81.9 | 61.0 | 6.7 | 57.3 |
| Balance of Victoria- | 74.0 | 71.0 | 145.0 | 9.0 | 154.0 | 157.9 | 5.9 | 49.4 |
| South Western Victoria | 17.7 | 18.7 | 36.3 | *2.2 | 38.6 | 41.4 | *5.8 | 48.2 |
| Western Victoria | 15.2 | 15.6 | 30.8 | *2.4 | 33.2 | 27.2 | *7.1 | 55.0 |
| Northern Victoria | 27.1 | 22.8 | 49.9 | *3.0 | 52.9 | 52.9 | *5.6 | 50.0 |
| Eastern Victoria | 14.0 | 13.9 | 27.9 | *1.4 | 29.3 | 36.4 | *4.9 | 44.6 |
| Total | 278.0 | 236.4 | 514.4 | 32.1 | 546.5 | 478.7 | 5.9 | 53.3 |
| ALL FEMALES | | | | | | | | |
| Melbourne Statistical Division- | 381.1 | 250.2 | 631.4 | 54.1 | 685.4 | 578.2 | 7.9 | 54.2 |
| Outer Western Melbourne | 53.2 | 37.8 | 91.0 | 10.0 | 101.0 | 85.9 | 9.9 | 54.0 |
| North Western Melbourne | 29.0 | 12.8 | 41.8 | 4.1 | 45.9 | 47.2 | 8.9 | 49.3 |
| Inner Melbourne | 40.9 | 9.2 | 50.1 | 6.6 | 56.7 | 36.0 | 11.6 | 61.2 |
| North Eastern Melbourne | 46.8 | 27.4 | 74.2 | 4.1 | 78.3 | 75.6 | 5.3 | 50.9 |
| Inner Eastern Melbourne | 58.1 | 43.9 | 102.0 | 7.2 | 109.2 | 83.1 | 6.6 | 56.8 |
| Southern Melbourne | 39.1 | 28.9 | 68.0 | 5.7 | 73.7 | 77.3 | 7.7 | 48.8 |
| Outer Eastern Melbourne | 47.8 | 42.6 | 90.4 | 6.4 | 96.8 | 72.7 | 6.6 | 57.1 |
| Mornington Peninsula | 66.3 | 47.5 | 113.8 | 10.1 | 123.9 | 100.4 | 8.1 | 55.2 |
| Balance of Victoria- | 120.2 | 99.8 | 220.0 | 21.6 | 241.6 | 265.7 | 9.0 | 47.6 |
| South Western Victoria | 30.0 | 26.3 | 56.4 | 4.8 | 61.1 | 74.2 | 7.8 | 45.2 |
| Western Victoria | 25.2 | 21.2 | 46.4 | 7.2 | 53.5 | 51.3 | 13.4 | 51.1 |
| Northern Victoria | 42.2 | 33.2 | 75.5 | 7.0 | 82.5 | 85.5 | 8.5 | 49.1 |
| Eastern Victoria | 22.7 | 19.0 | 41.8 | *2.7 | 44.5 | 54.8 | *6.2 | 44.8 |
| Total | 501.3 | 350.0 | 851.3 | 75.7 | 927.1 | 843.9 | 8.2 | 52.3 |
| PERSONS | | | | | | | | |
| Melbourne Statistical Division- | 1,109.9 | 318.9 | 1,428.8 | 148.4 | 1,577.2 | 898.3 | 9.4 | 63.7 |
| Outer Western Melbourne | 163.0 | 46.2 | 209.2 | 27.1 | 236.3 | 136.4 | 11.5 | 63.4 |
| North Western Melbourne | 78.8 | 17.0 | 95.8 | 13.4 | 109.2 | 75.0 | 12.3 | 59.3 |
| Inner Melbourne | 91.2 | 15.4 | 106.6 | 12.1 | 118.7 | 63.8 | 10.2 | 65.1 |
| North Eastern Melbourne | 142.0 | 35.6 | 177.6 | 16.8 | 194.4 | 114.0 | 8.7 | 63.0 |
| Inner Eastern Melbourne | 156.5 | 57.6 | 214.2 | 16.6 | 230.8 | 126.3 | 7.2 | 64.6 |
| Southern Melbourne | 119.8 | 36.8 | 156.7 | 14.5 | 171.1 | 119.5 | 8.4 | 58.9 |
| Outer Eastern Melbourne | 161.3 | 52.7 | 214.1 | 18.2 | 232.3 | 109.5 | 7.9 | 68.0 |
| Mornington Peninsula | 197.1 | 57.6 | 254.7 | 29.6 | 284.3 | 153.9 | 10.4 | 64.9 |
| Balance of Victoria- | 412.4 | 131.0 | 543.3 | 63.8 | 607.1 | 397.9 | 10.5 | 60.4 |
| South Western Victoria | 107.7 | 30.7 | 138.4 | 14.8 | 153.2 | 112.6 | 9.6 | 57.6 |
| Western Victoria | 88.7 | 28.6 | 117.3 | 16.4 | 133.8 | 80.8 | 12.3 | 62.4 |
| Northern Victoria | 136.9 | 45.7 | 182.6 | 20.2 | 202.9 | 127.6 | 10.0 | 61.4 |
| Eastern Victoria | 79.0 | 25.9 | 104.9 | 12.4 | 117.3 | 77.0 | 10.6 | 60.4 |
| Total | 1,522.2 | 449.9 | 1,972.1 | 212.2 | 2,184.3 | 1,296.2 | 9.7 | 62.8 |



Figure 7(a) Labour Force Regions, Victoria

Figure 7(b) Labour Force Regions, Melbourne Statistical Division

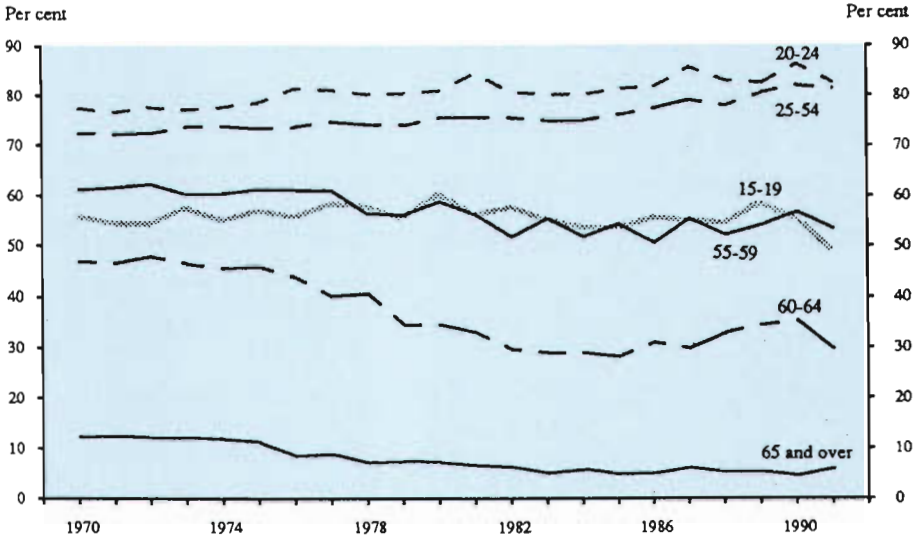


Participation rate

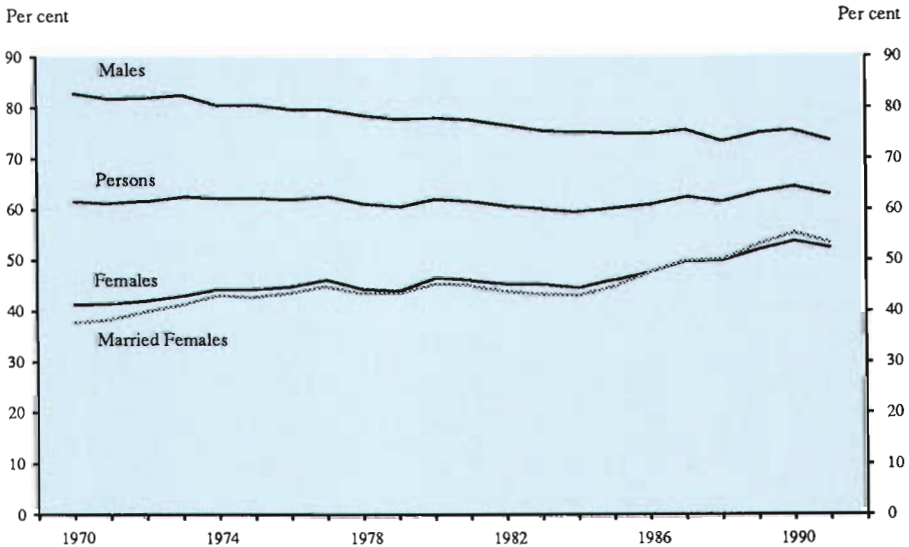
Over the past ten years the movement in participation rates varied according to age. The participation rates of the older age groups have declined, for example, for the 55-59 year age group. In the 15-19 year age group, participation rates have declined from 60 per cent ten years ago to 49 per cent in 1991. The 20-54 year age group participation rates have fluctuated between 74 per cent and 82 per cent.

During the last decade women have played an increasingly significant role in the labour force. The participation rate for all females rose from 46 per cent in August 1981 to 52 per cent in August 1991, the participation rate for all females rose from 46 per cent in August 1981 to 52 per cent in August 1991,

**PARTICIPATION RATES BY AGE, VICTORIA
(August)**



**PARTICIPATION RATES BY SEX, VICTORIA
(August)**



with the rate for married females increasing from 45 per cent to 53 per cent over the same period. The rate for males declined from 78 per cent in August 1981 to 74 per cent in August 1991.

Industry and occupation

Between 1986 and 1991 the number of employed wage and salary earners in Victoria increased by 9 per cent. The three industries which showed an increase were Recreation, personal and other services, (increasing by 50 per cent), Agriculture, forestry, fishing, and hunting (increasing by 24 per cent), and Finance, property and business services (increasing by 18 per cent). The largest decline was recorded for Electricity, gas and water (down by 35 per cent).

Over the 12 month period from August 1990 to August 1991 the number of employed wage and salary earners decreased by 5 per cent. The most significant decrease (25 per cent) was in the Construction industry. The largest increase in the number of employed wage and salary earners in the twelve months to August 1991 (10 per cent) was in the Transport and storage industry.

In August 1991, 40 per cent of people in the Community services industry were professionals, while only 4 per cent of persons in the Wholesale and retail industry were classified as professionals. In the Manufacturing industry 41 per cent of employed persons were plant operators, drivers or labourers, while in the Construction industry the corresponding figure was just over 22 per cent.

TABLE 3.6 EMPLOYED WAGE AND SALARY EARNERS BY INDUSTRY, VICTORIA
(‘000)

| Industry division or subdivision | August | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
| Agriculture, forestry, fishing, and hunting - | 22.8 | 24.3 | 20.3 | 23.4 | 27.8 | 28.2 |
| Mining | 5.1 | 7.5 | 5.4 | 6.5 | 5.9 | 4.0 |
| Manufacturing - | 353.2 | 371.0 | 386.8 | 386.0 | 373.9 | 347.7 |
| Food, beverages, and tobacco | 41.3 | 52.3 | 48.1 | 42.4 | 45.9 | 51.2 |
| Metal products | 41.9 | 47.3 | 47.9 | 50.2 | 42.8 | 36.6 |
| Other manufacturing | 270.1 | 271.4 | 290.7 | 293.4 | 285.2 | 259.8 |
| Electricity, gas, and water | 40.5 | 33.4 | 33.9 | 31.9 | 28.6 | 26.5 |
| Construction | 77.3 | 76.6 | 79.6 | 93.9 | 96.1 | 71.9 |
| Wholesale and retail trade - | 276.1 | 294.9 | 316.9 | 344.3 | 353.4 | 326.8 |
| Wholesale trade | 90.2 | 98.1 | 109.0 | 107.7 | 113.4 | 99.8 |
| Retail trade | 185.8 | 196.8 | 207.9 | 236.7 | 240.1 | 227.0 |
| Transport and storage | 79.8 | 77.7 | 73.2 | 82.7 | 70.9 | 77.9 |
| Communication | 38.3 | 39.7 | 34.6 | 41.3 | 40.1 | 39.8 |
| Finance, property, and business services | 167.7 | 173.7 | 186.4 | 205.4 | 208.5 | 197.7 |
| Public administration and defence | 87.9 | 96.1 | 85.6 | 84.1 | 95.9 | 100.2 |
| Community services | 311.3 | 341.1 | 322.6 | 333.4 | 362.3 | 347.6 |
| Recreation, personal, and other services | 71.1 | 89.2 | 79.9 | 106.6 | 104.4 | 106.7 |
| Total employed | 1,531.1 | 1,625.3 | 1,625.2 | 1,739.4 | 1,767.8 | 1,675.0 |

TABLE 3.7 EMPLOYED PERSONS: INDUSTRY BY OCCUPATION, VICTORIA, AUGUST 1991
(^{'000})

| Industry division or sub-division | Occupation group | | | | | | | | Total |
|--|--------------------------------|---------------|------------------------|-------------------|--------------|--|--|-------------------------------------|----------------|
| | Managers and administrators | Professionals | Para- professionals | Trades persons | Clerks | Salespersons and personal service workers | Plant and machine operators and drivers | Labourers and related workers | |
| Agriculture, forestry, fishing, and hunting - | 68.8 | *0.8 | *0.7 | 4.8 | *2.5 | *0.0 | *2.0 | 19.3 | 98.8 |
| Agriculture and services to agriculture | 68.8 | *0.3 | *0.7 | *4.4 | *1.7 | *0.0 | *0.9 | 16.9 | 93.7 |
| Mining | *0.8 | *1.0 | *0.3 | *0.5 | *0.7 | *0.0 | *0.2 | *0.5 | 4.0 |
| Manufacturing - | 24.4 | 22.1 | 9.6 | 98.8 | 44.5 | 17.1 | 72.3 | 77.7 | 366.6 |
| Food, beverages, and tobacco | *3.2 | *1.3 | *2.3 | 7.1 | *4.4 | *6.7 | 14.0 | 13.5 | 52.5 |
| Metal products | *2.3 | *3.1 | *0.5 | 14.3 | 5.0 | *1.1 | 5.2 | 8.0 | 39.5 |
| Other manufacturing | 18.9 | 17.8 | 6.8 | 77.4 | 35.0 | 9.4 | 53.2 | 56.2 | 247.6 |
| Electricity, gas, and water | *0.8 | *4.1 | *3.7 | 7.8 | *3.4 | *0.0 | *2.8 | *4.0 | 26.5 |
| Construction | 7.9 | *1.0 | *2.1 | 66.6 | 13.6 | *1.3 | 7.8 | 18.1 | 118.4 |
| Wholesale and retail trade - | 63.2 | 15.1 | 6.2 | 60.7 | 50.5 | 146.2 | 12.1 | 43.1 | 397.2 |
| Wholesale trade | 19.8 | 8.7 | *3.0 | 7.7 | 25.4 | 23.9 | 7.3 | 13.6 | 109.4 |
| Retail trade | 43.4 | 6.4 | *3.2 | 53.0 | 25.2 | 122.2 | 4.8 | 29.5 | 287.8 |
| Transport and storage | 6.1 | *2.6 | *3.7 | 6.9 | 15.3 | 12.2 | 36.0 | 9.1 | 91.8 |
| Communication | *1.6 | 5.4 | *1.8 | 10.0 | 17.7 | *0.8 | *1.1 | *1.8 | 40.0 |
| Finance, property, and business services | 20.6 | 56.6 | 6.1 | *3.1 | 87.5 | 35.0 | *1.5 | 16.8 | 227.0 |
| Public administration and defence | 4.6 | 16.9 | 8.6 | 6.7 | 38.2 | 6.7 | 4.7 | 13.8 | 100.2 |
| Community services | 11.9 | 147.0 | 63.2 | 11.2 | 54.5 | 33.4 | 5.7 | 39.1 | 366.0 |
| Recreation, personal, and other services | 15.2 | 8.9 | 5.5 | 28.9 | 13.0 | 36.8 | *1.6 | 25.6 | 135.4 |
| Total employed | 225.8 | 281.6 | 111.4 | 305.8 | 341.2 | 289.6 | 147.8 | 268.9 | 1,972.1 |

LABOUR

Earnings and hours

In Victoria, in August 1991, the average weekly hours worked by employed wage and salary earners was 34.2 hours. This has changed marginally in the five years since 1986. However, the average weekly hours worked varied considerably by industry. The highest average of 47.7 hours was worked by employees in the Mining industry. At the other end of the scale, average hours per week in the Retail trade and Recreation, personal and other services industries were just below 30.0. This reflects the greater usage of casual and part-time employees in these industries. Compared with the average weekly hours worked in August 1990, the greatest increase in hours worked was recorded for the Mining industry, going from 36.7 to 47.7.

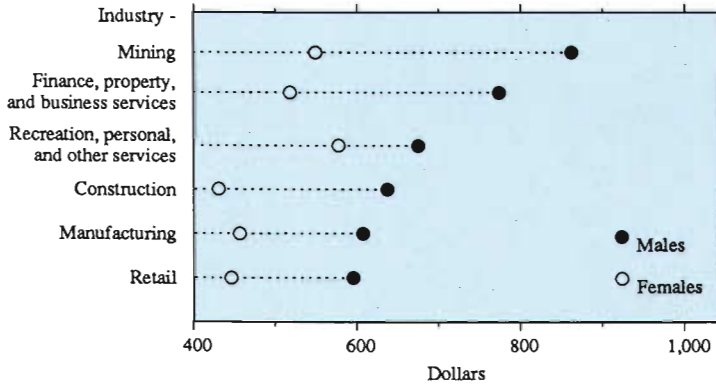
In 1990, the highest average weekly earnings of \$709.60 was recorded by employees in the Mining industry. The lowest average of \$319.60 was recorded for employees in the Agriculture, forestry and fishing and hunting industry. All industry divisions recorded an increase in average weekly earnings from August 1989 to August 1990. The greatest increase in average weekly earnings (13 per cent) was recorded by the Recreation, personal, and other services industry. Average weekly earnings for females were consistently lower than the average for males, with wide variations occurring between industry divisions. The largest difference was recorded in the Mining industry, where the average weekly earnings for females represented only 45 per cent of the male average. The smallest difference was in the Electricity, gas, and water industries, where the average for females was 81 per cent of the male average.

In August 1990, 12 per cent of full-time wage and salary earners aged 15 to 19 years earned \$360 or more per week, compared with 65 per cent of this age group who earned between \$120 and \$280 per week. Of full-time wage and salary earners aged 20-24 years, 65 per cent earned in excess of \$360 per week, compared with 57 per cent in August 1989. Overall, 280,800 full-time wage and salary earners earned \$640 or more per week, a 23 per cent increase since August 1989. Of full-time wage and salary earners who earned \$640 or more per week, 69 per cent were aged 25-44 years.

TABLE 3.8 AVERAGE WEEKLY HOURS WORKED BY EMPLOYED WAGE AND SALARY EARNERS BY INDUSTRY, VICTORIA
(hours)

| Industry division or subdivision | August | | | | | 1991 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| | 1986 | 1987 | 1988 | 1989 | 1990 | |
| Agriculture and services to agriculture | 39.5 | 37.6 | 38.6 | 37.6 | 37.2 | 40.1 |
| Mining | 41.1 | 42.7 | 37.6 | 45.7 | 36.7 | 47.4 |
| Manufacturing - | 38.1 | 37.7 | 38.5 | 39.0 | 38.7 | 36.7 |
| Food, beverage, and tobacco | 38.1 | 35.2 | 37.6 | 36.9 | 38.8 | 36.1 |
| Metal products | 39.2 | 39.4 | 39.8 | 39.7 | 38.4 | 36.4 |
| Other manufacturing | 37.9 | 37.9 | 38.4 | 39.1 | 38.7 | 36.9 |
| Electricity, gas, and water | 36.6 | 36.7 | 33.0 | 37.5 | 34.6 | 35.2 |
| Construction | 38.2 | 38.0 | 36.6 | 38.9 | 38.6 | 37.6 |
| Wholesale and retail trade - | 34.0 | 32.7 | 32.9 | 32.4 | 32.6 | 31.3 |
| Wholesale trade | 38.7 | 39.2 | 38.7 | 38.4 | 38.6 | 38.3 |
| Retail trade | 31.7 | 29.5 | 29.8 | 29.6 | 29.8 | 28.2 |
| Transport and storage | 38.3 | 38.4 | 38.9 | 38.5 | 39.9 | 37.7 |
| Communication | 34.1 | 33.1 | 34.1 | 35.0 | 34.8 | 33.0 |
| Finance, property, and business services | 37.4 | 35.4 | 35.9 | 37.2 | 37.3 | 37.2 |
| Public administration and defence | 32.9 | 31.9 | 33.8 | 32.3 | 32.2 | 32.9 |
| Community services | 32.3 | 32.4 | 32.6 | 33.0 | 32.3 | 32.4 |
| Recreation, personal, and other services | 31.1 | 29.6 | 31.1 | 30.0 | 29.5 | 29.9 |
| Total | 35.4 | 34.6 | 35.0 | 35.3 | 35.0 | 34.2 |

AVERAGE WEEKLY EARNINGS: FULL-TIME ADULT EMPLOYEES BY INDUSTRY BY GENDER, VICTORIA, FEBRUARY 1991



PERCENTAGE CHANGE IN EMPLOYED WAGE AND SALARY EARNERS BY INDUSTRY, VICTORIA, 1986 TO 1991

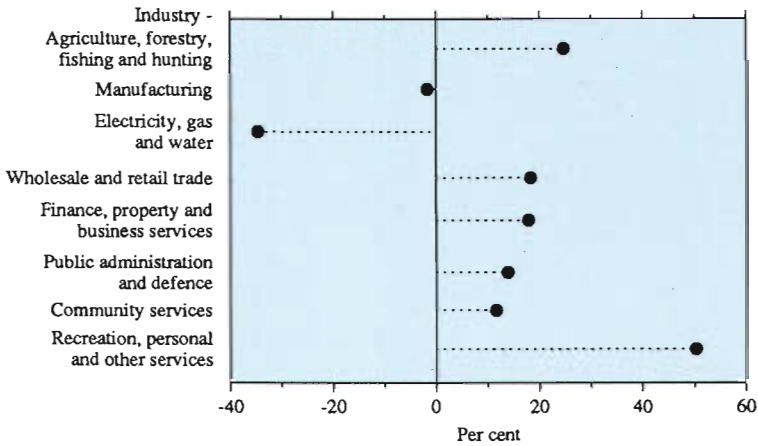


TABLE 3.9 AVERAGE WEEKLY EARNINGS: FULL TIME ADULT EMPLOYEES BY INDUSTRY, VICTORIA
(\$)

| Industry | February 1989 | | | February 1990 | | | February 1991 | | |
|--|---------------|---------------|---------------|---------------|--------------|--------------|---------------|--------------|--------------|
| | Males | Females | Persons | Males | Females | Persons | Males | Females | Persons |
| Mining | 832.60 | 530.90 | 799.50 | 788.2 | 451.9 | 764.1 | 863.8 | 550.2 | 838.6 |
| Manufacturing - | | | | | | | | | |
| Food, beverage, and tobacco | 530.30 | 417.50 | 504.10 | 561.2 | 437.6 | 524.8 | 604.2 | 474.6 | 562.6 |
| Textile, clothing, and footwear | 508.60 | 363.10 | 419.90 | 519.5 | 399.6 | 468.8 | 554.1 | 413.1 | 488.6 |
| Paper, paper products, printing and publishing | 584.10 | 411.00 | 535.70 | 633.8 | 463.6 | 581.3 | 613.7 | 461.8 | 570.5 |
| Chemical, petroleum, and coal products | 731.30 | 488.90 | 675.20 | 644.3 | 513.5 | 611.4 | 728.6 | 565.2 | 678.5 |
| Metal products, machinery, and equipment - | | | | | | | | | |
| Basic metal products | 636.00 | 459.40 | 614.00 | 655.4 | 509.2 | 633.1 | 701.6 | 443.0 | 663.5 |
| Fabricated metal products, other machinery, etc. | 554.10 | 388.90 | 510.70 | 556.1 | 414.5 | 524.9 | 608.0 | 446.0 | 577.8 |
| Transport equipment | 531.90 | 398.30 | 503.90 | 607.6 | 423.7 | 565.8 | 595.0 | 446.1 | 566.3 |
| Total metal products etc. | 555.60 | 395.70 | 518.70 | 584.4 | 424.3 | 549.7 | 612.9 | 445.8 | 582.1 |
| Other manufacturing | 554.50 | 393.50 | 503.80 | 574.9 | 438.7 | 536.9 | 558.9 | 432.9 | 531.3 |
| Total manufacturing | 555.00 | 394.30 | 510.00 | 579.1 | 433.6 | 542.3 | 605.6 | 454.9 | 567.5 |
| Electricity, gas, and water | 573.70 | 436.30 | 560.60 | 679.8 | 496.0 | 660.4 | 686.7 | 542.1 | 671.4 |
| Construction | 576.10 | 473.10 | 568.90 | 619.0 | 437.7 | 598.8 | 635.8 | 428.6 | 591.7 |
| Wholesale trade | 555.90 | 407.20 | 519.70 | 561.8 | 442.2 | 533.5 | 620.2 | 457.6 | 583.9 |
| Retail trade | 495.40 | 370.40 | 444.80 | 548.5 | 410.1 | 495.4 | 593.1 | 444.3 | 542.9 |
| Transport and storage, communication | 534.40 | 466.10 | 523.20 | 566.2 | 432.9 | 540.5 | 647.0 | 568.4 | 627.2 |
| Finance, property and business services | 679.40 | 460.80 | 586.80 | 716.0 | 484.0 | 613.1 | 774.8 | 518.8 | 655.4 |
| Public administration, community services, etc. | 597.80 | 496.80 | 546.40 | 647.2 | 534.5 | 587.5 | 675.2 | 577.7 | 624.1 |
| Recreation, personal and other services | 449.10 | 371.90 | 414.20 | 458.6 | 403.4 | 437.4 | 460.4 | 404.8 | 433.9 |
| Total all industries | 571.20 | 444.60 | 527.70 | 603.9 | 478.6 | 561.0 | 641.5 | 518.6 | 597.9 |

TABLE 3.10 EMPLOYED WAGE AND SALARY EARNERS BY SECTOR: VICTORIA
(‘000)

| | <i>Commonwealth Government</i> | <i>State Government</i> | <i>Local Government</i> | <i>Total Public sector</i> | <i>Private sector</i> | <i>Total</i> |
|----------|------------------------------------|-----------------------------|-----------------------------|--------------------------------|---------------------------|--------------|
| 1987 - | | | | | | |
| February | 101.1 | 303.3 | 42.7 | 447.1 | 1,120.5 | 1,567.7 |
| May | 99.9 | 312.7 | 43.2 | 455.8 | 1,148.2 | 1,604.0 |
| August | 99.8 | 313.5 | 44.0 | 457.2 | 1,162.2 | 1,619.4 |
| November | 98.5 | 310.9 | 43.9 | 453.2 | 1,186.4 | 1,639.7 |
| 1988 - | | | | | | |
| February | 99.4 | 304.7 | 43.8 | 448.0 | 1,194.6 | 1,642.5 |
| May | 97.8 | 314.0 | 43.9 | 455.7 | 1,196.7 | 1,652.4 |
| August | 97.3 | 318.0 | 44.2 | 459.6 | 1,225.4 | 1,685.0 |
| November | 97.4 | 316.9 | 44.5 | 458.8 | 1,254.6 | 1,713.4 |
| 1989 - | | | | | | |
| February | 97.1 | 304.5 | 44.5 | 446.1 | 1,269.3 | 1,715.3 |
| May | 94.8 | 313.8 | 45.2 | 453.8 | 1,257.1 | 1,710.9 |
| August | 93.0 | 317.2 | 45.8 | 456.0 | 1,278.1 | 1,734.2 |
| November | 92.0 | 316.0 | 46.0 | 454.0 | 1,278.0 | 1,732.0 |
| 1990 - | | | | | | |
| February | 94.4 | 308.1 | 45.7 | 448.2 | 1,261.2 | 1,709.3 |
| May | 93.0 | 316.3 | 46.5 | 455.8 | 1,258.6 | 1,714.4 |
| August | 92.3 | 317.1 | 46.0 | 455.4 | 1,246.1 | 1,701.5 |
| November | 92.5 | 315.9 | 46.1 | 454.6 | 1,252.4 | 1,707.0 |
| 1991 - | | | | | | |
| February | 104.2 | 290.7 | 46.2 | 441.1 | 1,199.7 | 1,640.8 |

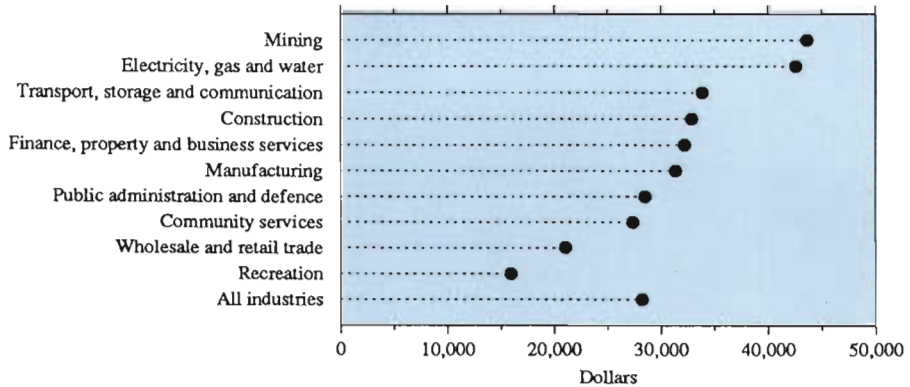
**TABLE 3.11 WEEKLY EARNINGS OF ALL WAGE AND SALARY EARNERS WHO
WORKED FULL TIME IN THEIR MAIN JOB, BY AGE, VICTORIA, AUGUST 1990**
(‘000)

| <i>Weekly earnings (\$)</i> | <i>Age groups (years)</i> | | | | | | | <i>Total</i> |
|-----------------------------|---------------------------|--------------|--------------|--------------|--------------|--------------------|--------------------|----------------|
| | <i>15-19</i> | <i>20-24</i> | <i>25-34</i> | <i>35-44</i> | <i>45-54</i> | <i>55 and over</i> | <i>20 and over</i> | |
| Under 120 | *1.1 | *0.8 | *2.1 | *1.4 | *1.2 | *0.6 | 6.2 | 7.3 |
| 120 and under 160 | 7.9 | *1.1 | *2.0 | *2.1 | *0.0 | *0.0 | 5.2 | 13.1 |
| 160 and under 200 | 12.2 | *4.4 | *1.1 | *1.4 | *1.7 | *0.7 | 9.3 | 21.6 |
| 200 and under 240 | 17.7 | 8.0 | 5.7 | *4.4 | 4.8 | *2.5 | 25.4 | 43.0 |
| 240 and under 280 | 15.7 | 10.2 | 5.4 | 7.1 | 6.4 | *3.6 | 32.7 | 48.5 |
| 280 and under 320 | 10.6 | 22.8 | 18.4 | 11.4 | 12.5 | 5.6 | 70.7 | 81.3 |
| 320 and under 360 | 6.8 | 30.3 | 28.1 | 24.7 | 19.4 | 11.2 | 113.8 | 120.6 |
| 360 and under 400 | *3.7 | 35.0 | 38.3 | 32.2 | 23.4 | 14.9 | 143.6 | 147.3 |
| 400 and under 440 | *1.4 | 29.2 | 43.5 | 27.0 | 25.4 | 12.4 | 137.4 | 138.8 |
| 440 and under 480 | *1.7 | 24.6 | 38.8 | 25.3 | 16.4 | 10.0 | 115.1 | 116.8 |
| 480 and under 520 | *0.8 | 19.1 | 43.4 | 34.4 | 22.6 | 12.9 | 132.4 | 133.2 |
| 520 and under 560 | *0.5 | 9.7 | 37.2 | 27.2 | 15.2 | 8.2 | 97.6 | 98.1 |
| 560 and under 600 | *0.3 | 8.4 | 30.1 | 19.8 | 9.1 | *4.1 | 71.4 | 71.7 |
| 600 and under 640 | *0.9 | 4.6 | 22.9 | 25.0 | 8.4 | *3.4 | 64.4 | 65.2 |
| 640 and under 680 | *0.0 | *2.9 | 20.0 | 14.8 | 9.6 | *2.5 | 49.8 | 49.8 |
| 680 and under 720 | *0.0 | *3.2 | 19.4 | 14.7 | 8.1 | *2.5 | 47.9 | 47.9 |
| 720 and under 760 | *0.0 | *1.3 | 9.3 | 14.1 | 6.9 | *1.3 | 32.8 | 32.8 |
| 760 and under 800 | *0.3 | *2.1 | 17.5 | 16.3 | 8.3 | *3.1 | 47.3 | 47.5 |
| 800 and over | *0.3 | *1.9 | 16.8 | 21.4 | 13.3 | 5.6 | 59.0 | 59.3 |
| Total | 82.0 | 219.6 | 400.0 | 324.5 | 212.7 | 105.1 | 1,261.9 | 1,343.9 |
| Mean weekly earnings (\$) | 266.5 | 416.5 | 537.9 | 565.6 | 532.0 | 531.4 | 523.0 | 507.8 |

Labour costs

In Victoria, the total major labour costs per employee for 1989-90 averaged \$28,217. An average of \$24,815 was paid as earnings. The average value of the remaining major labour costs were superannuation, \$1,425 per employee; payroll tax, \$1,020 per employee; workers' compensation, \$783 per employee, and fringe benefits tax, \$175 per employee.

**TOTAL LABOUR COSTS PER EMPLOYEE (PUBLIC AND PRIVATE SECTOR),
BY INDUSTRY, VICTORIA 1989-90**



Labour force experience

There were 2,385,800 persons in the labour force at some time during the year ending March 1991. Of these, 1,783,200 or 75 per cent were in the labour force for the whole year, the remainder working for only part of the year. There were 722,500 persons who were not in the labour force at any time during this period. There were 438,536 persons looking for work at some time during the year 1991.

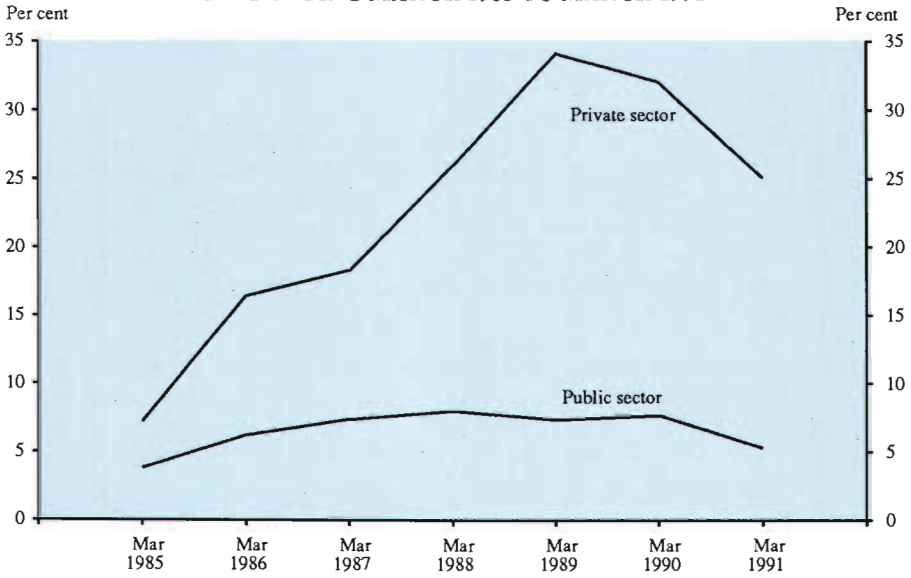
At March 1991 the participation rate for all persons over 15 was 64 per cent, but differences emerged for particular age and gender groups. Married males had higher participation rates than non-married males in all age groups except the 15-19 year age group and the over 70 year age group. In the 45-54 year age group the participation rate for married males was 91 per cent, compared with 80 per cent for non-married males. Conversely, married females had lower participation rates than non-married females in most age groups. The largest difference was in the 25-34 year age group, where married females had a participation rate of 64 per cent compared with 82 per cent for non-married females.

Labour mobility

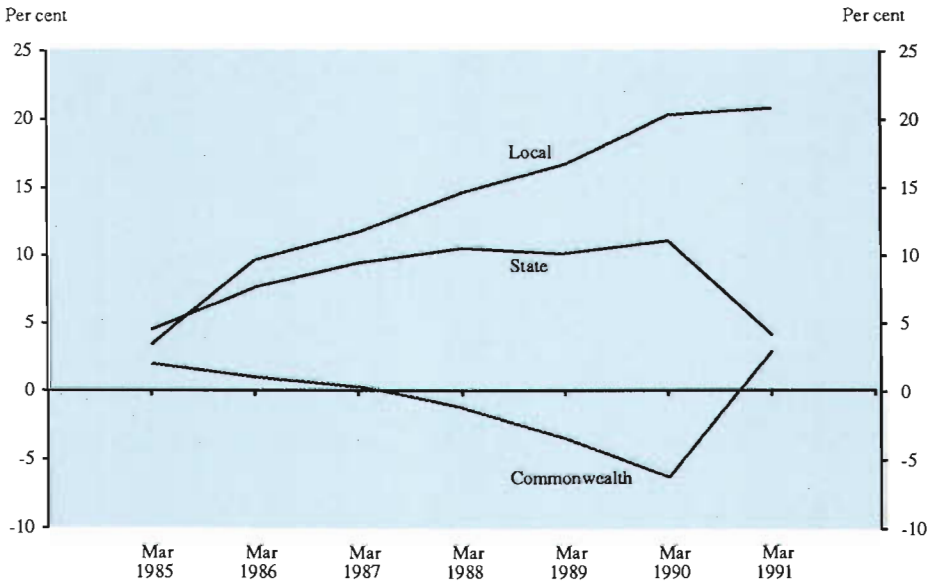
In Victoria, 2,031,800 persons were employed in February 1991. Of those employed persons, 19 per cent had been in their current job less than 12 months, while 24 per cent had held their current job for 10 years or more. Only 17 per cent of females had held their current job for 10 years or more, compared with 29 per cent of males. Of the 241,700 people who were working in both February 1990 and February 1991 but had held their current job for less than one year, 62 per cent had changed jobs within the same industry division, while 38 per cent had changed industry divisions.

Of the 2,265,600 persons who worked at some time during the year ending February 1991, 481,000 (20 per cent) ceased a job during the year. Of those who had left a job, 268,300 (56 per cent) had left voluntarily (job leavers), while 212,800 (44 per cent) had left involuntarily (job losers). This is a

**CUMULATIVE GROWTH IN THE NUMBER OF EMPLOYEES
SINCE MARCH 1984 BY SECTOR: VICTORIA,
YEARS ENDING MARCH 1985 TO MARCH 1991**



**CUMULATIVE PERCENTAGE CHANGE IN THE NUMBER OF EMPLOYEES
IN THE PUBLIC SECTOR SINCE MARCH 1984, VICTORIA,
YEARS ENDING MARCH 1985 TO MARCH 1991**



significant change from the situation in February 1990, when of the 541,100 persons who left a job, 383,500 (71 per cent) left voluntarily and 157,600 (29 per cent) left involuntarily. In the year ending February 1991, job losers were predominantly persons who had been retrenched (158,500 or 74 per cent). The highest rate of retrenchment (40 per cent) was experienced by persons who had been in their job for less than one year.

Education and labour force status

The level of educational attainment has a significant effect on the labour force status of Australian people. In Victoria, at February 1991, 1,200,100 persons had post-school qualifications whilst 1,726,500 did not have post-school qualifications. The participation rate of persons with post-school qualifications was 84.2 per cent, substantially higher than the participation rate of 66.3 per cent for persons without post-school qualifications. Similarly, persons with post-school qualifications experienced an unemployment rate of 6.5 per cent, compared with 11.3 per cent for those without post-school qualifications.

TABLE 3.12 LEAVERS OF EDUCATIONAL INSTITUTIONS WHO WERE AGED 15 TO 64 YEARS AND EMPLOYED: INDUSTRY AND OCCUPATION OF CURRENT JOB AND FULL-TIME OR PART-TIME STATUS BY TYPE OF EDUCATIONAL INSTITUTION ATTENDED FULL-TIME IN 1989, VICTORIA, MAY 1990
(^{'000})

| | Attended school in 1989 | Attended any educational institution (a) in 1989 | | |
|---|----------------------------|---|-------------|-------------|
| | | Males | Females | Persons |
| Industry of current job - | | | | |
| Manufacturing | 5.0 | 6.4 | *2.9 | 9.3 |
| Wholesale and retail trade | 14.8 | 9.3 | 9.8 | 19.2 |
| Finance, property and business services | *2.8 | 4.6 | 6.2 | 10.8 |
| Community services | *1.5 | *3.7 | 8.9 | 12.5 |
| Recreation, personal and other services | 4.9 | *3.5 | *3.8 | 7.3 |
| Other (b) | 5.0 | 7.3 | *4.0 | 11.3 |
| Occupation of current job - | | | | |
| Professionals | 0.2 | 6.1 | 5.4 | 11.5 |
| Tradespersons | 10.0 | 10.2 | *1.5 | 11.7 |
| Clerks | *3.6 | *2.4 | 8.2 | 10.5 |
| Salespersons and personal service workers | 11.8 | 4.5 | 14.3 | 18.8 |
| Labourers and related workers | 6.6 | 7.0 | 4.7 | 11.7 |
| Type of employment - | | | | |
| Full-time | 27.5 | 30.1 | 28.1 | 58.2 |
| Part-time | 6.5 | 4.8 | 7.5 | 12.3 |
| Males | 18.3 | 34.9 | .. | 34.9 |
| Females | 15.7 | .. | 35.6 | 35.6 |
| Total (c) | 34.0 | 34.9 | 35.6 | 70.5 |

(a) Includes persons who attended a tertiary institution.

(b) Includes persons employed in Agriculture, forestry, fishing and hunting; Mining; Construction; Transport and storage; Electricity, gas and water; Communication and Public administration and defence.

(c) Also includes persons employed as Managers and administrators; Para-professionals; and Plant and machine operators and drivers.

Of the persons who had post-school qualifications, 23 per cent held a degree, 32 per cent possessed trade or apprenticeship qualifications and 44 per cent held a certificate or diploma.

In May 1990, of an estimated 715,200 persons aged 15-24 years, 349,300 (49 per cent) were attending an educational institution. Of those attending full-time, 62 per cent were at school, 29 per cent were at a college or institute of higher education, 6 per cent were at TAFE or technical colleges and 3 per cent attended other institutions. Of the total aged 15-24 years attending an educational institution, 164,600 (47 per cent) were employed and 19,400 (6 per cent) were unemployed. The unemployment rate was 10.5 per cent for students in the age group 15-24 years.

In Victoria, an estimated 586,900 persons aged 15-64 years attended an educational institution in May 1989. Of these, 35 per cent were not attending an educational institution in May 1990. Of the 89,100 persons who left full-time education in 1990, the unemployment rate for persons who had left tertiary institutions was 16.5 per cent, compared with an unemployment rate of 16.0 per cent for those persons who had left school. This is a significant change from the previous year (1989) where the unemployment rate for tertiary leavers was 5.5 per cent and for school leavers 15.3 per cent. Of employed school leavers, 43 per cent were employed in the Wholesale and retail trade and 15 per cent in the Manufacturing industries. This contrasts with tertiary institution leavers; 30 per cent of whom were employed in the Community services industry, and 22 per cent in the Finance, property and business services industry. Of the 397,700 persons continuing their education, 45 per cent were attending school, 31 per cent were attending a university or college of advanced education and 18 per cent were attending a TAFE or technical college.

Education and work are combined in apprenticeships. In May 1990, there were 46,500 apprentices in Victoria. Of these, 65 per cent were aged 15-19 years and 35 per cent were aged 20-34 years. The majority of apprentices (57 per cent) were employed in the building, vehicle and electrical trades.

**TABLE 3.13 LEAVERS OF EDUCATIONAL INSTITUTIONS AGED 15 TO 64 YEARS:
LABOUR FORCE STATUS, AGE AND SEX, VICTORIA, MAY 1990**
(^{'000})

| | Aged 15 to 19 years | | | Aged 20 to 24 years | | | Total aged 15 to 64 years | | |
|------------------------|---------------------|---------|---------|---------------------|---------|---------|---------------------------|---------|---------|
| | Males | Females | Persons | Males | Females | Persons | Males | Females | Persons |
| In the labour force - | 25.2 | 22.8 | 48.0 | 9.8 | 12.3 | 22.1 | 41.7 | 42.4 | 84.1 |
| Employed - | 20.5 | 18.8 | 39.3 | 8.3 | 10.1 | 18.3 | 34.9 | 35.6 | 70.5 |
| Full-time | 17.1 | 14.3 | 31.3 | 7.2 | 8.6 | 15.8 | 30.1 | 28.1 | 58.2 |
| Part-time | *3.4 | 4.5 | 8.0 | *1.1 | *1.5 | *2.6 | 4.8 | 7.5 | 12.3 |
| Unemployed | 4.7 | *4.0 | 8.8 | *1.6 | *2.3 | *3.8 | 6.8 | 6.8 | 13.6 |
| Unemployment rate (a) | 18.7 | 17.7 | 18.1 | *16.3 | *18.7 | 17.2 | 16.3 | 16.0 | 16.2 |
| Participation rate (b) | 100.0 | 95.0 | 97.8 | 92.5 | 93.9 | 92.9 | 97.0 | 92.9 | 94.4 |

(a) Unemployed leavers as a percentage of leavers in the labour force.

(b) The percentage of leavers in the labour force.

TABLE 3.14 PERSONS AGED 15-69 YEARS: EDUCATIONAL ATTAINMENT AND LABOUR FORCE STATUS, VICTORIA, FEBRUARY 1991

| Region | Employed | | | Labour force ('000) | Not in labour force ('000) | Unemployment rate (Per cent) | Average duration of unemployment (weeks) | Participation rate (Per cent) |
|--|------------------|----------------|-------------------|---------------------|----------------------------|------------------------------|--|-------------------------------|
| | Full-time ('000) | Total ('000) | Unemployed ('000) | | | | | |
| MALES | | | | | | | | |
| With post-school qualifications | 558.5 | 589.2 | 36.8 | 626.0 | 71.6 | 5.9 | 26.9 | 89.7 |
| Degree | 133.7 | 145.2 | 6.1 | 151.3 | 10.0 | 4.1 | 21.4 | 93.8 |
| Trade qualification or apprenticeship | 266.0 | 278.4 | 20.5 | 298.9 | 42.4 | 6.9 | 30.4 | 87.6 |
| Certificate or diploma | 155.2 | 162.1 | 9.5 | 171.7 | 18.6 | 5.6 | 23.1 | 90.2 |
| Other | *3.5 | *3.5 | *0.6 | *4.1 | *0.8 | *14.2 | *23.8 | *84.5 |
| Without post-school qualifications (a) | 503.3 | 546.7 | 70.6 | 617.3 | 149.9 | 11.4 | 35.2 | 80.5 |
| Attended highest level of secondary school available | 135.5 | 158.8 | 18.9 | 177.8 | 34.6 | 10.6 | 15.7 | 83.7 |
| Did not attend highest level of secondary school available | 365.2 | 385.3 | 51.4 | 436.7 | 111.9 | 11.8 | 42.2 | 79.6 |
| Never attended school | *1.3 | *1.3 | *0.3 | *1.6 | *2.4 | *16.5 | *78.0 | *40.1 |
| Still at school | *0.0 | 21.2 | 7.4 | 28.7 | 60.8 | 26.0 | 14.0 | 32.1 |
| Total | 1,061.8 | 1,157.1 | 114.8 | 1,272.0 | 282.3 | 9.0 | 31.2 | 81.8 |
| FEMALES | | | | | | | | |
| With post-school qualifications | 220.3 | 355.2 | 29.0 | 384.2 | 118.3 | 7.5 | 20.9 | 76.5 |
| Degree | 67.7 | 91.5 | 7.2 | 98.7 | 20.4 | 7.3 | 12.4 | 82.8 |
| Trade qualification or apprenticeship | 12.4 | 21.8 | *1.7 | 23.5 | 13.4 | *7.3 | *11.8 | 63.7 |
| Certificate or diploma | 137.7 | 239.0 | 19.6 | 258.6 | 82.4 | 7.6 | 24.7 | 75.8 |
| Other | *2.4 | *2.9 | *0.5 | *3.4 | *2.0 | *14.5 | *25.9 | *62.8 |
| Without post-school qualifications (a) | 282.1 | 468.6 | 58.5 | 527.1 | 432.1 | 11.1 | 28.9 | 55.0 |
| Attended highest level of secondary school available | 83.1 | 135.6 | 19.5 | 155.1 | 73.4 | 12.6 | 17.4 | 67.9 |
| Did not attend highest level of secondary school available | 196.4 | 328.8 | 38.5 | 367.4 | 351.9 | 10.5 | 34.9 | 51.1 |
| Never attended school | *1.5 | *2.0 | *0.5 | *2.6 | 5.3 | *19.6 | *0.0 | *32.4 |
| Still at school | *0.0 | 22.9 | 6.8 | 29.6 | 57.2 | 22.9 | 19.9 | 34.1 |
| Total | 502.4 | 846.6 | 94.3 | 940.9 | 607.6 | 10.0 | 25.8 | 60.8 |

TABLE 3.14 PERSONS AGED 15-69 YEARS: EDUCATIONAL ATTAINMENT AND LABOUR FORCE STATUS, VICTORIA, FEBRUARY 1991 - continued

| Region | Employed | | | Labour force ('000) | Not in labour force ('000) | Unemployment rate (Per cent) | Average duration of unemployment (weeks) | Participation rate (Per cent) |
|--|------------------|----------------|-------------------|---------------------|----------------------------|------------------------------|--|-------------------------------|
| | Full-time ('000) | Total ('000) | Unemployed ('000) | | | | | |
| PERSONS | | | | | | | | |
| With post-school qualifications | 778.8 | 944.4 | 65.8 | 1,010.1 | 189.9 | 6.5 | 24.3 | 84.2 |
| Degree | 201.4 | 236.7 | 13.3 | 250.0 | 30.4 | 5.3 | 16.6 | 89.2 |
| Trade qualification or apprenticeship | 278.4 | 300.1 | 22.2 | 322.4 | 55.7 | 6.9 | 29.0 | 85.3 |
| Certificate or diploma | 292.9 | 401.1 | 29.1 | 430.2 | 101.0 | 6.8 | 24.2 | 81.0 |
| Other | 6.0 | 6.5 | *1.1 | 7.6 | *2.8 | *14.3 | *24.8 | 73.0 |
| Without post-school qualifications (a) | 785.4 | 1,015.3 | 129.1 | 1,144.4 | 463.8 | 11.3 | 32.3 | 66.3 |
| Attended highest level of secondary school available | 218.6 | 294.5 | 38.4 | 332.9 | 108.0 | 11.5 | 16.6 | 75.5 |
| Did not attend highest level of secondary school available | 561.6 | 714.1 | 89.9 | 804.0 | 463.8 | 11.2 | 39.1 | 63.4 |
| Never attended school | *2.8 | *3.4 | *0.8 | *4.1 | 7.7 | *18.4 | *32.5 | 35.0 |
| Still at school | *0.0 | 44.1 | 14.2 | 58.3 | 108.0 | 24.4 | 16.8 | 33.1 |
| Total | 1,564.2 | 2,003.8 | 209.1 | 2,212.9 | 890.0 | 9.4 | 28.7 | 71.3 |

(a) Includes persons for whom secondary school qualifications could not be determined.

Employee Training

Expenditure on formal training was reported by 21 per cent of all Victorian employers in the three month period July-September 1990. These employers spent a sum equivalent to 3.3 per cent of employees' gross wages and salaries on training, representing \$219.60 and eight hours training per employee. The cost of this training (i.e. wages and salaries, trainer costs, equipment, etc.) for Victorian employers was an average of \$27.40 per hour. Victoria's average training expenditure cost of 2.6 per cent of gross wages and salaries for all employers was equivalent to the Australian average.

Persons not in the labour force

In September 1990 an estimated 872,000 persons in the age group 15-69 years were not in the labour force (excluding institutionalised and boarding school pupils). These people represented 29 per cent of the civilian population in that age group. Females comprised 69 per cent of persons not in the labour force. Of these women, 71 per cent cited home duties or childcare as their main activity. Of the 270,300 males not in the labour force, 37 per cent reported their main activity as retirement or voluntary inactivity and a further 32 per cent cited their main activity as attending an educational institution.

Persons with marginal attachment to the labour force are those who are neither employed nor unemployed, but who want to work and are looking for work or are available to start work. In September 1990, these people numbered 170,700 in the age group 15-69 years. Of this number 73 per cent were females. An estimated 124,300 females were not looking for work, of whom 41 per cent stated family reasons (predominantly related to childcare) as their main reason for not looking for work. In contrast, of the 46,400 males not looking for work, 61 per cent reported personal reasons (predominantly attending an educational institution or own ill health/injury) as their main reason for not looking for work.

TABLE 3.15 PERSONS NOT IN THE LABOUR FORCE(a): GENDER BY MAIN ACTIVITY WHILE OUT OF THE LABOUR FORCE, VICTORIA

| <i>Main activity</i> | <i>Sept. 1988 ('000)</i> | <i>Proportion (Per cent)</i> | <i>Sept. 1989 ('000)</i> | <i>Proportion (Per cent)</i> | <i>Sept. 1990 ('000)</i> | <i>Proportion (Per cent)</i> |
|---|------------------------------|----------------------------------|------------------------------|----------------------------------|------------------------------|----------------------------------|
| MALES | | | | | | |
| Home duties, childcare | 21.0 | 7.4 | 21.8 | 8.1 | 10.4 | 3.8 |
| Attending an educational institution | 99.2 | 34.8 | 91.6 | 34.1 | 87.9 | 32.5 |
| Retired, voluntary inactive | 92.2 | 32.4 | 93.0 | 34.6 | 100.0 | 37.0 |
| Unpaid leave | *0.8 | 0.3 | *5.0 | 1.9 | *1.4 | *0.5 |
| Own illness, injury, disability, handicap | 57.6 | 20.2 | 43.2 | 16.1 | 55.7 | 20.6 |
| Looking after ill, disabled person | *2.8 | 1.0 | *5.7 | 2.1 | *2.0 | *0.7 |
| Travel, moving house | 4.6 | 1.6 | *1.6 | 0.6 | *4.4 | 1.6 |
| Worked in unpaid voluntary job | *3.7 | 1.3 | *2.8 | 1.0 | *3.7 | *1.4 |
| Other | *3.0 | 1.1 | *3.9 | 1.5 | *5.1 | *1.9 |
| Total | 284.9 | 100.0 | 268.5 | 100.0 | 270.3 | 100.0 |
| FEMALES | | | | | | |
| Home duties, childcare | 483.7 | 76.6 | 448.7 | 74.2 | 425.9 | 70.8 |
| Attending an educational institution | 89.4 | 14.2 | 89.9 | 14.9 | 92.5 | 15.4 |
| Retired, voluntary inactive | 15.9 | 2.5 | 27.2 | 4.5 | 43.6 | 7.2 |
| Unpaid leave | *0.8 | 0.1 | 6.8 | 1.1 | *0.3 | *0.0 |
| Own illness, injury, disability, handicap | 19.5 | 3.1 | 13.5 | 2.2 | 18.5 | 3.1 |
| Looking after ill, disabled person | 5.5 | 0.9 | *3.7 | 0.6 | 6.5 | 1.1 |
| Travel, moving house | *4.4 | 0.7 | 8.3 | 1.4 | *4.2 | *0.7 |
| Worked in unpaid voluntary job | 10.2 | 1.6 | *3.9 | 0.6 | 8.1 | 1.3 |
| Other | *2.3 | 0.4 | *3.3 | 0.5 | *2.2 | *0.4 |
| Total | 631.8 | 100.0 | 605.1 | 100.0 | 601.7 | 100.0 |
| PERSONS | | | | | | |
| Home duties, childcare | 504.7 | 55.1 | 470.5 | 53.9 | 436.2 | 50.0 |
| Attending an educational institution | 188.6 | 20.6 | 181.4 | 20.8 | 180.4 | 20.7 |
| Retired, voluntary inactive | 108.1 | 11.8 | 120.1 | 13.7 | 143.5 | 16.5 |
| Unpaid leave | *1.6 | 0.2 | 11.7 | 1.3 | *1.6 | *0.2 |
| Own illness, injury, disability, handicap | 77.0 | 8.4 | 56.7 | 6.5 | 74.2 | 8.5 |
| Looking after ill, disabled person | 8.4 | 0.9 | 9.4 | 1.1 | 8.5 | 1.0 |
| Travel, moving house | 9.0 | 1.0 | 9.7 | 1.1 | 8.6 | 1.0 |
| Worked in unpaid voluntary job | 13.9 | 1.5 | 6.7 | 0.8 | 11.7 | 1.3 |
| Other | 5.3 | 0.6 | 7.2 | 0.8 | 7.3 | 0.8 |
| Total | 916.7 | 100.0 | 873.6 | 100.0 | 872.0 | 100.0 |

(a) In September 1988 figures relate to persons 15 years and over and not in the Labour Force. In September 1989 and 1990 figures relate to persons in the age group 15-69 years and not in the Labour force.

Industrial disputes

For the period June 1990 to June 1991, industrial disputes in progress accounted for a total of 317,400 working days lost in Victoria. Of this number, 25 per cent (78,400) of working days lost occurred in October 1990. The industries which recorded the highest working days lost were in 'Other' industries, which includes such industries as public utilities, wholesale and retail trade, business services, community services, and public administration. These 'Other' industries were responsible for 29 per cent (90,700) of the total days lost.

TABLE 3.16 INDUSTRIAL DISPUTES: INDUSTRIES, WORKING DAYS LOST, VICTORIA ('000)

| Period | Manufacturing | | | Construction | Transport, storage and communication | Other industries (a) | All industries |
|-----------------|---------------|----------------------------------|---------------------|--------------|--|----------------------------|-------------------|
| | Mining | Metal products, and equipment | machinery, Other | | | | |
| 1982 | 4.5 | 65.2 | 187.5 | 60.6 | 8.0 | 42.2 | 368.0 |
| 1983 | 8.8 | 31.0 | 43.4 | 47.2 | 53.5 | 73.8 | 257.7 |
| 1984 | 2.9 | 40.9 | 78.9 | 17.0 | 13.3 | 33.3 | 186.4 |
| 1985 | 5.7 | 36.1 | 56.7 | 47.3 | 67.5 | 142.7 | 355.9 |
| 1986 | - | 58.4 | 85.2 | 34.9 | 11.3 | 192.0 | 381.8 |
| 1987 | 0.2 | 71.6 | 89.8 | 12.8 | 55.3 | 59.8 | 289.3 |
| 1988 | - | 133.7 | 46.1 | 34.8 | 41.2 | 106.8 | 362.6 |
| 1989 | 6.2 | 62.4 | 98.0 | 17.1 | 29.7 | 135.0 | 348.4 |
| 1990 | 56.0 | 38.9 | 44.3 | 21.4 | 86.0 | 144.6 | 391.2 |
| 1991 - | | | | | | | |
| January | - | 3.5 | 3.2 | - | 0.7 | 1.1 | 4.9 |
| February | - | 0.5 | 9.5 | 1.1 | 0.2 | 1.0 | 12.3 |
| March | - | - | 2.7 | 3.1 | 0.1 | 2.0 | 7.9 |
| April | - | 0.3 | 7.8 | 1.1 | 0.2 | - | 9.4 |
| May | - | 0.4 | 10.7 | 0.2 | 1.5 | 0.7 | 13.4 |
| June | - | 41.4 | 0.1 | 16.3 | 1.5 | 5.5 | 64.8 |
| 12 months ended | | | | | | | |
| June 1991 | 47.9 | 77.8 | 65.1 | 22.4 | 13.5 | 90.7 | 317.4 |

(a) Comprises Agriculture, forestry, fishing and hunting; Electricity, gas and water; Wholesale and retail trade; Finance, property and business services; Public administration and defence, Community Services, Recreation, personal and other services.

Trade unions

In ABS statistics, a trade union is defined as an organisation consisting of predominantly employees, whose principle activities include the negotiation of rates of pay and conditions of employment for its members. Data on trade union membership is collected from a census of trade unions conducted each year. Because this data is supplied by individual trade unions, some duplication occurs where people are members of more than one union. In addition, the percentages shown in table 3.17 should be regarded as giving only a broad indication of union membership among employees. This is due to the percentages being based on estimates of total employees which are derived from the Survey of Employment and Earnings and the Monthly Labour Force Survey. The number of union members who are unemployed will affect these percentages and comparison of data over time.

Additional trade union data was collected in several supplementary surveys conducted between November 1976 and August 1988. The numbers of trade union members measured in these surveys were lower than those derived from the census of trade unions because membership was only counted if it related to the employees' main job. Thus duplication due to membership of more than one union was avoided. Also excluded were those members whose trade union membership related to their second job, regardless of their union membership status in relation to their main job.

**TABLE 3.17 TRADE UNIONS: NUMBER OF MEMBERS, VICTORIA
DECEMBER 1979 TO JUNE 1990**

| Period | Separate Unions | Number of members (^{'000}) | | | Proportion of total employees (per cent) | | |
|---------------|--------------------|--|---------|---------|---|---------|---------|
| | | Males | Females | Persons | Males | Females | Persons |
| 31 December - | | | | | | | |
| 1979 | 174 | 514.5 | 235.5 | 750.0 | 60 | 44 | 54 |
| 1980 | 173 | 523.6 | 246.6 | 770.1 | 59 | 45 | 53 |
| 1981 | 173 | 522.9 | 248.8 | 771.7 | 58 | 45 | 53 |
| 1982 | 175 | 533.4 | 256.7 | 790.1 | 61 | 46 | 55 |
| 1983 | 174 | 529.1 | 259.1 | 788.2 | 61 | 46 | 55 |
| 1984 | 179 | 545.5 | 260.6 | 806.0 | 60 | 44 | 54 |
| 30 June(a) - | | | | | | | |
| 1985 | 177 | 568.0 | 290.5 | 858.5 | 65 | 47 | 57 |
| 1986 | 176 | 586.9 | 299.5 | 886.4 | 63 | 44 | 55 |
| 1987 | 166 | 578.4 | 297.3 | 875.7 | 63 | 42 | 54 |
| 1988 | 166 | 589.6 | 311.9 | 901.5 | 63 | 43 | 54 |
| 1989 | 160 | 598.9 | 332.3 | 931.2 | 62 | 43 | 54 |
| 1990 | 157 | 598.5 | 316.7 | 915.2 | 62 | 41 | 53 |

(a) Break in continuity of series. At 31 December until 1984, at 30 June from 1985.

**TABLE 3.18 NUMBER AND PROPORTION OF EMPLOYEES WHO WERE TRADE UNION
MEMBERS: GENDER BY INDUSTRY, VICTORIA**

| Industry | August 1986 | | August 1988 | | August 1990 | |
|---|-------------------------------|--------------------------|-------------------------------|--------------------------|-------------------------------|--------------------------|
| | Number (^{'000}) | Proportion (per cent) | Number (^{'000}) | Proportion (per cent) | Number (^{'000}) | Proportion (per cent) |
| MALES | | | | | | |
| Agriculture, forestry, fishing and hunting | *2.2 | 13 | *2.9 | *20 | *3.9 | *21 |
| Mining | *2.5 | 52 | *2.8 | *66 | *2.6 | *66 |
| Manufacturing | 132.6 | 54 | 141.5 | 52 | 140.2 | 53 |
| Electricity, gas, and water | 30.0 | 79 | 24.1 | 83 | 21.4 | 84 |
| Construction | 37.8 | 55 | 36.0 | 53 | 48.9 | 57 |
| Wholesale and retail trade | 37.9 | 24 | 43.0 | 24 | 38.2 | 19 |
| Transport and storage | 49.3 | 78 | 42.5 | 71 | 32.6 | 59 |
| Communication | 23.6 | 85 | 21.4 | 82 | 24.2 | 80 |
| Finance, property, and business services | 24.9 | 32 | 25.5 | 28 | 25.6 | 26 |
| Public administration and defence | 36.6 | 65 | 33.0 | 68 | 37.9 | 72 |
| Community services | 58.8 | 56 | 59.3 | 55 | 63.3 | 55 |
| Recreation, personal and other services | 9.9 | 31 | 8.0 | 23 | 12.0 | 30 |
| Total | 446.2 | 50 | 439.9 | 47 | 450.8 | 45 |

TABLE 3.18 EMPLOYEES WHO WERE TRADE UNION MEMBERS: GENDER BY INDUSTRY, VICTORIA - continued

| Industry | August 1986 | | August 1988 | | August 1990 | |
|--|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|
| | Number ('000) | Proportion (per cent) | Number ('000) | Proportion (per cent) | Number ('000) | Proportion (per cent) |
| FEMALES | | | | | | |
| Agriculture, forestry, fishing and hunting | *0.7 | *14 | *0.8 | *19 | *1.6 | *20 |
| Mining | *0.0 | *0 | *0.0 | *0 | *0.0 | *0 |
| Manufacturing | 53.9 | 49 | 47.6 | 42 | 46.9 | 41 |
| Electricity, gas, and water | *1.6 | *48 | *2.7 | *67 | *1.6 | 61 |
| Construction | *0.5 | *6 | *1.3 | *12 | *0.5 | 5 |
| Wholesale and retail trade | 36.9 | 31 | 38.5 | 27 | 42.2 | 26 |
| Transport and storage | 6.8 | 46 | *3.2 | *25 | 4.6 | 30 |
| Communication | 6.7 | 61 | 4.9 | 56 | 4.9 | 44 |
| Finance, property, and business services | 26.4 | 32 | 27.6 | 28 | 25.0 | 25 |
| Public administration and defence | 14.3 | 43 | 16.8 | 48 | 19.0 | 41 |
| Community services | 93.8 | 46 | 87.0 | 40 | 107.0 | 44 |
| Recreation, personal and other services | 7.7 | 20 | 12.1 | 28 | 15.0 | 25 |
| Total | 249.4 | 40 | 242.5 | 35 | 268.6 | 35 |
| PERSONS | | | | | | |
| Agriculture, forestry, fishing and hunting | *2.8 | *13 | *3.7 | 20 | 5.4 | 20 |
| Mining | *2.5 | *47 | *2.8 | 55 | *2.6 | *52 |
| Manufacturing | 186.5 | 52 | 189.1 | 49 | 187.0 | 50 |
| Electricity, gas, and water | 31.6 | 76 | 26.7 | 81 | 23.0 | 82 |
| Construction | 38.3 | 49 | 37.3 | 47 | 49.3 | 51 |
| Wholesale and retail trade | 74.9 | 27 | 81.5 | 26 | 80.4 | 22 |
| Transport and storage | 56.1 | 72 | 45.7 | 63 | 37.2 | 53 |
| Communication | 30.4 | 78 | 26.3 | 76 | 29.0 | 71 |
| Finance, property, and business services | 51.3 | 32 | 53.1 | 28 | 51.1 | 25 |
| Public administration and defence | 50.9 | 57 | 49.8 | 59 | 56.8 | 58 |
| Community services | 152.6 | 49 | 146.4 | 45 | 170.2 | 47 |
| Recreation, personal and other services | 17.7 | 25 | 20.1 | 25 | 27.0 | 27 |
| Total | 695.6 | 46 | 682.4 | 42 | 719.3 | 41 |

REFERENCES

Data sources

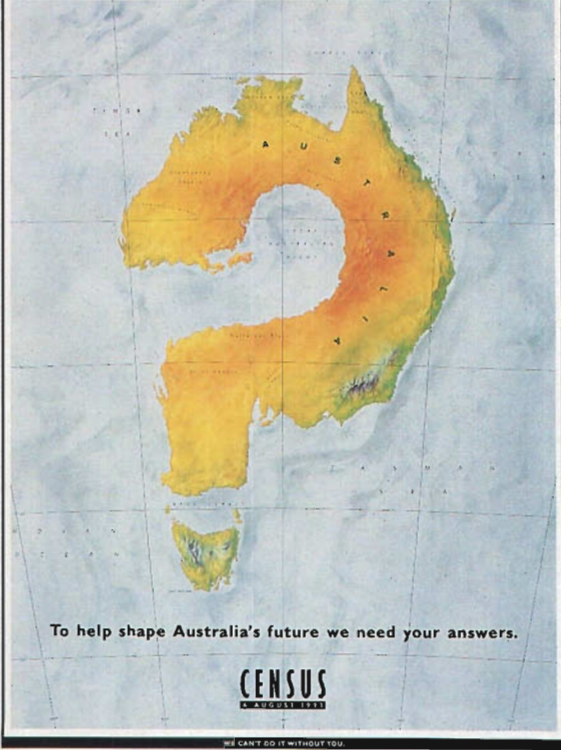
Currently, the ABS's principal sources of labour statistics are *household surveys* and *employer based surveys*. The ABS conducts a monthly household based labour force survey which provides estimates at a National, State and regional level. The major statistical indicators produced from the labour force survey are persons employed and unemployed, classified by age, sex, and marital status, expressed as a proportion of the civilian population aged 15 years and over; however additional questions to investigate particular aspects of the labour force are frequently included.

At present the ABS conducts sample surveys of employers, based on the ABS register of businesses and organisations. Since May 1983 the ABS has introduced new or upgraded quarterly surveys of employment and earnings; average weekly earnings; overtime; job vacancies; and an annual Survey of employee earnings and hours. During 1987 the ABS developed a range of labour costs surveys which were designed to identify the composition and rate of growth of labour costs.

ABS publications

- Labour Statistics, Australia* (6101.0) (annual)
- A Guide to Labour Statistics* (6102.0) (irregular)
- The Labour Force, Australia, Preliminary* (6202.0) (monthly)
- The Labour Force, Victoria* (6202.2) (quarterly)
- The Labour Force, Australia* (6203.0) (monthly)
- The Labour Force, Australia, Historical Summary 1966 to 1989* (irregular)
- Labour Force Experience, Australia* (6206.0) (annual)
- Labour Mobility, Australia* (6209.0) (annual)
- Persons Not in the Labour Force, Australia* (6220.0) (annual)
- Job Search Experience of Unemployed Persons, Australia* (6222.0) (two yearly)
- Transition From Education to Work, Australia* (6227.0) (annual)
- Information Paper: Questionnaires Used in the Labour Force Survey, Australia* (6232.0)
- Labour Force Status and Educational Attainment, Australia* (6235.0) (annual)
- Career Paths of Tradespersons, Australia* (6243.0) (irregular)
- Employed Wage and Salary Earners, Australia* (6248.0) (quarterly)
- Underemployed Workers, Australia* (6265.0) (irregular)
- Persons Who Have Left the Labour Force, Australia* (6267.0) (irregular)
- Information Paper: Labour Force Survey - Measuring Teenage Unemployment* (6270.0)
- Labour Force Status and Educational Attendance, Australia* (6272.0) (annual)
- Career Paths of Qualified Nurses, Australia* (6277.0) (irregular)
- How Workers Get Their Training, Australia* (6278.0) (irregular)
- Information Paper: Measuring Employment and Unemployment, Australia* (6279.0) (irregular)
- Average Weekly Earnings, States and Australia* (6302.0) (quarterly)
- Average Earnings and Hours of Employees, Australia* (6304.0) (annual)
- Weekly Earnings of Employees (Distribution), Australia* (6310.0) (annual)
- Award Rates of Pay Indexes, Australia* (6312.0) (monthly)
- Superannuation, Australia* (6319.0) (irregular)
- Industrial Disputes, Australia* (monthly) (6321.0) (monthly)
- Industrial Disputes, Australia* (quarterly) (6322.0) (annual)
- Trade Union Statistics, Australia* (6323.0) (annual)
- Trade Union Members, Australia* (6325.0) (irregular)
- Major Labour Costs, Australia* (6348.0) (annual)
- Employer Training Expenditure, Australia* (6353.0) (irregular)

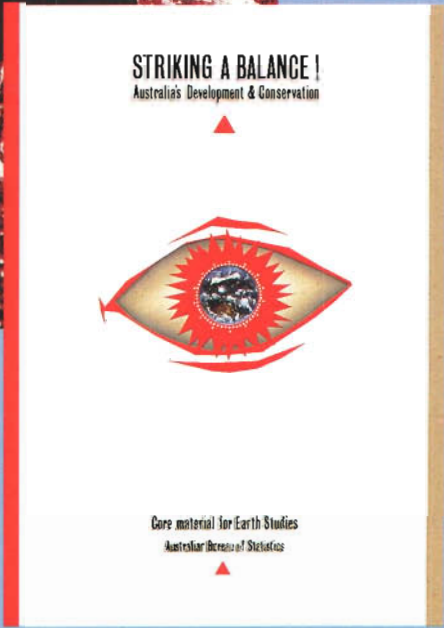
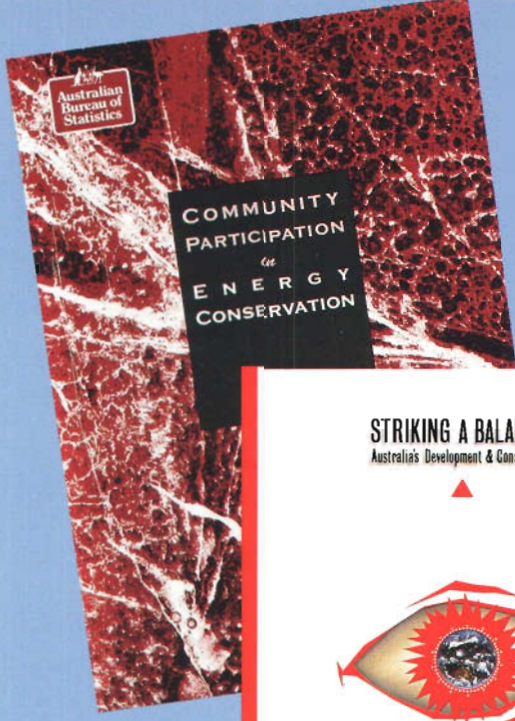
Australian Bureau of Statistics



To help shape Australia's future we need your answers.

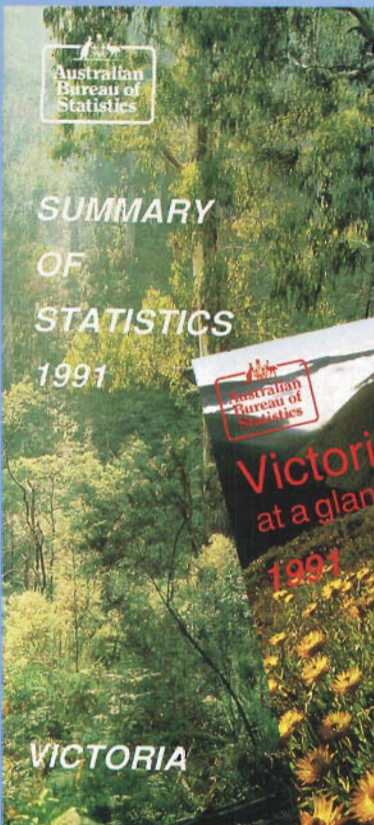
CENSUS
1991

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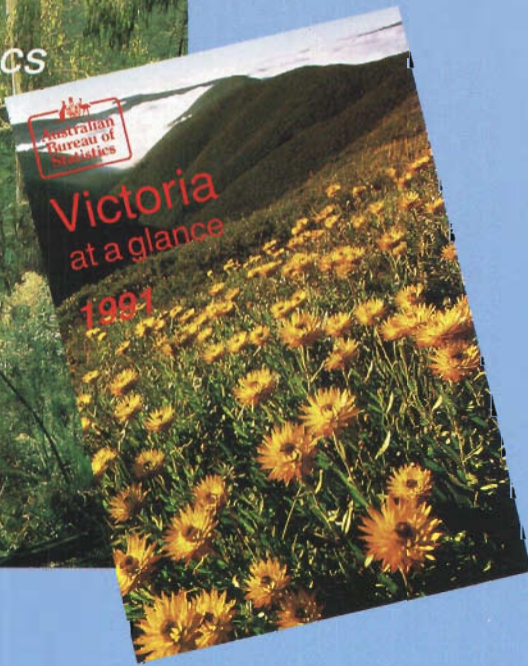
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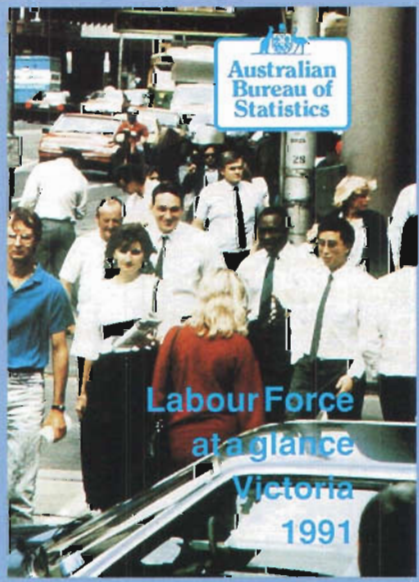
**SUMMARY
OF
STATISTICS**
1991

VICTORIA



**Victoria
at a glance**
1991

A selection of ABS Victoria publications produced in 1991-92, together with the Census 91 poster.



**Labour Force
at a glance
Victoria**
1991



LABOUR

Apprenticeship trainees in the Aircraft Maintenance (Electrical), Metal and Building Industries -
State Training Board of Victoria



4 Social



INTRODUCTION

This chapter provides an overview of social statistics for Victoria covering aspects of education, health, social welfare, recreation, and crime.

Secondary education in Victoria has undergone major changes with the phasing in of the Victorian Certificate of Education (VCE), which has become the sole means of assessing students in their final year. University enrolments increased by almost 8 per cent in 1990, with Arts being the most popular degree course.

Approximately one in every four Victorians consulted a doctor at least once in the 12 months to May 1990. The cost of services processed by Medicare in Victoria amounted to over \$1 billion for 1990.

Due to changing economic circumstances, the number of people receiving unemployment benefits increased by 23 per cent during the year ended 30 June 1990.

The number of people proceeded against by the police rose by 16 per cent. The major reported offences were theft, fraud and motor vehicle theft.

EDUCATION

The Victorian Certificate of Education

Major changes at Year 12 level have occurred due to the gradual introduction of the Victorian Certificate of Education (VCE). By 1990 the VCE had replaced the Higher School Certificate (HSC), Tertiary Orientation Program (TOP) and Technical Year 12 (T12) with one certificate. From 1992, the VCE will involve two years of continual assessment, in lieu of the HSC exam at the end of Year 12.

The VCE is designed to offer a wider range of subjects than was offered by the HSC, especially through the introduction of "new" subjects from areas such as technology and business. Over the two VCE years, most students will complete a total of 24 units from a range of different studies.

In 1991, each student studied four English units; four Mathematics, Science or Technology units; two Australian studies units; and two Arts or Humanities units. The remaining twelve units were chosen by the student.

Although VCE students undertake exams in every subject, these are not the sole basis for assessment. Assignments, essays, projects and research reports which are partly internally marked, also contribute to the final assessment.

Schools and Teachers

There were 2,753 schools in Victoria in July 1990. There has been a noticeable decrease in the number of government schools due to reorganisations and restructuring, particularly at secondary level.

The total enrolment of students in all Victorian schools in 1990 was 784,362, a decrease of 0.1 per cent compared with the previous year. Of the total numbers enrolled, 54.7 per cent were in primary schools and 45.3 per cent were in secondary schools. As from 1990, students attending special schools have not been identified separately and have been allocated to either primary or secondary level of education on the basis of age. This is due to the increasing trend of integrating, where possible, special students into mainstream education.

Government schools, which constituted almost three-quarters of all schools, had a student enrolment of 526,576. This figure represented a slight decrease from 1989. The gradual decline in student enrolments in government schools has continued for more than a decade, following the peak of government-school enrolments in 1977.

Non-government schools have continued to gradually attract more students, with 257,786 students enrolled in 1990. Approximately 71 per cent of non-government schools were Catholic schools. Of all students enrolled in non-government schools, there were 177,707 (68.9 per cent) students enrolled in Catholic schools, 27,649 (10.7 per cent) in Anglican schools and 52,430 (20.3 per cent) in other non-government schools. The proportion of students enrolled in non-government schools was larger at secondary level, especially at Year 12.

In 1990, all student participation rates (i.e. students in Year 12 as a percentage of the estimated resident population of the same age and sex) were higher than in 1989. This trend has been particularly significant for 17 year olds over the past five years. In 1985 the participation rate for 17 year old males was 43 per cent, compared with 57 per cent in 1990. For 17 year old females the participation rate has increased from 49 per cent to 70 per cent over the same period.

Apparent retention rates are measures of the tendencies of students to remain in secondary education from Year 7 to the senior years of secondary schooling. As in previous years, in 1990 the apparent retention rate to Year 12 for female students (74.0 per cent) was higher than the corresponding rate for males (57.4 per cent). The apparent retention rate to Year 12 has increased significantly over the last five years.

These increases in participation rates and apparent retention rates are due to such factors as changing economic and labour market circumstances, as well as government policy which has sought to encourage all students to continue to the senior levels of education.

The number of teaching staff (expressed in full-time equivalent units) decreased by 1.1 per cent, from 57,137 in 1989 to 56,459 in 1990. The teaching staff in government schools decreased by 1.9 per cent, but in non-government schools the number of teachers increased by 0.7 per cent. The number of students to every teacher was 13.2 for government schools, and 15.6 in non-government schools.

TABLE 4.1 SCHOOLS, STUDENTS, AND TEACHING STAFF (a), VICTORIA

| Year | Government | | | Non-government | | | Total | | |
|----------|------------|----------|----------------|----------------|----------|----------------|---------|----------|----------------|
| | Schools | Students | Teaching staff | Schools | Students | Teaching staff | Schools | Students | Teaching staff |
| 1985 | 2,118 | 558,764 | 42,699 | 734 | 245,176 | 15,505 | 2,852 | 803,940 | 58,204 |
| 1986 | 2,114 | 546,136 | 40,723 | 733 | 250,396 | 15,907 | 2,847 | 796,532 | 56,629 |
| 1987 | 2,091 | 537,895 | 41,432 | 729 | 253,086 | 16,192 | 2,820 | 790,981 | 57,624 |
| 1988 | 2,064 | 532,217 | 40,311 | 730 | 256,712 | 16,458 | 2,794 | 788,923 | 56,769 |
| 1989 (b) | 2,059 | 527,700 | 40,737 | 719 | 257,407 | 16,400 | 2,778 | 785,107 | 57,137 |
| 1990 | 2,038 | 526,576 | 39,950 | 715 | 257,786 | 16,508 | 2,753 | 784,362 | 56,459 |

(a) Number of full-time teaching staff plus full-time equivalents (FTE) of part-time teaching staff.

(b) With changes to staff tables in 1989, some staff previously classified as teaching staff are now classified as specialist support.

ALL SCHOOLS: NUMBER OF FULL-TIME STUDENTS BY CATEGORY OF SCHOOL AND LEVEL OF EDUCATION, VICTORIA 1990

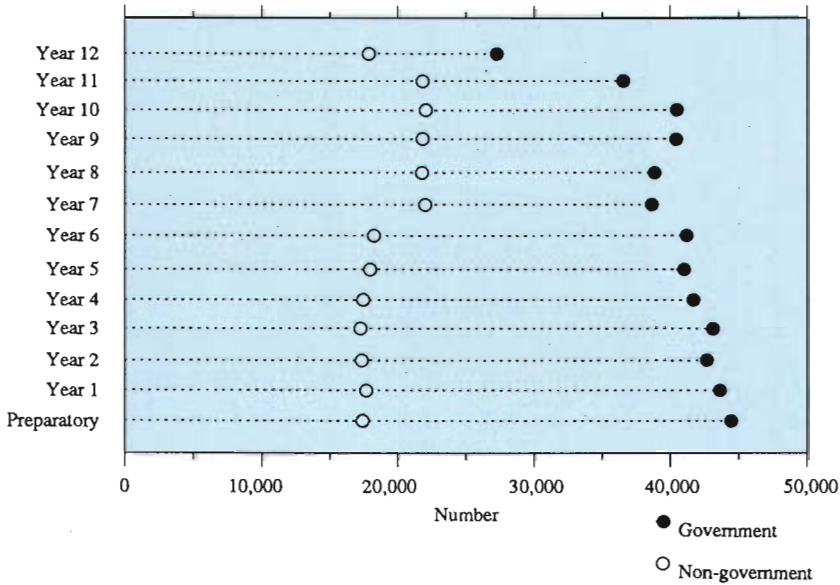


TABLE 4.2 NUMBER OF FULL-TIME STUDENTS (a): CATEGORY OF SCHOOL (AND NON-GOVERNMENT AFFILIATION), SEX, AND LEVEL OR YEAR OF EDUCATION, VICTORIA 1990

| Level/Year of education | Non-government (b) | | | | Total | All schools |
|-------------------------|--------------------|---------------|---------------|---------------|----------------|----------------|
| | Government schools | Catholic | Anglican | Other | | |
| MALES | | | | | | |
| Primary - | | | | | | |
| Preparatory | 23,090 | 7,470 | 418 | 1,341 | 9,229 | 32,319 |
| Year 1 | 22,707 | 7,597 | 473 | 1,291 | 9,361 | 32,068 |
| Year 2 | 22,035 | 7,544 | 526 | 1,285 | 9,355 | 31,390 |
| Year 3 | 21,807 | 7,360 | 621 | 1,207 | 9,188 | 30,995 |
| Year 4 | 21,349 | 7,182 | 667 | 1,319 | 9,168 | 30,517 |
| Year 5 | 20,965 | 7,261 | 844 | 1,424 | 9,529 | 30,494 |
| Year 6 | 20,933 | 7,233 | 951 | 1,457 | 9,641 | 30,574 |
| Ungraded | 965 | 91 | - | 287 | 378 | 1,343 |
| <i>Total primary</i> | <i>153,851</i> | <i>51,738</i> | <i>4,500</i> | <i>9,611</i> | <i>65,849</i> | <i>219,700</i> |
| Secondary - | | | | | | |
| Year 7 | 20,433 | 6,719 | 1,724 | 2,522 | 10,965 | 31,398 |
| Year 8 | 20,550 | 6,600 | 1,735 | 2,461 | 10,796 | 31,346 |
| Year 9 | 21,436 | 6,481 | 1,874 | 2,449 | 10,804 | 32,240 |
| Year 10 | 21,093 | 6,276 | 1,920 | 2,361 | 10,557 | 31,650 |
| Year 11 | 18,240 | 5,566 | 2,129 | 2,454 | 10,149 | 28,389 |
| Year 12 | 12,327 | 4,172 | 1,783 | 2,151 | 8,106 | 20,433 |
| Ungraded | 2,280 | 84 | - | 464 | 548 | 2,828 |
| <i>Total secondary</i> | <i>116,359</i> | <i>35,898</i> | <i>11,165</i> | <i>14,862</i> | <i>61,925</i> | <i>178,284</i> |
| Total males | 270,210 | 87,636 | 15,665 | 24,473 | 127,774 | 397,984 |

TABLE 4.2 NUMBER OF FULL-TIME STUDENTS (a): CATEGORY OF SCHOOL (AND NON-GOVERNMENT AFFILIATION), SEX, AND LEVEL OR YEAR OF EDUCATION, VICTORIA 1990 - continued

| Level/Year of education | Government schools | Non-government (b) | | | Total | All schools |
|-------------------------|--------------------|--------------------|---------------|---------------|----------------|----------------|
| | | Catholic | Anglican | Other | | |
| FEMALES | | | | | | |
| Primary - | | | | | | |
| Preparatory | 21,810 | 7,258 | 419 | 1,340 | 9,017 | 30,827 |
| Year 1 | 21,385 | 7,256 | 390 | 1,355 | 9,001 | 30,386 |
| Year 2 | 20,710 | 7,130 | 390 | 1,347 | 8,867 | 29,577 |
| Year 3 | 21,119 | 7,194 | 435 | 1,366 | 8,995 | 30,114 |
| Year 4 | 20,187 | 7,220 | 521 | 1,398 | 9,139 | 29,326 |
| Year 5 | 19,820 | 7,029 | 574 | 1,597 | 9,200 | 29,020 |
| Year 6 | 19,822 | 7,042 | 605 | 1,634 | 9,281 | 29,103 |
| Ungraded | 572 | 35 | - | 222 | 257 | 829 |
| <i>Total primary</i> | <i>145,425</i> | <i>50,164</i> | <i>3,334</i> | <i>10,259</i> | <i>63,757</i> | <i>209,182</i> |
| Secondary - | | | | | | |
| Year 7 | 18,273 | 6,959 | 1,260 | 2,785 | 11,004 | 29,277 |
| Year 8 | 18,624 | 6,907 | 1,284 | 2,784 | 10,975 | 29,599 |
| Year 9 | 19,105 | 6,844 | 1,417 | 2,806 | 11,067 | 30,172 |
| Year 10 | 19,678 | 7,062 | 1,557 | 2,913 | 11,532 | 31,210 |
| Year 11 | 18,711 | 6,693 | 1,650 | 3,145 | 11,488 | 30,199 |
| Year 12 | 14,949 | 5,416 | 1,482 | 2,902 | 9,800 | 24,749 |
| Ungraded | 1,601 | 26 | - | 363 | 389 | 1,990 |
| <i>Total secondary</i> | <i>110,941</i> | <i>39,907</i> | <i>8,650</i> | <i>17,698</i> | <i>66,255</i> | <i>177,196</i> |
| Total females | 256,366 | 90,071 | 11,984 | 27,957 | 130,012 | 386,378 |
| ALL STUDENTS | | | | | | |
| Primary - | | | | | | |
| Preparatory | 44,900 | 14,728 | 837 | 2,681 | 18,246 | 63,146 |
| Year 1 | 44,092 | 14,853 | 863 | 2,646 | 18,362 | 62,454 |
| Year 2 | 42,745 | 14,674 | 916 | 2,632 | 18,222 | 60,967 |
| Year 3 | 42,926 | 14,554 | 1,056 | 2,573 | 18,183 | 61,109 |
| Year 4 | 41,536 | 14,402 | 1,188 | 2,717 | 18,307 | 59,843 |
| Year 5 | 40,785 | 14,290 | 1,418 | 3,021 | 18,729 | 59,514 |
| Year 6 | 40,755 | 14,275 | 1,556 | 3,091 | 18,922 | 59,677 |
| Ungraded | 1,537 | 126 | - | 509 | 635 | 2,172 |
| <i>Total primary</i> | <i>299,276</i> | <i>101,902</i> | <i>7,834</i> | <i>19,870</i> | <i>129,606</i> | <i>428,882</i> |
| Secondary - | | | | | | |
| Year 7 | 38,706 | 13,678 | 2,984 | 5,307 | 21,969 | 60,675 |
| Year 8 | 39,174 | 13,507 | 3,019 | 5,245 | 21,771 | 60,945 |
| Year 9 | 40,541 | 13,325 | 3,291 | 5,255 | 21,871 | 62,412 |
| Year 10 | 40,771 | 13,338 | 3,477 | 5,274 | 22,089 | 62,860 |
| Year 11 | 36,951 | 12,259 | 3,779 | 5,599 | 21,637 | 58,588 |
| Year 12 | 27,276 | 9,588 | 3,265 | 5,053 | 17,906 | 45,182 |
| Ungraded | 3,881 | 110 | - | 827 | 937 | 4,818 |
| <i>Total secondary</i> | <i>227,300</i> | <i>75,805</i> | <i>19,815</i> | <i>32,560</i> | <i>128,180</i> | <i>355,480</i> |
| Total students | 526,576 | 177,707 | 27,649 | 52,430 | 257,786 | 784,362 |

(a) As from 1990 students attending special schools have not been identified separately and have been allocated to either primary or secondary level of education. (b) Includes full-time students attending special schools administered by government authorities other than the State Department of Education.

Higher education

Despite the re-introduction of fees, there has been an increase in the number of students studying at tertiary level. The number of students studying at tertiary level reached 138,142 in 1990, an increase of 8.1 per cent on the 1989 figure. The number of students attending a university increased by 5.6 per cent. The number of students undertaking higher and post-graduate degrees increased by 15.3 per cent overall. This trend was particularly noticeable at the Universities. There was a 7.4 per cent increase in the number of students in Bachelor degree courses and a 6.9 per cent increase in the number of students in "other" degree courses ("Other" courses include Diplomas, Certificates, and Associate Diplomas). The number of people studying for interest rather than to gain formal qualifications recovered slightly, from 396 people in 1989 to 492 in 1990, after a dramatic decrease in numbers in the period 1988-89.

In 1990, 23.0 per cent of students studied Arts, Humanities or the Social Sciences. However, Business Studies, Economics and Administration were also popular, attracting 21.5 per cent of the student population. In 1990 there was an increase in the number of students studying law or legal studies, especially at university level.

TABLE 4.3 TAFE: NUMBER OF STUDENTS ENROLLED BY MAJOR STREAM GROUP AND BY SEX, VICTORIA, 1984 TO 1989

| Year | Males | | | Females | | | Persons | | |
|------|----------------|------------------|---------|----------------|------------------|---------|----------------|------------------|---------|
| | Vocational (a) | Recreational (b) | Total | Vocational (a) | Recreational (b) | Total | Vocational (a) | Recreational (b) | Total |
| 1984 | 110,653 | 29,863 | 140,516 | 68,612 | 85,180 | 153,792 | 179,265 | 115,043 | 294,308 |
| 1985 | 115,326 | 31,071 | 146,397 | 77,604 | 101,198 | 178,802 | 192,930 | 132,269 | 325,199 |
| 1986 | 121,980 | 33,773 | 155,753 | 88,915 | 128,034 | 216,949 | 210,895 | 161,807 | 372,702 |
| 1987 | 129,010 | 31,585 | 160,595 | 94,719 | 124,984 | 219,703 | 223,729 | 156,569 | 380,298 |
| 1988 | 130,956 | 35,919 | 166,875 | 100,904 | 145,966 | 246,870 | 231,860 | 181,885 | 413,745 |
| 1989 | 135,169 | 46,163 | 181,332 | 115,613 | 170,908 | 286,521 | 250,782 | 217,071 | 467,853 |

(a) TAFE streams 2100 to 4500.

(b) Stream 1000, Recreation, leisure and personal enrichment.

TABLE 4.4 TAFE: NUMBER OF ENROLMENTS IN VOCATIONAL COURSES BY FIELD OF STUDY, VICTORIA, 1988 AND 1989

| Field of study | 1988 | | 1989 | |
|-------------------------|----------------|--------------|----------------|--------------|
| | Number | Per cent | Number | Per cent |
| Applied science | 3,773 | 1.6 | 3,853 | 1.5 |
| Art and design | 9,627 | 4.0 | 12,745 | 5.0 |
| Building | 22,482 | 9.3 | 23,904 | 9.5 |
| Business studies | 58,751 | 24.4 | 62,273 | 24.8 |
| Engineering | 42,329 | 17.6 | 44,437 | 17.7 |
| Rural and horticultural | 16,936 | 7.0 | 14,441 | 5.8 |
| Music | 259 | 0.1 | 306 | 0.1 |
| Paramedical | 1,098 | 0.5 | 1,480 | 0.6 |
| Industrial services | 13,650 | 5.7 | 13,370 | 5.3 |
| Personal services | 30,548 | 12.7 | 34,301 | 13.7 |
| General studies | 41,214 | 17.1 | 46,265 | 18.5 |
| Total (a) | 240,667 | 100.0 | 250,782 | 100.0 |

(a) Students may enrol in more than one field of study, thus causing the number of students enrolled by field of study to exceed the actual total number of students enrolled.

TABLE 4.5 HIGHER EDUCATION: NUMBER OF STUDENTS BY LEVEL OF COURSE AND TYPE OF ENROLMENT, VICTORIA, 1990

| | Level of course | | | | | Total Students |
|---|-----------------|---------------|---------------|---------------|------------|----------------|
| | Bachelor | Post-graduate | Higher Degree | Other | Non-award | |
| Universities - | | | | | | |
| Deakin University | 6,277 | 791 | 1,004 | 404 | 11 | 8,487 |
| La Trobe University | 10,224 | 1,829 | 1,166 | 686 | 10 | 13,915 |
| Monash University | 11,837 | 981 | 2,982 | - | 94 | 15,894 |
| University of Melbourne | 16,572 | 2,720 | 2,527 | 1,500 | - | 23,319 |
| Total Universities | 44,910 | 6,321 | 7,679 | 2,590 | 115 | 61,615 |
| Colleges or Institutes of Advanced Education - | | | | | | |
| Ballarat College of Advanced Education | 2,501 | 315 | 31 | 695 | - | 3,542 |
| Bendigo College of Advanced Education | 1,973 | 291 | 46 | 1,180 | 5 | 3,495 |
| Chisholm Institute of Technology | 7,180 | 1,036 | 172 | 1,313 | - | 9,701 |
| Footscray Institute of Technology | 4,279 | 572 | 184 | 1,121 | 23 | 6,179 |
| Gippsland Institute of Advanced Education | 2,675 | 725 | 7 | 1,141 | 58 | 4,606 |
| Hawthorn Institute of Technology | 58 | 1,028 | - | 655 | - | 1,741 |
| Institute of Catholic Education | 351 | 528 | 3 | 1,575 | 2 | 2,459 |
| Marcus Oldham Farm Management College | - | - | - | 107 | - | 107 |
| Phillip Institute of Technology | 4,161 | 597 | 56 | 1,970 | 151 | 6,935 |
| Royal Melbourne Institute of Technology Ltd | 11,423 | 1,205 | 969 | 68 | - | 13,665 |
| Swinburne Limited | 5,828 | 912 | 177 | 121 | - | 7,038 |
| Victoria College | 5,416 | 1,370 | 14 | 2,305 | 24 | 9,129 |
| Victoria College of Agriculture and Horticulture | 329 | 46 | - | 533 | - | 908 |
| Victorian College of Pharmacy Ltd | 397 | 11 | 39 | - | - | 447 |
| Warmambool Institute of Advanced Education | 2,358 | 203 | 6 | 413 | 114 | 3,094 |
| The Western Institute | 1,744 | 34 | - | 524 | - | 2,302 |
| Wodonga Institute of Tertiary Education | 55 | 15 | - | 436 | - | 506 |
| Total Colleges or Institutes of Advanced Education | 50,728 | 8,888 | 1,704 | 14,157 | 377 | 75,854 |
| Total higher education | 95,638 | 15,209 | 9,383 | 16,747 | 492 | 137,142 |

Source: Department of Employment, Education and Training

TABLE 4.6 HIGHER EDUCATION: NUMBER OF STUDENTS BY INSTITUTION AND FIELD OF STUDY, VICTORIA, 1990

| Institution | Agriculture | | Arts | | Business | | Engineering | | | Law | | Veterinary Science | Non-award Courses (a) | Total |
|---|--------------|--------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|------------|------------|--------------------|-----------------------|-------|
| | Animal | Architecture | Humanities | Social | Admin. | Education | Surveying | Health | Legal | Science | | | | |
| | Husbandry | Building | Sciences | Economics | Education | Surveying | Health | Studies | Science | | | | | |
| Universities- | | | | | | | | | | | | | | |
| Deakin University | - | 419 | 3,317 | 1,179 | 1,741 | 1 | 674 | - | 1,207 | - | 11 | 8,549 | | |
| La Trobe University | 213 | - | 5,850 | 1,416 | 1,062 | 118 | 2,951 | 104 | 2,191 | - | 10 | 13,915 | | |
| Monash University | - | - | 4,272 | 2,619 | 1,212 | 1,802 | 1,232 | 1,794 | 2,869 | - | 94 | 15,894 | | |
| University of Melbourne | 491 | 701 | 6,059 | 2,552 | 5,890 | 1,840 | 1,977 | 515 | 3,059 | 235 | - | 23,319 | | |
| Total Universities | 704 | 1,120 | 19,498 | 7,766 | 9,905 | 3,761 | 6,834 | 2,413 | 9,326 | 235 | 115 | 61,677 | | |
| Colleges of Advanced Education- | | | | | | | | | | | | | | |
| Ballarat College of Advanced Education | - | - | 734 | 734 | 758 | 424 | 414 | - | 544 | - | - | 3,608 | | |
| Bendigo College of Advanced Education | - | - | 746 | 836 | 640 | 84 | 634 | - | 602 | - | 5 | 3,547 | | |
| Chisholm Institute of Technology | - | - | 1,633 | 3,579 | 508 | 1,142 | 673 | 79 | 2,147 | - | - | 9,761 | | |
| Footscray Institute of Technology | - | 106 | 746 | 2,253 | 297 | 1,171 | 628 | - | 1,144 | - | 23 | 6,368 | | |
| Gippsland Institute of Advanced Education | - | - | 1,163 | 1,302 | 686 | 397 | 496 | - | 552 | - | 58 | 4,654 | | |
| Hawthorn Institute of Technology | - | - | - | - | 1,750 | - | - | - | - | - | - | 1,750 | | |
| Institute of Catholic Education | - | - | 180 | - | 1,691 | - | 586 | - | - | - | 2 | 2,459 | | |
| Marcus Oldham Farm Management College | 107 | - | - | - | - | - | - | - | - | - | - | 107 | | |
| Phillip Institute of Technology | - | - | 1,334 | 1,562 | 1,376 | 16 | 1,826 | 172 | 498 | - | 151 | 6,935 | | |
| Royal Melbourne Institute of Technology | - | 1,530 | 1,842 | 4,543 | - | 2,783 | 705 | - | 2,262 | - | - | 13,665 | | |
| Swinburne Limited | - | - | 1,686 | 2,158 | - | 1,960 | - | - | 1,237 | - | - | 7,041 | | |
| The Western Institute | - | - | 331 | 1,366 | - | - | 294 | - | 372 | - | - | 2,363 | | |
| The Wodonga Institute of Tertiary Education | - | - | 160 | 50 | 43 | - | 238 | - | 15 | - | - | 506 | | |
| Victorian College of Agriculture and Horticulture | 908 | - | - | - | - | - | - | - | - | - | - | 908 | | |
| Victoria College | - | 68 | 1,260 | 2,183 | 4,173 | - | 880 | - | 612 | - | 24 | 9,200 | | |
| Victorian College of Pharmacy | - | - | - | - | - | - | 447 | - | - | - | - | 447 | | |
| Warrnambool Institute of Advanced Education | - | - | 426 | 1,359 | 383 | 96 | 581 | - | 187 | - | 114 | 3,146 | | |
| Total Colleges | 1,015 | 1,704 | 12,241 | 21,925 | 12,305 | 8,073 | 8,402 | 251 | 10,172 | - | 377 | 76,465 | | |
| Total Higher Education | 1,719 | 2,824 | 31,739 | 29,691 | 22,210 | 11,834 | 15,236 | 2,664 | 19,498 | 235 | 492 | 138,142 | | |

SOCIAL

(a) Difference due to enabling courses being coded as "other".
Source: Department of Employment, Education and Training

HEALTH

The 1989-90 National Health Survey revealed that approximately 3.2 million, or 71.6 per cent of all Victorians experienced an illness in the two weeks prior to interview, whilst 65.2 per cent reported a long term condition. The most common recent illnesses reported were headaches (538,800), the common cold (439,500) and hypertension (359,400). The most frequently reported long term conditions were eyesight disorders (1,313,800) followed by hayfever (460,700) and arthritis (434,800). Of persons taking medication for a recent illness, almost half took pain relievers while 30.8 per cent took vitamins and minerals.

Almost 80 per cent of adult Victorians assessed their own health status as being good or excellent. Of Victorians who were aged over 18 years, 889,300 (27.6 per cent) were current smokers and almost two million (61.3 per cent) had consumed an alcoholic drink in the week before the interview. Over 35 per cent, or 1,146,200 people had reported undertaking no exercise in the two weeks prior to the interview, while 37.2 per cent regarded themselves as being overweight or obese.

TABLE 4.7 PERSONS AGED 18 YEARS AND OVER: WHETHER EXPERIENCED AN ILLNESS CONDITION, BY SELF ASSESSED HEALTH STATUS, BY AGE AND SEX, VICTORIA, 1989-90 ('000)

| Self assessed health status | Age group (years) | | | | | Males | Females | Persons |
|-----------------------------|-------------------|----------------|--------------|--------------|--------------|----------------|----------------|----------------|
| | 18 - 24 | 25 - 44 | 45 - 64 | 65 - 74 | 75 and over | | | |
| RECENT ILLNESS | | | | | | | | |
| Excellent | 111.9 | 325.9 | 126.7 | 33.1 | 17.9 | 269.9 | 345.6 | 615.4 |
| Good | 195.5 | 485.5 | 318.4 | 110.8 | 70.3 | 538.6 | 641.9 | 1,180.4 |
| Fair | 37.2 | 122.7 | 159.9 | 94.1 | 59.4 | 208.6 | 264.6 | 473.2 |
| Poor | *4.0 | 23.7 | 56.1 | 31.9 | 21.9 | 64.4 | 73.2 | 137.6 |
| Total | 348.6 | 957.8 | 661.0 | 269.9 | 169.3 | 1,081.4 | 1,325.2 | 2,406.7 |
| LONG-TERM CONDITION | | | | | | | | |
| Excellent | 95.4 | 304.5 | 157.9 | 39.5 | 23.3 | 296.4 | 324.3 | 620.6 |
| Good | 154.9 | 457.3 | 362.7 | 122.0 | 75.7 | 559.1 | 613.5 | 1,172.6 |
| Fair | 32.2 | 117.3 | 168.1 | 95.8 | 61.1 | 214.5 | 260.1 | 474.6 |
| Poor | *4.5 | 23.6 | 56.0 | 32.4 | 20.9 | 65.2 | 72.3 | 137.5 |
| Total | 287.1 | 902.8 | 744.8 | 289.7 | 180.9 | 1,135.2 | 1,270.1 | 2,405.3 |
| NO ILLNESS REPORTED | | | | | | | | |
| Excellent | 45.5 | 112.4 | 20.5 | *3.8 | *1.7 | 113.6 | 70.3 | 183.9 |
| Good | 52.0 | 98.2 | 26.8 | 3.7 | * | 114.6 | 67.4 | 181.9 |
| Fair | *4.1 | 7.6 | *3.6 | * | * | 9.8 | 6.1 | 15.9 |
| Poor | * | * | * | * | * | * | * | * |
| Total | 101.9 | 218.4 | 51.2 | 8.2 | *2.9 | 238.5 | 144.1 | 382.6 |
| TOTAL | | | | | | | | |
| Excellent | 189.5 | 526.8 | 195.9 | 45.7 | 25.3 | 494.8 | 488.4 | 983.2 |
| Good | 275.3 | 678.9 | 411.5 | 128.5 | 79.5 | 780.5 | 793.2 | 1,573.7 |
| Fair | 42.5 | 141.0 | 176.2 | 96.8 | 62.0 | 237.0 | 282.5 | 519.6 |
| Poor | 5.4 | 24.4 | 56.8 | 32.4 | 21.9 | 66.9 | 74.0 | 140.9 |
| Total | 513.6 | 1,371.2 | 840.5 | 303.4 | 188.6 | 1,579.2 | 1,638.1 | 3,217.3 |

TABLE 4.8 PERSONS WHO EXPERIENCED RECENT AND/OR LONG-TERM ILLNESS CONDITIONS: TYPE OF CONDITION (a) BY AGE, VICTORIA, 1989-90
(Rate per 1,000 population)

| Type of condition experienced | Age group (years) | | | | | | | Total |
|--|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Under 5 | 5 - 14 | 15 - 24 | 25 - 44 | 45 - 64 | 65 - 74 | 75 and over | |
| RECENT ILLNESS | | | | | | | | |
| Infectious and parasitic diseases | 30.2 | 37.4 | 25.0 | 24.1 | 17.7 | *14.7 | *18.8 | 24.5 |
| Neoplasms | * | * | * | 4.7 | 16.9 | 43.4 | 34.4 | 9.8 |
| Endocrine, nutritional and metabolic diseases and immunity disorders | * | *2.7 | 7.4 | 22.6 | 85.6 | 113.3 | 109.3 | 38.0 |
| Diseases of blood and blood forming agents | * | * | *4.1 | 8.0 | 8.8 | *11.2 | *14.7 | 6.5 |
| Mental disorders | * | 8.4 | 13.2 | 27.9 | 60.1 | 85.7 | 70.2 | 33.0 |
| Diseases of the nervous system and sense organs | 69.7 | 48.4 | 47.6 | 52.9 | 67.7 | 88.9 | 113.9 | 60.6 |
| Diseases of the circulatory system | * | * | *4.1 | 38.3 | 252.9 | 490.2 | 602.7 | 122.0 |
| Diseases of the respiratory system | 358.4 | 278.7 | 251.7 | 199.9 | 191.3 | 199.2 | 150.3 | 227.2 |
| Diseases of the digestive system | 137.5 | 102.6 | 87.7 | 114.5 | 147.6 | 215.0 | 205.7 | 127.3 |
| Diseases of the genitourinary system | *7.7 | 14.6 | 37.5 | 40.8 | 58.9 | 28.5 | 40.4 | 36.8 |
| Complications of pregnancy, childbirth and the puerperium | * | * | *1.9 | 3.5 | * | * | * | 1.4 |
| Diseases of the skin and subcutaneous tissue | 211.5 | 79.4 | 131.3 | 117.0 | 116.9 | 163.5 | 150.5 | 125.4 |
| Diseases of the musculoskeletal system and connective tissue | *9.8 | 26.3 | 62.0 | 109.3 | 224.6 | 335.5 | 362.3 | 131.5 |
| Congenital anomalies | * | * | * | * | * | * | * | * |
| Symptoms, signs and ill-defined conditions | 97.5 | 134.5 | 246.8 | 278.0 | 248.6 | 262.9 | 311.8 | 234.3 |
| Injury and poisoning | 51.6 | 63.1 | 80.9 | 55.1 | 47.5 | 56.8 | 50.7 | 58.7 |
| Disability NEC | * | * | * | * | * | * | * | *1.0 |
| Unspecified reasons | * | * | * | *2.5 | *3.2 | * | * | 2.6 |
| Total persons who reported a recent illness (b) | 703.0 | 580.6 | 670.3 | 698.5 | 786.4 | 889.6 | 897.7 | 716.3 |
| LONG TERM CONDITIONS | | | | | | | | |
| Infectious and parasitic diseases | * | *6.3 | 6.8 | 8.9 | *3.8 | *4.4 | *7.3 | 6.4 |
| Neoplasms | * | * | * | 7.2 | 24.1 | 64.0 | 50.3 | 13.9 |
| Endocrine, nutritional and metabolic diseases and immunity disorders | * | *5.5 | *6.0 | 35.6 | 122.2 | 161.6 | 103.2 | 52.5 |
| Diseases of blood and blood forming agents | * | * | 7.3 | 8.2 | 8.6 | *11.0 | *16.2 | 7.3 |
| Mental disorders | * | 14.2 | 14.2 | 24.8 | 35.4 | 41.2 | 29.9 | 23.3 |
| Diseases of the nervous system and sense organs | 42.5 | 116.3 | 214.4 | 294.7 | 663.2 | 758.2 | 806.3 | 363.6 |
| Diseases of the circulatory system | *9.8 | 8.7 | 12.6 | 80.8 | 279.1 | 488.3 | 481.5 | 138.3 |
| Diseases of the respiratory system | 123.7 | 236.7 | 253.0 | 218.8 | 204.3 | 212.9 | 134.7 | 213.4 |
| Diseases of the digestive system | *14.7 | 12.8 | 10.0 | 37.6 | 82.0 | 128.9 | 117.9 | 46.3 |
| Diseases of the genitourinary system | *7.2 | 15.2 | 16.3 | 25.0 | 37.2 | 36.9 | 46.3 | 25.0 |

TABLE 4.8 PERSONS WHO EXPERIENCED RECENT AND/OR LONG-TERM ILLNESS CONDITIONS: TYPE OF CONDITION (a) BY AGE, VICTORIA, 1989-90 - continued
(Rate per 1,000 population)

| Type of condition experienced | Age group (years) | | | | | | | Total |
|--|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Under 5 | 5 - 14 | 15 - 24 | 25 - 44 | 45 - 64 | 65 - 74 | 75 and over | |
| LONG TERM CONDITIONS - continued | | | | | | | | |
| Complications of pregnancy, childbirth and the puerperium | * | * | * | * | * | * | * | * |
| Diseases of the skin and subcutaneous tissue | 74.5 | 61.3 | 66.2 | 75.1 | 49.3 | 64.6 | 49.9 | 64.8 |
| Diseases of the musculoskeletal system and connective tissue | *10.2 | 27.1 | 129.4 | 241.6 | 409.2 | 522.5 | 524.5 | 240.2 |
| Congenital anomalies | * | * | * | * | * | * | * | *0.4 |
| Symptoms, signs and ill-defined conditions | 32.0 | 27.4 | 26.7 | 32.9 | 43.7 | 51.0 | 53.9 | 35.3 |
| Injury and poisoning | * | *4.9 | 9.3 | 10.0 | 7.4 | *10.1 | *15.1 | 8.4 |
| Disability NEC | *8.0 | *5.0 | *2.4 | 3.5 | *3.1 | *7.2 | * | 4.1 |
| Unspecified reasons | * | * | * | * | * | * | * | * |
| Total persons who reported a long-term condition (b) | 264.6 | 407.4 | 536.4 | 658.4 | 886.2 | 954.7 | 959.1 | 652.0 |

(a) Condition groups based on chapter headings of the International Classification of Diseases, Ninth Revision (ICD9).

(b) Each person may have reported more than one type of illness and therefore components do not add to totals.

TABLE 4.9 PERSONS WHO CONSULTED A DOCTOR, DENTIST OR OTHER HEALTH PROFESSIONAL DURING THE TWO WEEKS PRIOR TO INTERVIEW BY TYPE OF HEALTH PROFESSIONAL CONSULTED, VICTORIA, 1989-90

| Type of health professional consulted | Persons ('000) | Percentage of persons taking action (a) | Number of consultations ('000) |
|---------------------------------------|----------------|---|--------------------------------|
| Consultation with - | | | |
| Doctor | 851.0 | 19 | 1,068.6 |
| Dentist | 228.8 | 5 | 269.4 |
| Chemist | 117.2 | 3 | 130.1 |
| Optician/optometrist | 61.4 | 1 | 66.5 |
| Physiotherapist | 65.1 | 1 | 155.0 |
| Chiropractor | 68.2 | 2 | 98.1 |
| Nurse (excluding dental) | 60.1 | 1 | 93.1 |
| Chiropodist/podiatrist | 24.8 | 1 | 26.1 |
| Naturopath | 11.6 | * | 12.7 |
| Social worker/welfare officer | 10.3 | * | 14.9 |
| Psychologist | 11.5 | * | 17.0 |
| Acupuncturist | 7.0 | * | 9.2 |
| Dietician | 9.4 | * | 13.0 |
| Osteopath | *3.5 | * | *5.1 |
| Herbalist | *3.6 | * | *7.0 |
| Total (b) | 1,290.6 | 30 | 1,985.7 |

(a) Persons who consulted the health professional as a percentage of all persons who took any health related action in the two weeks prior to interview.

(b) Each person may have consulted more than one type of health professional and therefore components do not add to totals.

TABLE 4.10 PERSONS AGED 18 AND OVER: SMOKER STATUS, ALCOHOL INTAKE AND EXERCISE LEVEL BY STATISTICAL DIVISION, VICTORIA, 1989-90

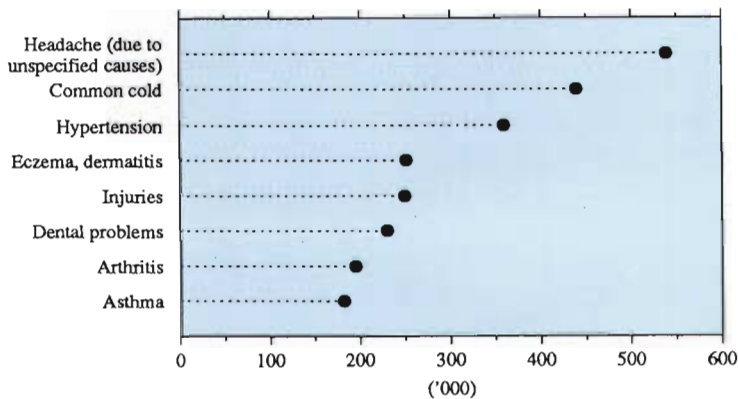
| | Melbourne | Barwon | South Western | Central Highlands | Wimmera | Northern Mallee | Loddon Campaspe | Goulburn | North Eastern | East Gippsland | Central Gippsland | East Central | Total Victoria |
|---------------------------------------|------------------|----------------|------------------|----------------------|---------------|--------------------|--------------------|----------------|------------------|-------------------|----------------------|-----------------|-------------------|
| <i>Smoker status -</i> | | | | | | | | | | | | | |
| Smoker | 642,230 | 44,290 | 15,689 | 18,624 | 9,034 | 15,922 | 41,993 | 30,802 | 20,387 | 16,113 | 23,160 | 11,065 | 889,308 |
| Ex-smoker | 518,558 | 40,387 | 20,245 | 20,587 | 5,034 | 9,361 | 35,698 | 24,605 | 11,863 | 11,936 | 24,092 | 13,067 | 735,433 |
| Never smoked | 1,131,496 | 81,795 | 40,311 | 52,076 | 11,329 | 27,035 | 63,134 | 57,263 | 32,586 | 29,398 | 46,054 | 20,096 | 1,592,573 |
| Total | 2,292,283 | 166,472 | 76,244 | 91,286 | 25,397 | 52,317 | 140,825 | 112,670 | 64,837 | 57,447 | 93,306 | 44,228 | 3,217,314 |
| <i>Alcohol risk level -</i> | | | | | | | | | | | | | |
| Not applicable | 868,013 | 73,661 | 35,551 | 38,816 | 9,974 | 21,179 | 64,719 | 40,283 | 20,037 | 23,317 | 32,786 | 16,765 | 1,245,102 |
| Low | 1,181,852 | 78,920 | 34,261 | 45,953 | 11,372 | 25,992 | 65,679 | 65,622 | 36,053 | 30,196 | 51,220 | 23,101 | 1,650,220 |
| Medium | 152,711 | 8,751 | 5,380 | 4,121 | 2,645 | 1,998 | 5,241 | 5,385 | 6,802 | 2,981 | 4,743 | 3,270 | 204,026 |
| High | 89,707 | 5,141 | 1,052 | 2,397 | 1,406 | 3,148 | 5,187 | 1,381 | 1,945 | 954 | 4,557 | 1,092 | 117,967 |
| Total persons who consumed alcohol | 1,424,270 | 92,811 | 40,694 | 52,470 | 15,423 | 31,138 | 76,106 | 72,387 | 44,800 | 34,130 | 60,520 | 27,462 | 1,972,212 |
| Total | 2,292,283 | 166,472 | 76,244 | 91,286 | 25,397 | 52,317 | 140,825 | 112,670 | 64,837 | 57,447 | 93,306 | 44,228 | 3,217,314 |
| <i>Exercise activity level -</i> | | | | | | | | | | | | | |
| Low | 605,932 | 39,280 | 18,058 | 21,268 | 9,485 | 16,188 | 34,553 | 23,992 | 16,954 | 16,191 | 23,857 | 13,250 | 839,007 |
| Moderate | 421,746 | 23,728 | 8,750 | 15,343 | 3,741 | 6,439 | 18,429 | 16,557 | 14,826 | 17,721 | 21,861 | 4,535 | 573,677 |
| High | 395,675 | 35,559 | 11,414 | 9,658 | 2,921 | 9,856 | 15,636 | 22,040 | 15,781 | 14,069 | 17,664 | 10,609 | 560,882 |
| Total | 2,292,283 | 166,472 | 76,244 | 91,286 | 25,397 | 52,317 | 140,825 | 112,670 | 64,837 | 57,447 | 93,306 | 44,228 | 3,217,314 |

TABLE 4.11 PERSONS WHO USED MEDICATION DURING THE TWO WEEKS PRIOR TO INTERVIEW: TYPE OF MEDICATION BY AGE, (a) VICTORIA, 1989-90

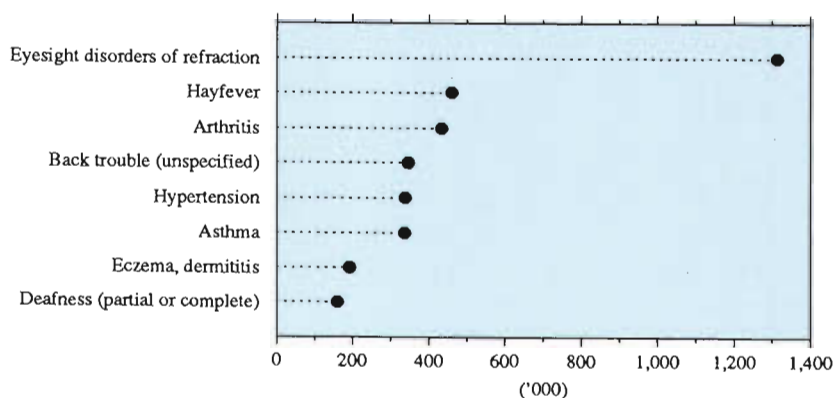
| Type of medication | Age group (years) | | | | | | | Total |
|---|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Under 5 | 5 - 14 | 15 - 24 | 25 - 44 | 45 - 64 | 65 - 74 | 75 and over | |
| Vitamin and mineral supplements | 155.7 | 157.9 | 200.4 | 241.7 | 233.9 | 221.6 | 222.9 | 213.1 |
| Medication for cough or cold | 278.4 | 150.9 | 131.4 | 100.0 | 94.0 | 88.9 | 93.0 | 123.0 |
| Medication for allergy | 46.1 | 71.1 | 55.2 | 60.5 | 53.6 | 53.2 | *13.7 | 56.2 |
| Skin ointments | 247.1 | 118.4 | 168.8 | 162.8 | 167.4 | 237.6 | 230.2 | 172.5 |
| Stomach medicines or laxatives | 24.7 | 28.3 | 45.8 | 63.6 | 111.5 | 177.6 | 190.0 | 75.5 |
| Medications for fluid, heart, blood pressure | * | * | *2.0 | 33.0 | 234.1 | 467.9 | 577.5 | 113.5 |
| Pain relievers | 291.7 | 205.3 | 344.3 | 376.5 | 389.8 | 353.2 | 344.5 | 340.3 |
| Sleeping medications | 29.8 | *2.0 | 7.1 | 27.4 | 75.9 | 180.2 | 221.9 | 49.0 |
| Tranquillisers or sedatives | *5.3 | * | *3.1 | 15.7 | 54.3 | 69.3 | 50.3 | 23.4 |
| Other medications | 130.7 | 116.7 | 132.9 | 143.5 | 240.0 | 414.4 | 399.7 | 185.6 |
| Total persons who used medications (b) | 668.5 | 534.2 | 634.4 | 681.6 | 775.2 | 874.8 | 896.2 | 692.7 |

(a) Rate per 1,000 population of same age.

(b) Each person may have reported taking medication for more than one reason and therefore components do not add to totals.

PERSONS EXPERIENCING A RECENT ILLNESS: MOST REPORTED CONDITIONS, VICTORIA 1989-90

**PERSONS EXPERIENCING LONG TERM CONDITIONS: MOST REPORTED
CONDITIONS, VICTORIA 1989-90**



Medicare

Medicare processed over 35 million claims for services in Victoria during the 1990-91 financial year, an increase of 1.5 per cent on the previous year. General Practitioner attendances amounted to 20,535,027 services, which represented 58.4 per cent of all Medicare services. Pathology was the next most utilised service with a total of 5,831,436 services; however this figure was a 3.5 per cent decrease on the number of services which were processed during 1989-90. The only other type of service which experienced a decrease from 1989-90 was Radio and Nuclear therapy, which fell by 13.3 per cent. The cost of services processed by Medicare amounted to over \$1 billion, an increase of 11.9 per cent over the previous year.

TABLE 4.12 MEDICARE: NUMBER (a) AND COST (b) OF SERVICES PROCESSED AND ANNUAL PERCENTAGE CHANGE BY TYPE OF SERVICE, VICTORIA, 1990-91

| Broad type of service | Services | | Cost (a) | |
|---------------------------|-------------------|-------------------|------------------|-------------------|
| | Number | Percentage change | \$'000 | Percentage change |
| GP attendances | 20,535,027 | 0.9 | 392,996 | 9.0 |
| Specialist attendances | 3,904,034 | 5.7 | 172,101 | 10.5 |
| Obstetrics | 147,172 | 6.8 | 16,667 | 21.8 |
| Anaesthetics | 427,121 | 8.6 | 24,155 | 13.7 |
| Pathology | 5,831,436 | -3.5 | 134,677 | 13.4 |
| Diagnostic imaging | 1,926,947 | 7.4 | 122,327 | 16.0 |
| Operations | 987,419 | 8.5 | 101,711 | 12.9 |
| Assistance at operations | 58,244 | 7.8 | 4,715 | 15.1 |
| Optometry | 629,163 | 6.4 | 22,823 | 11.7 |
| Radio and Nuclear therapy | 66,498 | -13.3 | 3,257 | 8.9 |
| Miscellaneous | 665,098 | 10.4 | 24,104 | 34.8 |
| Total | 35,178,159 | 1.5 | 1,019,503 | 11.9 |

(a) Number does not include services provided by hospital doctors to public patients in public hospitals, services related to a compensation claim, or services which qualify for Benefits under the Department of Veterans' Affairs National Treatment account.

(b) The amounts shown in the 'cost' column represents only a portion of the total cost of the medical services paid for from the funds of the Health Insurance Commission and do not take into account the portion paid by the patient or the patient's insurance fund.

Note: There has been a regrouping of item numbers in broad types of services and figures are not comparable with previous years.

Source: Health Insurance Commission Annual Report 1990-91.

TABLE 4.13 NOTIFIABLE DISEASES (a), NUMBER OF CASES NOTIFIED, VICTORIA

| <i>Disease</i> | <i>1985</i> | <i>1988</i> | <i>1989</i> | <i>1990(b)</i> |
|--|-------------|-------------|-------------|----------------|
| Acquired immune deficiency syndrome (AIDS) | 11 | 107 | 123 | 105 |
| Amoebiasis | 52 | 6 | 4 | 6 |
| Arbovirus infection | 5 | 150 | 77 | 95 |
| Brucellosis | 1 | - | - | - |
| Cholera | 1 | - | - | - |
| Diphtheria | - | - | - | - |
| Gonorrhoea | 1,274 | 561 | 536 | 402 |
| Hepatitis A (infectious) | 72 | 65 | 14 | 41 |
| Hepatitis B (serum) | 151 | 185 | 149 | 584 |
| Hydatid disease | - | 1 | 1 | - |
| Leprosy | 6 | - | 5 | 7 |
| Leptospirosis | 34 | 25 | 22 | 47 |
| Malaria | 99 | 65 | 65 | 89 |
| Ornithosis | 5 | 5 | 3 | 9 |
| Q. Fever | 2 | 1 | 6 | 18 |
| Salmonella infections | 158 | 179 | 218 | 487 |
| Shigella infections | 30 | 16 | 29 | 64 |
| Syphilis | 105 | 65 | 33 | 36 |
| Tetanus | 1 | - | 2 | 2 |
| Tuberculosis (all forms) | 293 | 307 | 369 | 353 |
| Typhoid fever | 9 | 8 | 24 | 22 |
| Typhus (all forms) | 2 | 1 | 1 | - |

(a) There were no cases of ankylostomiasis, anthrax, plague, poliomyelitis, smallpox, or yellow fever.

(b) The infectious diseases notification system was upgraded in 1990 to include laboratory notifications in addition to clinical notifications.

Hospitals

There were 282 approved hospitals in Victoria at 30 June 1990, excluding the repatriation hospitals of Macleod and Heidelberg. Though the number of recognised public hospitals decreased from 164 in 1987 to 154 in 1990, the reduction resulted mostly from amalgamations rather than actual closures. There were 14,891 beds in public hospitals at 30 June 1989. There were 116 private hospitals at 30 June 1990. Available beds in private hospitals increased from 6,196 in 1987 to 6,265 in 1990.

TABLE 4.14 PUBLIC HOSPITAL SEPARATIONS BY AGE GROUP AND SEX OF INPATIENTS, VICTORIA, 1989-90

| <i>Age group (years)</i> | <i>Males</i> | <i>Females</i> | <i>Persons</i> |
|--------------------------|----------------|----------------|----------------|
| Under 1 year | 14,113 | 10,115 | 24,228 |
| 1-4 | 16,406 | 10,582 | 26,988 |
| 5-14 | 20,381 | 14,587 | 34,968 |
| 15-24 | 24,332 | 49,767 | 74,099 |
| 25-34 | 26,093 | 82,507 | 108,600 |
| 35-44 | 26,359 | 41,033 | 67,392 |
| 45-54 | 26,772 | 28,639 | 55,411 |
| 55-64 | 38,770 | 31,380 | 70,150 |
| 65-74 | 49,260 | 39,640 | 88,900 |
| 75 and over | 37,281 | 47,164 | 84,445 |
| Not stated | 140 | 322 | 462 |
| Total | 279,907 | 355,736 | 635,643 |

TABLE 4.15 PUBLIC HOSPITAL SEPARATIONS: PRINCIPAL DIAGNOSES BY NUMBER OF SEPARATIONS, AVERAGE STAY, AND SEX, VICTORIA, 1989-90

| <i>International Classification of Diseases (ICD) class</i> | <i>Principal diagnosis</i> | <i>Number of separations</i> | | | <i>Average stay (days)</i> | | |
|---|--|------------------------------|----------------|----------------|----------------------------|----------------|----------------|
| | | <i>Males</i> | <i>Females</i> | <i>Persons</i> | <i>Males</i> | <i>Females</i> | <i>Persons</i> |
| 1 | Infectious and parasitic diseases | 8,849 | 4,850 | 13,699 | 3.6 | 4.8 | 4.0 |
| 2 | Neoplasms | 23,982 | 26,605 | 50,587 | 7.1 | 6.3 | 6.7 |
| 3 | Endocrine, nutritional and metabolic diseases, and immunity disorders | 4,265 | 5,321 | 9,586 | 8.3 | 8.2 | 8.2 |
| 4 | Diseases of the blood and blood-forming organs | 4,496 | 4,329 | 8,825 | 2.2 | 3.1 | 2.7 |
| 5 | Mental disorders | 5,970 | 7,235 | 13,205 | 10.0 | 12.7 | 11.5 |
| 6 | Diseases of the nervous system and sense organs | 14,096 | 14,941 | 29,037 | 5.2 | 5.3 | 5.3 |
| 7 | Diseases of the circulatory system | 31,401 | 24,402 | 55,803 | 9.3 | 10.5 | 9.8 |
| 8 | Diseases of the respiratory system | 25,692 | 20,289 | 45,981 | 5.3 | 5.8 | 5.5 |
| 9 | Diseases of the digestive system | 32,513 | 30,666 | 63,179 | 4.2 | 4.6 | 4.4 |
| 10 | Diseases of the genito-urinary system | 15,507 | 36,950 | 52,457 | 4.6 | 3.0 | 3.4 |
| 11 | Complications of pregnancy, childbirth, and the puerperium | - | 79,593 | 79,593 | - | 4.7 | 4.7 |
| 12 | Diseases of the skin and subcutaneous tissue | 6,116 | 5,577 | 11,693 | 5.8 | 7.5 | 6.6 |
| 13 | Diseases of the musculoskeletal system and connective tissue | 11,802 | 13,624 | 25,426 | 6.6 | 8.3 | 7.5 |
| 14 | Congenital anomalies | 3,805 | 2,592 | 6,397 | 5.6 | 5.1 | 5.4 |
| 15 | Certain conditions originating in the perinatal period | 5,337 | 4,288 | 9,625 | 8.4 | 8.8 | 8.6 |
| 16 | Signs, symptoms, and ill-defined conditions | 14,257 | 16,035 | 30,292 | 3.7 | 3.7 | 3.7 |
| 17 | Injury and poisoning | 31,711 | 22,323 | 54,034 | 5.8 | 8.3 | 6.8 |
| V01-V82 | Supplementary classification of factors influencing health status and contact with health services | 38,646 | 34,948 | 73,594 | 3.2 | 5.8 | 4.4 |
| | Total reported principal diagnoses | 278,445 | 354,568 | 633,013 | 5.6 | 5.8 | 5.7 |
| | Total unreported principal diagnoses | 1,462 | 1,168 | 2,630 | 10.8 | 13.8 | 12.1 |
| | Grand total | 279,907 | 355,736 | 635,643 | 5.6 | 5.8 | 5.7 |

(a) The classes selected in this table are in accordance with the Morbidity List of the Ninth International Classification of Diseases (ICD9).

TABLE 4.16 PUBLIC HOSPITAL SEPARATIONS BY AGE GROUP AND LENGTH OF STAY, VICTORIA, 1989-90

| Age group (years) | Length of stay | | | | | Total |
|----------------------|----------------|------------------------------|--------------------------------|----------------------------------|----------------------|----------------|
| | Under 1 day | 1 day and under 1 week | 1 week and under 1 month | 1 month and under 3 months | 3 months and over | |
| Under 1 year | 3,254 | 15,181 | 5,027 | 683 | 83 | 24,228 |
| 1-4 | 7,008 | 18,378 | 1,534 | 61 | 7 | 26,988 |
| 5-14 | 9,140 | 23,282 | 2,347 | 187 | 12 | 34,968 |
| 15-24 | 18,955 | 44,992 | 9,473 | 610 | 69 | 74,099 |
| 25-34 | 29,148 | 59,254 | 19,384 | 751 | 63 | 108,600 |
| 35-44 | 24,826 | 30,719 | 11,072 | 703 | 72 | 67,392 |
| 45-54 | 21,964 | 22,308 | 10,266 | 766 | 107 | 55,411 |
| 55-64 | 23,869 | 27,561 | 16,852 | 1,656 | 212 | 70,150 |
| 65-74 | 24,720 | 33,197 | 27,025 | 3,517 | 441 | 88,900 |
| 75 and over | 11,482 | 31,363 | 33,488 | 7,159 | 953 | 84,445 |
| Not stated | 142 | 193 | 118 | 8 | 1 | 462 |
| Total | 174,508 | 306,428 | 136,586 | 16,101 | 2,020 | 635,643 |

Causes of death

There were 30,986 registered deaths of Victorians during 1990. General demographic statistics (including deaths) are included in Chapter 2 of this *Year Book*.

Diseases of the circulatory system accounted for 43.6 per cent of all deaths. Of these diseases, ischaemic heart disease was the most prevalent. Ischaemic heart disease accounted for a slightly higher proportion of male deaths than female deaths (25.7 and 23.9 per cent, respectively). During the period 1989 to 1990, the proportion of deaths from diseases of the circulatory system decreased from 44.1 per cent to 43.6 per cent of all deaths.

Malignant neoplasms caused 26.5 per cent of all deaths in 1990, comprising 28.0 per cent of male deaths and 24.7 per cent of female deaths. Of the 4,576 male deaths from this cause, 1,313 (28.7 per cent) were from neoplasms of the trachea, bronchus, and lung, which were the most frequent sites of neoplasms in males. The most frequent site of neoplasms in females was the breast, which comprised 711 (19.6 per cent) of the 3,628 female deaths from malignant neoplasms. Other common sites of neoplasms in females were the colon which comprised 446 deaths (12.3 per cent) and the trachea, bronchus, and lung which comprised 438 deaths (12.0 per cent).

For children aged 1 to 14 years, 28.4 per cent of deaths in this age group resulted from accidents (excluding motor vehicle accidents). Motor vehicle accidents were the main cause of death in the 15 to 24 year age group, representing 37.0 per cent of the deaths for this group.

TABLE 4.17 MAIN CAUSES OF DEATH IN AGE GROUPS, VICTORIA, 1990

| Cause of death | Deaths from specified cause | | |
|---|-----------------------------|--------------|-------------|
| | In age group | | At all ages |
| | Number | Per cent (a) | Number |
| Under 1 year | | | |
| Congenital anomalies (740-759) | 138 | 26.4 | 206 |
| Signs, symptoms, and ill-defined conditions (780-799) | 104 | 19.9 | 158 |
| Birth trauma, and other conditions originating in the perinatal period (760-767, 771-779) | 242 | 46.3 | 244 |
| 1-14 years | | | |
| Other external accidents (excluding motor vehicle accidents and suicide (800-807, 820-949, 960-999) | 61 | 28.4 | 817 |
| Motor vehicle traffic accidents (810-819) | 48 | 22.3 | 623 |
| Malignant neoplasms (140-208) | 38 | 17.7 | 8,204 |
| Diseases of the nervous system (320-389) | 17 | 7.9 | 667 |
| 15-24 years | | | |
| Motor vehicle traffic accidents (810-819) | 194 | 37.0 | 623 |
| Other external accidents (excluding motor vehicle accidents and suicides) (800-807, 820-949, 960-999) | 84 | 16.0 | 817 |
| Suicide and self-inflicted injury (950-959) | 104 | 19.8 | 499 |
| Malignant neoplasms (140-208) | 31 | 5.9 | 8,204 |
| 25-44 years | | | |
| Malignant neoplasms (140-208) | 382 | 25.6 | 8,204 |
| Suicide and self-inflicted injury (950-959) | 216 | 14.5 | 499 |
| Other external accidents (excluding motor vehicle accidents and suicides) (800-807, 820-949, 960-999) | 195 | 13.1 | 817 |
| Motor vehicle traffic accidents (810-819) | 172 | 11.5 | 623 |
| 45-54 years | | | |
| Malignant neoplasms (140-208) | 644 | 46.0 | 8,204 |
| Ischaemic heart disease (410-414) | 247 | 17.6 | 7,704 |
| Cerebrovascular disease (430-438) | 61 | 4.4 | 2,903 |
| Chronic liver disease and cirrhosis (571) | 43 | 3.1 | 264 |
| 55-64 years | | | |
| Malignant neoplasms (140-208) | 1,517 | 42.4 | 8,204 |
| Ischaemic heart disease (410-414) | 861 | 24.1 | 7,704 |
| Diseases of the respiratory system (460-519) | 205 | 5.7 | 2,284 |
| Cerebrovascular disease (430-438) | 176 | 4.9 | 2,903 |
| 65-74 years | | | |
| Malignant neoplasms (140-208) | 2,498 | 35.0 | 8,204 |
| Ischaemic heart disease (410-414) | 1,964 | 27.5 | 7,704 |
| Diseases of the respiratory system (460-519) | 612 | 8.6 | 2,284 |
| Cerebrovascular disease (430-438) | 506 | 7.1 | 2,903 |
| 75 years and over | | | |
| Ischaemic heart disease (410-414) | 4,520 | 28.0 | 7,704 |
| Malignant neoplasms (140-208) | 3,093 | 19.2 | 8,204 |
| Cerebrovascular disease (430-438) | 2,118 | 13.1 | 2,903 |
| Diseases of the respiratory system (460-519) | 1,365 | 8.5 | 2,284 |

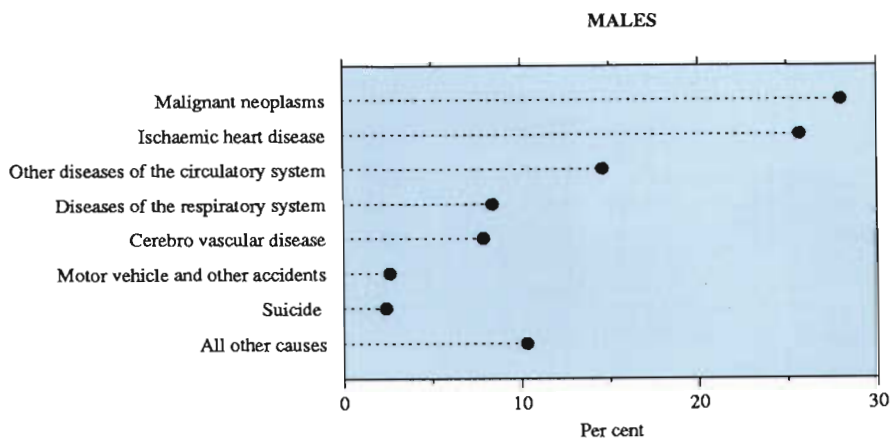
(a) Deaths in this age group from the stated cause expressed as a percentage of all deaths in the age group.

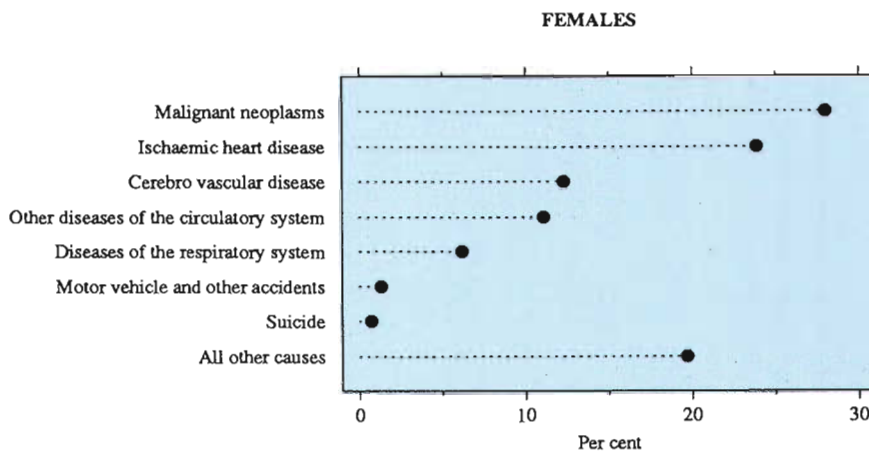
TABLE 4.18 CAUSES OF DEATH: NUMBERS AND RATES, VICTORIA, 1990

| <i>Cause of death (a)</i> | <i>Number of deaths</i> | <i>Proportion of total</i> | <i>Rate per 1,000,000 of mean population</i> |
|---|-------------------------|----------------------------|--|
| Infectious and parasitic diseases (001-139) | 159 | 0.5 | 36 |
| Neoplasms (140-239) | 8,297 | 26.8 | 1,894 |
| Endocrine, nutritional and metabolic diseases, and immunity disorders (240-279) | 1,039 | 3.4 | 237 |
| Diseases of the blood and blood-forming organs (280-289) | 116 | 0.4 | 27 |
| Mental disorders (290-319) | 622 | 2.0 | 142 |
| Diseases of the nervous system and sense organs (320-389) | 667 | 2.2 | 152 |
| Diseases of the circulatory system (390-459) | 13,520 | 43.6 | 3,087 |
| Diseases of the respiratory system (460-519) | 2,284 | 7.4 | 521 |
| Diseases of the digestive system (520-579) | 1,056 | 3.4 | 241 |
| Diseases of the genito-urinary system (580-629) | 469 | 1.5 | 107 |
| Complications of pregnancy, childbirth, and the puerperium (630-676) | 6 | - | 1 |
| Diseases of the skin and subcutaneous tissue (680-709) | 14 | 0.1 | 3 |
| Diseases of the musculoskeletal system and connective tissue (710-739) | 190 | 0.6 | 43 |
| Congenital anomalies (740-759) | 206 | 0.7 | 47 |
| Certain conditions originating in the perinatal period (760-779) | 244 | 0.8 | 56 |
| Signs, symptoms, and ill-defined conditions (780-799) | 158 | 0.5 | 36 |
| Accidents, poisonings, and violence (external causes) (800-999) | 1,939 | 6.3 | 443 |
| Total | 30,986 | 100.0 | 7,075 |

(a) The classification used is the International Classification of Diseases, Ninth Revision (ICD-9), aggregated at the class level.

ALL DEATHS: PERCENTAGE DISTRIBUTION BY GENDER BY CAUSE, VICTORIA, 1990





SOCIAL WELFARE

Overview

Income support for individuals is primarily provided by the Commonwealth Government through a range of pensions and benefits. At 30 June 1990 there were 345,161 age pensioners, 77,199 invalid pensioners, and 19,441 widow pensioners in Victoria.

Unemployment, sickness, and special benefits are provided for people temporarily unable to support themselves. During 1989-90 there were 101,602 people who received these benefits, an 18.5 per cent increase in the number of beneficiaries over the previous year. The number of people receiving unemployment benefits increased by over 22 per cent, to 78,429 at 30 June 1990. This increase in unemployment recipients has reversed the downward trend evident since 1984-85, brought about by changes in economic circumstances and Social Security procedures.

The number of people receiving sickness and special benefits increased slightly during the 12 months to 30 June 1990, continuing an increasing trend for these benefit categories in the number of recipients since the 1984-85 financial year.

TABLE 4.19 SOCIAL WELFARE PROGRAMS, VICTORIA

| Program | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>Age pensions -</i> | | | | | | |
| Number of pensioners (a) | 352,989 | 349,667 | 347,606 | 344,675 | 344,523 | 345,161 |
| Wives/spouse carers of age pensioners | 6,144 | 6,356 | 6,459 | 6,276 | 6,418 | 6,695 |
| Amount paid (\$'000) (b) | 1,461,326 | 1,516,860 | 1,599,909 | 1,781,473 | 1,914,592 | 2,078,081 |
| <i>Invalid pensions -</i> | | | | | | |
| Number of pensioners (a) | 72,277 | 75,954 | 79,232 | 77,051 | 77,263 | 77,199 |
| Wives/spouse carers of invalid pensioners | 22,751 | 24,609 | 26,086 | 24,334 | 23,601 | 23,009 |
| Amount paid (\$'000) (b) | 398,918 | 449,686 | 503,239 | 561,961 | 598,786 | 641,729 |
| <i>Widow's pensions (j) -</i> | | | | | | |
| Number of pensioners (a) | 44,219 | 42,308 | 40,410 | 36,226 | 20,790 | 19,441 |
| Amount paid (\$'000) (c) | 243,076 | 248,585 | 250,051 | 255,417 | n.a. | 136,533 |

TABLE 4.19 SOCIAL WELFARE PROGRAMS, VICTORIA - *continued*

| <i>Program</i> | <i>1984-85</i> | <i>1985-86</i> | <i>1986-87</i> | <i>1987-88</i> | <i>1988-89</i> | <i>1989-90</i> |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| <i>Funeral benefits (d) -</i> | | | | | | |
| Number of claims granted | 12,202 | 12,608 | 11,871 | 11,800 | 11,024 | 7,200 |
| Amount paid (\$'000) | 381 | 377 | 360 | 357 | 341 | 222 |
| <i>Unemployment benefits -</i> | | | | | | |
| Number of beneficiaries (a) | 106,807 | 102,155 | 93,499 | 81,227 | 63,992 | 78,429 |
| Amount paid (\$'000) (e) | 584,026 | 569,611 | 602,980 | 563,358 | 529,467 | 514,873 |
| <i>Sickness benefits -</i> | | | | | | |
| Number of beneficiaries (a) | 13,850 | 13,884 | 14,250 | 15,013 | 16,299 | 16,993 |
| Amount paid (\$'000) (f) | 84,035 | 87,420 | 93,945 | 110,892 | 121,838 | 139,799 |
| <i>Special benefits -</i> | | | | | | |
| Number of beneficiaries (a) | 3,929 | 3,894 | 4,199 | 4,953 | 5,419 | 6,180 |
| Amount paid (\$'000) (g) | 22,066 | 23,281 | 26,985 | 34,083 | 39,614 | 47,491 |
| <i>Sole parent's benefits (h)-</i> | | | | | | |
| Number of beneficiaries (a) | 31,468 | 33,224 | 34,081 | 36,045 | | |
| Amount paid (\$'000) | 197,134 | 228,904 | 253,515 | 291,613 | n.a. | n.a. |
| <i>Supporting parent's benefits (h)-</i> | | | | | | |
| Number of beneficiaries (a) | .. | .. | .. | .. | 50,778 | 52,637 |
| Amount paid (\$'000) | .. | .. | .. | .. | n.a. | 486,830 |
| <i>Family allowance</i> | | | | | | |
| Number of families | 575,226 | 557,753 | 548,033 | 495,569 | 487,941 | 477,434 |
| <i>Number of children and students in -</i> | | | | | | |
| Families | 1,138,718 | 1,084,467 | 1,055,413 | 966,737 | 952,044 | 926,837 |
| Institutions | 1,880 | 1,518 | 1,325 | 1,249 | n.a. | n.a. |
| Total amount paid (\$'000) | 398,679 | 401,380 | 355,773 | 345,688 | 331,968 | 454,076 |
| <i>Child disability allowance -</i> | | | | | | |
| Number of children (a) | 7,678 | 7,643 | 7,550 | 7,989 | 8,640 | 9,385 |
| Amount paid (\$'000) | 7,304 | 7,836 | 7,226 | 12,490 | 11,735 | 14,217 |
| <i>Family Income Supplement (i) -</i> | | | | | | |
| Number of families (a) | 6,157 | 6,598 | 6,872 | .. | .. | .. |
| Number of children (a) | 17,888 | 19,146 | 20,158 | .. | .. | .. |
| Amount paid (\$'000) | 9,398 | 11,918 | 13,612 | .. | .. | .. |
| <i>Family Allowance Supplement (k) -</i> | | | | | | |
| Number of families (a) | .. | .. | .. | 29,754 | 35,310 | 37,887 |
| Number of children (a) | .. | .. | .. | 75,635 | 88,834 | 93,586 |
| Amount paid (\$'000) | .. | .. | .. | 43,715 | 85,536 | 108,422 |

(a) As at year ended 30 June.

(b) Amount comprises payment for pensioners, and pensioners in benevolent homes, pensions for wives and spouse carers, additional pension/allowance for children, and supplementary assistance.

(c) Amount comprises payment for pensioners, and pensioners in benevolent homes, additional pension/allowance for children, and supplementary assistance. See also (f) and (h).

(d) Funeral benefit ceased on 31 December 1989 to be replaced by bereavement allowance.

(e) Amount comprises payment for beneficiaries, and additional benefit for children.

(f) Amount comprises payment for beneficiaries, additional benefit for children, and supplementary allowance.

(g) As for (f), but excludes special benefits to migrants in accommodation centres.

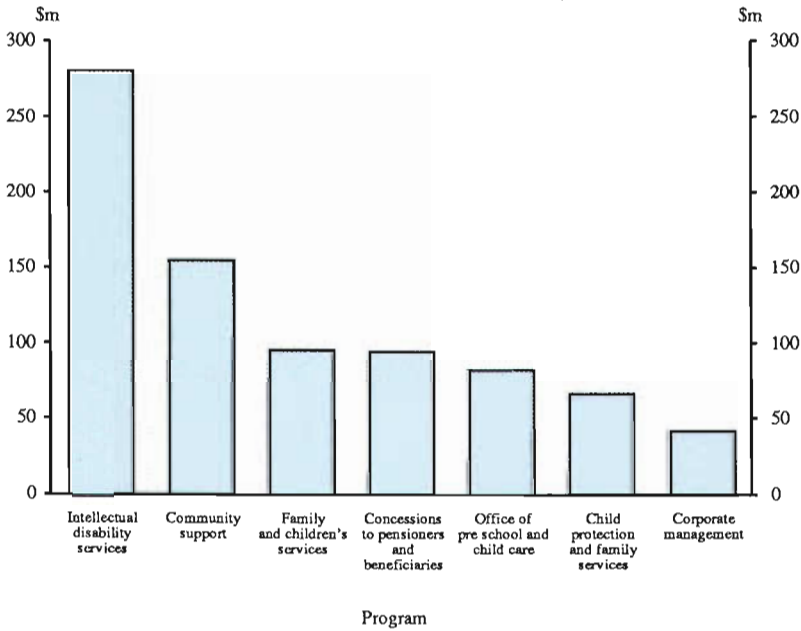
(h) Sole parents pension replaced the Class A widows pension and the supporting parents pension in March 1989.

(i) Introduced on 1 May 1983.

(j) Includes widowed persons allowance (replaced Class C widows pension in March 1989).

(k) Replaced family income supplement in 1987-88.

TOTAL OUTLAY ON COMMUNITY SERVICES PROGRAMS BY THE DEPARTMENT OF COMMUNITY SERVICES, VICTORIA, 1990-91



War Veterans

Of the \$1,061 million spent in Victoria on Veterans or the dependants of Veterans during the 1989-90 financial year, pensions accounted for \$799 million. There were 51,802 Veterans and 38,259 wives, widows or dependants of Veterans who received a Service Pension during 1989-90, while 85,468 received Disability Pensions. Approximately \$262 million was spent on the provision of health services for the 86,967 Veterans who received treatment during the 12 month period.

TABLE 4.20 NUMBER OF VETERANS AND DEPENDANTS BY TYPE OF PENSION, VICTORIA, 30 JUNE 1990

| Pension type | World War 1 | World War 2 (a) | Korea, Malaysia | Special Overseas Service | British Commonwealth Service | | Australian and British Marines | Total (b) |
|--------------|-------------|-----------------|-----------------|--------------------------|------------------------------|-------|--------------------------------|-----------|
| | | | | | Allied Forces | | | |
| Service | 474 | 74,900 | 1,051 | 393 | 10,512 | 1,995 | 736 | 90,061 |
| Disability | 3,348 | 74,366 | 1,161 | 4,476 | - | - | - | 85,468 |

(a) Includes Merchant Navy personnel.

(b) Disability pension total includes 2,117 members of peace-time forces

TABLE 4.21 COMMUNITY SERVICES VICTORIA, SELECTED CLIENT SUMMARY STATISTICS

| <i>Particulars</i> | <i>1988-89</i> | <i>1989-90</i> | <i>1990-91</i> | <i>Percentage change 1989-90 to 1990-91</i> |
|--|----------------|----------------|----------------|---|
| | (Number) | | | |
| <i>Foster care -</i> | | | | |
| Children in emergency foster care | 25 | 35 | 26 | -25.7 |
| Children in reception foster care | 103 | 91 | 105 | 15.4 |
| Children in short-term and long-term foster care | 570 | 589 | 550 | -6.6 |
| Children in extended family placement | 136 | 178 | 207 | 16.3 |
| Children in pre-adoptive foster care | 11 | 20 | 14 | -30.0 |
| Children in other foster care | 40 | 130 | 360 | 176.9 |
| All children in foster care | 1,327 | 1,501 | 1,727 | 15.1 |
| <i>Reception centres -</i> | | | | |
| <i>Young people in -</i> | | | | |
| Central reception facilities | 104 | 39 | 24 | -38.5 |
| Regional reception facilities | 39 | 60 | 82 | 36.7 |
| <i>Children subject to protective intervention -</i> | | | | |
| As at 30 June | 258 | 237 | 337 | 42.2 |
| <i>Court orders -</i> | | | | |
| Supervision orders | 1,295 | 1,475 | 1,345 | -8.8 |
| Guardianship | 2,634 | 2,522 | 2,267 | -10.1 |
| New admissions | 688 | 557 | 419 | -24.8 |
| Discharges | 649 | 601 | 562 | -6.5 |

HOUSING

The Housing Survey conducted in 1988 revealed that 45 per cent of householders in Victoria owned their homes, and another 33 per cent were in the process of purchasing them. One in five households was renting the dwelling it occupied, mostly on the private market. Although young families with dependent children were least likely to own their home outright, married couples with dependent children were much more likely to be living in a dwelling that they either owned or were purchasing (83 per cent) than were equivalent one parent families (51 per cent). One parent families also spent a higher proportion of their average weekly income on housing costs (22 per cent) than did married couple families (12 per cent) or people living alone (15 per cent). One parent families renting privately were the most severely affected; 38 per cent of their average weekly income was spent on housing.

In 1988, Victorian households which rented a dwelling paid an average of \$74 per week in housing costs, while those purchasing a dwelling paid an average of \$125 in mortgage loan repayments. Costs were higher in urban Melbourne than in rural areas, particularly for those renting privately (\$91 per week compared with \$73). For those purchasing their home, average weekly mortgage repayments were more than twice as high for those who purchased their dwelling after the deregulation of home-loan interest rates (\$144 per week compared with \$67 for those who began purchasing prior to 1983). Almost two-thirds of householders who purchased their dwelling between 1983 and 1988 were aged between 25 and 44 years.

TABLE 4.22 ALL HOUSEHOLDS (a): HOUSEHOLD COMPOSITION BY NATURE OF OCCUPANCY, VICTORIA, FEBRUARY TO MAY 1988

| Household composition | Nature of occupancy | | | | | | | Living rent free | Total (b) |
|--|---------------------|--------------|----------------------------|--------------|-------------|--------------|-------------|------------------|-----------|
| | Owners | Purchasers | Renters - type of landlord | | | Total | | | |
| | | | Government | Private | Other | | | | |
| | ('000) | | | | | | | | |
| Married couple | 201.1 | 95.0 | 4.8 | 35.6 | 1.7 | 42.1 | 4.6 | 342.9 | |
| Married couple with dependent children | 117.2 | 208.7 | 7.9 | 44.8 | 7.1 | 59.8 | 6.9 | 392.6 | |
| Married couple with dependent and non-dependent children | 45.0 | 30.8 | 1.0 | 2.6 | 0.9 | 4.5 | 0.7 | 81.0 | |
| Married couple with non-dependent children only | 70.8 | 28.0 | 0.6 | 5.0 | 0.7 | 6.3 | 0.7 | 105.7 | |
| Single parent with dependent children only | 8.3 | 17.3 | 9.1 | 14.1 | 0.6 | 23.8 | 0.9 | 50.4 | |
| Single parent with dependent and non-dependent children | 5.1 | 1.9 | 1.3 | 1.6 | 0.3 | 3.2 | 0.3 | 10.5 | |
| Single person | 133.0 | 45.1 | 16.1 | 62.4 | 2.9 | 81.4 | 12.5 | 272.0 | |
| Other (c) | 71.4 | 41.1 | 7.4 | 55.6 | 2.0 | 65.0 | 3.2 | 180.7 | |
| Total | 651.8 | 467.9 | 48.3 | 221.6 | 16.3 | 286.2 | 29.8 | 1,435.7 | |
| | PER CENT | | | | | | | | |
| Married couple | 58.6 | 27.7 | 1.4 | 1.0 | 0.5 | 12.3 | 1.3 | 100.0 | |
| Married couple with dependent children only | 29.9 | 53.2 | 2.0 | 11.4 | 1.8 | 15.2 | 1.8 | 100.0 | |
| Married couple with dependent and non-dependent children | 55.6 | 38.0 | 1.2 | 3.2 | 1.1 | 5.6 | 0.9 | 100.0 | |
| Married couple with non-dependent children only | 67.0 | 26.5 | 0.6 | 4.7 | 0.7 | 6.0 | 0.7 | 100.0 | |
| Single parent with dependent children only | 16.5 | 34.3 | 18.1 | 28.0 | 1.2 | 47.2 | 1.8 | 100.0 | |
| Single parent with dependents and non-dependent children | 48.6 | 18.1 | 12.4 | 15.2 | 2.9 | 30.5 | 2.9 | 100.0 | |
| Single person | 48.9 | 16.6 | 5.9 | 22.9 | 1.1 | 29.9 | 4.6 | 100.0 | |
| Other (c) | 39.5 | 22.7 | 4.1 | 30.8 | 1.1 | 36.0 | 1.8 | 100.0 | |
| Total | 45.4 | 32.6 | 3.4 | 15.4 | 1.1 | 19.9 | 2.1 | 100.0 | |

(a) Excludes households where type of dwelling is a converted garage, caravan, houseboat, an improvised dwelling or a combined dwelling/non-dwelling.

(b) Excludes 5,200 households renting/boarding with a usual occupant who was not resident for the full period of the survey.

(c) Includes multi-family households, related adult households and group households, as well as married couple and single parent households not defined above.

TABLE 4.23 INCOME UNITS: MEAN WEEKLY HOUSING COSTS IN DOLLARS AND AS A PERCENTAGE OF MEAN WEEKLY INCOME BY NATURE OF OCCUPANCY, VICTORIA, FEBRUARY TO MAY 1988

| <i>Nature of occupancy</i> | <i>Income Unit</i> | | |
|------------------------------|-----------------------|-------------------|-------------------|
| | <i>Married couple</i> | <i>One parent</i> | <i>One person</i> |
| Owners (\$) | 16 | 17 | 12 |
| Per cent of income | 3.0 | 5.2 | 4.9 |
| Purchasers (\$) | 129 | 107 | 113 |
| Per cent of income | 18.8 | 26.8 | 25.1 |
| Renters : type of landlord - | | | |
| Government (\$) | 63 | 44 | 35 |
| Per cent of income | 17.1 | 20.5 | 24.7 |
| Private (\$) | 111 | 110 | 67 |
| Per cent of income | 19.4 | 37.8 | 19.3 |
| Other (\$) | 58 | 48 | 46 |
| Per cent of income | 10.6 | 18.0 | 15.9 |
| Total (a) (\$) | 70 | 68 | 45 |
| Per cent of income | 11.8 | 22.2 | 15.2 |

(a) Includes those persons living rent-free.

TABLE 4.24 INCOME UNITS OWNING, PURCHASING OR RENTING THEIR DWELLING (a): NUMBER OF INCOME UNITS AND MEAN WEEKLY HOUSING COSTS BY STATISTICAL REGION BY NATURE OF OCCUPANCY, VICTORIA, FEBRUARY TO MAY 1988

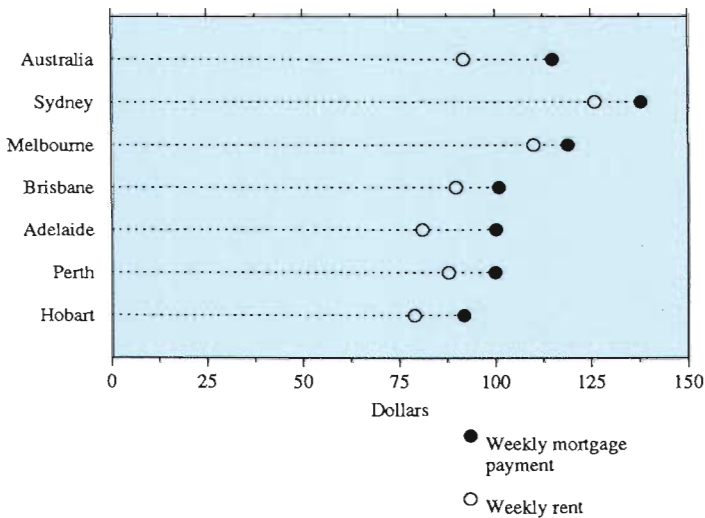
| <i>Statistical Region</i> | <i>Nature of occupancy</i> | | | | | | | | | |
|---------------------------|----------------------------|-----------|-------------------|------------|----------------|-----------|------------------|-----------|----------------|-----------|
| | <i>Owners</i> | | <i>Purchasers</i> | | <i>Renters</i> | | <i>Rent free</i> | | <i>Total</i> | |
| | ('000) | (\$) | ('000) | (\$) | ('000) | (\$) | ('000) | (\$) | ('000) | (\$) |
| Melbourne - | | | | | | | | | | |
| Inner | 32.2 | 17 | 13.0 | 160 | 69.9 | 75 | 5.6 | .. | 120.8 | 65 |
| Southern | 62.1 | 18 | 49.5 | 136 | 33.2 | 95 | 7.1 | .. | 151.8 | 73 |
| Inner Eastern | 76.8 | 18 | 42.2 | 137 | 38.3 | 83 | 7.6 | .. | 164.9 | 63 |
| North Eastern | 61.9 | 16 | 40.2 | 130 | 30.0 | 86 | 4.0 | .. | 136.1 | 65 |
| Western | 103.8 | 14 | 74.0 | 119 | 59.6 | 72 | 9.6 | .. | 247.2 | 59 |
| Mornington | | | | | | | | | | |
| Peninsula | 63.1 | 12 | 64.9 | 131 | 34.3 | 73 | 4.6 | .. | 166.9 | 70 |
| Outer Eastern | 52.0 | 14 | 68.5 | 128 | 19.9 | 96 | 6.1 | .. | 146.5 | 78 |
| Rest of Victoria - | | | | | | | | | | |
| South Western | 59.7 | 11 | 31.9 | 104 | 25.2 | 62 | 4.5 | .. | 121.4 | 46 |
| North Western | 44.2 | 18 | 21.5 | 100 | 22.7 | 43 | 5.6 | .. | 94.0 | 42 |
| Northern | 65.5 | 12 | 39.8 | 107 | 31.8 | 62 | 6.9 | .. | 144.0 | 49 |
| Eastern | 42.9 | 13 | 30.1 | 129 | 23.5 | 61 | 4.1 | .. | 100.6 | 59 |
| Total | 664.3 | 15 | 475.6 | 125 | 388.5 | 74 | 65.8 | .. | 1,594.2 | 62 |

(a) Excludes one person income units renting from, or living rent-free with, parents/relatives in the same household, but includes all other income units living rent-free.

TABLE 4.25 INCOME UNITS PURCHASING OR RENTING DWELLING: NUMBER AND MEAN WEEKLY MORTGAGE OR RENTAL PAYMENT BY INCOME UNIT TYPE, CAPITAL CITIES AND AUSTRALIA, FEBRUARY TO MAY 1988

| <i>Income Unit</i> | <i>Sydney</i> | <i>Melbourne</i> | <i>Brisbane</i> | <i>Adelaide</i> | <i>Perth</i> | <i>Hobart</i> | <i>Australia</i> |
|------------------------------|---------------|------------------|-----------------|-----------------|--------------|---------------|------------------|
| PURCHASING DWELLING | | | | | | | |
| Married couple ('000) | 290.8 | 265.4 | 108.3 | 87.2 | 102.5 | 15.2 | 1,297.8 |
| Weekly mortgage payment (\$) | 138 | 119 | 101 | 100 | 100 | 92 | 115 |
| (% of income) | 19.9 | 18.6 | 18.4 | 17.5 | 17.5 | 16.3 | 18.9 |
| One parent ('000) | 8.7 | 16.9 | 6.8 | 5.4 | 5.7 | 2.1 | 64.9 |
| Weekly mortgage payment (\$) | 104 | 98 | 84 | 70 | 72 | 57 | 88 |
| (% of income) | 28.9 | 27.9 | 30.0 | 22.5 | 24.3 | 20.9 | 28.1 |
| One person ('000) | 60.1 | 59.8 | 19.9 | 20.3 | 19.8 | 2.9 | 248.6 |
| Weekly mortgage payment (\$) | 112 | 102 | 86 | 83 | 94 | 83 | 99 |
| (% of income) | 25.1 | 24.0 | 22.9 | 22.5 | 25.1 | 23.9 | 24.9 |
| RENTING DWELLING | | | | | | | |
| Married couple ('000) | 155.8 | 88.7 | 52.5 | 45.2 | 34.8 | 7.5 | 688.2 |
| Weekly rent (\$) | 126 | 110 | 90 | 81 | 88 | 79 | 92 |
| (% of income) | 22.7 | 20.0 | 18.6 | 17.7 | 16.2 | 17.2 | 17.1 |
| One parent ('000) | 44.9 | 27.5 | 12.6 | 14.1 | 13.5 | 2.5 | 185.7 |
| Weekly rent (\$) | 73 | 81 | 77 | 64 | 60 | 59 | 67 |
| (% of income) | 33.3 | 28.7 | 32.8 | 25.8 | 25.3 | 24.5 | 28.4 |
| One person ('000) | 233.4 | 169.5 | 77.5 | 62.4 | 70.5 | 11.5 | 937.2 |
| Weekly rent (\$) | 77 | 63 | 57 | 50 | 57 | 45 | 60 |
| (% of income) | 22.8 | 19.3 | 19.3 | 19.7 | 19.9 | 20.9 | 19.6 |

MARRIED COUPLE FAMILIES: MEAN WEEKLY MORTGAGE PAYMENT AND RENTAL PAYMENT, CAPITAL CITIES AND AUSTRALIA, FEBRUARY TO MAY 1988



CRIME AND JUSTICE

Major crime

During 1989-90 there were 295,336 offences reported to the Victoria Police. The major reported offences were theft (42 per cent of all reported offences), burglary (30 per cent), fraud (14 per cent), and motor vehicle theft (11 per cent). There was a general decrease in the level of crime reported to the Police. The number of people proceeded against increased by 16 per cent to 63,499.

Prisoners and offenders

Following the opening of the Barwon Prison and the closing of Castlemaine Prison, there remained 14 prisons operating in Victoria at 30 June 1990. These prisons had a maximum capacity of 2,643 prisoners, a twelve per cent increase in capacity during the 12 month period.

Of the 2,316 prisoners in custody at 30 June 1990, less than 6 per cent were female. Seventy-two per cent of prisoners in custody had been in prison on previous occasions. The number of offenders on community based correction programs in Victoria increased during the 12 months by 75 to 5,264. Since 1987, the number of offenders on such programs has decreased by 15 per cent.

TABLE 4.26 SUMMARY OF MAJOR CRIME, VICTORIA

| Offence | Reported | | Offences cleared | | People proceeded against | |
|---------------------|----------------|---------------|------------------|---------------|--------------------------|---------------|
| | 1988-89 | 1987-88 | 1988-89 | 1987-88 | 1988-89 | 1989-90 |
| Homicide | 168 | 221 | 159 | 148 | 178 | 154 |
| Serious assault | 4,483 | 2,383 | 3,233 | 1,793 | 2,323 | 2,782 |
| Robbery | 1,818 | 537 | 759 | 355 | 742 | 999 |
| Rape | 564 | 296 | n.y.a. | 202 | 304 | 171 |
| Burglary | 88,527 | 11,038 | 14,740 | 5,670 | 13,667 | 16,029 |
| Theft | 118,954 | 26,012 | 30,624 | 17,547 | 23,305 | 26,794 |
| Motor vehicle theft | 35,574 | 4,681 | 6,864 | 3,092 | 5,793 | 8,034 |
| Fraud and deception | 64,667 | 25,326 | 39,840 | 2,802 | 8,365 | 8,536 |
| Total | 314,755 | 70,494 | 96,219 | 31,610 | 54,677 | 63,499 |

Source: Victoria Police Statistical Review 1988-89

TABLE 4.27 SENTENCED AND UNSENTENCED PRISONERS, VICTORIA

| Year | Prisoners in custody at 30 June - | | | | |
|------|-----------------------------------|----------|-------------|----------|-----------------|
| | Sentenced | | Unsentenced | | Total number |
| | number | per cent | number | per cent | |
| 1985 | 1,655 | 88.1 | 223 | 11.9 | 1,878 |
| 1986 | 1,749 | 89.5 | 206 | 10.5 | 1,955 |
| 1987 | 1,705 | 87.2 | 251 | 12.8 | 1,956 |
| 1988 | 1,820 | 88.2 | 244 | 11.8 | 2,064 |
| 1989 | 1,942 | 86.2 | 311 | 13.8 | 2,253 |
| 1990 | 1,954 | 84.4 | 362 | 15.6 | 2,316 |

Source: Annual National Prison Census, conducted by the Australian Institute of Criminology.

TABLE 4.28 PRISON CAPACITIES AND PRISONER NUMBERS, VICTORIA, 1990r

| <i>Prison</i> | <i>Maximum capacity at 30 June 1990</i> | <i>Daily average number of prisoners in custody during 1989-90</i> |
|-------------------------------|---|--|
| Ararat | 211 | 207 |
| Barwon | 250 | 65 |
| Beechworth | 117 | 114 |
| Bendigo | 85 | 84 |
| Castlemaine | .. | 94 |
| Dhurringile | 100 | 97 |
| Fairlea | 86 | 79 |
| Geelong | 144 | 139 |
| Melbourne Remand Centre | 226 | 206 |
| Metropolitan Reception Prison | 566 | 491 |
| Morwell River | 90 | 88 |
| Pentridge | 458 | 461 |
| Sale | 65 | 60 |
| Tarngower | 32 | 30 |
| Won Wron | 116 | 115 |
| Total | 2,643 | 2,330 |

Source: Victorian Office of Corrections

TABLE 4.29 PRISONERS IN CUSTODY BY AGE BY SEX AND PRIOR IMPRISONMENT (a), VICTORIA, 30 JUNE 1989

| <i>Prior imprisonment status</i> | <i>Age of Prisoners</i> | | | | | | | | <i>Total</i> |
|---|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|--------------|
| | <i>17-20</i> | <i>21-24</i> | <i>25-29</i> | <i>30-34</i> | <i>35-39</i> | <i>40-49</i> | <i>50-59</i> | <i>60 or over</i> | |
| <i>Prior imprisonment</i> | | | | | | | | | |
| Males | 119 | 307 | 398 | 311 | 186 | 171 | 38 | 11 | 1,541 |
| Females | 3 | 21 | 30 | 13 | 10 | 6 | 1 | 1 | 85 |
| Total | 122 | 328 | 428 | 324 | 196 | 177 | 39 | 12 | 1,626 |
| <i>No prior imprisonment</i> | | | | | | | | | |
| Males | 87 | 116 | 110 | 92 | 77 | 76 | 24 | 5 | 587 |
| Females | 1 | 12 | 13 | 5 | 5 | 5 | 1 | 1 | 43 |
| Total | 88 | 128 | 123 | 97 | 82 | 81 | 25 | 6 | 630 |
| Total | 210 | 456 | 551 | 421 | 278 | 258 | 64 | 18 | 2,256 |
| Percentage of age group with prior imprisonment | 58.1 | 71.9 | 77.7 | 77.0 | 70.5 | 68.6 | 60.9 | 66.7 | 72.1 |

(a) Prior imprisonment includes time spent on remand as well as time under sentence, but does not include terms of imprisonment in a Youth Training Centre.

TABLE 4.30 OFFENDERS ON COMMUNITY BASED CORRECTION PROGRAMS, VICTORIA

| Program | Offenders per program at 30 June (a) | | | | | |
|------------------------------|--------------------------------------|--------------|--------------|--------------|--------------|--------------|
| | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 |
| Community based orders (b) | - | - | 290 | 3,319 | 3,962 | 3,726 |
| Probation orders | 3,345 | 3,731 | 3,800 | 1,653 | 461 | 202 |
| Attendance centre orders | 302 | 391 | 555 | 4 | - | - |
| Community service orders (c) | 79 | 226 | 613 | 56 | - | - |
| Parole | 1,025 | 956 | 938 | 925 | 913 | 757 |
| Pre-release (d) | 199 | 258 | 238 | 180 | 174 | 117 |
| Total | 4,950 | 5,562 | 6,434 | 6,137 | 5,510 | 4,802 |

(a) It is possible for individual offenders to be on more than one program at the same time and therefore counted separately in each program type.

(b) Commenced on 1 June 1986. This new order replaced attendance Centre Orders, Community Service Orders and Probation Orders as a non-custodial sentencing option.

(c) Commenced in one region of the State only, in September 1982; available Statewide from 1 February 1985.

(d) Commenced 1 April 1984.

Source: Victorian Office of Corrections

REFERENCES

Data sources

The statistics in this chapter are mainly derived from a number of administrative by-product collections.

Statistics on primary and secondary education are from the National Schools Statistics Collection conducted annually. Higher education data are provided by the Commonwealth Department of Employment, Education and Training.

Data on hospitals and hospital morbidity are provided by the Victorian Health Department.

Cause of death statistics are compiled by the ABS from data made available from the Registrar of Births, Deaths and Marriages.

Social welfare data have been obtained from the Commonwealth Department of Social Security, Community Services Victoria, Commonwealth Department of Veterans Affairs, Australian Institute of Criminology, the Victorian Office of Corrections and Victoria Police.

ABS publications

Older People in Victoria (2501.2)

Causes of Death, Victoria (3302.2)

Causes of Death, Australia (3303.0)

Social Indicators, Australia (4101.0)

Social Indicators, Victoria (4101.2)

Youth in Victoria (4111.2)

Women, Victoria (4112.2)

Reasons for Completion and Non-Completion of Secondary Education, Australia (4214.0)

Tertiary Education, Australia (4218.0)

National Schools Statistics Collection, Australia (4221.0)

Schools, Victoria (4221.2)

Public Hospital Morbidity, Victoria (4301.2)

Health, Social Report Victoria (4302.2)

Provision of Welfare Services by Volunteers, Victoria (4401.2)

Domiciliary Support in Private Dwellings, Victoria (4402.2)

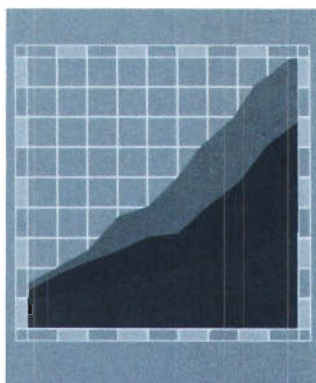
Court Proceedings Initiated by Police, Victoria (4501.2)

Crime Victims Survey, Victoria (4505.2)

Crime and Crime Prevention Survey, Victoria, July 1987, Preliminary (4507.2)

Victorian Social Survey: An Overview (4116.2)

5 Victoria: A Broad Economic Overview



INTRODUCTION

This Chapter contains a range of National and State Accounts and labour force statistics for the period 1984-85 to 1989-90. It presents a broad overview of the Victorian economy and provides a basis for comparison with the National economy. In addition, this Chapter serves as an introduction to Chapters 6 to 11, which deal with specific sectors of the Victorian economy.

General trends from 1984-85 to 1989-90

In general terms, the Victorian economy grew at a similar rate to the Australian economy during the period 1984-85 to 1989-90. During that period, Gross Domestic Product (GDP) at factor cost increased by 72.8 per cent for Victoria and by 72.4 per cent for Australia. The growth for the 1989-90 financial year was 9.8 per cent for Victoria and 9.4 per cent for Australia.

Household disposable income for Victoria grew by 63.3 per cent over the five year period, compared with 66.2 per cent for Australia. In 1989-90 the Victorian growth in household income was 11.8 per cent, compared with 11.6 per cent for Australia.

Trends in industries

Victoria's share of national economic activity did not vary greatly over the 1984-85 to 1989-90 period with GDP at factor cost fluctuating between 27.2 per cent in 1986-87 and 27.7 per cent in 1987-88. In 1989-90 the percentage share was 27.4 per cent.

Between 1984-85 and 1989-90, in terms of GDP at factor cost, Victoria's share of the national Finance, property and business services sector increased from 23.2 per cent to 27.6 per cent. Victoria's share also increased for Electricity, gas and water (from 29.3 to 31.7 per cent); Construction (from 24.3 to 26.3 per cent); Wholesale and retail trade (from 27.0 to 28.5 per cent) and Manufacturing (from 34.0 to 34.8 per cent). Agriculture, forestry, fishing and hunting increased from 19.8 per cent to 22.5 per cent over the period, while Transport, storage and communication rose from 23.4 per cent to 24.1 per cent.

Decreases in Victoria's share of national industry activity occurred in Mining (down from 30.1 to 19.3 per cent); Ownership of dwellings (from 27.7 to 25.3 per cent); and Recreation, personal and other services (from 25.1 to 21.8 per cent). General government gross operating surplus decreased by 1.0 per cent, from 24.3 per cent in 1984-85 to 23.3 per cent in 1989-90.

Within Victoria, in 1989-90 Manufacturing remained the most significant industry in terms of its contribution to the State's GDP at factor cost, with a share of 20.7 per cent, notwithstanding that its

contribution declined from 22.9 per cent in 1984-85. Wholesale and retail trade was the second most significant industry, having increased its contribution to Victoria's GDP from 13.7 per cent in 1984-85 to 15.5 per cent in 1989-90. Public administration, defence and community services ranked third, despite having declined from 16.4 per cent in 1984-85 to 15.3 per cent in 1989-90.

TABLE 5.1 AUSTRALIAN NATIONAL ACCOUNTS, VICTORIA IN RELATION TO AUSTRALIA

| | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|--|---------|---------|---------|---------|---------|---------|
| VICTORIA (\$m) | | | | | | |
| GDP at factor cost | 52,002 | 57,674 | 63,469 | 72,761 | 81,795 | 89,847 |
| Non farm GDP at market prices | 60,399 | 66,699 | 71,367 | 81,966 | 91,544 | 100,476 |
| Household disposable income | 37,977 | 42,011 | 46,244 | 50,675 | 55,493 | 62,020 |
| Farm income | 476 | 455 | 736 | 976 | 1,196 | 1,152 |
| Private final consumption | 33,993 | 38,225 | 42,291 | 46,512 | 50,852 | 55,709 |
| AUSTRALIA (\$m) | | | | | | |
| GDP at factor cost | 190,257 | 211,611 | 233,422 | 262,809 | 299,921 | 328,032 |
| Non farm GDP at market prices | 207,354 | 231,604 | 255,879 | 288,441 | 327,245 | 358,191 |
| Household disposable income | 140,035 | 155,224 | 168,835 | 187,003 | 208,581 | 232,680 |
| Farm income | 2,704 | 1,435 | 1,887 | 3,222 | 4,388 | 3,849 |
| Private final consumption | 128,265 | 143,828 | 157,612 | 175,746 | 194,847 | 216,530 |
| VICTORIA AS A PERCENTAGE OF AUSTRALIA | | | | | | |
| GDP at factor cost | 27.3 | 27.3 | 27.2 | 27.7 | 27.3 | 27.4 |
| Non farm GDP at market prices | 29.1 | 28.8 | 27.9 | 28.4 | 28.0 | 28.1 |
| Household disposable income | 27.1 | 27.1 | 27.4 | 27.1 | 26.6 | 26.7 |
| Farm income | 17.6 | 31.7 | 39.0 | 30.3 | 27.3 | 29.9 |
| Private final consumption | 26.5 | 26.6 | 26.8 | 26.5 | 26.1 | 25.7 |

Labour force

In 1991 Victoria's share of persons employed in Australia decreased to 25.7 per cent. This compared with a share of over 26.0 per cent during the late 1980's, and a peak of 27.1 per cent in 1987. In the six years to August 1991, Victoria's employment grew by 7.8 per cent compared with Australia's 10.8 per cent. In 1991, Victorian and Australian employment decreased for the first time since 1986, by 4.9 per cent and 2.0 per cent, respectively.

In the late 1980's the employment participation rate increased each year, except for 1988 in the case of Victoria, and in each year for Australia. In Victoria the rate increased from 60.9 per cent in 1986 to 64.4 per cent in 1990, while for Australia the rate increased from 61.1 per cent to 63.3 per cent over the same period. In 1991, however, the rate decreased to 62.8 per cent for Victoria and to 62.7 per cent for Australia.

In 1991, the unemployment rate in Victoria increased to 9.7 per cent, the highest rate over the 1986 to 1991 period. Similarly for Australia, a rate of 9.5 per cent was recorded in 1991, compared with the next highest rate over the period of 8.0 per cent in 1986. With the exception of 1991, Victoria's unemployment rate was consistently lower than Australia's throughout the six year period.

**TABLE 5.3 AUSTRALIAN NATIONAL ACCOUNTS, GROSS DOMESTIC PRODUCT AT
FACTOR COST BY INDUSTRY**
(\$m)

| <i>Industry</i> | <i>1984-85</i> | <i>1985-86</i> | <i>1986-87</i> | <i>1987-88</i> | <i>1988-89</i> | <i>1989-90</i> |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| VICTORIA | | | | | | |
| Agriculture, forestry, fishing, and hunting | 1,723 | 1,875 | 2,246 | 2,630 | 3,007 | 3,143 |
| Mining | 3,041 | 2,709 | 1,978 | 2,283 | 2,255 | 2,949 |
| Manufacturing | 11,895 | 12,638 | 13,486 | 15,020 | 16,852 | 18,615 |
| Electricity, gas, and water | 2,154 | 2,357 | 2,785 | 2,944 | 3,198 | 3,412 |
| Construction | 3,202 | 3,774 | 4,292 | 4,748 | 5,679 | 6,453 |
| Wholesale and retail trade | 7,119 | 8,399 | 9,525 | 10,844 | 13,426 | 13,931 |
| Transport, storage, and communication | 3,895 | 4,406 | 5,118 | 5,977 | 6,380 | 6,626 |
| Finance, property, and business services | 3,076 | 3,793 | 4,485 | 6,784 | 7,437 | 8,944 |
| Public administration, defence, and community services | 8,535 | 9,443 | 10,527 | 11,432 | 12,600 | 13,735 |
| Recreation, personal, and other services | 1,811 | 2,042 | 2,072 | 2,505 | 2,740 | 3,004 |
| Ownership of dwellings | 4,434 | 5,019 | 5,650 | 6,216 | 6,766 | 7,494 |
| General government gross operating surplus | 1,117 | 1,215 | 1,305 | 1,378 | 1,455 | 1,541 |
| All industries | 52,002 | 57,674 | 63,469 | 72,761 | 81,795 | 89,847 |
| AUSTRALIA | | | | | | |
| Agriculture, forestry, fishing, and hunting | 8,712 | 8,714 | 9,613 | 11,269 | 13,664 | 13,996 |
| Mining | 10,116 | 11,270 | 11,441 | 11,679 | 11,888 | 15,249 |
| Manufacturing | 34,942 | 37,773 | 39,747 | 44,091 | 50,091 | 53,535 |
| Electricity, gas, and water | 7,343 | 8,124 | 8,961 | 9,660 | 10,612 | 10,753 |
| Construction | 13,198 | 14,876 | 16,876 | 18,629 | 22,195 | 24,494 |
| Wholesale and retail trade | 26,322 | 30,276 | 33,125 | 37,641 | 45,620 | 48,954 |
| Transport, storage, and communication | 16,678 | 18,486 | 20,508 | 23,896 | 25,836 | 27,477 |
| Finance, property, and business services | 13,250 | 15,724 | 19,158 | 23,790 | 28,131 | 32,451 |
| Public administration, defence, and community services | 31,897 | 35,081 | 39,173 | 42,388 | 47,044 | 51,158 |
| Recreation, personal, and other services | 7,213 | 8,145 | 8,811 | 10,561 | 12,066 | 13,771 |
| Ownership of dwellings | 15,986 | 18,110 | 20,554 | 23,396 | 26,591 | 29,586 |
| General government gross operating surplus | 4,600 | 5,032 | 5,455 | 5,809 | 6,183 | 6,608 |
| All industries | 190,257 | 211,611 | 233,422 | 262,809 | 299,921 | 328,032 |



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passenger.

SOCIAL

Above: Children observing wildlife and undertaking environmental studies - *Healsville Sanctuary, Education Section*

Below: National Heart Foundation "Walk around the Block" campaign, Chinese group participants. Inset: "Skip Rope for Heart" in the City Square. - *National Heart Foundation*





AGRICULTURE

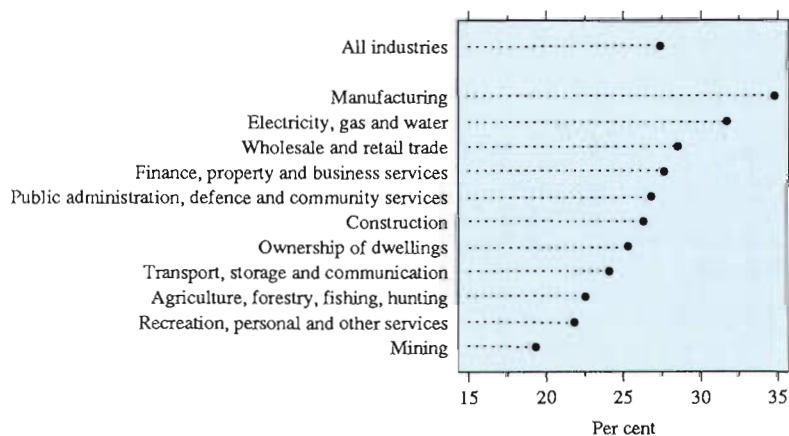
Above: Sheep grazing at the Werribee Treatment complex - Melbourne Water

Left: Gully erosion is often a consequence of over-clearing and salinity - Department of Conservation and Environment

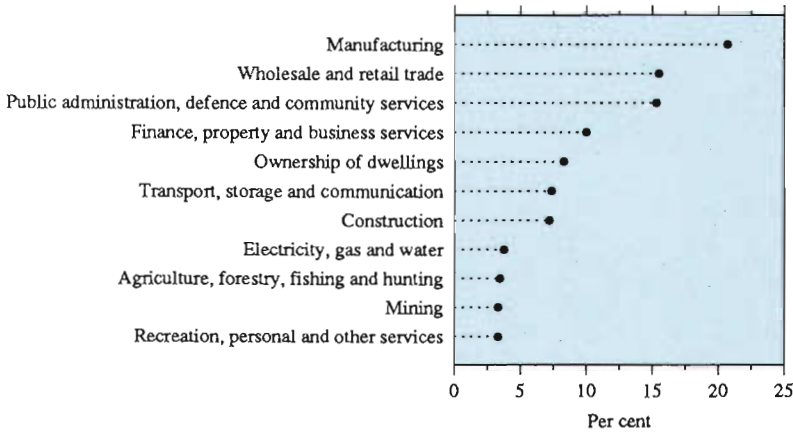
TABLE 5.4 AUSTRALIAN NATIONAL ACCOUNTS, GROSS DOMESTIC PRODUCT AT FACTOR COST BY INDUSTRY, VICTORIA AS A PERCENTAGE OF AUSTRALIA (per cent)

| <i>Industry</i> | <i>1984-85</i> | <i>1985-86</i> | <i>1986-87</i> | <i>1987-88</i> | <i>1988-89</i> | <i>1989-90</i> |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Agriculture, forestry, fishing, and hunting | 19.8 | 21.5 | 23.4 | 23.3 | 22.0 | 22.5 |
| Mining | 30.1 | 24.0 | 17.3 | 19.5 | 19.0 | 19.3 |
| Manufacturing | 34.0 | 33.5 | 33.9 | 34.1 | 33.6 | 34.8 |
| Electricity, gas, and water | 29.3 | 29.0 | 31.1 | 30.5 | 30.1 | 31.7 |
| Construction | 24.3 | 25.4 | 25.4 | 25.5 | 25.6 | 26.3 |
| Wholesale and retail trade | 27.0 | 27.7 | 28.8 | 28.8 | 29.4 | 28.5 |
| Transport, storage, and communication | 23.4 | 23.8 | 25.0 | 25.0 | 24.7 | 24.1 |
| Finance, property, and business services | 23.2 | 24.1 | 23.4 | 28.5 | 26.4 | 27.6 |
| Public administration, defence, and community services | 26.8 | 26.9 | 26.9 | 27.0 | 26.8 | 26.8 |
| Recreation, personal, and other services | 25.1 | 25.1 | 23.5 | 23.7 | 22.7 | 21.8 |
| Ownership of dwellings | 27.7 | 27.7 | 27.5 | 26.6 | 25.4 | 25.3 |
| General government gross operating surplus | 24.3 | 24.1 | 23.9 | 23.7 | 23.5 | 23.3 |
| All industries | 27.3 | 27.3 | 27.2 | 27.7 | 27.3 | 27.4 |

AUSTRALIAN NATIONAL ACCOUNTS, GROSS DOMESTIC PRODUCT AT FACTOR COST BY INDUSTRY, VICTORIA AS A PERCENTAGE OF AUSTRALIA, 1989-90



AUSTRALIAN NATIONAL ACCOUNTS, INDIVIDUAL INDUSTRIES AS A PERCENTAGE OF GROSS DOMESTIC PRODUCT AT FACTOR COST, VICTORIA, 1989-90



AUSTRALIAN NATIONAL ACCOUNTS, INDIVIDUAL INDUSTRIES AS A PERCENTAGE OF GROSS DOMESTIC PRODUCT AT FACTOR COST, AUSTRALIA, 1989-90

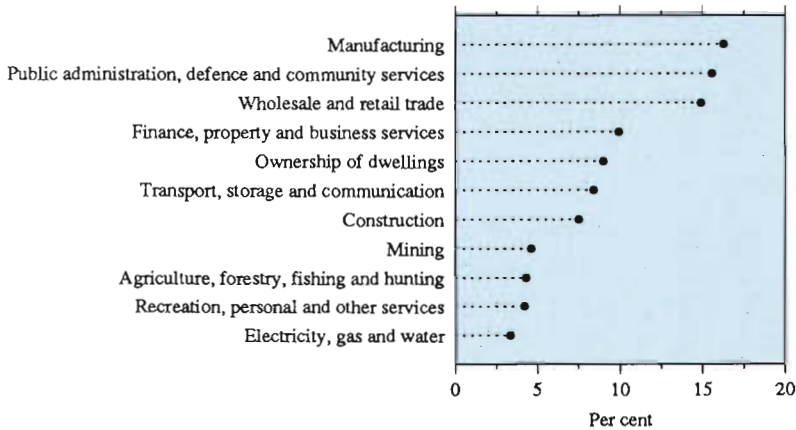


TABLE 5.6 EMPLOYED PERSONS BY INDUSTRY (a)
(^{'000})

| August | Agriculture forestry, fishing, and hunting | Mining | Manufacturing | Construction | Wholesale and retail trade | Transport and storage | Finance property, and business services | Community services | Recreational, personal, and other services | Other industries (b) | Total |
|-----------|---|--------|---------------|--------------|----------------------------------|-----------------------------|--|-----------------------|--|-------------------------|---------|
| VICTORIA | | | | | | | | | | | |
| 1985 | 99.6 | 6.0 | 399.4 | 110.2 | 342.3 | 85.7 | 171.0 | 308.0 | 98.1 | 165.9 | 1,786.2 |
| 1986 | 97.1 | 5.5 | 371.7 | 126.6 | 341.1 | 99.7 | 197.2 | 324.5 | 97.1 | 167.8 | 1,828.6 |
| 1987 | 96.4 | 7.7 | 392.1 | 128.0 | 367.5 | 95.0 | 198.0 | 356.0 | 113.4 | 169.4 | 1,923.6 |
| 1988 | 95.9 | 5.6 | 407.2 | 132.2 | 381.3 | 89.8 | 214.5 | 338.9 | 110.9 | 154.1 | 1,930.5 |
| 1989 | 98.7 | 6.8 | 402.9 | 158.1 | 406.1 | 102.1 | 233.3 | 349.2 | 135.1 | 157.6 | 2,049.8 |
| 1990 | 96.9 | 5.9 | 392.8 | 149.9 | 428.4 | 87.8 | 239.5 | 376.1 | 130.2 | 165.5 | 2,073.1 |
| AUSTRALIA | | | | | | | | | | | |
| 1985 | 415.1 | 101.6 | 1,113.2 | 471.2 | 1,324.7 | 377.4 | 668.0 | 1,160.4 | 430.9 | 613.2 | 6,675.6 |
| 1986 | 415.5 | 95.5 | 1,131.6 | 493.4 | 1,390.7 | 396.4 | 703.2 | 1,222.2 | 457.7 | 612.5 | 6,918.6 |
| 1987 | 402.4 | 98.5 | 1,154.4 | 487.9 | 1,411.6 | 375.3 | 771.1 | 1,283.7 | 496.3 | 611.1 | 7,092.3 |
| 1988 | 428.2 | 95.3 | 1,203.6 | 529.2 | 1,502.2 | 379.1 | 865.5 | 1,308.6 | 530.2 | 571.4 | 7,353.4 |
| 1989 | 406.2 | 103.4 | 1,236.0 | 601.4 | 1,606.9 | 407.5 | 875.2 | 1,359.9 | 554.7 | 577.2 | 7,727.6 |
| 1990 | 424.7 | 96.1 | 1,200.4 | 585.3 | 1,612.1 | 402.2 | 904.3 | 1,422.8 | 561.3 | 615.8 | 7,825.0 |

See footnote at end of Table 5.8.

TABLE 5.7 EMPLOYED PERSONS BY INDUSTRY AS A PERCENTAGE OF TOTAL PERSONS EMPLOYED (a)

| August - | Agriculture forestry, fishing and hunting | Mining | Manufacturing | Construction | Wholesale and retail trade | Transport and storage | Finance, property, and business services | Community services | Recreational, personal, and other services | Other industries (b) | Total |
|-----------|--|--------|---------------|--------------|-------------------------------|--------------------------|---|-----------------------|--|-------------------------|-------|
| VICTORIA | | | | | | | | | | | |
| 1985 | 5.6 | 0.3 | 22.4 | 6.2 | 19.2 | 4.8 | 9.6 | 17.2 | 5.5 | 9.3 | 100.0 |
| 1986 | 5.3 | 0.3 | 20.3 | 6.9 | 18.7 | 5.5 | 10.8 | 17.7 | 5.3 | 9.2 | 100.0 |
| 1987 | 5.0 | 0.4 | 20.4 | 6.7 | 19.1 | 4.9 | 10.3 | 18.5 | 5.9 | 8.8 | 100.0 |
| 1988 | 5.0 | 0.3 | 21.1 | 6.8 | 19.8 | 4.7 | 11.1 | 17.6 | 5.7 | 8.0 | 100.0 |
| 1989 | 4.8 | 0.3 | 19.7 | 7.7 | 19.8 | 5.0 | 11.4 | 17.0 | 6.6 | 7.7 | 100.0 |
| 1990 | 4.7 | 0.3 | 18.9 | 7.2 | 20.7 | 4.2 | 11.6 | 18.1 | 6.3 | 8.0 | 100.0 |
| AUSTRALIA | | | | | | | | | | | |
| 1985 | 6.2 | 1.5 | 16.7 | 7.1 | 19.8 | 5.7 | 10.0 | 17.4 | 6.5 | 9.2 | 100.0 |
| 1986 | 6.0 | 1.4 | 16.4 | 7.1 | 20.1 | 5.7 | 10.2 | 17.7 | 6.6 | 8.9 | 100.0 |
| 1987 | 5.7 | 1.4 | 16.3 | 6.9 | 19.9 | 5.3 | 10.9 | 18.1 | 7.0 | 8.6 | 100.0 |
| 1988 | 5.8 | 1.3 | 16.4 | 7.2 | 20.4 | 5.2 | 11.8 | 17.8 | 7.2 | 7.8 | 100.0 |
| 1989 | 5.3 | 1.4 | 16.0 | 7.8 | 20.7 | 5.3 | 11.3 | 17.6 | 7.2 | 7.5 | 100.0 |
| 1990 | 5.4 | 1.2 | 15.3 | 7.5 | 20.6 | 5.1 | 11.6 | 18.2 | 4.6 | 7.9 | 100.0 |

See footnotes at end of Table 5.8.

TABLE 5.8 EMPLOYED PERSONS BY INDUSTRY (a), VICTORIA AS A PERCENTAGE OF AUSTRALIA

| August - | Agriculture forestry, fishing and hunting | Mining | Manufacturing | Construction | Wholesale and retail trade | Transport and storage | Finance, property, and business services | Community services | Recreational, personal, and other services | Other industries (b) | Total |
|----------|--|--------|---------------|--------------|-------------------------------|--------------------------|---|-----------------------|--|-------------------------|-------|
| 1986 | 23.4 | 6.1 | 32.8 | 25.7 | 24.5 | 25.2 | 28.0 | 26.6 | 21.2 | 27.4 | 26.4 |
| 1987 | 24.0 | 7.8 | 34.0 | 26.2 | 26.0 | 25.3 | 25.7 | 27.7 | 22.8 | 27.7 | 27.1 |
| 1988 | 22.4 | 5.9 | 33.8 | 25.0 | 25.4 | 23.7 | 24.8 | 25.9 | 20.9 | 27.0 | 26.3 |
| 1989 | 24.3 | 6.5 | 32.6 | 26.3 | 25.3 | 25.1 | 26.7 | 25.7 | 24.4 | 27.5 | 26.5 |
| 1990 | 22.8 | 6.1 | 32.7 | 25.6 | 26.6 | 21.8 | 26.5 | 26.4 | 36.0 | 26.9 | 26.5 |
| 1991 | 24.3 | 4.2 | 33.1 | 23.2 | 25.0 | 23.0 | 25.4 | 25.0 | 22.4 | 28.0 | 25.7 |

(a) Classified according to Australian Standard Industrial Classification, and based on 1986 Census benchmarks.

(b) Comprises electricity, gas, and water; communication; public administration; and defence.

TABLE 5.9 CIVILIAN POPULATION AGED 15 AND OVER: LABOUR FORCE STATUS

| <i>August</i> | <i>Employed ('000)</i> | <i>Unemployed ('000)</i> | <i>Labour force ('000)</i> | <i>Not in the Labour force ('000)</i> | <i>Civilian population aged 15 years and over ('000)</i> | <i>Unemployment rate (per cent)</i> | <i>Participation rate (per cent)</i> |
|---------------|----------------------------|------------------------------|--------------------------------|---|--|---|--|
| VICTORIA | | | | | | | |
| 1985 | 1,786.2 | 117.1 | 1,903.3 | 1,260.4 | 3,163.7 | 6.2 | 60.2 |
| 1986 | 1,828.6 | 132.3 | 1,960.9 | 1,257.7 | 3,218.6 | 6.7 | 60.9 |
| 1987 | 1,923.6 | 121.5 | 2,045.1 | 1,230.4 | 3,275.5 | 5.9 | 62.4 |
| 1988 | 1,930.5 | 114.9 | 2,045.3 | 1,284.4 | 3,329.7 | 5.6 | 61.4 |
| 1989 | 2,049.8 | 93.6 | 2,143.4 | 1,241.6 | 3,385.0 | 4.4 | 63.3 |
| 1990 | 2,073.1 | 138.8 | 2,211.8 | 1,223.0 | 3,434.9 | 6.3 | 64.4 |
| AUSTRALIA | | | | | | | |
| 1985 | 6,675.6 | 572.7 | 7,248.3 | 4,783.1 | 12,031.4 | 7.9 | 60.2 |
| 1986 | 6,918.6 | 597.6 | 7,516.2 | 4,775.7 | 12,291.9 | 8.0 | 61.1 |
| 1987 | 7,092.3 | 602.0 | 7,694.4 | 4,856.8 | 12,551.2 | 7.8 | 61.3 |
| 1988 | 7,353.4 | 538.7 | 7,892.1 | 4,922.5 | 12,814.5 | 6.8 | 61.6 |
| 1989 | 7,727.6 | 469.4 | 8,197.0 | 4,878.5 | 13,075.4 | 5.7 | 62.7 |
| 1990 | 7,825.0 | 587.4 | 8,412.5 | 4,883.7 | 13,296.2 | 7.0 | 63.3 |

REFERENCES

Data sources

National Accounts provide a systematic statistical framework for summarising and analysing the economic transactions taking place within the nation. While other statistical systems and collections fulfil similar functions in respect of particular parts of the economy and for particular types of transactions, the national accounts provide a comprehensive picture.

For an introduction to the concepts and definitions and a description of the sources of data and methods used to derive estimates for major national accounts aggregates, reference should be made to the publication *Australian National Accounts: Concepts, Sources and Methods* (5216.0).

For additional data on national accounts refer to the following publications.

ABS publications

Australian National Accounts: National Income and Expenditure (5204.0)

Australian National Accounts: State Accounts (5220.0)

The Labour Force, Australia (6203.0)

The Labour Force, Victoria (6202.2)

6 Agriculture



INTRODUCTION

This chapter presents an overview of Victoria's agricultural performance as compared with Australia. Data are provided on the gross value of commodities produced, the major agricultural activities within statistical divisions, the area and production of agricultural commodities, and information concerning livestock and livestock products.

The 1990 Season

The 1989-90 Agricultural Census covered 33,306 establishments with agricultural activity, which was 4 per cent more than the previous season. Census results showed a general increase in livestock numbers, as well as increased output of livestock products compared to the previous year.

Wool production rose by 8 per cent to 143,000 tonnes, but the gross value was \$1.1 billion less than the previous year, due to a marginally lower average unit value. The number of sheep shorn increased by nearly 5 per cent, while the average yield for sheep and lambs was marginally higher at 4.4 kg per head.

It was a good season, with production increases for fruit, vegetables, and fodder crops. Compared to the previous season the gross value of crops, including fruit and vegetables, rose by 7 per cent to \$1.8 billion.

Both the area sown and the production of cereal grains increased, reversing the downward trend of the last three years. Gross value of cereals for grain amounted to a record \$580 million.

The total gross value of agricultural commodities produced was a record figure of just over \$5.1 billion. This was achieved due to a modest 4 per cent rise for the 1990 season.

Victoria compared with Australia

In terms of farm income, Victoria's share for the latest 6 year period (1984-85 to 1989-90) fluctuated markedly. Farm income decreased slightly from \$1,196m in 1988-89 to \$1,152m in 1989-90. The 1989-90 Victorian figure represented 29.9 per cent of the total Australian farm income of \$3,849m.

The Gross Value of Agricultural Commodities Produced (GVACP) provides a measure of the output from farming. In 1989-90, the GVACP for Victoria was \$5,180m, or 22 per cent of the Australian total of \$23,156m. In terms of value, Victoria produced 18 per cent of Australia's crops, 22 per cent of livestock slaughtered, and 27 per cent of livestock products (wool, milk, eggs, and honey).

Scope of the Agricultural Census

Statistics in this publication are, in general, derived from the Agricultural Census conducted each year throughout Australia at 31 March, which collects data from establishments with agricultural activity.

The ABS excludes from the Census establishments with an Estimated Value of Agricultural Operations (EVAO) less than a certain cut-off level. This cut-off level is reviewed from time to time. From 1981-82 to 1985-86 establishments were excluded from the Census if they had, or were expected to have, an EVAO of less than \$2,500. From the 1986-87 Census, the cut-off value was raised to \$20,000.

EVAO is an aggregation of derived values for all crop and livestock activity for each unit. It should be noted that EVAO is applicable *only for Industry Coding and Size Valuation purposes*. It is NOT an indicator of receipts obtained by units, nor of the actual value of agricultural commodities produced by these units.

TABLE 6.1 AUSTRALIAN NATIONAL ACCOUNTS: GROSS DOMESTIC PRODUCT AT FACTOR COST, AGRICULTURE, FORESTRY, FISHING, AND HUNTING INDUSTRY

| Year | Gross Domestic Product at factor cost | | |
|----------|---------------------------------------|-----------|---|
| | Victoria | Australia | Victoria as a percentage of Australia |
| | \$m | \$m | per cent |
| 1984-85r | 1,723 | 8,795 | 19.6 |
| 1985-86r | 1,875 | 8,803 | 21.3 |
| 1986-87r | 2,246 | 9,709 | 23.1 |
| 1987-88r | 2,630 | 11,369 | 23.1 |
| 1988-89r | 3,007 | 13,770 | 21.8 |
| 1989-90 | 3,143 | 14,110 | 22.3 |

Source: ABS, Cat. No. 5220.0 and Cat. No. 5204.0.

TABLE 6.2 AUSTRALIAN NATIONAL ACCOUNTS : FARM INCOME

| Year | Gross Domestic Product at factor cost | | |
|----------|---------------------------------------|-----------|---|
| | Victoria | Australia | Victoria as a percentage of Australia |
| | \$m | \$m | per cent |
| 1984-85r | 476 | 2,704 | 17.6 |
| 1985-86r | 455 | 1,435 | 31.7 |
| 1986-87r | 736 | 1,887 | 39.0 |
| 1987-88r | 976 | 3,222 | 30.3 |
| 1988-89r | 1,196 | 4,388 | 27.3 |
| 1989-90 | 1,152 | 3,849 | 29.9 |

Source: ABS, Cat. No. 5204.0 and Cat. No. 5220.0.

TABLE 6.3 VALUE OF AGRICULTURAL COMMODITIES PRODUCED, VICTORIA
(\$'000)

| Particulars | Year ended 30 June | | | | | |
|---|--------------------|------------------|------------------|------------------|------------------|------------------|
| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 |
| Crops - | | | | | | |
| Cereals for grain | 588,176 | 480,321 | 525,136 | 421,509 | 502,434 | 578,167 |
| Hay | 82,103 | 143,698 | 181,003 | 148,406 | 211,254 | 234,627 |
| Industrial crops | 35,776 | 33,091 | 34,329 | 48,562 | 44,675 | 44,228 |
| Vegetables | 158,496 | 185,605 | 227,351 | 255,994 | 291,792 | 345,303 |
| Grapes | 114,014 | 123,000 | 117,776 | 149,323 | 156,215 | 141,160 |
| Fruit | 151,554 | 154,030 | 203,604 | 202,101 | 220,127 | 233,050 |
| Other | 131,078 | 158,528 | 186,862 | 269,598 | 232,317 | 234,334 |
| Total | 1,261,197 | 1,278,273 | 1,476,061 | 1,495,493 | 1,658,814 | 1,810,869 |
| Livestock slaughtering and other disposals - | | | | | | |
| Cattle and calves | 484,082 | 520,269 | 561,154 | 570,499 | 625,307 | 706,928 |
| Sheep and lambs | 179,647 | 178,677 | 259,275 | 270,033 | 233,308 | 180,182 |
| Other | 258,121 | 251,327 | 249,424 | 294,405 | 318,831 | 332,799 |
| Total | 921,851 | 950,273 | 1,069,853 | 1,134,937 | 1,177,446 | 1,219,909 |
| Livestock products - | | | | | | |
| Wool | 502,306 | 542,076 | 726,259 | 1,144,831 | 1,159,326 | 1,099,775 |
| Dairy products | 473,360 | 557,935 | 643,778 | 747,811 | 904,065 | 956,927 |
| Other | 84,322 | 84,322 | 86,327 | 84,633 | 91,815 | 92,649 |
| Total | 1,059,988 | 1,184,647 | 1,456,364 | 1,977,275 | 2,155,206 | 2,149,351 |
| Grand total | 3,243,036 | 3,413,193 | 4,002,278 | 4,607,705 | 4,991,466 | 5,178,442 |

TABLE 6.4 GROSS VALUE OF AGRICULTURAL COMMODITIES PRODUCED 1989-90
(\$'000)

| | Victoria | Australia | Victoria as a percentage of Australia |
|---|------------------|-------------------|---|
| Crops - | | | |
| Cereals for Grain | 578,200 | 4,022,600 | 14.3 |
| Hay | 234,600 | 543,100 | 43.1 |
| Industrial Crops | 44,200 | 1,701,900 | 2.5 |
| Vegetables | 345,300 | 1,328,200 | 25.9 |
| Grapes | 141,200 | 392,200 | 36.0 |
| Fruit | 233,000 | 1,022,100 | 22.7 |
| Other | 234,300 | 866,200 | 27.0 |
| Total | 1,810,800 | 9,876,300 | 18.3 |
| Livestock Slaughtering and other disposals - | | | |
| Cattle and Calves | 706,900 | 3,582,200 | 19.7 |
| Sheep and Lambs | 180,200 | 495,000 | 36.4 |
| Other | 332,800 | 1,396,000 | 23.8 |
| Total | 1,219,900 | 5,473,200 | 22.2 |
| Livestock Products - | | | |
| Wool | 1,099,800 | 5,572,200 | 19.7 |
| Dairy Products | 956,900 | 1,749,000 | 54.7 |
| Other | 92,600 | 485,500 | 19.0 |
| Total | 2,149,300 | 7,806,700 | 27.5 |
| Grand total | 5,180,000 | 23,156,200 | 22.3 |

TABLE 6.5 NUMBER OF ESTABLISHMENTS, WITH AGRICULTURAL ACTIVITY, AREA, AND LAND UTILISATION, BY STATISTICAL DIVISION 1989-90

| Statistical division | Number of establishments (a) | Area used | Sown pasture | Native | Balance of | Total area of |
|-----------------------|------------------------------|-----------------|--------------|--------------|----------------|----------------|
| | | for crops(b)(c) | and lucerne | pasture | establishments | establishments |
| | | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha |
| Melbourne | 1,579 | 16 | 94 | 26 | 35 | 171 |
| Barwon | 1,674 | 25 | 285 | 77 | 66 | 453 |
| South Western | 5,011 | 47 | 1,340 | 212 | 164 | 1,764 |
| Central Highlands | 1,895 | 57 | 523 | 116 | 97 | 794 |
| Wimmera | 3,323 | 775 | 963 | 171 | 481 | 2,390 |
| Northern Mallee | 3,596 | 705 | 679 | 376 | 660 | 2,419 |
| Loddon-Campaspe | 3,338 | 224 | 787 | 250 | 267 | 1,528 |
| Goulburn | 5,101 | 94 | 774 | 208 | 212 | 1,289 |
| North Eastern | 1,978 | 27 | 320 | 99 | 242 | 688 |
| East Gippsland | 1,313 | 8 | 242 | 260 | 400 | 910 |
| Central Gippsland | 3,579 | 8 | 423 | 57 | 69 | 556 |
| East Central | 919 | 4 | 73 | 10 | 14 | 101 |
| Total Victoria | 33,306 | 1,989 | 6,504 | 1,863 | 2,706 | 13,062 |

(a) Includes non land-based bee keeping establishments (i.e. bee keeping activity not permanently located at one site).

(b) Excludes area of pasture cut for hay or seed.

(c) Duplicated area included if double-cropping occurred.

TABLE 6.6 NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, CLASSIFIED BY EVAO AND MAIN ACTIVITY OF ESTABLISHMENT, BY STATISTICAL DIVISION, VICTORIA, 1989-90 (a)

| Main activity of establishment | Estimated value of agricultural operations (EVAO) (\$'000) | | | | | | Total establishments |
|---|--|------------|------------|--------------|--------------|------------|----------------------|
| | <20 | 20-39 | 40-59 | 60-99 | 100-199 | 200+ | |
| MELBOURNE STATISTICAL DIVISION | | | | | | | |
| Vegetables | 5 | 19 | 29 | 53 | 84 | 114 | 304 |
| Meat cattle | 53 | 115 | 71 | 40 | 18 | 3 | 300 |
| Orchard and other fruit | 21 | 31 | 25 | 46 | 52 | 41 | 216 |
| Nurseries | 42 | 42 | 23 | 38 | 22 | 30 | 197 |
| Poultry | 5 | 11 | 10 | 19 | 29 | 60 | 134 |
| Potatoes | - | 1 | - | 3 | 1 | 4 | 9 |
| Other | 58 | 95 | 77 | 79 | 79 | 31 | 419 |
| Total | 184 | 314 | 235 | 278 | 285 | 283 | 1,579 |
| BARWON STATISTICAL DIVISION | | | | | | | |
| Milk cattle | 2 | 18 | 48 | 156 | 269 | 80 | 573 |
| Sheep | 22 | 104 | 78 | 121 | 143 | 70 | 538 |
| Meat cattle | 33 | 82 | 33 | 24 | 12 | 5 | 189 |
| Other | 25 | 74 | 45 | 66 | 78 | 86 | 374 |
| Total | 82 | 278 | 204 | 367 | 502 | 241 | 1,674 |
| SOUTH WESTERN STATISTICAL DIVISION | | | | | | | |
| Sheep | 35 | 153 | 222 | 464 | 746 | 468 | 2,088 |
| Milk cattle | 11 | 47 | 86 | 417 | 811 | 228 | 1,600 |
| Sheep and meat cattle | 11 | 51 | 78 | 100 | 170 | 178 | 588 |
| Meat cattle | 70 | 199 | 115 | 90 | 47 | 20 | 541 |
| Other | 28 | 30 | 20 | 27 | 28 | 61 | 194 |
| Total | 155 | 480 | 521 | 1,098 | 1,802 | 955 | 5,011 |

TABLE 6.6 NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, CLASSIFIED BY EVAO AND MAIN ACTIVITY OF ESTABLISHMENT, BY STATISTICAL DIVISION, VICTORIA, 1989-90 (a) - continued

| Main activity of establishment | Estimated value of agricultural operations EVAO (\$'000) | | | | | | Total establishments |
|---|--|------------|------------|--------------|--------------|------------|----------------------|
| | <20 | 20-39 | 40-59 | 60-99 | 100-199 | 200+ | |
| CENTRAL HIGHLANDS STATISTICAL DIVISION | | | | | | | |
| Sheep | 28 | 146 | 161 | 255 | 396 | 228 | 1,214 |
| Sheep and meat cattle | 7 | 35 | 37 | 29 | 24 | 12 | 144 |
| Potatoes | - | 5 | 8 | 24 | 38 | 65 | 140 |
| Sheep and cereals | 3 | 4 | 11 | 19 | 40 | 28 | 105 |
| Meat cattle | 20 | 37 | 15 | 16 | 5 | 1 | 94 |
| Other | 14 | 33 | 30 | 41 | 49 | 31 | 198 |
| Total | 72 | 260 | 262 | 384 | 552 | 365 | 1,895 |
| WIMMERA STATISTICAL DIVISION | | | | | | | |
| Sheep and cereals | 5 | 65 | 117 | 267 | 567 | 444 | 1,465 |
| Cereal grains | 15 | 68 | 88 | 167 | 297 | 263 | 898 |
| Sheep | 26 | 117 | 89 | 192 | 247 | 91 | 762 |
| Other | 30 | 32 | 26 | 34 | 38 | 38 | 198 |
| Total | 76 | 282 | 320 | 660 | 1,149 | 836 | 3,323 |
| NORTHERN MALLEE STATISTICAL DIVISION | | | | | | | |
| Grapes | 23 | 183 | 337 | 481 | 325 | 79 | 1,428 |
| Sheep and cereals | 2 | 27 | 33 | 106 | 253 | 348 | 769 |
| Cereal grains | 3 | 22 | 47 | 73 | 148 | 215 | 508 |
| Orchard and other fruit | 17 | 29 | 31 | 42 | 51 | 57 | 227 |
| Other | 63 | 101 | 89 | 147 | 170 | 94 | 664 |
| Total | 108 | 362 | 537 | 849 | 947 | 793 | 3,596 |
| LODDON-CAMPASPE STATISTICAL DIVISION | | | | | | | |
| Sheep | 39 | 188 | 192 | 238 | 281 | 119 | 1,057 |
| Milk cattle | 8 | 17 | 36 | 214 | 358 | 97 | 730 |
| Sheep and cereals | 3 | 50 | 74 | 159 | 212 | 130 | 628 |
| Meat cattle | 35 | 96 | 49 | 31 | 20 | 6 | 237 |
| Sheep and meat cattle | 5 | 49 | 32 | 47 | 52 | 15 | 200 |
| Pigs | - | 9 | 5 | 6 | 25 | 35 | 80 |
| Other | 45 | 61 | 60 | 68 | 77 | 95 | 406 |
| Total | 135 | 470 | 448 | 763 | 1,025 | 497 | 3,338 |
| GOULBURN STATISTICAL DIVISION | | | | | | | |
| Milk cattle | 19 | 57 | 109 | 590 | 843 | 157 | 1,775 |
| Meat cattle | 107 | 235 | 130 | 94 | 56 | 7 | 629 |
| Sheep and meat cattle | 18 | 94 | 97 | 143 | 130 | 49 | 531 |
| Orchard and other fruit | 5 | 23 | 30 | 59 | 102 | 155 | 374 |
| Sheep and cereals | 5 | 32 | 50 | 103 | 79 | 28 | 297 |
| Cereal grains | 10 | 6 | 2 | 2 | 4 | 1 | 25 |
| Meat cattle and cereals | 1 | 3 | 5 | 10 | 4 | - | 23 |
| Other | 104 | 242 | 245 | 313 | 342 | 171 | 1,257 |
| Total | 269 | 692 | 663 | 1,334 | 1,560 | 583 | 5,101 |

TABLE 6.6 NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, CLASSIFIED BY EVAO AND MAIN ACTIVITY OF ESTABLISHMENT, BY STATISTICAL DIVISION, VICTORIA, 1989-90 (a) - continued

| Main activity of establishment | Estimated value of agricultural operations EVAO (\$'000) | | | | | | Total establishments |
|---|--|------------|------------|------------|--------------|------------|----------------------|
| | <20 | 20-39 | 40-59 | 60-99 | 100-199 | 200+ | |
| NORTH EASTERN STATISTICAL DIVISION | | | | | | | |
| Meat cattle | 52 | 242 | 188 | 158 | 73 | 21 | 734 |
| Milk cattle | 2 | 11 | 27 | 101 | 165 | 42 | 348 |
| Sheep and meat cattle | 3 | 53 | 61 | 69 | 71 | 22 | 279 |
| Tobacco | 1 | 8 | 15 | 43 | 75 | 47 | 189 |
| Other | 27 | 66 | 68 | 102 | 100 | 65 | 428 |
| Total | 85 | 380 | 359 | 473 | 484 | 197 | 1,978 |
| EAST GIPPSLAND STATISTICAL DIVISION | | | | | | | |
| Meat cattle | 27 | 140 | 75 | 65 | 43 | 7 | 357 |
| Milk cattle | 1 | 8 | 16 | 76 | 168 | 72 | 341 |
| Sheep and meat cattle | 2 | 32 | 39 | 55 | 64 | 34 | 226 |
| Other | 22 | 49 | 46 | 84 | 111 | 77 | 389 |
| Total | 52 | 229 | 176 | 280 | 386 | 190 | 1,313 |
| CENTRAL GIPPSLAND STATISTICAL DIVISION | | | | | | | |
| Milk cattle | 14 | 60 | 152 | 545 | 941 | 225 | 1,937 |
| Meat cattle | 117 | 357 | 182 | 151 | 94 | 26 | 927 |
| Other | 38 | 103 | 104 | 136 | 158 | 176 | 715 |
| Total | 169 | 520 | 438 | 832 | 1,193 | 427 | 3,579 |
| EAST CENTRAL STATISTICAL DIVISION | | | | | | | |
| Milk cattle | 4 | 19 | 40 | 104 | 157 | 21 | 345 |
| Meat cattle | 41 | 115 | 53 | 41 | 20 | 8 | 278 |
| Other | 11 | 40 | 36 | 60 | 74 | 75 | 296 |
| Total | 56 | 174 | 129 | 205 | 251 | 104 | 919 |

(a) The period covered in this and most subsequent tables in this Chapter is the 1989-90 season, which in general refers to the year ended 31 March 1990 but also includes activities which may have been finalised after 31 March (e.g. grape picking). In most of these activities the growing period occurred before 31 March.

AGRICULTURAL COMMODITIES

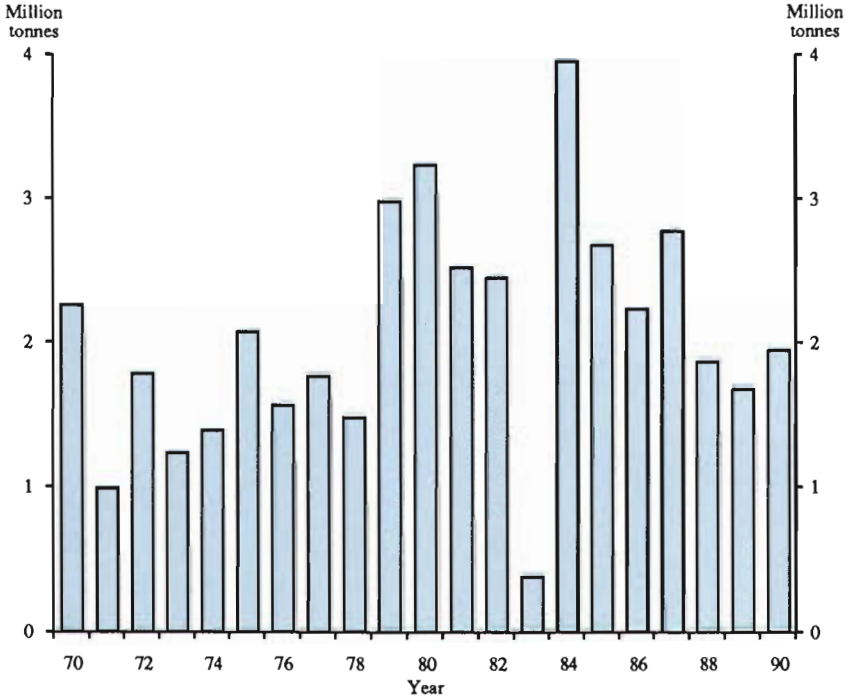
Field crops

The cereals wheat, oats, and barley are the principal field crops in Victoria. These, together with hay production, green feed, and silage, represent about 80 per cent of the total area sown, although there is some variation from year to year.

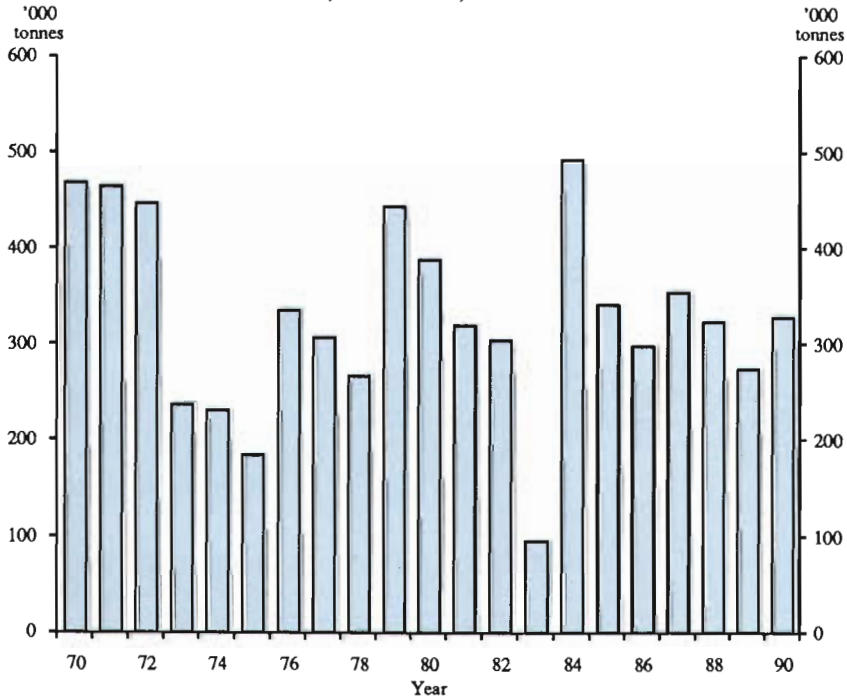
Wheat

Wheat is Victoria's largest crop in terms of area and production. The average area sown in the six-year period 1984-85 to 1989-90 was 1.2 million hectares, about 48 per cent of the State's total area under crops. Over the same period production averaged 2.2 million tonnes. In Victoria, wheat remained a significant crop in 1989-90, representing 65 per cent of total production of cereals for grain. The value of wheat produced in Victoria amounted to \$391m in 1989-90.

WHEAT PRODUCTION, VICTORIA, YEAR ENDED 31 MARCH



OAT PRODUCTION, VICTORIA, YEAR ENDED 31 MARCH

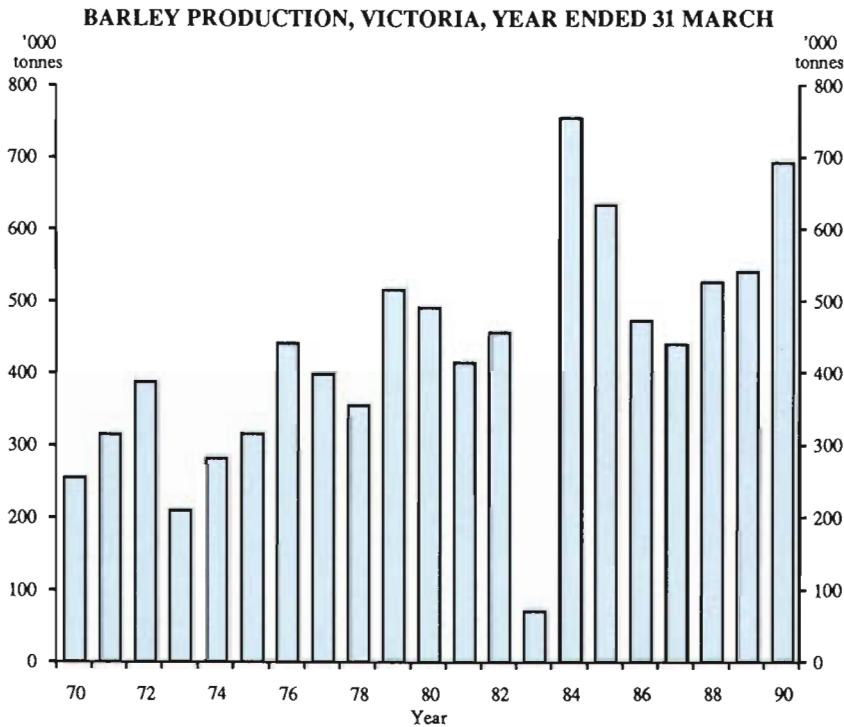


Oats

Oats are sown for grain production, winter grazing, and hay production. The average annual area sown for grain, grazing, and hay between 1984-85 and 1989-90 was 206,833 hectares, of which about 77 per cent was harvested for grain, some of it after being grazed during the winter. Generally, 60 per cent of oats produced is held on farms, 25 per cent is used for compound/urban feed markets, 5 per cent is milled and 10 per cent is exported. Within the feed market, the horse racing industry takes around 25,000 tonnes each year of the higher quality oats available for feed.

Barley

The area sown to barley for all purposes in 1989-90 was 388,719 hectares, slightly higher than the six-year average of 372,333 hectares. While barley is grown in all statistical divisions, production has been traditionally centred in two distinct areas where high quality grain is produced. The highest production is in the south-west of the Northern Mallee and the adjacent north-western Wimmera. The second source of high quality barley grain is in an area between Melbourne, Geelong, and Bacchus Marsh in southern Victoria.



Maize

The total area of maize for grain fell from 1200 hectares in 1984-85 to 282 hectares in 1989-90. Production fell from 6,300 tonnes in 1984-85 to 1,040 tonnes in 1989-90.

Oil seeds

The production of rapeseed, of which 'canola' is a cultivar, increased from 8,711 tonnes in 1984-85 to a high of 24,000 tonnes in 1985-86, falling back to 16,609 tonnes in 1989-90. However during the six year period, yields were the highest in 1988-89 and 1989-90. Safflower production fell in 1989-90 to 13,580 tonnes, while the area sown decreased to 21,842 hectares.

Grain legumes

The legumes, predominantly field peas and lupins for grain, have generally shown strong growth in recent years. The area of lupins sown has risen from about 100 hectares in 1973 to just under 36,000 hectares in 1989-90. The 1989-90 production of lupins was 41,200 tonnes, an increase of 11 per cent over the previous year, while the area sown was 1,000 hectares more than in 1988-89.

The production of field peas fell to 198,158 tonnes in 1989-90. This was 24.9 per cent less than the previous harvest of 263,700 tonnes in 1988-89. The area sown to field peas decreased to 154,366 ha this year, compared to 221,100 ha in 1988-89.

TABLE 6.7 WHEAT FOR GRAIN, VICTORIA

| Season | Area | Production | Average yield per hectare | A.S.W.(a) wheat standard |
|-------------|---------|-------------|------------------------------|-----------------------------|
| | '000 ha | '000 tonnes | tonnes | kg/hl |
| 1984-85 | 1,523 | 2,666 | 1.75 | 84.1 |
| 1985-86 | 1,508 | 2,250 | 1.49 | 80.9 |
| 1985-86 (b) | 1,488 | 2,225 | 1.56 | 80.9 |
| 1986-87 | 1,364 | 2,795 | 2.05 | 80.2 |
| 1987-88 | 1,026 | 1,882 | 1.84 | 82.7 |
| 1988-89 | 931 | 1,691 | 1.82 | 82.5 |
| 1989-90 | 952 | 1,961 | 2.06 | 83.5 |

(a) Australian Standard White, quoted in kilograms per hectolitre.

(b) To assist in gauging the degree of change of the effect of raising the EVAO cut-off from \$2,500 or more to \$20,000 or more, data for 1985-86 have been tabulated on both bases.

TABLE 6.8 OATS FOR GRAIN, VICTORIA

| Season | Area | Production | Average yield per hectare |
|-------------|---------|-------------|------------------------------|
| | '000 ha | '000 tonnes | tonnes |
| 1984-85 | 228 | 343 | 1.50 |
| 1985-86 | 212 | 300 | 1.42 |
| 1985-86 (a) | 204 | 290 | 1.43 |
| 1986-87 | 215 | 356 | 1.66 |
| 1987-88 | 216 | 325 | 1.51 |
| 1988-89 | 189 | 276 | 1.46 |
| 1989-90 | 189 | 330 | 1.75 |

(a) See footnote (b) to Table 6.7.

TABLE 6.9 BARLEY FOR GRAIN, VICTORIA

| Season | Area | | Production | | Average yield per hectare | |
|------------|---------|--|-------------|--|---------------------------|--|
| | '000 ha | | '000 tonnes | | tonnes | |
| 1984-85 | 485 | | 637 | | 1.31 | |
| 1985-86 | 389 | | 476 | | 1.22 | |
| 1985-86(a) | 379 | | 464 | | 1.22 | |
| 1986-87 | 265 | | 444 | | 1.68 | |
| 1987-88 | 366 | | 529 | | 1.45 | |
| 1988-89 | 350 | | 544 | | 1.55 | |
| 1989-90 | 389 | | 696 | | 1.79 | |

(a) See footnote (b) to Table 6.7.

TABLE 6.10 OTHER CEREAL CROPS FOR GRAIN

| Season | Rye | | Maize | | Millet | | Triticale | |
|-------------|---------|-------------|---------|-------------|---------|-------------|-----------|-------------|
| | Area | Production | Area | Production | Area | Production | Area | Production |
| | '000 ha | '000 tonnes | '000 ha | '000 tonnes | '000 ha | '000 tonnes | '000 ha | '000 tonnes |
| 1984-85 | 5.4 | 3.3 | 1.2 | 6.3 | 1.9 | 2.9 | 8.9 | 13.6 |
| 1985-86 | 10.0 | 5.9 | 1.1 | 5.0 | 1.7 | 2.6 | 11.9 | 18.6 |
| 1985-86 (a) | 10.0 | 5.9 | 1.0 | 5.0 | 1.6 | 2.5 | 11.7 | 18.4 |
| 1986-87 | 22.8 | 19.0 | 0.6 | 3.2 | 2.8 | 4.5 | 17.6 | 28.5 |
| 1987-88 | 11.6 | 6.8 | 1.3 | 5.5 | 1.4 | 2.1 | 18.3 | 27.4 |
| 1988-89 | 8.1 | 4.8 | 0.3 | 1.4 | 1.0 | 1.6 | 16.0 | 25.8 |
| 1989-90 | 8.3 | 4.7 | 0.3 | 1.0 | 1.8 | 3.0 | 14.8 | 25.9 |

(a) See footnote (b) to Table 6.7.

TABLE 6.11 SILAGE MADE, AND FARM STOCKS OF SILAGE AND HAY, BY STATISTICAL DIVISION

(tonnes)

| Statistical division | Silage made, season 1989-90 | | Stocks at 31 March 1990 | |
|-----------------------|-----------------------------|------------------|-------------------------|------------------|
| | Silage | Hay | Silage | Hay |
| Melbourne | 2,694 | 45,771 | 3,588 | 45,771 |
| Barwon | 16,973 | 170,656 | 19,648 | 170,656 |
| South Western | 59,412 | 519,462 | 48,794 | 519,462 |
| Central Highlands | 5,887 | 191,826 | 14,065 | 191,826 |
| Wimmera | 940 | 241,230 | 4,663 | 241,230 |
| Northern Mallee | 840 | 94,920 | 7,737 | 94,920 |
| Loddon-Campaspe | 9,986 | 314,857 | 23,129 | 314,857 |
| Goulburn | 11,708 | 405,238 | 16,398 | 405,238 |
| North Eastern | 21,228 | 156,206 | 35,654 | 156,206 |
| East Gippsland | 7,025 | 80,967 | 16,954 | 80,967 |
| Central Gippsland | 75,872 | 280,200 | 40,628 | 280,200 |
| East Central | 10,739 | 52,152 | 7,865 | 52,152 |
| Total Victoria | 223,303 | 2,553,484 | 239,122 | 2,553,484 |

TABLE 6.12 HAY PRODUCTION, VICTORIA, SEASON 1989-90

| <i>Variety</i> | <i>Area</i> | <i>Production</i> | <i>Average yield per hectare</i> |
|-------------------------|----------------|-------------------|----------------------------------|
| | hectares | tonnes | tonnes |
| Meadow grass and clover | 429,984 | 1,696,308 | 3.95 |
| Oaten | 28,847 | 112,986 | 3.92 |
| Lucerne | 25,647 | 138,836 | 5.41 |
| Wheaten | 5,211 | 12,937 | 2.48 |
| Barley and other | 2,167 | 5,172 | 2.39 |
| Total | 491,856 | 1,966,239 | 4.00 |

TABLE 6.13 SELECTED OILSEEDS PRODUCTION, VICTORIA

| <i>Season</i> | <i>Area (hectares)</i> | <i>Production (tonnes)</i> | <i>Average yield per hectare (tonnes)</i> |
|---------------|------------------------|----------------------------|---|
| LINSEED | | | |
| 1984-85 | 1,791 | 2,222 | 1.24 |
| 1985-86 | 3,399 | 5,346 | 1.57 |
| 1985-86 (a) | 3,374 | 5,325 | 1.58 |
| 1986-87 | 2,618 | 2,926 | 1.12 |
| 1987-88 | 4,040 | 4,336 | 1.07 |
| 1988-89 | 1,981 | 2,539 | 1.28 |
| 1989-90 | 709 | 681 | 1.00 |
| RAPESEED (b) | | | |
| 1984-85 | 8,592 | 8,711 | 1.01 |
| 1985-86 | 21,785 | 24,543 | 1.13 |
| 1985-86 (a) | 21,670 | 24,434 | 1.13 |
| 1986-87 | 18,117 | 21,699 | 1.20 |
| 1987-88 | 21,080 | 22,730 | 1.08 |
| 1988-89 | 13,345 | 16,327 | 1.22 |
| 1989-90 | 12,392 | 16,609 | 1.30 |
| SAFFLOWER | | | |
| 1984-85 | 7,038 | 4,569 | 0.65 |
| 1985-86 | 9,432 | 6,264 | 0.66 |
| 1985-86 (a) | 9,174 | 6,136 | 0.67 |
| 1986-87 | 10,448 | 7,425 | 0.71 |
| 1987-88 | 20,878 | 14,467 | 0.69 |
| 1988-89 | 25,824 | 20,126 | 0.78 |
| 1989-90 | 21,842 | 13,580 | 0.60 |
| SUNFLOWER | | | |
| 1984-85 | 12,355 | 14,407 | 1.17 |
| 1985-86 | 13,240 | 14,894 | 1.12 |
| 1985-86 (a) | 12,806 | 14,297 | 1.12 |
| 1986-87 | 7,359 | 8,019 | 1.09 |
| 1987-88 | 4,161 | 7,234 | 1.74 |
| 1988-89 | 3,943 | 6,117 | 1.55 |
| 1989-90 | 3,187 | 5,331 | 1.70 |

(a) See footnote (b) to Table 6.7.

(b) Includes canola.

TABLE 6.14 LEGUMES FOR GRAIN, VICTORIA

| Season | Lupins | | Field peas | | Total (a) | |
|-------------|------------|----------------|------------|----------------|------------|----------------|
| | Area | Production | Area | Production | Area | Production |
| | '000 ha | '000 tonnes | '000 ha | '000 tonnes | '000 ha | '000 tonnes |
| 1984-85 | 20.1 | 20.7 | 84.8 | 86.3 | 105.7 | 107.7 |
| 1985-86 | 24.2 | 30.4 | 136.7 | 137.0 | 161.9 | 168.6 |
| 1985-86 (b) | 23.5 | 29.7 | 135.9 | 136.5 | 160.4 | 167.3 |
| 1986-87 | 27.6 | 37.2 | 197.8 | 334.8 | 232.5 | 384.7 |
| 1987-88 | 37.2 | 35.2 | 236.8 | 258.5 | 289.8 | 311.2 |
| 1988-89 | 34.9 | 37.0 | 221.1 | 263.7 | 280.7 | 335.6 |
| 1989-90 | 35.9 | 41.2 | 154.4 | 198.2 | 237.7 | 314.9 |

(a) Includes chick peas, dried edible beans, etc.

(b) See footnote (b) to Table 6.7.

TABLE 6.15 AREA, PRODUCTION, AND YIELD OF LEGUMES FOR GRAIN, BY STATISTICAL DIVISION, YEAR ENDED 31 MARCH 1990

| Statistical division | Lupins for grain | | | Field peas for grain | | | Total legumes for grain (a) | | |
|-----------------------|------------------|----------------|---------------|----------------------|----------------|---------------|-----------------------------|----------------|---------------|
| | Area | Prod'n | Yield | Area | Prod'n | Yield | Area | Prod'n | Yield |
| | '000 ha | '000 tonnes | tonnes /ha | '000 ha | '000 tonnes | tonnes /ha | '000 ha | '000 tonnes | tonnes /ha |
| Melbourne | 0.1 | 0.1 | 0.8 | - | - | - | 0.2 | 0.1 | 0.7 |
| Barwon | 0.6 | 0.8 | 1.3 | 0.7 | 1.3 | 1.8 | 1.3 | 2.0 | 1.5 |
| South Western | 1.5 | 1.8 | 1.2 | 0.3 | 0.5 | 1.8 | 1.8 | 2.3 | 1.3 |
| Central Highlands | 0.8 | 1.2 | 1.5 | 0.2 | 0.2 | 1.0 | 1.1 | 1.5 | 1.4 |
| Wimmera | 10.2 | 12.8 | 1.2 | 84.5 | 114.1 | 1.3 | 132.9 | 187.6 | 1.4 |
| Northern Mallee | 5.6 | 3.0 | 0.5 | 54.8 | 63.2 | 1.2 | 61.7 | 68.0 | 1.1 |
| Loddon-Campaspe | 5.4 | 7.8 | 1.4 | 12.7 | 17.7 | 1.4 | 25.6 | 37.6 | 1.5 |
| Goulburn | 8.8 | 11.0 | 1.3 | 1.0 | 1.2 | 1.2 | 9.9 | 12.4 | 1.3 |
| North Eastern | 2.7 | 2.6 | 1.0 | - | - | 0.6 | 2.8 | 2.7 | 1.0 |
| East Gippsland | 0.1 | 0.1 | 1.5 | - | - | 0.2 | 0.3 | 0.5 | 1.8 |
| Central Gippsland | - | - | 0.8 | 0.1 | - | 0.4 | - | - | 0.4 |
| East Central | - | - | - | - | - | - | - | - | - |
| Total Victoria | 35.9 | 41.2 | 1.1 | 154.4 | 198.2 | 1.3 | 237.7 | 314.9 | 1.3 |

(a) Includes chick peas, dried edible beans, etc.

FRUIT

Area planted

In Victoria in 1989-90, the area planted with fruit, nuts, and berries was 21,676 hectares and the area of vineyards was 18,916 hectares. Although this total of 40,591 hectares is only about 1.6 per cent of the total area under crops in Victoria, fruit and vine growing make a valuable contribution to the economy of the State.

Tree fruit

In Victoria, the main fruit growing areas are in the Goulburn, Northern Mallee, Melbourne, and East Central Statistical Divisions. There are smaller areas in the North Eastern Statistical Division and also in the Gippsland, Bacchus Marsh, and Ballarat areas.

Small fruit

Climatic requirements have restricted the commercial production of strawberries, and cane and bramble fruits in particular, to the cooler southern regions of Victoria, so that most of the fruit is grown in the hills of the Eastern Melbourne Metropolitan and Mornington Peninsula areas which are relatively close to the Melbourne market. During the last few years fruit growers in other parts of the State interested in diversification have taken up the production of strawberries, raspberries and kiwi fruit, particularly for the fresh fruit market.

Nuts

A wide range of nuts can be grown in Victoria. Examples are almonds, walnuts, chestnuts, hazelnuts, pecans, and pistachios. In the past, only a few of these trees have been grown in commercial plantings. Almonds were mainly planted in the northern area; walnuts and chestnuts in situations with deep soil in the north-east, the Dandenongs, and Gippsland; and hazelnuts on shallower soils in the north-east and the Dandenongs. In 1989-90, production of nuts was 2,078 tonnes.

Grapes

In Victoria, most wine grapes are grown under irrigation in the Northern Mallee Statistical Division, and in the Goulburn Valley and the Murray Valley areas. Wine grape varieties are also being grown in the traditional non-irrigated areas in the north-east (Rutherglen) and in the west (Great Western) of the State. With the increasing interest in wine grapes over recent years, many vineyards of varying sizes have been established in other suitable areas throughout the State.

In 1989-90, Victoria had 18,916 hectares of bearing vines which produced 85,225 tonnes of grapes for winemaking, and 215,284 tonnes for drying and table grapes. There were 1,265 hectares of non-bearing vines.

Table grape production in recent years has risen considerably, increasing from 16,312 tonnes in 1984-85 to 27,350 tonnes in 1989-90.

OTHER INTENSIVE CROPS

Vegetables

Most of the fresh vegetable production in Victoria is located in the Melbourne, Central Highlands, Loddon-Campaspe and Goulburn statistical divisions.

Potatoes are mainly grown in the Central Highlands around Ballarat, at Thorpdale in the Gippsland Hills, and at Koo-wee-rup, with additional areas around Warrnambool, the Bellarine Peninsula, Colac, the Otway Ranges, and metropolitan market gardens. In 1989-90, the gross value of potato production was \$130m or 7 per cent of the total value of production of crops.

The tomato industry in Victoria is predominantly processing-orientated with most of the crop produced in the irrigated areas between Shepparton and Rochester in northern Victoria.

Tobacco

The tobacco industry in Victoria is centred at Myrtleford in the north-east with production areas in the adjacent valleys of the Buffalo, Ovens, Upper King, and Kiewa Rivers. The 204 tobacco growers in Victoria produced 5,001 tonnes of cured leaf in 1989-90.

Hops

In Victoria, production of hops is confined to the alluvial soils in the valleys of the Ovens and King Rivers where good quality irrigation water is available to supplement the natural summer rainfall. The hop is a summer growing perennial plant, propagated from root cuttings, that develops long vines supported on a post and wire trellis system about six metres above the ground surface. In 1989-90 there were 19 hop gardens in Victoria with a total area of 348 hectares, producing 577 tonnes (dried weight) of hops for both domestic brewers and export markets.

Plant nurseries

In 1989-90, there were 390 nurseries in Victoria with a total production area of 3,010 hectares (including establishments growing cultivated turf).

TABLE 6.16 NUMBER OF SELECTED BEARING AND NON BEARING POME AND STONE FRUIT TREES BY STATISTICAL DIVISION, AT 31 MARCH 1990
('000)

| <i>Statistical division</i> | <i>Apples</i> | <i>Pears</i> | <i>Peaches</i> | <i>Apricots</i> | <i>Nectarines</i> |
|-----------------------------|---------------|--------------|----------------|-----------------|-------------------|
| Melbourne | 530 | 59 | 97 | 1 | 31 |
| Barwon | 2 | - | 1 | 1 | - |
| South Western | 10 | - | 1 | 1 | - |
| Central Highlands | 113 | 18 | 5 | 6 | 9 |
| Wimmera | 2 | 1 | 2 | - | 1 |
| Northern Mallee | 2 | 2 | 53 | 66 | 110 |
| Loddon-Campaspe | 316 | 23 | - | - | - |
| Goulburn | 475 | 1,450 | 582 | 191 | 46 |
| North Eastern | 154 | 1 | 7 | 1 | - |
| East Gippsland | 3 | - | 2 | - | - |
| Central Gippsland | 45 | 4 | 6 | - | 3 |
| East Central | 136 | 5 | 10 | - | 8 |
| Total Victoria | 1,788 | 1,565 | 767 | 268 | 208 |

TABLE 6.17 NUMBER OF SELECTED BEARING AND NON BEARING CITRUS TREES BY STATISTICAL DIVISION, AT 31 MARCH 1990
('000)

| <i>Statistical division</i> | <i>Oranges</i> | <i>Lemons and limes</i> | <i>Mandarins</i> |
|-----------------------------|----------------|-------------------------|------------------|
| Melbourne | - | 9 | - |
| Barwon | - | - | - |
| South Western | - | - | - |
| Central Highlands | - | - | - |
| Wimmera | - | - | - |
| Northern Mallee | 1,023 | 47 | 98 |
| Loddon-Campaspe | - | - | - |
| Goulburn | 98 | 29 | 1 |
| North Eastern | 11 | 5 | - |
| East Gippsland | - | - | - |
| Central Gippsland | - | - | - |
| East Central | - | 3 | - |
| Total Victoria | 1,132 | 93 | 99 |

TABLE 6.18 ORCHARD FRUIT PRODUCTION, VICTORIA
(tonnes)

| Type of fruit | Year ended 31 March - | | | | | | |
|------------------|-----------------------|---------|---------|---------|---------|---------|---------|
| | 1985 | 1986 | 1986(a) | 1987 | 1988 | 1989 | 1990 |
| Pears | 114,087 | 120,933 | 120,638 | 123,859 | 138,814 | 119,012 | 142,419 |
| Apples | 92,379 | 85,404 | 84,902 | 99,801 | 83,451 | 99,554 | 94,098 |
| Peaches | 32,232 | 31,691 | 31,355 | 31,491 | 38,061 | 28,351 | 32,456 |
| Apricots | 5,936 | 7,682 | 7,297 | 6,365 | 8,567 | 8,384 | 9,279 |
| Cherries | 1,170 | 1,198 | 1,121 | 1,193 | 1,092 | 971 | 1,291 |
| Plums and prunes | 2,702 | 2,877 | 2,664 | 2,865 | 3,150 | 3,311 | 3,411 |
| Olives | 810 | 690 | 690 | 43 | 111 | 121 | 183 |
| Nectarines | 1,696 | 1,975 | 1,914 | 2,074 | 2,536 | 2,425 | 3,393 |
| Quinces | 48 | 41 | 36 | 33 | 23 | 26 | 14 |
| Figs | 4 | 3 | 2 | 2 | 5 | 6 | 6 |
| Oranges - | | | | | | | |
| Valencias | 37,695 | 40,008 | 39,303 | 47,132 | 40,680 | 35,461 | 47,733 |
| Navels | 19,470 | 20,481 | 20,145 | 20,572 | 22,094 | 21,620 | 22,319 |
| Other | 194 | 255 | 255 | 324 | 380 | 331 | 305 |
| Lemons and limes | 8,098 | 8,466 | 8,257 | 7,454 | 6,363 | 7,265 | 7,468 |
| Grapefruit | 5,237 | 6,837 | 6,772 | 6,033 | 6,801 | 6,079 | 7,123 |
| Mandarins | 3,278 | 2,652 | 2,571 | 3,080 | 2,783 | 3,259 | 4,078 |

(a) See footnote (b) to Table 6.7.

TABLE 6.19 SMALL FRUIT PRODUCTION, VICTORIA
(kilograms)

| Type of fruit | Year ended 31 March - | | | | | | |
|---------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1985 | 1986 | 1986(a) | 1987 | 1988 | 1989 | 1990 |
| Strawberries | 1,481,776 | 1,475,457 | 1,430,480 | 1,619,267 | 1,747,881 | 1,621,007 | 1,665,103 |
| Raspberries | 255,031 | 215,712 | 207,053 | 312,030 | 320,055 | 330,469 | 375,779 |
| Kiwi Fruit | 103,304 | 239,193 | 237,643 | 567,504 | 860,870 | 1,656,630 | 2,238,540 |
| Blueberries | 12,988 | 30,471 | 16,489 | 21,374 | 30,893 | 31,545 | 50,274 |
| Gooseberries | 3,324 | 3,358 | 288 | 400 | 650 | 475 | 2,005 |
| Loganberries | 5,280 | 6,680 | 6,680 | 3,585 | 9,128 | 4,410 | 2,947 |
| Other berries | 50,989 | 56,571 | 52,361 | 135,651 | 100,111 | 95,497 | 102,331 |

(a) See footnote (b) to Table 6.7.

TABLE 6.20 NUT PRODUCTION, VICTORIA
(kilograms)

| Type of fruit | Year ended 31 March - | | | | | | |
|---------------|-----------------------|---------|---------|-----------|-----------|-----------|-----------|
| | 1985 | 1986 | 1986(a) | 1987 | 1988 | 1989 | 1990 |
| Walnuts | 71,626 | 78,858 | 74,224 | 68,296 | 47,858 | 43,364 | 74,410 |
| Chestnuts | 46,981 | 49,981 | 27,769 | 28,525 | 52,619 | 52,571 | 102,867 |
| Almonds | 597,157 | 871,721 | 864,136 | 1,161,347 | 1,655,376 | 1,478,694 | 1,895,854 |

(a) See footnote (b) to table 6.7

TABLE 6.21 VITICULTURE, AREA AND PRODUCTION, VICTORIA

| Season | Area (hectares) | | Production (tonnes) for - | |
|-------------|-----------------|-------------|---------------------------|----------------------|
| | Bearing | Non-bearing | Wine making | Drying and table (a) |
| 1984-85 | 19,132 | 1,352 | 96,807 | 255,631 |
| 1985-86 | 18,720 | 1,305 | 68,761 | 290,652 |
| 1985-86 (b) | 18,412 | 1,240 | 68,086 | 288,376 |
| 1986-87 | 17,827 | 1,127 | 67,133 | 221,482 |
| 1987-88 | 17,591 | 1,172 | 78,407 | 250,789 |
| 1988-89 | 17,590 | 1,267 | 104,275 | 221,921 |
| 1989-90 | 17,648 | 1,265 | 85,225 | 215,284 |

(a) Production for drying is estimated as fresh weight equivalent of dried weight.

(b) See footnote (b) to Table 6.7.

TABLE 6.22 VEGETABLES FOR HUMAN CONSUMPTION, VICTORIA

| Type of vegetable | Area sown (hectares) | | | Production (tonnes) | | |
|-------------------|----------------------|---------|---------|---------------------|---------|---------|
| | 1987-88 | 1988-89 | 1989-90 | 1987-88 | 1988-89 | 1989-90 |
| Potatoes | 14,458 | 13,020 | 13,319 | 298,175 | 368,307 | 368,409 |
| Onions | 421 | 377 | 399 | 10,020 | 10,656 | 9,221 |
| Carrots | 1,097 | 1,137 | 1,287 | 33,449 | 40,633 | 48,625 |
| Parsnips | 130 | 113 | 123 | 5,025 | 2,230 | 2,598 |
| Beetroot | 31 | 28 | 33 | 335 | 354 | 421 |
| Tomatoes | 2,884 | 2,880 | 3,225 | 125,111 | 107,077 | 136,901 |
| French beans | 712 | 705 | 855 | 3,880 | 3,993 | 5,341 |
| Green peas - | | | | | | |
| Market (a) | 135 | 108 | 93 | 193 | 164 | 155 |
| Factory (b) | 1,547 | 1,806 | 1,849 | 5,584 | 6,929 | 4,928 |
| Cabbages | 723 | 787 | 727 | 28,055 | 27,750 | 26,233 |
| Cauliflowers | 1,009 | 1,094 | 1,206 | 28,626 | 25,033 | 28,668 |
| Lettuce | 1,259 | 1,375 | 1,372 | 32,460 | 30,512 | 28,613 |
| Pumpkins | 386 | 351 | 518 | 5,651 | 8,338 | 8,691 |

(a) Sold in pod.

(b) Shelled weight.

TABLE 6.23 TOBACCO PRODUCTION, VICTORIA

| Season | Area | Production | Average yield per hectare |
|-------------|----------|--------------|---------------------------|
| | hectares | tonnes (dry) | tonnes (dry) |
| 1984-85 | 2,146 | 4,755 | 2.22 |
| 1985-86 | 1,652 | 3,711 | 2.25 |
| 1985-86 (a) | 1,649 | 3,708 | 2.25 |
| 1986-87 | 1,819 | 3,975 | 2.19 |
| 1987-88 | 2,041 | 5,102 | 2.50 |
| 1988-89 | 1,737 | 4,089 | 2.35 |
| 1989-90 | 2,116 | 5,001 | 2.36 |

(a) See footnote (b) to Table 6.7.

TABLE 6.24 HOP PRODUCTION, VICTORIA

| Season | Area | Production | Average yield per hectare |
|-------------|----------|------------|------------------------------|
| | hectares | tonnes (a) | tonnes |
| 1984-85 | 420 | 554 | 1.32 |
| 1985-86 | 471 | 643 | 1.37 |
| 1985-86 (b) | 467 | 640 | 1.37 |
| 1986-87 | 336 | 579 | 1.72 |
| 1987-88 | 382 | 695 | 1.82 |
| 1988-89 | 371 | 680 | 1.84 |
| 1989-90 | 348 | 577 | 1.66 |

(a) Dried weight.

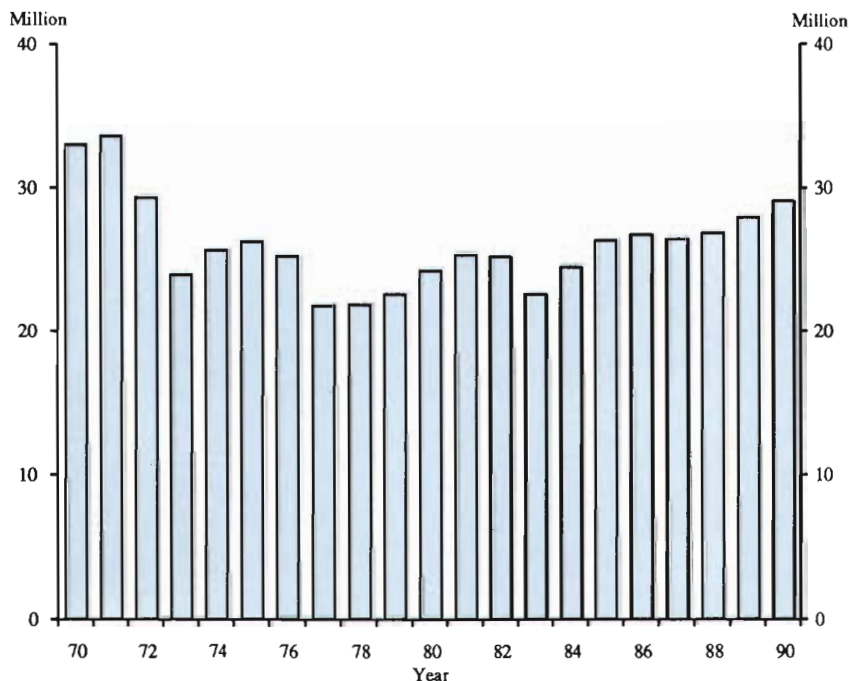
(b) See footnote (b) to Table 6.7.

LIVESTOCK AND LIVESTOCK PRODUCTS

Sheep and wool

At 31 March 1990, the Victorian sheep population was 29.3 million head, well below the 1971 peak of 33.8 million head. Almost 60 per cent of the State's sheep flock is located in the South Western, Central Highlands, and Wimmera Statistical Divisions. Wool production rose by 7.7 per cent, reaching 143,000 tonnes, with a gross value of \$1,100 million. The number of sheep shorn increased by 5 per cent while the average yield (for sheep and lambs) rose to 4.4 kilograms per head.

SHEEP NUMBERS, VICTORIA, AT 31 MARCH



Lambing

The lambing performance of the Victorian flock has fluctuated (according to seasonal conditions) around a six year average of 87.2 lambs marked for each 100 ewes mated.

Victoria's largest lambing season occurred in 1970-71, when 12.7 million lambs were marked from 14.8 million ewes mated (86 per cent), but in 1983-84 reduced matings led to the smallest lambing season (8.4 million) since 1978-79. This increased sharply in 1984-85 when 10.4 million lambs were marked from 11.7 million ewes mated (89 per cent). Since then there has been a slight decline, with 9.5 million lambs marked from 10.9 million sheep mated (87 per cent) in 1989-90.

Mutton and lamb production

Mutton, the meat from adult sheep, is mainly produced from sheep which are surplus to the wool industry, so that production patterns correspond closely to expansions and contractions in that industry. In 1989-90 mutton production was 69,000 tonnes, well down on the 1971-72 peak of 247,000 tonnes.

Prime lamb producers are found throughout the State. However, early to mid-season producers are distributed in a broad band across northern Victoria, including some irrigated areas. In addition, a considerable number of early lambs are brought from southern New South Wales for slaughter in Victoria. Mid to late-season producers are located mainly in the South Western, Central Highlands, Central Gippsland, and parts of the North Eastern Statistical Divisions of the State. In 1989-90, 111,000 tonnes of lamb were produced.

Meat cattle

The Victorian environment is very favourable for beef production with cattle able to graze on pasture throughout the year.

Most of the Victorian breeding herds are located in the South Western, Goulburn, North Eastern, East Gippsland, and Central Gippsland Statistical Divisions. A significant proportion of Victorian beef and veal production was exported during 1989-90, major markets being the USA, Japan, and Republic of Korea.

Milk cattle

Dairy farming in Victoria is largely confined to the higher rainfall areas of Gippsland, the Western District, and the northern irrigation areas. With minor fluctuations, milk cattle numbers have been gradually declining from the 1973 peak of 1,977,000. There were 1,445,000 milk cattle at 31 March 1990, 7,000 more than the previous year.

Pigs

The number of commercial establishments with pigs declined from 1,468 in 1984-85 to 918 in 1989-90. During the same period the average herd size increased from 278 to 466 pigs. This trend toward fewer but larger units is expected to continue, with the bulk of the industry becoming increasingly capital-intensive and established in grain growing areas. The number of pigs in Victoria at 31 March 1990 was 428,161.

Poultry

The trend in the Victorian egg industry has been towards larger specialised farms, with egg producers, hatcheries, and pullet growers using modern poultry housing, equipment, and labour saving machinery.

The main areas of commercial egg production in Victoria are centred on the outskirts of the Melbourne metropolitan area and in the Bendigo district, together with a large centre around Geelong, and substantial flocks in Ballarat, the Wimmera, Goulburn Valley, the north-east, and the La Trobe Valley.

Farms consisting of one person or one family usually manage 5,000 to 15,000 layers. There are, however, many larger farms employing labour with up to 40,000 layers, and a few with much bigger establishments.

In 1989-90, there were 71.4 million chickens, hens, stags, and ducks and drakes slaughtered for human consumption. The total dressed weight was 98,921 tonnes.

Most broiler farms range in capacity from 30,000 to 100,000 broilers, and with the present average of 5.5 batches of broiler chickens a year, these farms may produce from 165,000 to 550,000 broilers a year.

The main broiler production centres are located on the Mornington Peninsula, in areas east and south-east of Melbourne, and in the Geelong area - near the processing works and the main centres of consumption. Most of Victoria's production is consumed locally, with very little being exported.

Apiculture

Honey production in Victoria was 3,127 tonnes in 1989-90. The bulk of the honey produced is sold to large processors who clarify and pack the honey. Nearly 50 per cent of the annual production is exported, chiefly to the United Kingdom.

TABLE 6.25 SELECTED LIVESTOCK NUMBERS, VICTORIA
('000)

| Season | Cattle | | | Sheep | Pigs |
|-------------|--------|-------|-------|--------|------|
| | Dairy | Beef | Total | | |
| 1984-85 | 1,559 | 2,017 | 3,576 | 26,471 | 410 |
| 1985-86 | 1,534 | 2,187 | 3,720 | 26,895 | 432 |
| 1985-86 (a) | 1,513 | 1,870 | 3,383 | 25,716 | 427 |
| 1986-87 | 1,464 | 2,014 | 3,478 | 26,586 | 432 |
| 1987-88 | 1,436 | 2,038 | 3,474 | 26,997 | 437 |
| 1988-89 | 1,438 | 2,071 | 3,509 | 28,067 | 423 |
| 1989-90 | 1,445 | 2,200 | 3,646 | 29,268 | 428 |

(a) See footnote (b) to Table 6.7.

TABLE 6.26 LIVESTOCK SLAUGHTERED, VICTORIA
('000)

| Types of livestock | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|--------------------|---------|---------|---------|---------|---------|---------|
| Sheep | 3,301 | 3,863 | 3,857 | 3,530 | 3,053 | 3,326 |
| Lambs | 6,777 | 7,987 | 6,634 | 7,111 | 6,264 | 6,200 |
| Cattle and calves | 1,971 | 2,045 | 2,081 | 2,054 | 1,875 | 1,995 |
| Pigs | 1,298 | 1,020 | 849 | 938 | 917 | 971 |

TABLE 6.27 SHEEP AND LAMBS BY STATISTICAL DIVISION, AT 31 MARCH 1990
(^{'000})

| <i>Statistical division</i> | <i>Rams</i> | <i>Ewes</i> | <i>Wethers</i> | <i>Lambs</i> | <i>Total</i> |
|-----------------------------|-------------|---------------|----------------|--------------|---------------|
| Melbourne | 2 | 92 | 97 | 43 | 235 |
| Barwon | 19 | 783 | 413 | 389 | 1,603 |
| South Western | 86 | 3,871 | 2,266 | 1,954 | 8,178 |
| Central Highlands | 34 | 1,710 | 1,486 | 888 | 4,118 |
| Wimmera | 39 | 1,867 | 1,586 | 860 | 4,351 |
| Northern Mallee | 16 | 920 | 387 | 387 | 1,710 |
| Loddon-Campaspe | 34 | 1,580 | 1,288 | 736 | 3,639 |
| Goulburn | 33 | 1,414 | 863 | 543 | 2,851 |
| North Eastern | 9 | 353 | 191 | 128 | 680 |
| East Gippsland | 8 | 441 | 311 | 238 | 998 |
| Central Gippsland | 11 | 439 | 194 | 201 | 844 |
| East Central | 1 | 40 | 4 | 16 | 61 |
| Total Victoria | 292 | 13,509 | 9,085 | 6,382 | 29,268 |

TABLE 6.28 LAMBING, VICTORIA

| <i>Season</i> | <i>Ewes mated</i> | <i>Lambs marked</i> | <i>Percentage of lambs marked to ewes mated</i> |
|---------------|-------------------|---------------------|---|
| | ^{'000} | ^{'000} | per cent |
| 1984-85 | 11,744 | 10,446 | 89 |
| 1985-86 | 11,269 | 9,746 | 86 |
| 1985-86 (a) | 10,801 | 9,344 | 86 |
| 1986-87 | 10,479 | 9,001 | 86 |
| 1987-88 | 10,662 | 9,399 | 88 |
| 1988-89 | 10,447 | 9,029 | 86 |
| 1989-90 | 10,923 | 9,504 | 87 |

(a) See footnote (b) to Table 6.7.

TABLE 6.29 SHEEP SHORN AND WOOL CLIPPED, VICTORIA

| <i>Season</i> | <i>Number Shorn</i> | | <i>Wool clipped (including crutchings)</i> | | <i>Average</i> | |
|-----------------|---------------------|-----------------|--|--------------|------------------|-----------------|
| | <i>Sheep</i> | <i>Lambs</i> | <i>Sheep</i> | <i>Lambs</i> | <i>Per sheep</i> | <i>Per lamb</i> |
| | ^{'000} | ^{'000} | tonnes | tonnes | kg | kg |
| 1984-85 | 25,784 | 8,306 | 129,728 | 12,744 | 5.0 | 1.5 |
| 1985-86 | 27,430 | 7,548 | 129,641 | 11,200 | 4.7 | 1.5 |
| 1985-86 (a) (b) | 23,189 | 6,381 | 109,597 | 9,469 | 4.7 | 1.5 |
| 1986-87 (a) | 22,978 | 5,942 | 115,684 | 9,281 | 5.0 | 1.6 |
| 1987-88 (a) | 23,545 | 6,365 | 118,620 | 9,597 | 5.0 | 1.5 |
| 1988-89 (a) | 24,357 | 6,225 | 122,566 | 9,927 | 5.0 | 1.6 |
| 1989-90 (a) | 25,773 | 6,308 | 132,710 | 10,028 | 5.1 | 1.6 |

(a) Calculated directly from Census data collected at 31 March. Previous data were 'industry best estimates' compiled at 30 June - see publication 7211.0 for details.

(b) See footnote (b) to Table 6.7.

**TABLE 6.30 SHEEP SHORN AND WOOL CLIPPED BY STATISTICAL DIVISION,
SEASON 1989-90**

| Statistical division | Number Shorn | | Wool clipped (including crutchings) | | Average | |
|-----------------------|---------------|--------------|--|---------------|------------|------------|
| | Sheep | Lambs | Sheep | Lambs | Per sheep | Per lamb |
| | '000 | '000 | tonnes | tonnes | kg | kg |
| Melbourne | 193 | 39 | 1,059 | 52 | 5.5 | 1.3 |
| Barwon | 1,366 | 377 | 6,937 | 566 | 5.1 | 1.5 |
| South Western | 7,419 | 1,969 | 35,177 | 2,979 | 4.7 | 1.5 |
| Central Highlands | 3,682 | 731 | 18,263 | 1,150 | 5.0 | 1.6 |
| Wimmera | 3,923 | 871 | 21,716 | 1,412 | 5.5 | 1.6 |
| Northern Mallee | 1,284 | 338 | 7,316 | 603 | 5.7 | 1.8 |
| Loddon-Campaspe | 3,192 | 774 | 18,512 | 1,352 | 5.8 | 1.7 |
| Goulburn | 2,534 | 606 | 12,944 | 1,009 | 5.1 | 1.7 |
| North Eastern | 579 | 141 | 2,769 | 215 | 4.8 | 1.5 |
| East Gippsland | 852 | 216 | 4,419 | 314 | 5.2 | 1.5 |
| Central Gippsland | 699 | 224 | 3,377 | 345 | 4.8 | 1.5 |
| East Central | 51 | 22 | 221 | 31 | 4.4 | 1.4 |
| Total Victoria | 25,773 | 6,308 | 132,710 | 10,028 | 5.1 | 1.6 |

TABLE 6.31 TOTAL WOOL PRODUCTION, VICTORIA

| Season | Clip | Stripped from or exported on skins (greasy) | | Total quantity (greasy) |
|-------------|---------|--|--------|----------------------------|
| | | tonnes | tonnes | tonnes |
| 1984-85 | 142,472 | | 24,816 | 167,288 |
| 1985-86 | 140,841 | | 30,067 | 170,908 |
| 1985-86 (a) | 135,102 | | n.a. | n.a. |
| 1986-87 | 124,965 | | 33,728 | 158,693 |
| 1987-88 | 128,217 | | 32,034 | 160,251 |
| 1988-89 | 132,493 | | 25,175 | 157,668 |
| 1989-90 | 142,737 | | 27,974 | 170,711 |

(a) See footnote (b) to Table 6.7.

**TABLE 6.32 DISTRIBUTION OF MEAT CATTLE BY STATISTICAL DIVISION
AT 31 MARCH 1990
(*000)**

| Statistical division | Bulls for service | | Cows and heifers | Calves under 1 year | Other (a) | Total |
|-----------------------|--------------------|-----------------|---------------------|---------------------------|--------------|--------------|
| | 1 year and over | Under 1 year | | | | |
| Melbourne | 2 | 1 | 49 | 27 | 12 | 90 |
| Barwon | 3 | 1 | 50 | 28 | 16 | 96 |
| South Western | 12 | 4 | 246 | 110 | 67 | 440 |
| Central Highlands | 2 | 1 | 43 | 23 | 12 | 81 |
| Wimmera | 1 | - | 18 | 11 | 4 | 36 |
| Northern Mallee | 1 | - | 28 | 21 | 8 | 59 |
| Loddon-Campaspe | 3 | 1 | 72 | 47 | 31 | 155 |
| Goulburn | 8 | 3 | 156 | 89 | 46 | 301 |
| North Eastern | 6 | 2 | 152 | 87 | 56 | 302 |
| East Gippsland | 4 | 2 | 101 | 53 | 21 | 181 |
| Central Gippsland | 8 | 2 | 167 | 100 | 94 | 370 |
| East Central | 2 | - | 43 | 25 | 19 | 89 |
| Total Victoria | 52 | 18 | 1,125 | 619 | 387 | 2,200 |

(a) Steers and bullocks, 1 year and over.

MEAT CATTLE NUMBERS, VICTORIA, AT 31 MARCH

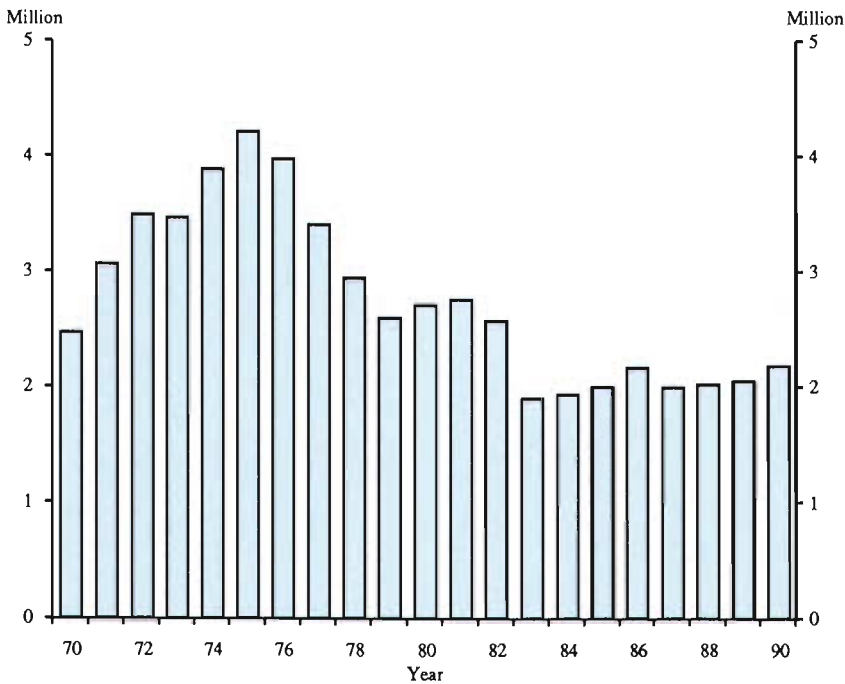


TABLE 6.33 DISTRIBUTION OF MILK CATTLE BY STATISTICAL DIVISION AT 31 MARCH 1990 ('000)

| Statistical division | Bulls for service | | Cows and heifers for milk and cream | | | | Total |
|-----------------------|-------------------|--------------|-------------------------------------|-----------------|--------------|------------------------|--------------|
| | 1 year and over | Under 1 year | Cows in milk and dry | Heifers | | House cows and heifers | |
| | | | | 1 year and over | Under 1 year | | |
| Melbourne | - | - | 6 | 2 | 1 | - | 9 |
| Barwon | 1 | - | 72 | 17 | 15 | - | 107 |
| South Western | 4 | 1 | 205 | 51 | 46 | - | 307 |
| Central Highlands | 1 | - | 5 | 2 | 1 | - | 9 |
| Wimmera | - | - | 1 | - | - | - | 1 |
| Northern Mallee | - | - | 24 | 6 | 6 | - | 36 |
| Loddon-Campaspe | 1 | - | 89 | 22 | 21 | - | 134 |
| Goulburn | 3 | 1 | 203 | 48 | 48 | - | 303 |
| North Eastern | - | - | 39 | 10 | 8 | - | 58 |
| East Gippsland | 1 | - | 51 | 12 | 12 | - | 75 |
| Central Gippsland | 3 | 2 | 234 | 56 | 53 | - | 349 |
| East Central | 1 | - | 37 | 9 | 8 | - | 55 |
| Total Victoria | 15 | 5 | 968 | 234 | 220 | 3 | 1,445 |

TABLE 6.34 MILK PRODUCTION, VICTORIA

| Year ended 30 June - | Million litres | Year ended 30 June - | Million litres |
|-------------------------|----------------|-------------------------|----------------|
| 1985 | 3,540 | 1988 | 3,649 |
| 1986 | 3,575 | 1989 | 3,792 |
| 1987 | 3,692 | 1990 | 3,787 |

TABLE 6.35 PIGS AND PIG KEEPERS BY STATISTICAL DIVISION AT 31 MARCH 1990

| Statistical division | Boars | Breeding sows | All other | Total pigs | Pig keepers |
|-----------------------|--------------|------------------|----------------|----------------|----------------|
| Melbourne | 205 | 2,584 | 17,582 | 20,371 | 17 |
| Barwon | 61 | 851 | 5,207 | 6,119 | 26 |
| South Western | 156 | 1,430 | 15,412 | 16,998 | 75 |
| Central Highlands | 1451 | 2,109 | 18,085 | 20,339 | 32 |
| Wimmera | 358 | 4,959 | 36,604 | 41,921 | 162 |
| Northern Mallee | 282 | 3,539 | 24,967 | 28,788 | 140 |
| Loddon-Campaspe | 1,165 | 18,955 | 170,125 | 190,245 | 186 |
| Goulburn | 596 | 8,998 | 57,768 | 67,362 | 131 |
| North Eastern | 150 | 1,902 | 13,427 | 15,479 | 67 |
| East Gippsland | 22 | 247 | 1,526 | 1,795 | 14 |
| Central Gippsland | 130 | 2,216 | 15,202 | 17,548 | 60 |
| East Central | 14 | 174 | 1,008 | 1,196 | 8 |
| Total Victoria | 3,284 | 47,964 | 376,913 | 428,161 | 918 |

TABLE 6.36 POULTRY SLAUGHTERED FOR HUMAN CONSUMPTION, VICTORIA
(^{'000})

| Year ended 30 June- | Chickens (i.e. broilers, fryers, or roasters) | Hens and stags | Ducks and drakes |
|---------------------|--|-------------------|---------------------|
| 1985 | 55,995 | 2,264 | 452 |
| 1986 | 61,644 | 2,614 | 616 |
| 1987 | 62,466 | 2,441 | 637 |
| 1988 | 68,325 | 2,829 | 703 |
| 1989 | 68,943 | 2,719 | 633 |
| 1990 | 68,335 | 2,154 | 657 |

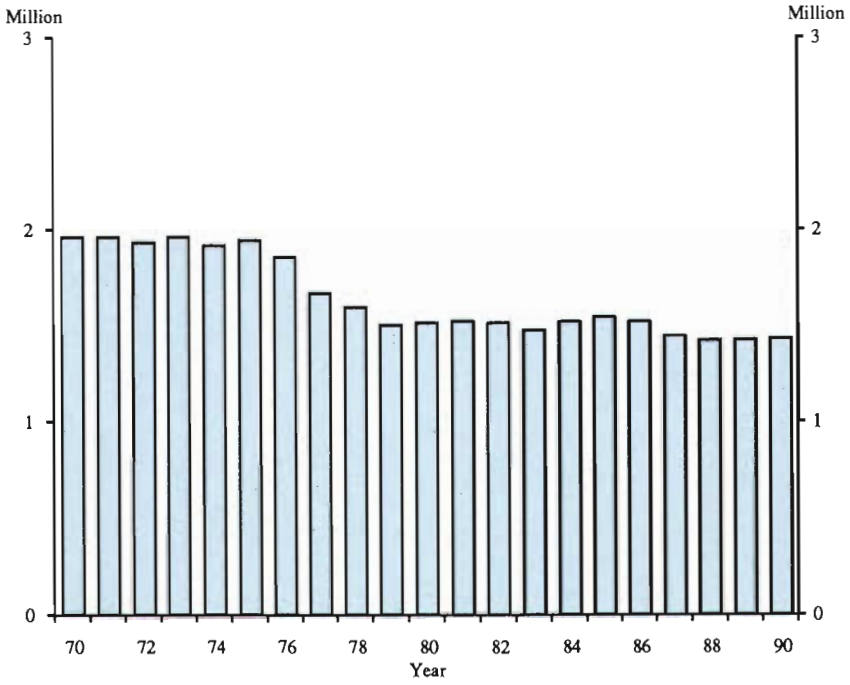
TABLE 6.37 DRESSED WEIGHT OF POULTRY SLAUGHTERED, FRESH AND
FROZEN (a) (b), VICTORIA
(^{'000} kg)

| Year ended 30 June- | Chickens (i.e. broilers, fryers, or roasters) | Hens and stags | Ducks and drakes |
|---------------------|--|-------------------|---------------------|
| 1985 | 75,086 | 3,337 | 865 |
| 1986 | 84,434 | 4,029 | 1,132 |
| 1987 | 84,646 | 3,959 | 1,202 |
| 1988 | 96,279 | 4,655 | 1,326 |
| 1989 | 97,409 | 4,547 | 1,206 |
| 1990 | 92,608 | 3,708 | 1,222 |

(a) Dressed weight of whole birds, pieces, and giblets intended for sale as reported by producers.

(b) Fresh: sold immediately after slaughter or chilled for sale soon after. Frozen: frozen hard for storage of indefinite duration.

MILK CATTLE NUMBERS, VICTORIA, AT 31 MARCH



PIG NUMBERS, VICTORIA, AT 31 MARCH

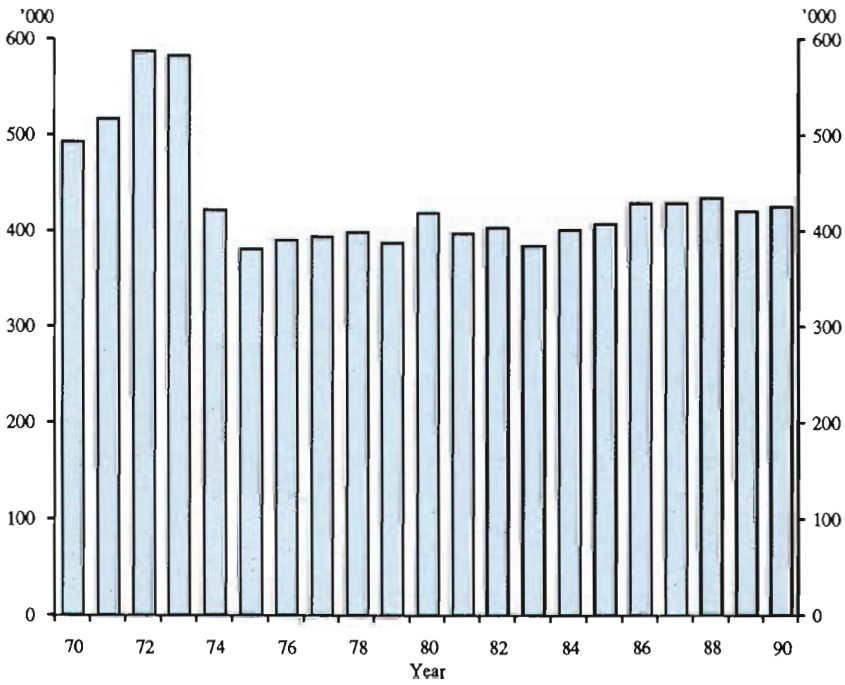


TABLE 6.38 BEEHIVES, HONEY, AND BEESWAX, VICTORIA

| Year ended 30 June- | Production | | | |
|------------------------|------------|---------|--------|---------|
| | Beekeepers | Hives | Honey | Beeswax |
| | number | number | tonnes | tonnes |
| 1985 | 436 | 95,130 | 4,224 | 89 |
| 1986 | 456 | 101,002 | 4,210 | 81 |
| 1986 (a) | 107 | 58,116 | 3,022 | 58 |
| 1987 | 111 | 58,948 | 3,107 | 52 |
| 1988 | 145 | 59,377 | 3,824 | 64 |
| 1989 | 130 | 50,561 | 2,886 | 66 |
| 1990 | 131 | 56,657 | 3,127 | 58 |

(a) See footnote (b) to Table 6.7.

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Principal Agricultural Commodities, Australia, Preliminary (7111.0)
Principal Agricultural Commodities, Victoria, Preliminary (7111.2)
Selected Agricultural Commodities, Australia, Preliminary (7112.0)
Shearing and Wool Production Forecast, Australia, Preliminary (7210.0)
Sheep Numbers, Shearing and Wool Production Forecast, Australia, Preliminary (7211.0)
Livestock Products, Australia (7215.0)
Livestock and Livestock Products, Victoria (7221.2)
Crops, Pastures and Fruit, Victoria (7330.2)
Agricultural Land Use and Selected Inputs, Victoria (7411.2)
Value of Agricultural Commodities Produced, Victoria (7501.2)
Value of Selected Agricultural Commodities Produced, Australia, Preliminary (7502.0)
Value of Agricultural Commodities Produced, Australia (7503.0)

Non-ABS source

Australian Wheat Board

7 Manufacturing, Mining, and Energy



MANUFACTURING

Overview

Manufacturing remains the most significant industry in terms of its contribution to the State's Gross Domestic Product (GDP) at factor cost. However, its share of GDP has been steadily declining, dropping from 23.1 per cent in 1983-84 to 20.7 per cent in 1989-90.

A similar pattern occurred at the national level with manufacturing's share of GDP at factor cost dropping from 18.5 per cent to 16.3 per cent.

Victoria compared with Australia

During 1989-90, Victorian manufacturing industry's contribution to the Australian aggregates was 32.0 per cent of establishments, 34.1 per cent of employment, 34.2 per cent of wages and salaries paid, and 32.5 per cent of turnover. The dominant industry subdivision in Victoria, in terms of contribution to national aggregates, was Clothing and footwear. This industry represented 47.4 per cent of the total Australian establishments, 53.2 per cent of employment, 52.8 per cent of wages and salaries paid, and 51.0 per cent of turnover.

Victorian manufacturing industry invested \$2,780m in private new fixed capital expenditure during 1989-90. This compared with \$2,698m in 1988-89.

Number of establishments

Over the period 1983-84 to 1989-90, the number of Victorian manufacturing establishments with four or more persons employed increased from 8,404 to 9,679 (15.2 per cent).

The largest increase in the number of manufacturing establishments occurred between 1986-87 (9,109 establishments operating) and 1987-88 (9,858 operating).

Employment

During May 1990, manufacturing employment comprised 18.2 per cent of the Victorian employed labour force, compared with 21.4 per cent in May 1983. In May 1991, manufacturing employment comprised 18.3 per cent of the Victorian employed labour force.

Between 1983-84 and 1989-90 employment in the Victorian manufacturing sector decreased from 354,409 persons to 336,712, a decrease of 5.0 per cent. The year to year movements have fluctuated considerably, ranging from an increase of 2.9 per cent in 1987-88 to a decrease of 8.3 per cent in 1989-90.

Between 1983-84 and 1989-90, employment decreased in seven of the twelve ASIC subdivisions and increased in five.

Major decreases occurred in the Textiles (down 4,582 or 25.7 percent), Clothing and footwear (down 8,538 or 19.8 per cent), Chemical, petroleum and coal products (down 2,437 or 12.3 per cent), and Transport equipment (down 3,462 or 6.4 per cent) subdivisions. Lesser decreases occurred in the Basic metal products, Other machinery and equipment, and Food, beverages and tobacco subdivisions.

The increase in employment of 2,462 persons (13.3 per cent) in the Wood, wood products and furniture subdivision was the largest in the period under review. Smaller increases occurred in the Non-metallic mineral products, Miscellaneous manufacturing, Fabricated metal products, and Paper, paper products, printing and publishing subdivisions.

Turnover and value added

Turnover of Victorian manufacturing establishments at current prices increased by 73.6 per cent between 1983-84 and 1989-90. Value added increased by 32.4 per cent between 1983-84 and 1986-87 in current price terms. Data for value added by Victorian manufacturing establishments were not collected in respect of 1987-88 and 1988-89, and are not yet available in respect of 1989-90.

Within individual industry subdivisions, the greatest percentage increase in turnover at current prices was 111.2 per cent in the Non-metallic mineral products subdivision, followed by the Basic metal products subdivision with an increase of 82.6 per cent.

Wages and salaries

Wages and salaries paid increased by 2.4 per cent (from \$8,885m to \$9,100m) over the period 1988-89 to 1989-90. By comparison, turnover at current prices increased by 1.0 per cent over the same period. Between 1983-84 and 1989-90 wages and salaries increased by 50.2 per cent, while turnover at current prices increased by 73.6 per cent.

Major manufacturing industries

In 1989-90, the Transport equipment industry made the greatest contribution to Victorian manufacturing industry in terms of employment, providing 14.9 per cent of the total. In terms of turnover, the largest industry was Food, beverages and tobacco, which contributed 19.3 per cent of the total for Victorian manufacturing.

The Wood, wood products, and furniture, and Fabricated metal products industry subdivisions contained the greatest number of manufacturing establishments, with 1,415 and 1,343, respectively.

Industry profile - Textiles Victoria (ASIC subdivision 23)

At 30 June 1990, there were 287 establishments classified to the Textiles ASIC subdivision. These establishments contributed 3.9 per cent of Victoria's manufacturing employment. Victorian based establishments accounted for 48.4 per cent of employment within the Australian Textiles industry.

Between 1984 and 1990, employment within the subdivision in Victoria decreased by 25.7 per cent while the number of manufacturing establishments decreased by 2.7 per cent.

Wages per person employed rose by 62.5 per cent during this period.

During the six year period under review, the Textile fibres, yarns and woven fabrics group showed an overall decrease in the number of establishments and employment, by 3.2 and 36.4 per cent respectively. The Other textile products group experienced a decrease of 2.4 per cent in the number of establishments and a decrease in employment of 3.9 per cent. Turnover for both industry groups increased, by 44.6 per cent for Textile fibres, yarns and woven fabrics, and 74.5 per cent for Other textile products.

TABLE 7.1 MANUFACTURING ACTIVITY, VICTORIA, 1901 TO 1967-68

| Year | Manufacturing establishments | Employment (a) | Wages and salaries paid (b) | Turnover (c) | Materials and fuel used | Value added (d) | Fixed capital expenditure less disposals (e) |
|---------|------------------------------|----------------|-----------------------------|--------------|-------------------------|-----------------|--|
| | number | number | \$m | \$m | \$m | \$m | \$m |
| 1901 | 3,249 | 66,529 | n.a. | n.a. | n.a. | n.a. | 25 |
| 1911 | 5,126 | 111,948 | 18 | 84 | 51 | 32 | 28 |
| 1920-21 | 6,532 | 140,743 | 43 | 212 | 135 | 77 | 71 |
| 1932-33 | 8,612 | 144,428 | 42 | 204 | 122 | 82 | 136 |
| 1946-47 | 10,949 | 265,757 | 156 | 631 | 368 | 263 | 244 |
| 1953-54 | 15,533 | 331,277 | 472 | 1,971 | 1,154 | 817 | 679 |
| 1960-61 | 17,173 | 388,050 | 776 | 3,332 | 1,914 | 1,418 | 1,642 |
| 1965-66 | 17,980 | 439,149 | 1,077 | 4,625 | 2,597 | 2,028 | 2,386 |
| 1967-68 | 18,030 | 449,945 | 1,244 | 5,351 | 2,957 | 2,395 | 2,685 |

(a) Average over whole year, including working proprietors.

(b) Excludes drawings of working proprietors.

(c) Output, excluding other revenue.

(d) Value added in process of production (ie. value of output less value of materials and fuel, etc, used).

(e) Comprises land, buildings, plant, and machinery.

TABLE 7.2 MANUFACTURING ACTIVITY, VICTORIA, 1968-69 TO 1989-90

| | Manufacturing establishments (a) | Employment (b) | Wages and salaries paid (c) | Turnover | Purchases, transfers in and selected expenses | Value added (d) | Fixed capital expenditure less disposals |
|-----------|----------------------------------|----------------|-----------------------------|----------|---|-----------------|--|
| | number | number | \$m | \$m | \$m | \$m | \$m |
| 1968-69 | 11,563 | 440,236 | 1,342 | 6,336 | 3,861 | 2,542 | 278 |
| 1969-70 | 11,393 | 450,352 | 1,497 | 6,998 | 4,307 | 2,799 | 300 |
| 1980-81 | 8,726 | 391,801 | 5,032 | 23,856 | 14,814 | 9,440 | 712 |
| 1981-82 | 8,916 | 388,872 | 5,757 | 27,208 | 17,031 | 10,578 | 1,046 |
| 1982-83 | 8,392 | 349,679 | 5,950 | 27,747 | 17,060 | 10,649 | 998 |
| 1983-84 | 8,404 | 354,409 | 6,059 | 30,081 | 18,405 | 11,779 | 779 |
| 1984-85 | 8,499 | 357,989 | 6,551 | 33,436 | 20,782 | 13,154 | 1,035 |
| 1986-87 | 9,107 | 354,771 | 7,390 | 39,829 | 24,591 | 15,596 | n.a. |
| 1987-88 | 9,858 | 367,603 | 8,302 | 45,577 | n.a. | n.a. | n.a. |
| 1988-89 | 9,771 | 367,376 | 8,885 | 51,680 | n.a. | n.a. | n.a. |
| 1989-90 p | 9,679 | 338,886 | 9,100 | 52,219 | n.y.a. | n.y.a. | n.y.a. |

(a) All manufacturing establishments in operation at 30 June, owned by multi-establishment management units and single establishment management units with four or more persons employed. Note that the 1968-69 and 1969-70 figures include establishments with fewer than four employees.

(b) At 30 June, including working proprietors.

(c) Excludes drawings of working proprietors.

(d) Value added is calculated by adding to turnover the increase (or deducting the decrease) in value of stock and deducting the value of purchase and selected items of expense.

Note: There was no manufacturing census conducted in respect of 1985-86.

TABLE 7.3 MANUFACTURING ESTABLISHMENTS (a) BY INDUSTRY SUBDIVISION, VICTORIA, 1989-90p

| ASIC code | Industry subdivision | Establishments operating at 30 June | Employment (b) | Wages and salaries paid (c) | Turnover |
|--------------|---|-------------------------------------|----------------|-----------------------------|---------------|
| | | number | '000 | \$m | \$m |
| 21 | Food, beverages, and tobacco | 1,097 | 47.3 | 1,173 | 10,095 |
| 23 | Textiles | 287 | 13.2 | 361 | 1,914 |
| 24 | Clothing and footwear | 995 | 34.7 | 677 | 2,574 |
| 25 | Wood, wood products, and furniture | 1,415 | 21.0 | 497 | 2,043 |
| 26 | Paper, paper products, printing, and publishing | 1,085 | 34.4 | 1,002 | 4,514 |
| 27 | Chemical, petroleum, and coal products | 297 | 17.3 | 590 | 4,725 |
| 28 | Non-metallic mineral products | 404 | 11.5 | 362 | 2,114 |
| 29 | Basic metal products | 213 | 11.7 | 408 | 3,864 |
| 31 | Fabricated metal products | 1,343 | 32.0 | 842 | 3,996 |
| 32 | Transport equipment | 458 | 50.5 | 1,415 | 7,900 |
| 33 | Other machinery and equipment | 1,254 | 41.7 | 1,153 | 5,407 |
| 34 | Miscellaneous manufacturing | 831 | 23.7 | 620 | 3,074 |
| Total | | 9,679 | 338.9 | 9,100 | 52,219 |

(a) All manufacturing establishments owned by multi-establishment management units and single establishment manufacturing management units with four or more persons employed.

(b) At 30 June, including working proprietors.

(c) Excludes drawings of working proprietors.

TABLE 7.4 MANUFACTURING ESTABLISHMENTS (a) BY INDUSTRY SUBDIVISION, PERCENTAGE OF AUSTRALIAN TOTALS, VICTORIA, 1989-90p
(per cent)

| ASIC code | Industry subdivision | Establishments operating at 30 June | Employment (b) | Wages and salaries paid (c) | Turnover |
|----------------------------|---|-------------------------------------|----------------|-----------------------------|-------------|
| | | | | | |
| 21 | Food, beverages, and tobacco | 30.3 | 28.6 | 18.9 | 30.9 |
| 23 | Textiles | 40.9 | 48.4 | 51.4 | 48.4 |
| 24 | Clothing and footwear | 47.4 | 53.2 | 52.8 | 51.0 |
| 25 | Wood, wood products, and furniture | 29.7 | 26.9 | 28.0 | 29.8 |
| 26 | Paper, paper products, printing, and publishing | 31.6 | 33.4 | 33.9 | 34.0 |
| 27 | Chemical, petroleum, and coal products | 33.9 | 35.6 | 36.9 | 33.6 |
| 28 | Non-metallic mineral products | 29.2 | 27.5 | 29.2 | 27.2 |
| 29 | Basic metal products | 32.9 | 17.7 | 17.7 | 18.9 |
| 31 | Fabricated metal products | 28.7 | 31.7 | 32.7 | 32.0 |
| 32 | Transport equipment | 28.0 | 47.4 | 48.4 | 47.3 |
| 33 | Other machinery and equipment | 33.0 | 32.2 | 32.8 | 34.8 |
| 34 | Miscellaneous manufacturing | 32.0 | 38.4 | 39.1 | 38.8 |
| Total manufacturing | | 31.9 | 34.0 | 34.3 | 33.1 |

(a) All manufacturing establishments in operation at 30 June, owned by multi-establishment management units and single establishment management units with four or more persons employed.

(b) At 30 June, including working proprietors.

(c) Excludes drawings of working proprietors.

MANUFACTURING ESTABLISHMENTS: SELECTED VARIABLES
BY INDUSTRY SUBDIVISION,
PERCENTAGE OF AUSTRALIAN TOTALS, 1989-90

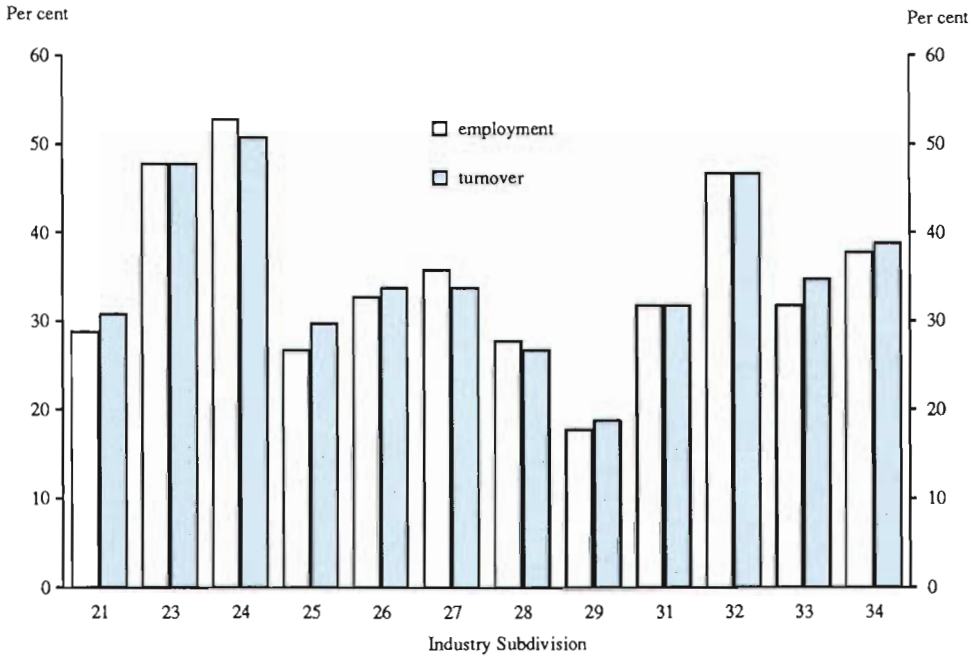


TABLE 7.5 MANUFACTURING ESTABLISHMENTS (a), 1989-90p

| State or Territory | Establishments operating at 30 June | Employment (b) | Wages and salaries paid (c) | Turnover |
|------------------------------|---|----------------|-----------------------------------|----------------|
| | number | number | \$m | \$m |
| New South Wales | 10,092 | 335,205 | 9,405 | 54,313 |
| Victoria | 9,679 | 338,886 | 9,100 | 52,219 |
| Queensland | 4,664 | 124,644 | 3,009 | 22,234 |
| South Australia | 2,374 | 98,356 | 2,468 | 14,630 |
| Western Australia | 2,547 | 66,455 | 1,765 | 12,383 |
| Tasmania | 658 | 25,365 | 682 | 4,044 |
| Northern Territory | 131 | 2,791 | 85 | 572 |
| Australian Capital Territory | 140 | 3,522 | 102 | 345 |
| Total | 30,285 | 995,224 | 26,615 | 160,741 |

(a) All manufacturing establishments in operation at 30 June, owned by multi-establishment management units and single establishment management units with four or more persons employed.

(b) At 30 June, including working proprietors.

(c) Excludes drawings of working proprietors.

TABLE 7.6 NUMBER OF MANUFACTURING ESTABLISHMENTS (a) BY INDUSTRY SUBDIVISION, VICTORIA

| ASIC code | Industry subdivision | 1983-84 | 1984-85 | 1986-87 | 1987-88 | 1988-89 | 1989-90 ^p |
|-----------|---|--------------|--------------|--------------|--------------|--------------|----------------------|
| 21 | Food, beverages, and tobacco | 991 | 1,003 | 1,102 | 1,242 | 1,136 | 1,097 |
| 23 | Textiles | 295 | 304 | 300 | 313 | 302 | 287 |
| 24 | Clothing and footwear | 932 | 955 | 1,030 | 1,089 | 1,059 | 995 |
| 25 | Wood, wood products, and furniture | 1,086 | 1,124 | 1,261 | 1,363 | 1,385 | 1,415 |
| 26 | Paper, paper products, printing, and publishing | 889 | 899 | 947 | 1,023 | 1,071 | 1,085 |
| 27 | Chemical, petroleum, and coal products | 288 | 278 | 284 | 301 | 309 | 297 |
| 28 | Non-metallic mineral products | 390 | 388 | 421 | 439 | 378 | 404 |
| 29 | Basic metal products | 177 | 175 | 203 | 202 | 214 | 213 |
| 31 | Fabricated metal products | 1,079 | 1,074 | 1,139 | 1,283 | 1,305 | 1,343 |
| 32 | Transport equipment | 381 | 383 | 403 | 421 | 451 | 458 |
| 33 | Other machinery and equipment | 1,162 | 1,173 | 1,189 | 1,317 | 1,271 | 1,254 |
| 34 | Miscellaneous manufacturing | 734 | 743 | 828 | 865 | 890 | 831 |
| | Total | 8,404 | 8,499 | 9,107 | 9,858 | 9,771 | 9,679 |

(a) See footnote to Table 7.2.

MANUFACTURING ESTABLISHMENTS: INDUSTRY SUBDIVISION, ESTABLISHMENTS AS A PERCENTAGE OF TOTAL ESTABLISHMENTS, VICTORIA, 1989-90

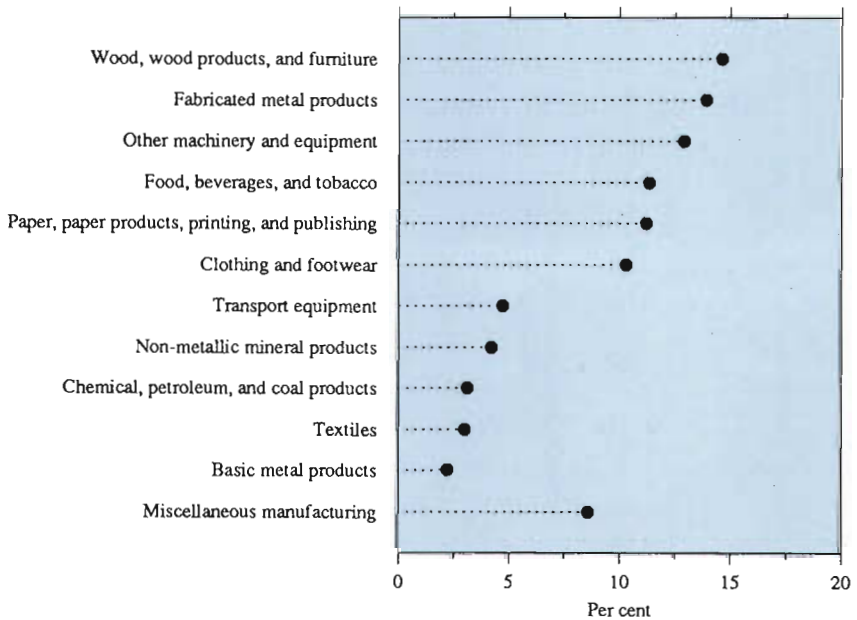


TABLE 7.7 PERSONS EMPLOYED (a) IN MANUFACTURING ESTABLISHMENTS, BY INDUSTRY SUBDIVISION, VICTORIA

| ASIC code | Industry subdivision | 1983-84 | 1984-85 | 1986-87 | 1987-88 | 1988-89 | 1989-90p |
|-----------|---|----------------|----------------|----------------|----------------|----------------|----------------|
| 21 | Food, beverages, and tobacco | 48,604 | 49,246 | 48,802 | 51,700 | 52,389 | 47,344 |
| 23 | Textiles | 17,794 | 18,009 | 19,129 | 19,420 | 17,417 | 13,212 |
| 24 | Clothing and footwear | 43,189 | 42,926 | 41,475 | 40,145 | 38,251 | 34,651 |
| 25 | Wood, wood products, and furniture | 18,520 | 19,466 | 21,215 | 21,952 | 22,037 | 20,982 |
| 26 | Paper, paper products, printing, and publishing | 34,106 | 34,201 | 35,221 | 36,078 | 37,453 | 34,443 |
| 27 | Chemical, petroleum, and coal products | 19,699 | 19,759 | 19,329 | 19,568 | 19,021 | 19,268 |
| 28 | Non-metallic mineral products | 10,472 | 10,280 | 10,625 | 11,001 | 11,491 | 11,461 |
| 29 | Basic metal products | 12,747 | 12,579 | 13,431 | 14,734 | 12,984 | 11,703 |
| 31 | Fabricated metal products | 30,163 | 29,789 | 30,445 | 32,930 | 32,787 | 32,007 |
| 32 | Transport equipment | 53,927 | 55,403 | 47,959 | 50,401 | 52,292 | 50,465 |
| 33 | Other machinery and equipment | 42,271 | 43,295 | 43,773 | 45,162 | 45,253 | 41,700 |
| 34 | Miscellaneous manufacturing | 22,917 | 23,036 | 23,367 | 24,512 | 26,001 | 23,660 |
| | Total | 354,409 | 357,989 | 354,771 | 367,603 | 367,376 | 338,886 |

(a) Employment at 30 June including working proprietors.

TABLE 7.8 MANUFACTURING ESTABLISHMENTS (a), TYPE OF EMPLOYMENT, VICTORIA

| At 30 June | Working proprietors | Administrative, office, sales, and distribution employees (b) | Production and all other employees (b) | Total |
|------------|---------------------|---|--|---------|
| 1982 | 3,475 | 98,178 | 287,219 | 388,872 |
| 1983 | 2,869 | 89,517 | 257,293 | 349,679 |
| 1984 | 2,906 | 88,879 | 262,624 | 354,409 |
| 1985 | 2,630 | 88,809 | 266,550 | 357,989 |
| 1987 | 1,954 | 98,059 | 254,758 | 354,771 |
| 1988 | 2,815 | | 364,788 | 367,603 |
| 1989 | 2,484 | | 364,892 | 367,376 |
| 1990p | 2,174 | | 336,712 | 338,886 |

(a) See footnote to Table 7.2.

(b) Separate data is not available for 1987-88, 1988-89 and 1989-90.

TABLE 7.9 MANUFACTURING ESTABLISHMENTS (a), TYPE OF EMPLOYMENT BY INDUSTRY SUBDIVISION, VICTORIA, AT 30 JUNE 1990p

| ASIC code | Industry subdivision | Working proprietors | Employees (b) | Total |
|-----------|---|---------------------|----------------|----------------|
| 21 | Food, beverages, and tobacco | 508 | 46,836 | 47,344 |
| 23 | Textiles | 61 | 13,131 | 13,212 |
| 24 | Clothing and footwear | 264 | 34,387 | 34,651 |
| 25 | Wood, wood products, and furniture | 412 | 20,570 | 20,982 |
| 26 | Paper, paper products, printing, and publishing | 173 | 34,260 | 34,433 |
| 27 | Chemical, petroleum, and coal products | 14 | 17,254 | 17,268 |
| 28 | Non-metallic mineral products | 77 | 11,384 | 11,461 |
| 29 | Basic metal products | 28 | 11,675 | 11,703 |
| 31 | Fabricated metal products | 259 | 31,748 | 32,007 |
| 32 | Transport equipment | 98 | 50,367 | 50,465 |
| 33 | Other machinery and equipment | 165 | 41,535 | 41,700 |
| 34 | Miscellaneous manufacturing | 115 | 23,545 | 23,660 |
| | Total | 2,174 | 336,712 | 338,886 |

(a) See footnote to Table 7.2.

(b) See footnote to Table 7.8.

TABLE 7.10 MANUFACTURING ESTABLISHMENTS (a), TURNOVER (b) BY INDUSTRY SUBDIVISION, VICTORIA (\$m)

| ASIC code | Industry subdivision | 1983-84 | 1984-85 | 1986-87 | 1987-88 | 1988-89 | 1989-90 ^p |
|--------------|---|---------------|---------------|---------------|---------------|---------------|----------------------|
| 21 | Food, beverages, and tobacco | 6,266 | 6,673 | 7,734 | 8,884 | 9,767 | 10,095 |
| 23 | Textiles | 1,219 | 1,370 | 1,750 | 1,963 | 2,110 | 1,914 |
| 24 | Clothing and footwear | 1,926 | 2,057 | 2,392 | 2,444 | 2,742 | 2,574 |
| 25 | Wood, wood products, and furniture | 1,115 | 1,292 | 1,587 | 1,798 | 1,995 | 2,043 |
| 26 | Paper, paper products, printing, and publishing | 2,499 | 2,833 | 3,612 | 4,097 | 4,743 | 4,514 |
| 27 | Chemical, petroleum, and coal products | 2,668 | 2,876 | 3,400 | 3,837 | 4,387 | 4,725 |
| 28 | Non-metallic mineral products | 1,001 | 1,188 | 1,393 | 1,597 | 1,956 | 2,114 |
| 29 | Basic metal products | 2,116 | 2,397 | 3,082 | 3,460 | 3,922 | 3,864 |
| 31 | Fabricated metal products | 2,037 | 2,186 | 2,548 | 3,113 | 3,700 | 3,996 |
| 32 | Transport equipment | 4,269 | 5,159 | 5,624 | 6,762 | 7,514 | 7,900 |
| 33 | Other machinery and equipment | 3,055 | 3,325 | 4,253 | 4,809 | 5,542 | 5,407 |
| 34 | Miscellaneous manufacturing | 1,911 | 2,080 | 2,457 | 2,814 | 3,297 | 3,074 |
| Total | | 30,081 | 33,436 | 39,829 | 45,577 | 51,675 | 52,219 |

(a) See footnote to Table 7.2.

(b) Turnover includes sales of goods whether produced by an establishment or not, transfers out of goods to other establishments of the same management unit, bounties and subsidies on production plus all other operating revenue from outside the management unit.

TABLE 7.11 MANUFACTURING ESTABLISHMENTS (a), PURCHASES, TRANSFERS IN, AND SELECTED ITEMS OF EXPENSE (b) BY INDUSTRY SUBDIVISION, VICTORIA (\$m)

| ASIC code | Industry subdivision | 1983-84 | 1984-85 | 1986-87 | 1987-88 | 1988-89 | 1989-90 ^p |
|--------------|---|---------------|---------------|---------------|-------------|-------------|----------------------|
| 21 | Food, beverages, and tobacco | 4,198 | 4,495 | 5,112 | n.a. | n.a. | n.y.a. |
| 23 | Textiles | 741 | 863 | 1,040 | n.a. | n.a. | n.y.a. |
| 24 | Clothing and footwear | 1,030 | 1,115 | 1,294 | n.a. | n.a. | n.y.a. |
| 25 | Wood, wood products, and furniture | 628 | 744 | 942 | n.a. | n.a. | n.y.a. |
| 26 | Paper, paper products, printing, and publishing | 1,325 | 1,530 | 1,841 | n.a. | n.a. | n.y.a. |
| 27 | Chemical, petroleum, and coal products | 1,619 | 1,711 | 2,061 | n.a. | n.a. | n.y.a. |
| 28 | Non-metallic mineral products | 515 | 629 | 797 | n.a. | n.a. | n.y.a. |
| 29 | Basic metal products | 1,592 | 1,885 | 2,339 | n.a. | n.a. | n.y.a. |
| 31 | Fabricated metal products | 1,137 | 1,234 | 1,444 | n.a. | n.a. | n.y.a. |
| 32 | Transport equipment | 2,760 | 3,468 | 3,828 | n.a. | n.a. | n.y.a. |
| 33 | Other machinery and equipment | 1,703 | 1,856 | 2,408 | n.a. | n.a. | n.y.a. |
| 34 | Miscellaneous manufacturing | 1,156 | 1,252 | 1,487 | n.a. | n.a. | n.y.a. |
| Total | | 18,405 | 20,782 | 24,591 | n.a. | n.a. | n.y.a. |

(a) See footnote to Table 7.2.

(b) Includes purchases of materials, fuel, power, containers, etc., and goods for resale, plus transfers in of goods from other establishments of the management unit, plus charges for commission and sub-contract work, repair and maintenance expenses, outward freight and cartage, motor vehicle running expenses, sales commission payments, rent, leasing, and hiring expenses.

**TABLE 7.12 MANUFACTURING ESTABLISHMENTS (a), STOCKS (b) BY INDUSTRY
SUBDIVISION, VICTORIA
(\$m)**

| <i>ASIC code</i> | <i>Industry subdivision</i> | <i>1983-84</i> | <i>1984-85</i> | <i>1986-87</i> | <i>1987-88</i> | <i>1988-89</i> | <i>1989-90</i> |
|-----------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|
| OPENING STOCKS | | | | | | | |
| 21 | Food, beverages, and tobacco | 741 | 744 | 657 | n.a. | n.a. | n.y.a. |
| 23 | Textiles | 192 | 212 | 270 | n.a. | n.a. | n.y.a. |
| 24 | Clothing and footwear | 280 | 316 | 374 | n.a. | n.a. | n.y.a. |
| 25 | Wood, wood products, and furniture | 136 | 151 | 201 | n.a. | n.a. | n.y.a. |
| 26 | Paper, paper products, printing, and publishing | 285 | 291 | 358 | n.a. | n.a. | n.y.a. |
| 27 | Chemical, petroleum, and coal products | 420 | 452 | 610 | n.a. | n.a. | n.y.a. |
| 28 | Non-metallic mineral products | 132 | 120 | 144 | n.a. | n.a. | n.y.a. |
| 29 | Basic metal products | 258 | 273 | 307 | n.a. | n.a. | n.y.a. |
| 31 | Fabricated metal products | 306 | 316 | 343 | n.a. | n.a. | n.y.a. |
| 32 | Transport equipment | 709 | 660 | 885 | n.a. | n.a. | n.y.a. |
| 33 | Other machinery and equipment | 720 | 682 | 979 | n.a. | n.a. | n.y.a. |
| 34 | Miscellaneous manufacturing | 266 | 269 | 290 | n.a. | n.a. | n.y.a. |
| Total | | 4,444 | 4,486 | 5,418 | n.a. | n.a. | n.y.a. |
| CLOSING STOCKS | | | | | | | |
| 21 | Food, beverages, and tobacco | 764 | 769 | 690 | n.a. | n.a. | n.y.a. |
| 23 | Textiles | 211 | 242 | 310 | n.a. | n.a. | n.y.a. |
| 24 | Clothing and footwear | 320 | 345 | 422 | n.a. | n.a. | n.y.a. |
| 25 | Wood, wood products, and furniture | 155 | 174 | 231 | n.a. | n.a. | n.y.a. |
| 26 | Paper, paper products, printing, and publishing | 286 | 343 | 380 | n.a. | n.a. | n.y.a. |
| 27 | Chemical, petroleum, and coal products | 463 | 471 | 652 | n.a. | n.a. | n.y.a. |
| 28 | Non-metallic mineral products | 119 | 125 | 148 | n.a. | n.a. | n.y.a. |
| 29 | Basic metal products | 268 | 311 | 334 | n.a. | n.a. | n.y.a. |
| 31 | Fabricated metal products | 324 | 336 | 378 | n.a. | n.a. | n.y.a. |
| 32 | Transport equipment | 677 | 780 | 960 | n.a. | n.a. | n.y.a. |
| 33 | Other machinery and equipment | 686 | 789 | 944 | n.a. | n.a. | n.y.a. |
| 34 | Miscellaneous manufacturing | 273 | 301 | 328 | n.a. | n.a. | n.y.a. |
| Total | | 4,546 | 4,986 | 5,777 | n.a. | n.a. | n.y.a. |

(a) See footnote to Table 7.2.

(b) Figures include finished goods, work-in-progress and stocks of materials, fuels, etc. Note that due to reporting differences on individual returns and variations in number of establishments from year to year the closing stocks in one year may differ from the opening stocks in the following year.

TABLE 7.13 MANUFACTURING ESTABLISHMENTS (a), VALUE ADDED (b) BY INDUSTRY SUBDIVISION, VICTORIA (\$m)

| ASIC code | Industry subdivision | 1983-84 | 1984-85 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|--------------|---|---------------|---------------|---------------|-------------|-------------|---------------|
| 21 | Food, beverages, and tobacco | 2,092 | 2,203 | 2,654 | n.a. | n.a. | n.y.a. |
| 23 | Textiles | 497 | 538 | 749 | n.a. | n.a. | n.y.a. |
| 24 | Clothing and footwear | 937 | 973 | 1,146 | n.a. | n.a. | n.y.a. |
| 25 | Wood, wood products, and furniture | 505 | 572 | 675 | n.a. | n.a. | n.y.a. |
| 26 | Paper, paper products, printing, and publishing | 1,174 | 1,354 | 1,792 | n.a. | n.a. | n.y.a. |
| 27 | Chemical, petroleum, and coal products | 1,093 | 1,184 | 1,380 | n.a. | n.a. | n.y.a. |
| 28 | Non-metallic mineral products | 473 | 563 | 600 | n.a. | n.a. | n.y.a. |
| 29 | Basic metal products | 534 | 549 | 769 | n.a. | n.a. | n.y.a. |
| 31 | Fabricated metal products | 918 | 973 | 1,139 | n.a. | n.a. | n.y.a. |
| 32 | Transport equipment | 1,476 | 1,811 | 1,871 | n.a. | n.a. | n.y.a. |
| 33 | Other machinery and equipment | 1,319 | 1,575 | 1,811 | n.a. | n.a. | n.y.a. |
| 34 | Miscellaneous manufacturing | 761 | 859 | 1,008 | n.a. | n.a. | n.y.a. |
| Total | | 11,779 | 13,154 | 15,596 | n.a. | n.a. | n.y.a. |

(a) See footnote to Table 7.2.

(b) Value added is calculated by adding to turnover the increase (or deducting the decrease) in value of stock and deducting the value of purchases and selected items of expenditure.

Exports

Between 1987-88 and 1989-90, the value of Victorian manufactured goods exported increased by 5.1 per cent at market prices. Victoria's contribution to the Australian total also increased during this period, from 24.6 per cent to 28.6 per cent.

Basic metal products, at \$259.2m (20.3 per cent in proportional terms), showed the greatest absolute increase in exports. Its share of total manufacturing exports also increased, from 22.8 per cent to 26.1 per cent.

The subdivisions showing most significant proportional increases for Victoria during the period 1987-88 to 1989-90 were Clothing and footwear (60.5 per cent) and Paper, paper products, printing and publishing (42.1 per cent).

Food, beverages and tobacco retained its place as the largest export earner for Victoria, increasing by 6.8 per cent over the two year period. Three of the twelve ASIC subdivisions registered a decrease in exports between 1987-88 and 1989-90. Textiles fell by 36.9 per cent, whilst Transport equipment, and Wood, wood products and furniture decreased by 20.8 per cent and 18.0 per cent respectively.

TABLE 7.14 SELECTED ARTICLES MANUFACTURED, 1990-91

| Article | Unit | Victoria | Australia | Victoria as a percentage of Australia |
|---------------------------------------|-----------------|----------|-----------|---------------------------------------|
| Meat (carcass weight) - | | | | |
| Beef and veal | '000 tonnes | p322 | p1,730 | 18.6 |
| Mutton | '000 tonnes | p94 | p383 | 24.5 |
| Lamb | '000 tonnes | p116 | p291 | 40.0 |
| Pigmeat | '000 tonnes | p68 | p310 | 21.8 |
| Dairy products - | | | | |
| Whole milk | ml. litres | 3,912 | p6,402 | 61.1 |
| Butter | tonnes | 92,851 | 105,887 | 87.7 |
| Cheese | tonnes | 103,522 | 176,260 | 58.7 |
| Ice cream | '000 litres | 64,734 | 192,354 | 33.7 |
| Flour, white | tonnes | 270,684 | 1,227,165 | 22.1 |
| Yarns - | | | | |
| Cotton | tonnes | 10,053 | 23,781 | 42.3 |
| Wool | tonnes | 13,845 | 18,809 | 73.6 |
| Woven cloth - | | | | |
| Cotton | '000 sq metres | n.p. | 35,687 | n.a. |
| Wool | '000 sq metres | 2,175 | 7,641 | 28.5 |
| Cars and station wagons | '000 | 185 | 311 | 59.4 |
| Plastic and synthetic resins | '000 tonnes | 649 | 945 | 68.7 |
| Building materials - | | | | |
| Clay bricks | million | 375 | 1,766 | 21.2 |
| Terracotta and concrete roofing tiles | '000 sq. metres | 4,296 | 19,820 | 21.7 |
| Ready mixed concrete | '000 cu. metres | 2,984 | 14,188 | 21.0 |

TABLE 7.15 FOREIGN TRADE OF MANUFACTURED GOODS: EXPORTS OF MANUFACTURED GOODS BY INDUSTRY SUB-DIVISION, VICTORIA

| ASIC Sub-division | 1987-88 | | 1988-89 | | 1989-90 | |
|--|-----------------|--------------|-----------------|--------------|-----------------|--------------|
| | \$m | % | \$m | % | \$m | % |
| Food, beverages and tobacco | 1,646.0 | 29.5 | 1,560.3 | 28.5 | 1,758.0 | 29.9 |
| Textiles | 581.7 | 10.4 | 512.6 | 9.4 | 366.9 | 6.2 |
| Clothing and footwear | 27.5 | 0.5 | 32.8 | 0.6 | 46.6 | 0.8 |
| Wood, wood products, and furniture | 18.1 | 0.3 | 14.4 | 0.3 | 15.0 | 0.3 |
| Paper, paper products, printing and publishing | 76.5 | 1.4 | 81.6 | 1.5 | 108.7 | 1.8 |
| Chemical, petroleum and coal products | 539.8 | 9.6 | 534.9 | 9.8 | 611.1 | 10.4 |
| Non-metallic mineral products | 37.6 | 0.7 | 34.3 | 0.6 | 37.9 | 0.6 |
| Basic metal products | 1,276.7 | 22.8 | 1,445.5 | 26.4 | 1,535.9 | 26.1 |
| Fabricated metal products | 104.6 | 1.9 | 123.8 | 2.3 | 111.3 | 1.8 |
| Transport equipment | 603.8 | 10.8 | 415.6 | 7.6 | 478.2 | 8.1 |
| Other machinery and equipment | 559.0 | 9.9 | 568.9 | 10.4 | 658.7 | 11.2 |
| Miscellaneous manufacturing | 125.6 | 2.2 | 141.7 | 2.6 | 154.7 | 2.6 |
| Total Victoria (a) | 5,596.9 | 100.0 | 5,466.4 | 100.0 | 5,880.3 | 100.0 |
| Total Australia (a) | 22,713.8 | 100.0 | 19,458.0 | 100.0 | 20,546.9 | 100.0 |

(a) In some cases, division aggregates slightly exceed sums of sub-divisions due to unclassified confidential items.

MINING

In 1988-89 the Victorian mining industry contributed 18.8 per cent of the Australian mining component of Gross Domestic Product (GDP) at factor cost. The mining industry represented 2.8 per cent of Victoria's GDP at factor cost in 1988-89.

The term 'mining', as used in National Accounts concepts, includes the extraction of minerals occurring naturally as solids, such as coals and ores, liquids such as crude petroleum, and gases such as natural gas.

Oil and gas production

In 1988-89, the Gippsland Basin produced 63 per cent of Australia's crude oil and 34 per cent of its natural gas.

Brown coal

The majority of Australia's measured resources of brown coal is located in Victoria's Latrobe Valley, with 52,000 Megatonnes which is considered economically viable. Brown coal is by far Victoria's most valuable solid mineral commodity, with production in 1987-88 valued at \$320.2m.

Gold

Victoria's production of gold bullion increased rapidly in recent years. Only 41 kilograms were produced during 1979-80, rising to 150 kilograms in 1983-84. Victorian gold production increased dramatically from this low base, largely as a result of the Wonga open cut mine at Stawell coming on stream. By 1987-88, Victorian production was 1,634 kilograms and was valued at \$32.9m.

TABLE 7.19 MINING ACTIVITY (a), VICTORIA

| Year | Establish- ments at 30 June | Employ- ment (b) | Wages and salaries (c) | Turnover | Stocks | | Purchases, transfers in and selected expenses | Value added (d) |
|-------------|-----------------------------------|------------------------|------------------------------|----------|---------|---------|--|-----------------------|
| | | | | | Opening | Closing | | |
| | number | number | \$m | \$m | \$m | \$m | \$m | \$m |
| 1983-84 | 230 | 5,663 | 152.5 | 2,533.9 | 61.6 | 59.7 | 281.3 | 2,250.7 |
| 1984-85 | 221 | 5,737 | 160.3 | 3,104.9 | 65.9 | 62.6 | 281.9 | 2,819.7 |
| 1985-86 | 207 | 5,567 | 171.7 | 3,384.0 | 61.1 | 70.3 | 323.5 | 3,069.7 |
| 1986-87 | 208 | 5,783 | 182.1 | 2,525.6 | 65.9 | 72.3 | 293.0 | 2,239.0 |
| 1987-88 | 208 | 5,901 | 204.9 | 2,923.5 | 75.2 | 85.2 | 327.9 | 2,605.5 |
| 1988-89 (e) | 12 | 1,507 | 73.3 | 1,616.1 | 46.1 | 49.5 | 140.1 | 1,479.3 |

(a) ASIC Subdivisions not available for separate publication.

(b) (c) (d) See footnotes to Table 7.2.

(e) The 1988-89 (truncated) census differs from previous mining censuses in that the construction materials and other non-metallic minerals industries have been excluded.

TABLE 7.20 ROYALTIES FROM OIL AND GAS PRODUCTION, VICTORIA
(\$m)

| Year | Amount received | Amount paid to Commonwealth | Amount retained by Victoria |
|---------|-----------------|-----------------------------|-----------------------------|
| 1983-84 | 257.9 | 84.2 | 173.7 |
| 1984-85 | 293.9 | 96.5 | 197.5 |
| 1985-86 | 302.2 | 99.4 | 202.8 |
| 1986-87 | 218.7 | 71.4 | 147.2 |
| 1987-88 | 213.9 | 69.8 | 144.1 |
| 1988-89 | 139.5 | 46.0 | 93.5 |

Source: Department of Manufacturing and Industry Development, Victoria: *Annual Report*.

TABLE 7.21 CRUDE OIL PRODUCTION (a), VICTORIA

| Year | Barrels ('000) | | Megalitres | |
|------|----------------|-------------------------|-------------|----------------------------|
| | During year | Average barrels per day | During year | Average megalitres per day |
| 1984 | 159,395 | 436 | 25,342 | 69.4 |
| 1985 | 177,776 | 487 | 28,264 | 77.4 |
| 1986 | 145,350 | 398 | 23,109 | 63.3 |
| 1987 | 151,571 | 415 | 24,098 | 66.0 |
| 1988 | 133,194 | 364 | 21,176 | 57.9 |
| 1989 | 113,383 | 311 | 18,027 | 49.4 |

(a) After processing.

Source: Australian Institute of Petroleum: *Oil and Australia*

TABLE 7.22 ESTIMATED HYDROCARBON RESERVES, VICTORIA
(million cu. metres)

| Item | 1987 | 1988 | 1989 |
|-------------|------|------|------|
| Crude oil | 161 | 163 | 148 |
| Natural gas | 159 | 161 | 167 |
| Condensate | 22 | 21 | 23 |
| LPG | 46 | 46 | 47 |

Source: Department of Manufacturing and Industry Development, Victoria: *Annual Report*.

TABLE 7.23 MINERAL PRODUCTION, VICTORIA

| Mineral | Unit | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 |
|-------------------------|------------|---------|---------|---------|---------|---------|
| Brown coal | kilotonnes | 38,501 | 36,319 | 41,799 | r44,288 | 48,663 |
| Metallic minerals - | | | | | | |
| Bauxite | tonnes | 4,409 | 4,584 | 7,882 | 7,345 | 6,211 |
| Gold bullion (a) | kilograms | 902 | 1,272 | 1,179 | r1,716 | 2,511 |
| Non-metallic minerals - | | | | | | |
| Diatomite (b) | tonnes | 776 | - | - | r8,000 | 2,137 |
| Gypsum | kilotonnes | 247 | 139 | 187 | r203 | 241 |
| Kaolin (b) | kilotonnes | 89 | 36 | 41 | r101 | 53 |

(a) Gold bullion is not yet refined and may contain small amounts of other metals such as silver.

(b) Refined and unrefined

Source: Department of Manufacturing and Industry Development, Victoria: *Annual Report*.

TABLE 7.24 MINERAL PRODUCTION AND VALUE, VICTORIA, 1988-89

| <i>Mineral</i> | <i>Unit</i> | <i>Production</i> | <i>Value ('000)</i> |
|----------------|-------------|-------------------|---------------------|
| Bauxite | tonnes | 6,211 | 102 |
| Brown coal | kilotonnes | 48,663 | 357,774 |
| Gold | kilograms | 2,511 | 33,435 |
| Gypsum | kilotonnes | 241 | 2,276 |
| Kaolin | kilotonnes | 117 | 13,402 |
| Total | | | 406,989 |

Source: Department of Industry, Victoria: *Annual Report*.

TABLE 7.25 STONE PRODUCTION, VICTORIA, 1988-89

| <i>Item</i> | <i>Establishments operating</i> | <i>Total Victorian production</i> | |
|---|---------------------------------|-----------------------------------|----------------|
| | <i>Number</i> | <i>Production</i> | <i>Value</i> |
| | | 000 tonnes | \$'000 |
| Clays - | | | |
| Brick clay and shale | 10 | 1,751 | 5,927 |
| Fireclay | 2 | 5 | 47 |
| White and other clays | 12 | 144 | 1,282 |
| <i>Total clays</i> | <i>24</i> | <i>1,991</i> | <i>7,256</i> |
| Crushed and broken stone - | | | |
| Basalt | 51 | 13,794 | 144,131 |
| Dacite, rhyolite, and rhyodacite | 3 | 1,967 | 29,073 |
| Granite | 16 | 2,602 | 27,169 |
| Hornfels | 5 | 1,182 | 16,916 |
| Limestone | 10 | 1,007 | 4,756 |
| Sandstone, quartzite | 24 | 1,884 | 10,728 |
| Shale and schist, other | 4 | 327 | 999 |
| <i>Total crushed and broken stone</i> | <i>113</i> | <i>22,763</i> | <i>233,772</i> |
| Dimension stone - | | | |
| Basalt, granite, sandstone and other | 8 | 17 | 608 |
| Earth and soil | 20 | 455 | 2,564 |
| Gravel | 58 | 3,753 | 13,941 |
| Limestone - | | | |
| For agriculture | 15 | 139 | 3,690 |
| For cement | 3 | 2,438 | 14,079 |
| For other purposes | 4 | 70 | 5,414 |
| <i>Total limestone</i> | <i>22</i> | <i>2,684</i> | <i>23,183</i> |
| Salamander and filling | 23 | 720 | 4,605 |
| Sand | 126 | 7,339 | 60,855 |
| Scoria | 20 | 1,024 | 8,445 |
| Tuff | 6 | 206 | 769 |
| Grand total | 420 | 40,952 | 355,998 |

Source: Department of Manufacturing and Industry Development, Victoria: *Annual Report*.

ENERGY

Overview

In 1988-89, Victoria contributed 30.8 per cent of the Electricity, gas, and water component of Australia's Gross Domestic Product (GDP) at factor cost. The Electricity, gas, and water industries represented 4.0 per cent of Victoria's GDP at factor cost in 1988-89.

The Electricity, gas, and water component of GDP includes the transmission and distribution of gas through reticulation systems. It does not include the extraction of crude petroleum or natural gas.

Electricity generated

The State Electricity Commission of Victoria (SEC) is Australia's largest electricity supply authority and individual coal producer. It is a semi-government authority with the principal responsibility of generating or purchasing electricity for supply throughout Victoria.

At 30 June 1989, it distributed electricity directly to 1,555,000 customers and indirectly to a further 286,500 through 11 metropolitan councils which buy power in bulk for retail distribution under franchises granted by Victorian Government before the SEC's establishment.

Victorian production of electricity in 1989-90 was 37,804 GWh, a rise of 4.6 per cent over the 1988-89 figure. Victoria's electricity system is based upon the State's extensive brown coal resource in the LaTrobe Valley in Central Gippsland, which is one of the largest single brown coal deposits in the world, amounting to 200,000 megatonnes, of which 52,000 are presently economically recoverable.

All the major brown coal fired generating plants in the system are located in the LaTrobe Valley. These plants generate three-quarters of the State's electricity requirement.

Other thermal stations include a gas turbine station in the LaTrobe Valley and a gas fired station in Melbourne. There are hydro-electric power stations in north-eastern Victoria, and the State is also entitled to about 30 per cent of the output of the Snowy Mountains hydro-electric scheme and half of the output of the Hume hydro-electric station near Albury.

Main transmission is by 500, 330, 220 and 66 kv lines which supply the principal sub-transmission centres and interconnection between generating sources.

Gas reticulation

The Gas and Fuel Corporation of Victoria is the largest gas undertaking in Australia, the sole reticulator of gas in Victoria, and a major marketer of liquefied petroleum gas (LPG).

Commercial reserves of natural gas were discovered in the off-shore Gippsland Basin in 1965 by Esso-BHP from which the Corporation purchases, under agreement, the State's natural gas requirements.

Supply is drawn from the Marlin, Barracouta, and Snapper fields in Bass Strait, and transported by pipeline to an onshore treatment plant at Longford, near Sale.

The Corporation reticulates gas, 99 per cent of which is natural gas, through a 20,000 kilometre network of underground transmission pipelines and mains to more than one million industrial, commercial, and domestic consumers.

Petroleum marketed

Motor spirit (super, standard and unleaded) marketed in Victoria during 1989-90 amounted to 4,817 megalitres. This represented a 0.9 per cent rise over the 1988-89 figure.

TABLE 7.26 POWER STATIONS: LOCATIONS, RATING, AND PRODUCTION, VICTORIA

| Station | Maximum output achieved (MW) | | Electricity generated (GWh) | |
|-------------------------------------|------------------------------|-----------|-----------------------------|---------------|
| | 1988-89 | 1989-90 | 1988-89 | 1989-90 |
| Brown coal thermal stations - | | | | |
| Hazelwood | 1,320 | 1,300 | 8,397 | 6,995 |
| Yallourn | 103 | - | 27 | - |
| Yallourn W | 1,485 | 1,476 | 8,570 | 8,463 |
| Morwell | 140 | 112 | 835 | 531 |
| Loy Yang A | 2,066 | 2,093 | 13,616 | 14,920 |
| Total | .. | .. | 31,445 | 30,909 |
| Other thermal stations - | | | | |
| Newport D | 507 | 506 | 1,606 | 3,122 |
| Jeeralang | 492 | 473 | 559 | 928 |
| Total | .. | .. | 2,165 | 4,050 |
| Hydro stations - | | | | |
| Kiewa | 192 | 250 | 413 | 332 |
| Eildon-Rubicon (incl. Cairn-Curran) | 136 | 149 | 203 | 354 |
| Dartmouth | 150 | 176 | 72 | 117 |
| Total | .. | .. | 688 | 803 |
| Stations operated by other bodies | 1,261 | 1,473 | 1,841 | 2,042 |
| Total input to system | .. | .. | 36,139 | 37,804 |

Source: State Electricity Commission of Victoria: *Annual Report*.

TABLE 7.27 PRINCIPAL PETROLEUM PRODUCTS MARKETED, VICTORIA
(megalitres)

| Item | 1987-88 | 1988-89 | 1989-90 |
|------------------------|--------------|--------------|--------------|
| Aviation gasoline | 19 | 19 | 21 |
| Motor spirit - | | | |
| Super | 3,994 | 3,779 | 3,517 |
| Unleaded | 668 | 974 | 1,301 |
| Total | 4,663 | 4,773 | 4,817 |
| Aviation turbine fuel | 557 | 549 | 541 |
| Heating oil | 39 | 35 | 32 |
| Automotive distillate | 1,534 | 1,705 | 1,762 |
| Industrial diesel fuel | 104 | 106 | 81 |
| Fuel oil | 359 | 367 | 373 |
| Grand total (a) | 7,274 | 7,568 | 7,606 |

(a) Other petroleum fuels including refinery oil are no longer included as principal petroleum products marketed.

Source: Australian Bureau of Agricultural and Resource Economics: *Quarterly Mineral Statistics*

TABLE 7.28 REFINING CAPACITY, VICTORIA, AT 1 JULY 1990

| <i>Refinery</i> | <i>Location in Victoria and year refinery came on stream</i> | <i>Primary processing capacity (a)</i> |
|--|--|---|
| Shell Refining (Australia) Pty Ltd | Corio near Geelong 1954 | 110,000 to 132,000 BSD (5,000,000 tonnes/year) |
| Shell Lubricating oil plant | Corio near Geelong 1954 | 3,000 BSD (145,000 tonnes/year) |
| Petroleum Refineries (Australia) Pty Ltd | Altona near Melbourne 1949 | 108,000 BSD (5,000,000 tonnes/year) |

(a) BSD: barrels per stream day.

Source: Australian Institute of Petroleum Ltd: *Oil and Australia*.

REFERENCES

Data sources

The latest year for which ABS estimates are available for gross product at factor cost is 1988-89. However, State details are restricted because G.D.P. by industry excludes the general government gross operating surplus component.

Major sources of manufacturing data are the Censuses of Manufacturing Establishments which have been conducted in Victoria since 1901, and the monthly surveys of selected manufacturing production. No Manufacturing Census was conducted for the year 1985-86.

Manufacturing statistics collected since 1968-69 are classified by industry according to Division C of the Australian Standard Industrial Classification (ASIC). Division C broadly relates to the physical or chemical transformation of materials or components into new products, whether the work is performed by power driven machines or by hand.

ABS publications

Census of Manufacturing Establishments: Summary of Operations by Industry Subdivision, Australia, Preliminary (8201.0)

Manufacturing Establishments: Summary of Operations by Industry Class, Australia (8202.0)

Manufacturing Establishments: Selected Items of Data by Industry and Employment Size, Victoria (8202.2)

Manufacturing Establishments: Details of Operations by Industry Class, Australia (8203.0)

Manufacturing Establishments: Small Area Statistics, Victoria (8203.2)

Manufacturing, Victoria 1968-69 to 1987-88, Economic Statistics Report (8206.2)

Manufacturing Establishments: Details of Operations, Victoria (8291.2)

Production Bulletins (8357.0 - 8368.0)

Manufacturing, Victoria (8207.2)

Non-ABS publications

Department of the Treasury, Victoria, estimates of State Accounts compiled by the Policy and Statistics Division.

8 Commerce



INTRODUCTION

This Chapter covers retail trade; price indexes; external trade, both imports and exports; and household expenditure surveys. It also contains details of the 1986-87 Service Industry Survey, which covered ten industries, and the 1987-88 Service Industry Survey, which covered an additional twelve industries.

RETAIL TRADE: 1985-86 RETAIL CENSUS

Over the six year period from 1979-80 to 1985-86 the retail industry in Victoria grew significantly, with a 19 per cent increase in employment and a 24 per cent increase in turnover (measured at constant prices). These percentage increases were more than three times greater than the increase in Victoria's resident population (6 per cent).

Retail turnover rose from \$5,389 per head of population to \$6,274 per head over the six year period.

The increase in the number of retail establishments operating in Victoria was less significant, rising by only 6 per cent. This relatively small increase, compared with the significant increases in turnover and employment, suggests that the retail sector underwent structural change during this period.

TABLE 8.1 RETAIL ESTABLISHMENTS: SUMMARY OF OPERATIONS BY INDUSTRY GROUP, VICTORIA 1985-86

| Asic code | Industry group | Establishments at 30 June | Persons employed at 30 June ('000) | Wages and salaries (\$m) | Retail sales (\$m) | Turnover (\$m) | Value added (\$m) | Total floor space ('000m ²) |
|-----------|--|---------------------------|------------------------------------|--------------------------|--------------------|-----------------|-------------------|---|
| 481 | Department and general stores | 131 | 25.3 | 302.0 | 1,685.5 | 1,784.4 | 534.6 | 829 |
| 484 | Clothing, fabrics and furniture stores | 7,714 | 31.6 | 306.7 | 2,430.7 | 2,483.9 | 692.6 | 1,523 |
| 485 | Household appliance and hardware stores | 4,070 | 17.7 | 178.7 | 1,524.0 | 1,759.2 | 428.9 | 834 |
| 486 | Motor vehicle dealers, petrol and tyre retailers | 9,270 | 52.2 | 637.1 | 7,064.1 | 11,466.8 | 1,863.5 | n.a. |
| 488 | Food stores | 13,520 | 93.2 | 687.6 | 6,485.3 | 6,549.0 | 1,271.0 | 2,305 |
| 489 | Other retailers | 7,191 | 29.4 | 210.5 | 1,870.1 | 1,934.8 | 583.1 | 1,195 |
| | Total | 41,896 | 249.5 | 2,322.6 | 21,059.7 | 25,978.2 | 5,373.7 | n.a. |

Employment

In June 1986, more than one third (36 per cent) of people working in the Victorian retail sector were employed on a part-time basis, i.e. they worked less than 35 hours per week.

Females made up 51 per cent of the retail sector's employees (compared with 49 per cent at June 1980).

Twenty-seven per cent of retail staff in June 1986 were employed as casuals, i.e. they were not eligible for paid leave, but received pro rata holiday pay for each hour worked.

Working proprietors made up 18 per cent of total retail employment during this period. In some industries, the proportion of working proprietors was much higher. For example, more than 40 per cent of persons working in Second hand goods stores, Fruit and vegetable stores, and Other goods stores were proprietors. These figures illustrate the important contribution that working proprietors make to the retail sector.

Significance of Small Businesses

Of all industries, Retailing is the largest in terms of small business. For non-manufacturing industries, small businesses are defined as having fewer than 20 employees.

In 1985-86, there were about 36,000 small businesses in the Victorian retail sector, with a turnover of over \$12 billion. This volume was about 53 per cent of total retail turnover in Victoria. Small business employed over 136,000 people, which was 62 per cent of retail employment.

According to the Survey of Employment and Earnings conducted by the ABS, the number of persons employed by small retail businesses increased by 30 per cent between 1983-84 and 1989-90, from 71,300 to 92,900. The major component of this increase was in the 10-19 employer size group, where the number of persons employed increased from 19,300 to 29,500, an increase of 53 per cent.

TABLE 8.2 RETAIL INDUSTRY: SMALL BUSINESS SUMMARY TABLES: AVERAGE NUMBER OF PERSONS EMPLOYED BY EMPLOYER SIZE, VICTORIA

| Period | Persons working in own business | | Employer size group | | | | | All employees |
|--------------------|---------------------------------|-----------|---------------------|-------|-------|-------|-------------|---------------|
| | Self employed | Employers | 1-9 | 10-19 | 20-49 | 50-99 | 100 or more | |
| | '000 | | | | | | | |
| 1983-84 | 27.6 | 23.4 | 52.0 | 19.3 | 19.6 | *7.1 | 77.7 | 175.7 |
| 1988-89 | 26.2 | 25.8 | 65.8 | 27.6 | 22.7 | 11.9 | 102.1 | 230.0 |
| 1989-90 | 27.6 | 21.8 | 63.4 | 29.5 | 18.9 | 13.9 | 96.0 | 221.8 |
| | Average annual rate of change | | | | | | | |
| | Per cent | | | | | | | |
| 1983-84 to 1989-90 | - | -1.2 | 3.3 | 7.4 | -0.6 | 12.0 | 3.6 | 4.0 |

Source: Small Business in Australia (Cat. No. 1321.0)

The significance of small businesses varied between retail industries. Grocers, confectioners and tobacconists, and New motor vehicle dealers were predominantly large businesses, while by definition, Department stores employ 50 or more people. These three industries generated 52 per cent of Victoria's retail turnover in 1985-86, and employed 41 per cent of all persons employed in the retail industry.

In almost all other retail industry classes, small businesses employed the greater percentage of persons, and generated the greater proportion of turnover. Small businesses in the Fabrics and household textiles industry class employed 83 per cent of persons and generated 77 per cent of the turnover. For Bread and cake stores, the figures were 97 per cent and 98 per cent respectively.

Industry Analysis

The retail sector is divided into six industry groups as shown in Table 8.1. In 1985-86, the largest of these retail industry groups, in terms of turnover, was the Motor vehicle, petrol, and tyre retailers group, accounting for 44 per cent of total Victorian retail turnover.

The Food stores group, however, accounted for the largest proportion of retail establishments and employment, 32 and 37 per cent, respectively.

The following table highlights changes in the relative significance of these six industry groups. During the period between 1979-80 and 1985-86, turnover for the Household appliance and hardware group increased by 52 per cent at constant prices. This was more than double the percentage increase recorded by the retail industry as a whole.

The major contributors to this increase were music stores, which showed a 73 per cent increase, and household appliance stores, which showed an 88 per cent increase over this period. These increases reflect changing consumer demand for musical entertainment and electrical appliances.

TABLE 8.3 RETAIL INDUSTRY: NUMBER OF ESTABLISHMENTS, EMPLOYMENT AND TURNOVER, PERCENTAGE CHANGE BETWEEN 1979-80 AND 1985-86, VICTORIA

| <i>Industry group</i> | <i>Number of establishments</i> | <i>Employment</i> | <i>Turnover (at average 1985-86 prices)</i> |
|--|---------------------------------|-------------------|---|
| Department and general stores | -39.4 | 13.5 | 22.5 |
| Clothing, fabrics and furniture stores | 5.8 | 17.2 | 30.0 |
| Household appliance and hardware stores | 42.6 | 40.0 | 51.9 |
| Motor vehicle dealers, petrol and tyre retailers | 12.8 | 10.1 | 30.5 |
| Food stores | -4.1 | 21.9 | 7.9 |
| Other retailers | 3.6 | 23.7 | 18.5 |
| Total | 5.7 | 19.0 | 23.6 |

Monthly retail trade survey: 1990-91

In November 1990, the ABS released preliminary National Accounts figures which showed that for two consecutive quarters Australia experienced negative rates of real growth (i.e. adjusted for inflation) in Gross Domestic Product. This indicated that the Australian economy was technically in a recession.

Economic indicators that usually accompany a recession include increased unemployment, a reduction in manufacturing output and a decline in retail trade.

Since 1987-88, the rate of growth of retail turnover in Victoria has been declining at a greater rate than the Australian average, in terms of both trend estimates and original figures.

In 1990-91, Victoria experienced negative annual growth rates of 1.2 per cent in the trend estimate of Retail turnover and 1.6 per cent in original figures. The difficulties experienced by retailers during the 1990-91 financial year were compounded by the 5.7 per cent increase in the CPI for Melbourne. During the same period, trend estimates of turnover for Australia increased by 3.2 per cent.

TABLE 8.4 TURNOVER OF RETAIL ESTABLISHMENTS (EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.) AT CURRENT PRICES: BY INDUSTRY, VICTORIA (a)
(\$m)

| <i>Industry group</i> | <i>1985-86</i> | <i>1986-87</i> | <i>1987-88</i> | <i>1988-89</i> | <i>1989-90</i> | <i>1990-91</i> |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Grocers, confectioners, tobacconists | 4,984.1 | 5,366.6 | 5,583.5 | 6,142.1 | 6,674.3 | 6,979.2 |
| Butchers | 498.6 | 495.8 | 479.9 | 492.4 | 537.7 | 550.0 |
| Other food stores | 838.4 | 1,109.6 | 1,291.2 | 1,410.9 | 1,473.2 | 1,408.5 |
| Hotels, liquor stores, licensed clubs | 1,879.8 | 1,994.5 | 2,206.8 | 2,200.4 | 2,204.6 | 2,138.4 |
| Cafes and restaurants | n.a. | n.a. | n.a. | 969.5 | 1,228.1 | 1,120.3 |
| Clothing and fabrics stores | 1,962.2 | 2,051.7 | 2,179.5 | 2,092.2 | 1,749.7 | 1,715.8 |
| Department and general stores | 1,762.9 | 1,925.7 | 2,085.2 | 2,173.0 | 2,278.6 | 2,251.3 |
| Footwear stores | 224.0 | 274.7 | 306.5 | 282.1 | 270.2 | 302.2 |
| Domestic hardware stores, jewellers | 658.7 | 798.6 | 921.1 | 934.4 | 914.2 | 878.2 |
| Electrical goods stores | 932.0 | 977.1 | 1,029.0 | 1,210.1 | 1,472.9 | 1,324.7 |
| Furniture stores | 559.1 | 561.0 | 543.3 | 501.5 | 472.8 | 451.3 |
| Floor coverings stores | 187.7 | 214.7 | 229.9 | 221.6 | 202.9 | 141.5 |
| Chemists | 458.5 | 528.5 | 599.3 | 653.6 | 722.7 | 710.7 |
| Newsagents | 667.2 | 677.1 | 677.9 | 667.1 | 806.4 | 696.2 |
| Other | n.a. | n.a. | n.a. | 1,157.6 | 1,193.4 | 1,171.2 |
| Total | 17,096.2 | 18,719.5 | 19,972.2 | 21,108.3 | 22,202.2 | 21,839.5 |

(a) Prior to June 1988 these series reflect retail sales adjusted to turnover.

A clearer picture of Retail Trade can be obtained by looking at trend estimates of monthly turnover rather than original figures. Trend estimate series have been adjusted to take account of three factors:

- (i) seasonal influences, (ii) trading-day effects, and (iii) residual irregular factors.

Retail Trade statistics are appreciably affected by seasonal influences and trading day effects. November and, to a much greater extent, December are seasonally high months due to the increased retail trade associated with the pre-Christmas period. There is a compensating downwards movement in January. January is the seasonally lowest month in Retail Trade, although over recent years it has become somewhat less so.

Trading-day effects include the number of trading days, and the number of occurrences of each day of the week in a given month. For example, Thursdays, Fridays and Saturdays are high activity days for Retail Trade.

Industry Analysis using Trend Estimates of turnover

In Victoria the effects of the decline in retail turnover in 1990-91 were not distributed evenly across all industries. Eleven of the fifteen retail industries included in the monthly retail trade survey experienced negative growth.

Compared with the previous year, turnover of Floor coverings stores in Victoria dropped by a significant 29.3 per cent in terms of trend estimates. Taking a longer term view, turnover generated by this industry has been declining each year since 1987-88. A major reason for this decrease has been the decline in the

number of new homes completed and renovations undertaken. For example, actual new homes completed in Victoria fell by 25 per cent in the March quarter 1991 when compared with the corresponding quarter in 1990. In 1990-91, Australian turnover by Floor coverings stores decreased by only 3.7 per cent.

Other Victorian industries to experience significant negative growth in trend estimates of turnover include Newsagents (-13.4 per cent), Electrical goods stores (-9.6 per cent), Furniture stores (-4.8 per cent) and Other food stores (-4.8 per cent).

Footwear stores experienced the largest growth in trend estimates of turnover (11.6 per cent), whilst Clothing and fabric stores experienced a decline (-1.3 per cent). Possible reasons for this disparity include the mild winter and an increased tendency during a recession to wear clothes for an extra year, resulting in a drop in clothing sales. On the other hand, shoe fashions changed over this twelve month period resulting in increased sales.

Department and general stores achieved an increase in trend estimates of turnover of only 0.1 per cent.

Trend estimates show that retail turnover in Victoria was in decline for most of 1990. Zero growth was experienced during December of that year.

January, a month known for its post-Christmas sales, showed some improvement in 1991. There was continuing growth in trend estimates of turnover during the final months of 1990-91, although the growth was very weak.

By comparison, Australia did not experience any monthly declines in trend estimates of turnover. However, the annual growth in turnover dropped from 8.4 per cent in 1989-90 to 3.2 per cent in 1990-91.

**TURNOVER OF RETAIL AND SELECTED SERVICE ESTABLISHMENTS,
MONTHLY PERCENTAGE CHANGE IN TREND ESTIMATES AT
CURRENT PRICES, VICTORIA AND AUSTRALIA, 1989-90**

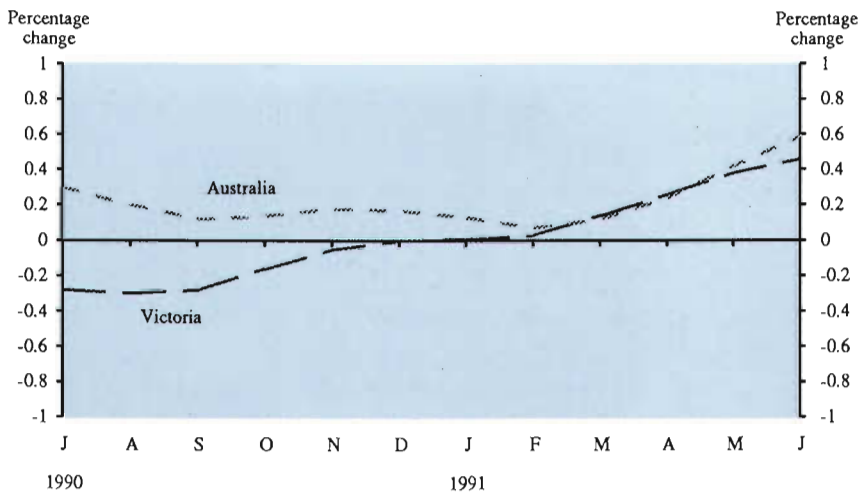


TABLE 8.5 RETAIL TURNOVER: PERCENTAGE CHANGE IN TREND ESTIMATES BY INDUSTRY, VICTORIA, 1989-90 TO 1990-91

| <i>Industry</i> | <i>Percentage change</i> | <i>Industry</i> | <i>Percentage change</i> |
|--|--------------------------|--------------------------------------|--------------------------|
| Floor coverings stores | -29.3 | Clothing and fabric stores | -1.3 |
| Newsagents | -13.4 | Chemists | -0.5 |
| Electrical goods stores | -9.6 | Department and general stores | 0.1 |
| Furniture stores | -4.8 | Butchers | 2.7 |
| Other food stores | -4.8 | Grocers, confectioners, tobacconists | 5.1 |
| Domestic hardware stores, jewellers | -3.0 | Footwear stores | 11.6 |
| Hotels, liquor stores, licensed clubs | -2.8 | Total | -1.2 |

Retail Employment

Employment in the Victorian retail sector declined almost every quarter between February 1990 and May 1991. In May 1991, the number of persons employed in retailing was 279,700, a decrease of over 24,000 persons when compared with May 1990.

Female employment was affected more by this reduction than was male employment. Almost half (11,100) of the job losses were full-time female positions. Full-time male employment dropped by only 400 over the same period. In May 1990, females constituted 38.3 per cent of full-time retail employees. This proportion dropped to 34.6 per cent in May 1991.

The number of part-time employees dropped by 11.3 per cent (13,000). Again the majority (57 per cent) of these job losses were borne by females.

TABLE 8.6 EMPLOYED PERSONS IN RETAIL INDUSTRY, VICTORIA

| | <i>Males</i> | <i>Females</i> | <i>Persons</i> |
|----------|--------------|----------------|----------------|
| Feb 1989 | 145,300 | 148,900 | 294,300 |
| May 1989 | 146,100 | 145,600 | 291,800 |
| Aug 1989 | 137,300 | 150,100 | 287,400 |
| Nov 1989 | 142,800 | 152,700 | 295,500 |
| Feb 1990 | 155,800 | 153,400 | 309,200 |
| May 1990 | 150,100 | 154,000 | 304,100 |
| Aug 1990 | 151,100 | 151,400 | 302,500 |
| Nov 1990 | 148,600 | 156,200 | 304,800 |
| Feb 1991 | 143,900 | 150,800 | 294,700 |
| May 1991 | 144,100 | 135,600 | 279,700 |

Retail trading hours

In its 1990/91 Annual Report, the Retail Traders Association of Victoria highlighted the contentious issue of retail trading hours in Victoria. In June 1991, the Victorian Premier proposed key changes to the shop trading legislation to allow all retail stores in the metropolitan area to trade on ten Sundays each year - from 10-00 a.m. to 5-00 p.m. All hardware stores, irrespective of size, would be able to trade on any Sunday.

An analysis of ABS retail trade data shows that the extension of trading hours over recent years has not resulted in a discernible change in the total dollar value of monthly retail trade.

Retail Profits

Seasonally adjusted figures showing company profits for the retail sector highlight a significant downturn in 1990-91, compared with previous years.

The survey of company profits is designed to measure profits, depreciation, and net interest paid by companies in the private sector in Australia (state figures are not available). The data relates to companies employing more than 30 people: such businesses, however, account for approximately 74 per cent of company profit in the retail sector and therefore these figures should be used with care.

TABLE 8.7 COMPANY PROFITS BEFORE INCOME TAX, NET INTEREST PAID AND DEPRECIATION, SEASONALLY ADJUSTED SERIES, AUSTRALIA

| | 1988-89 | | 1989-90 | | 1990-91 | |
|-------|-----------|-------------------|-----------|-------------------|-----------|-------------------|
| | \$million | Percentage change | \$million | Percentage change | \$million | Percentage change |
| Sept. | 355 | 13.4 | 374 | 6.9 | 226 | -44.7 |
| Dec. | 312 | -12.1 | 300 | -19.8 | 257 | 13.7 |
| Mar. | 399 | 27.9 | 393 | 31 | 42 | -83.7 |
| June | 350 | -12.3 | 409 | 4.1 | 187 | 345.2 |

PRICE INDEXES

Prices Indexes in general

Price Indexes are designed to measure the changes in prices over time of a constant list of goods and/or services. The items on this list are allocated 'weights' which represent their relative consumer importance. From time to time indexes are reviewed and new fixed weights are introduced to reflect up-to-date expenditure patterns.

Prices of all goods and services are sought to be measured at constant quality, thus identifying 'pure' price movement. To do this, identical or equivalent items are priced in successive time periods as far as possible. However, products do change; their components or ingredients may change, resulting in an improvement or degradation in quality. Changes in quality are taken into account to ensure that the price indexes reflect only pure price change.

Because it would be impossible to conduct a continuous census to obtain prices for every item, a representative sample of items is priced. Prices for items not collected are assumed to move in a similar way to those items for which prices are collected. Suppliers of the prices included as part of the sample are assumed to have similar pricing policies as (and the prices of their goods and services would be expected to move in the same way as) suppliers of prices not in the sample (although actual price levels may be different). Price indexes measure price movements, not actual price levels.

Introduction to the Consumer Price Index

The Consumer Price Index is sometimes referred to as a measure of inflation, a measure of changes in purchasing power or a measure of changes in the cost of living. It is in fact, 'a measure of change, over time, in the retail prices of a constant basket of goods and services'. The basket represents the purchases made by metropolitan employee households in the base period. Employee households are defined as

those which obtain at least three-quarters of their total income from wages and salaries, excluding the top 10 percent (in terms of income) of such households. Pensioners households are excluded.

As well as giving the information needed to select items to be included in the CPI, household expenditure survey figures also show the relative importance of each item to the total spending on all items. The weighting pattern for the Consumer Price Index as at December quarter 1986 (Eleventh Series) is as follows:

| <i>Percentage contribution to the All Groups CPI.</i> | | | |
|---|-----------------|--------------------------|-----------------|
| <i>Group</i> | <i>Per cent</i> | <i>Group</i> | <i>Per cent</i> |
| Food | 19.013 | Transportation | 17.025 |
| Clothing | 6.898 | Tobacco and alcohol | 8.173 |
| Housing | 14.062 | Health and personal care | 5.596 |
| Household equipment and operation | 18.429 | Recreation and education | 18.804 |
| | | Total All Groups | 100.000 |

In 1990-91, the Consumer Price Index for Melbourne stood at 215.3 (base year 1980-81 = 100.0). This figure represented an increase of 5.7 per cent over the previous year and a rise of 43.7 per cent over the past five years. By comparison, the weighted average of the eight Australian capital cities was 213.0, which was an annual rise in the CPI of 5.3 per cent and a five yearly increase of 43.2 per cent.

During 1990-91 the largest price rises were in health and personal care (11.7 per cent), tobacco and alcohol (11.3 per cent) and Transport (7.1 per cent). The lowest price increases applied to food (2.5 per cent), housing (4.2 per cent), and clothing (4.6 per cent).

Negative movement in March quarter CPI.

The Consumer Price Index fell by 0.2 per cent nationally, (Melbourne -0.5 per cent), between the December quarter 1990 and March quarter 1991. This was the first negative movement since the March quarter 1984 and only the second since the December quarter 1963.

The main reason for this decrease in the March quarter was a 15.4 per cent fall in petrol prices following the end of the Gulf crisis. Petrol prices had increased 20.8 per cent nationally (Melbourne 24.2 per cent) in the preceding quarter.

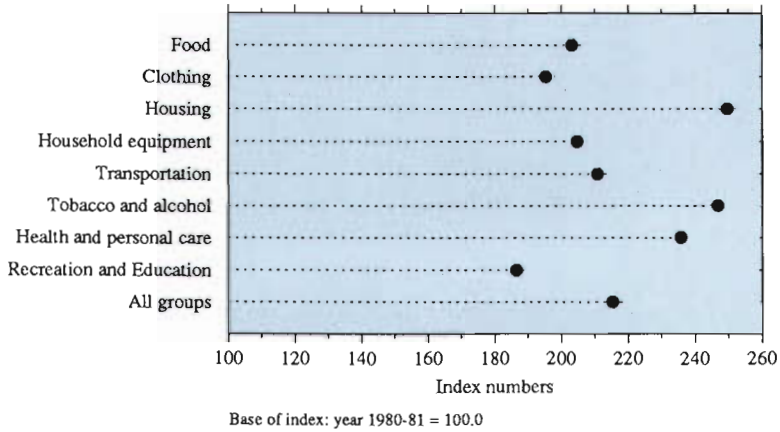
Petrol (automotive fuel) is a subgroup of the Transportation group.

TABLE 8.8 CONSUMER PRICE INDEX, ALL GROUPS, EIGHT CAPITAL CITIES
(Base year: 1980-81 = 100.0)

| <i>Year</i> | <i>Eight capitals (a)</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> |
|-------------|---------------------------|---------------|------------------|-----------------|-----------------|--------------|---------------|---------------|-----------------|
| 1985-86 | 148.7 | 147.5 | 149.8 | 149.0 | 150.2 | 147.1 | 147.9 | 146.2 | 150.8 |
| 1986-87 | 162.6 | 161.4 | 163.9 | 161.8 | 164.0 | 161.8 | 162.5 | 159.3 | 163.4 |
| 1987-88 | 174.5 | 173.7 | 175.9 | 173.1 | 175.0 | 173.3 | 174.4 | 170.6 | 174.7 |
| 1988-89 | 187.3 | 187.7 | 187.9 | 185.4 | 187.8 | 186.1 | 185.3 | 178.9 | 186.4 |
| 1989-90 | 202.3 | 203.0 | 203.6 | 199.3 | 201.2 | 201.7 | 198.3 | 190.0 | 200.2 |
| 1990-91 | 213.0 | 213.0 | 215.3 | 209.1 | 213.6 | 211.9 | 208.0 | 200.8 | 210.4 |

(a) Weighted average of eight capital cities.

CONSUMER PRICE INDEX, MELBOURNE 1990-91



AUTOMOTIVE FUEL, WEIGHTED AVERAGE OF EIGHT CAPITAL CITIES, PERCENTAGE CHANGE FROM PREVIOUS QUARTER, VICTORIA AND AUSTRALIA

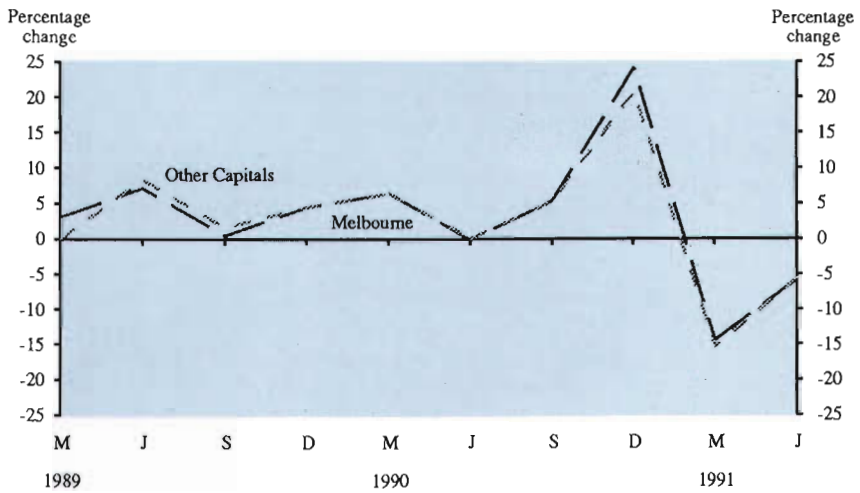


TABLE 8.9 CONSUMER PRICE INDEX, MELBOURNE
(Base year: 1980-81 = 100.0)

| Group | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 | 1990-91 | Percentage increase | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------|--------------------|
| | | | | | | | 1985-86 to 1990-91 | 1989-90 to 1990-91 |
| Food | 146.3 | 158.9 | 167.7 | 184.1 | 198.2 | 203.2 | 38.9 | 2.5 |
| Clothing | 138.4 | 151.6 | 164.0 | 176.8 | 186.7 | 195.3 | 41.1 | 4.6 |
| Housing | 163.3 | 175.6 | 185.8 | 206.1 | 239.7 | 249.7 | 52.9 | 4.2 |
| Household equipment | 150.0 | 162.0 | 173.6 | 181.8 | 193.7 | 204.7 | 36.5 | 5.7 |
| Transport | 149.3 | 165.5 | 179.3 | 184.0 | 196.9 | 210.9 | 41.3 | 7.1 |
| Tobacco and alcohol | 163.1 | 178.7 | 192.9 | 204.6 | 221.8 | 246.8 | 51.3 | 11.3 |
| Health and personal care | 141.3 | 164.2 | 181.9 | 198.5 | 211.1 | 235.7 | 66.8 | 11.7 |
| Recreation and Education | 131.8 | 144.5 | 156.0 | 164.5 | 176.1 | 186.4 | 41.4 | 5.8 |
| All groups | 149.8 | 163.9 | 175.9 | 187.9 | 203.6 | 215.3 | 43.7 | 5.7 |

TABLE 8.10 CONSUMER PRICE INDEX, EIGHT CAPITAL CITIES (a)
(Base year: 1980-81 = 100.0)

| Group | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 | 1990-91 | Percentage increase | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------|--------------------|
| | | | | | | | 1985-86 to 1990-91 | 1989-90 to 1990-91 |
| Food | 144.7 | 156.3 | 164.5 | 179.9 | 192.7 | 199.0 | 37.5 | 3.3 |
| Clothing | 139.0 | 152.3 | 164.2 | 175.9 | 185.0 | 193.5 | 39.2 | 4.6 |
| Housing | 153.4 | 164.8 | 176.2 | 198.4 | 228.2 | 236.3 | 54.0 | 3.5 |
| Household equipment | 150.2 | 161.2 | 172.4 | 182.2 | 192.2 | 201.9 | 34.4 | 5.0 |
| Transport | 155.5 | 172.9 | 186.4 | 193.7 | 209.2 | 223.5 | 43.7 | 6.8 |
| Tobacco and alcohol | 165.1 | 182.5 | 197.8 | 209.1 | 226.4 | 246.3 | 49.2 | 8.8 |
| Health and personal care | 133.0 | 154.4 | 171.9 | 186.3 | 199.7 | 218.9 | 64.6 | 9.6 |
| Recreation and Education | 129.5 | 141.5 | 152.6 | 162.1 | 172.1 | 180.7 | 39.5 | 5.0 |
| All groups | 148.7 | 162.6 | 174.5 | 187.3 | 202.3 | 213.0 | 43.2 | 5.3 |

(a) Weighted average of eight capital cities.

AVERAGE RETAIL PRICES

Average retail prices of selected items are collected in each capital city for inclusion in the Consumer Price Index. The prices are the averages of prices for specified grades, qualities, brands etc. charged by a number of selected retailers in each metropolitan area. The specified brands etc. and the retailers are selected as representative to measure price change over time. The prices should be regarded as no more than approximate indicators of price levels and price movements, and not the actual averages of all retail sales of these items.

In the June quarter 1991, compared with the corresponding quarter in 1990, a variety of items were actually lower in price. The per kilogram average price of a leg of lamb dropped by thirty cents to \$5.15 and a two kilogram packet of white sugar decreased by twenty-eight cents to \$1.89.

A 680 gram loaf of white, sliced bread bought from a supermarket, however, increased in price by eighteen cents to \$1.55 and a 500 gram container of poly-unsaturated margarine increased by twelve cents to \$1.56.

Frozen chicken has been dropping in price since the June quarter 1989. Similarly, a 150 gram jar of instant coffee has continued to drop in price since 1986. The following table shows average retail prices for the years 1986 to 1991.

TABLE 8.11 AVERAGE RETAIL PRICES OF SELECTED FOOD AND OTHER ITEMS, MELBOURNE
(cents)

| Item | Unit | June quarter | | | | | |
|--|------------------|--------------|-------|-------|-------|-------|-------|
| | | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 |
| Dairy products | | | | | | | |
| Milk, carton, supermarket sales | 1 litre | 71 | 75 | 76 | 80 | 82 | 85 |
| Cheese, processed, sliced, wrapped | 500g | 212 | 227 | 242 | 246 | 286 | 315 |
| Butter | 500g | 161 | 173 | 178 | 193 | 209 | 209 |
| Cereal products- | | | | | | | |
| Bread, white loaf, sliced, supermarket sales | 680g | 95 | 106 | 112 | 111 | 127 | 137 |
| Flour, self-raising | 2kg | 184 | 199 | 218 | 235 | 239 | 284 |
| Rice, medium grain | 1kg | 76 | 82 | 88 | 96 | 92 | 103 |
| Meat and Seafoods | | | | | | | |
| Beef- | | | | | | | |
| Rump steak | 1kg | 798 | 824 | 836 | 950 | 1,080 | 1,153 |
| Chuck steak | 1kg | 454 | 434 | 470 | 515 | 598 | 619 |
| Lamb- | | | | | | | |
| Leg | 1kg | 354 | 376 | 425 | 479 | 506 | 545 |
| Loin chops | 1kg | 456 | 484 | 575 | 630 | 709 | 780 |
| Chicken, frozen | 1kg | 271 | 300 | 298 | 303 | 326 | 312 |
| Bacon, middle rashers | 250g pkt. | 238 | 234 | 232 | 240 | 273 | 289 |
| Salmon, pink | 210gm can | 179 | 173 | 217 | 262 | 343 | 279 |
| Fruit and vegetables | | | | | | | |
| Potatoes | 1kg | 65 | 65 | 77 | 110 | 99 | 85 |
| Onions | 1kg | 58 | 80 | 99 | 101 | 109 | 79 |
| Peaches, canned | 825g | 138 | 135 | 153 | 160 | 185 | 183 |
| Oranges | 1kg | 96 | 103 | 119 | 172 | 122 | 130 |
| Other food- | | | | | | | |
| Eggs | 55g dozen | 179 | 161 | 174 | 192 | 178 | 180 |
| Sugar, white | 2kg | 187 | 150 | 160 | 174 | 217 | 189 |
| Jam, strawberry | 500g jar | 147 | 180 | 182 | 193 | 212 | 230 |
| Tea | 250g | 143 | 145 | 146 | 145 | 164 | 172 |
| Coffee, instant | 150g jar | 590 | 501 | 495 | 474 | 454 | 431 |
| Margarine, poly-unsaturated | 500g | 126 | 130 | 120 | 139 | 144 | 156 |
| Other items- | | | | | | | |
| Beer, full strength, unchilled | 12x750ml bottles | 1,674 | 1,860 | 1,897 | 1,816 | 1,936 | 2,144 |
| Pet food | 415g | 69 | 72 | 78 | 79 | 84 | 80 |
| Laundry detergent | 1kg | 326 | 351 | 372 | 398 | 439 | 437 |
| Toilet soap | 2 x 125 gm | 114 | 120 | 134 | 132 | 150 | 151 |
| Petrol, super grade | 1 litre | 48.8 | 54.1 | 52.3 | 55.2 | 61.7 | 65.1 |

HOUSE PRICE INDEXES

These indexes provide estimates of changes in housing prices for the eight capital cities. They measure price movements over time in each city. They do not measure differences in price levels between cities.

Separate price indexes exist from 1985-86 for project homes and for established houses. Price information for project homes is obtained at the end of each quarter from a sample of project home builders in the metropolitan area. Sale prices of established homes are obtained from real estate organisations and government agencies and relate to actual sales transacted during the quarter.

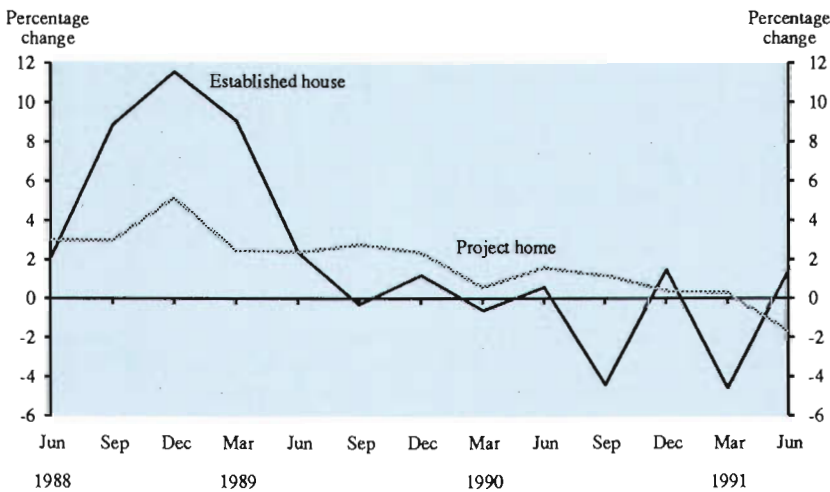
In 1990-91 the Project Home Index for Melbourne was 137.2, an increase of 3.2 per cent over the previous year. For Australia, the increase was 2.1 per cent.

TABLE 8.12 HOUSE PRICE INDEXES: EIGHT CAPITAL CITIES AND AUSTRALIA (a)
(Base of each index: September quarter 1986=100.0)

| | Established houses | | | Project homes | | |
|---------------|--------------------|---------|---------|---------------|---------|---------|
| | 1988-89 | 1989-90 | 1990-91 | 1988-89 | 1989-90 | 1990-91 |
| Melbourne | 142.0 | 155.4 | 148.0 | 121.0 | 132.9 | 137.2 |
| Sydney | 176.9 | 185.9 | 186.8 | 139.6 | 152.8 | 157.3 |
| Brisbane | 135.9 | 157.7 | 180.3 | 135.9 | 152.6 | 159.1 |
| Adelaide | 111.2 | 121.8 | 129.4 | 110.7 | 115.1 | 120.3 |
| Perth | 153.6 | 172.6 | 163.7 | 134.2 | 143.0 | 131.5 |
| Hobart | 116.1 | 124.6 | 132.4 | 114.9 | 122.9 | 130.8 |
| Canberra | 121.3 | 129.2 | 138.6 | 109.4 | 119.4 | 132.1 |
| Darwin | 100.4 | 101.6 | 110.0 | 116.2 | 137.8 | 145.1 |
| Australia (a) | 149.9 | 162.6 | 163.9 | 129.2 | 141.3 | 144.3 |

a) Weighted average of eight capital cities.

**ESTABLISHED HOUSE AND PROJECT HOME PRICE INDEXES:
PERCENTAGE CHANGE FROM PREVIOUS QUARTER,
MELBOURNE AND AUSTRALIA**



The Established House Price Index for Melbourne in 1990-91 was 148.0 (base year September quarter 1986 = 100.0). This figure represented a significant decrease of 4.8 per cent over the previous year. By comparison, the figure for Australia increased by 0.8 per cent over the same period.

The graph on page 181 shows price increases for established houses in Melbourne peaking in the December quarter 1988. Since the beginning of 1989, price increases have declined. 1990-91 saw the first annual decrease in price since the index was first compiled in 1986-87.

PRODUCER AND FOREIGN TRADE INDEXES

Overview

During the nineteen sixties, the ABS began producing a range of price indexes covering materials used and articles produced by defined sectors of the Australian economy. The following producer price indexes (previously known as Wholesale Prices Indexes) are now published monthly: Price Index of Materials Used in House Building; Price Index of Materials Used in Building Other Than House Building; Price indexes of Materials Used in Manufacturing Industries; Price Indexes of Articles Produced by Manufacturing Industry; Price Indexes of Copper Materials; and Price Indexes Used in Coal Mining. Only the Building Indexes are produced on a State basis.

The Price Indexes of Materials Used in Coal Mining was introduced in February 1989 and covered the period July 1987 to November 1988. This Index measures price movements of materials used in the mining of coal. Indexes are published for materials used in underground mining and in open-cut mining.

The ABS also compiles price indexes for merchandise imported into and exported from Australia. The Import Price Index is released quarterly while the Export Price Index is monthly. The first issue of the Import Price Index was released in May 1983 and covers the period September quarter 1981 to December quarter 1982. The current Export Price Index was introduced in July 1979, although prior to this an annual index of export prices was published dating back to 1901. Both the Import Price Index and the Export Price Index are produced on a national basis only.

Materials used in house building

The two building materials indexes are published for each of the six state capital cities and Canberra. In 1990-91, the Price Index of Materials Used in House Building for Melbourne (base year 1985-86 = 100.0) was 138.1, an increase of 3.4 per cent over the previous year. This was the smallest increase in price movement in over four years. Two major materials used in house building, hardwood and cupboard and building furniture, actually dropped in price by about 2 per cent and 5 per cent respectively.

During the same period the weighted average of the six state capital cities rose to 142.1, an increase of 4.6 per cent.

Materials used in building other than house building

In 1990-91, the Materials Used in Building Other than House Building Index for Melbourne (base year 1979-80 = 100.0) was 238.0, an increase of 4.5 per cent over 1989-90. The weighted average of the six state capital cities and Canberra increased by 5.1 per cent, to stand at 243.7.

The largest increases since 1989-90 in Melbourne were the cost of paint (11.0 per cent), ready mixed concrete (7.4 per cent), steel windows, doors, louvres, etc (6.9 per cent) and reinforcing steel bar, mesh, etc. (6.7 per cent). Decreases occurred in structural steel (1.2 per cent), non-ferrous pipes (0.6 per cent) and aluminium windows (0.5 per cent).

TABLE 8.13 INDEX OF MATERIALS USED IN HOUSE BUILDING, MELBOURNE

(Base year: 1985-86 = 100.0)

| <i>Selected major materials</i> | 1986-87 | 1987-88 | 1988-89 | 1989-90 | 1990-91 |
|--|--------------|--------------|--------------|--------------|--------------|
| Ready mixed concrete | 102.3 | 104.8 | 116.3 | 121.1 | 133.7 |
| Clay bricks | 107.2 | 115.4 | 122.7 | 130.9 | 136.0 |
| Hardwood | 100.3 | 103.0 | 119.4 | 120.4 | 117.8 |
| Cupboard and building furniture | 107.8 | 120.5 | 130.2 | 132.6 | 126.4 |
| Aluminium windows and doors | 104.4 | 117.1 | 134.5 | 142.5 | 146.5 |
| Ceramic tiles | 103.3 | 107.3 | 107.8 | 107.3 | 110.3 |
| Paint | 111.2 | 115.5 | 125.1 | 143.4 | 158.4 |
| Toilets | 119.7 | 142.8 | 147.6 | 165.1 | 184.9 |
| Plaster and plaster products | 106.3 | 116.5 | 126.5 | 133.3 | 142.4 |
| All groups, Melbourne | 105.7 | 114.3 | 125.8 | 133.5 | 138.1 |
| All groups, weighted average of six state capital cities | 105.8 | 113.8 | 126.1 | 135.8 | 142.1 |

TABLE 8.14 PRICE INDEXES OF MATERIALS USED IN BUILDING OTHER THAN HOUSE BUILDING, MELBOURNE

(Base year: 1979-80 = 100.0)

| <i>Selected major materials</i> | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 | 1990-91 |
|---|---------|---------|---------|---------|---------|---------|
| Structural timber | 181.2 | 184.2 | 190.2 | 219.8 | 225.9 | 226.2 |
| Clay bricks | 198.7 | 213.7 | 233.8 | 248.5 | 264.8 | 274.8 |
| Ready mixed concrete | 152.3 | 156.3 | 159.7 | 176.0 | 183.7 | 197.3 |
| Precast concrete products | 154.0 | 161.0 | 173.1 | 185.2 | 204.4 | 212.0 |
| Galvanised steel decking, etc. | 135.8 | 142.0 | 155.5 | 175.2 | 195.0 | 202.8 |
| Structural steel | 150.5 | 160.4 | 175.5 | 195.0 | 210.4 | 207.9 |
| Reinforcing steel bar, mesh, etc. | 164.3 | 174.2 | 179.2 | 195.0 | 209.5 | 223.5 |
| Aluminium windows | 149.3 | 156.5 | 170.4 | 184.2 | 206.1 | 205.1 |
| Steel windows, doors, louvres, etc. | 157.5 | 169.8 | 180.5 | 209.6 | 233.4 | 249.5 |
| Builders' hardware | 187.3 | 201.9 | 212.1 | 233.1 | 246.5 | 259.4 |
| Paint | 193.8 | 215.7 | 231.0 | 249.3 | 282.0 | 312.9 |
| Non-ferrous pipes | 142.0 | 153.7 | 195.2 | 230.8 | 234.4 | 233.1 |
| All groups excluding electrical materials and mechanical services | 162.1 | 172.2 | 184.7 | 203.0 | 218.6 | 227.9 |
| All electrical materials | 165.4 | 188.4 | 222.0 | 254.4 | 274.5 | 294.7 |
| All mechanical services | 180.3 | 199.5 | 214.6 | 229.1 | 246.0 | 254.9 |
| All plumbing materials | 158.3 | 171.8 | 194.9 | 217.1 | 235.3 | 247.0 |
| All groups, Melbourne | 165.2 | 177.8 | 192.6 | 211.6 | 227.8 | 238.0 |
| All groups, weighted average of six state capital cities | 167.9 | 180.9 | 196.8 | 214.9 | 231.9 | 243.7 |

HOUSEHOLD EXPENDITURE SURVEYS

The 1988-89 Survey

The 1988-89 Household Expenditure Survey (HES) was the fourth in a series of such surveys. Previous surveys were conducted in 1974-75, 1975-76 and 1984.

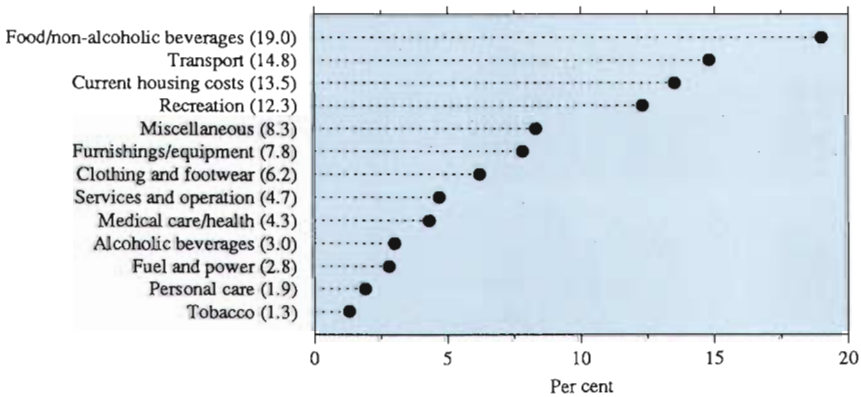
Results based on data collected in the 1988-89 HES showed that the average weekly household expenditure for Victorian households was \$534.36. The four broad commodity and service groups which accounted for most (59.6 per cent) of the expenditure were: food and non-alcoholic beverages (accounting for 19.0 per cent of total weekly household expenditure), transport and communication (14.8 per cent), current housing costs (13.5 per cent), and recreation (12.3 per cent).

The largest increase in average weekly household expenditure in Victoria between 1984 and 1988-89 occurred in household services and operation, which increased by 59.8 per cent to \$25.35. Expenditure on current housing costs increased by 57.9 per cent to \$72.17 over the same period.

By way of comparison, the average weekly household expenditure for Australian households was \$502.71. There was only one item of expenditure where Victorian households spent less than the national average; expenditure on alcoholic beverages (4.6 per cent less).

Victoria had the third highest average household income of the States and Territories at \$681.43 per week. This was higher than the national average of \$636.05.

PERCENTAGE OF AVERAGE WEEKLY HOUSEHOLD EXPENDITURE SPENT ON SELECTED COMMODITY/SERVICE ITEMS, VICTORIA, 1988-89

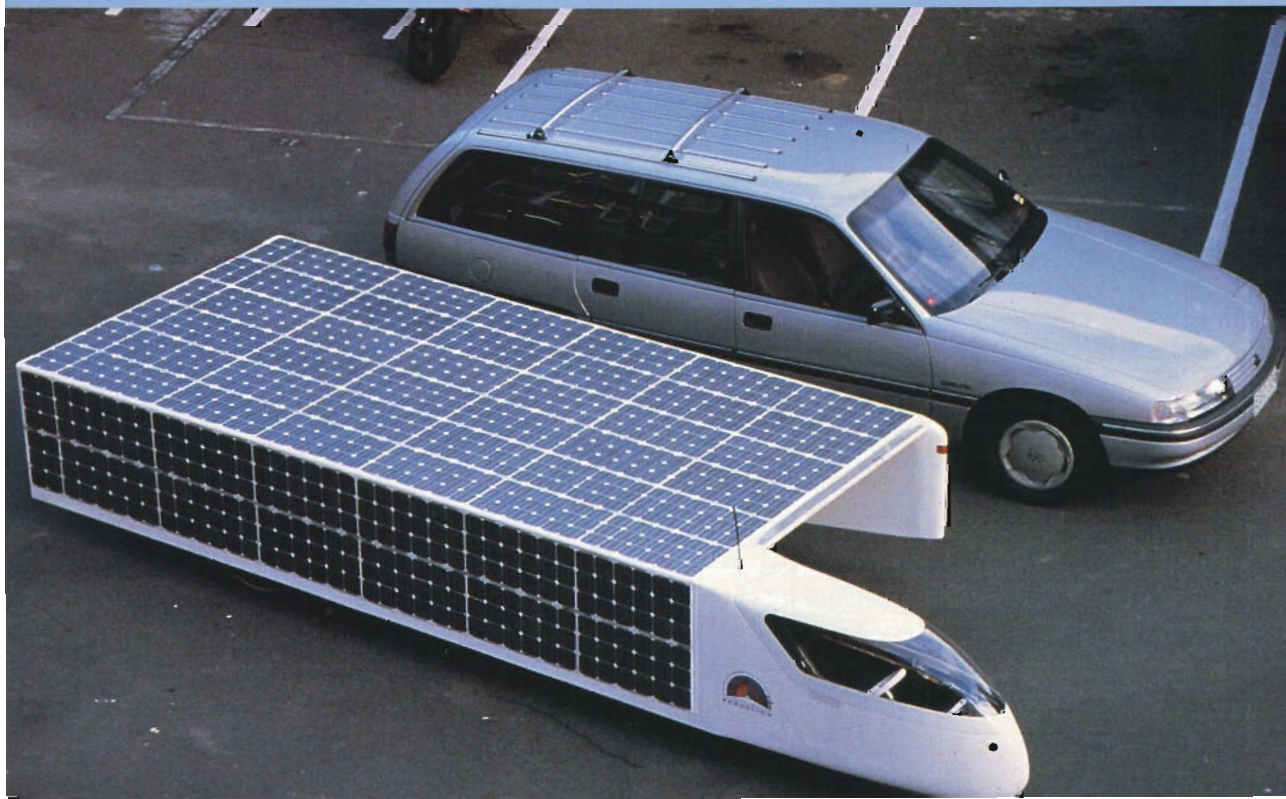




MANUFACTURING, MINING AND ENERGY

Above: Assembly of F/A-18 Hornet fighter jets at Aerospace Technologies of Australia Pty Ltd's Military Aircraft Services division, Avalon - *Department of Manufacturing and Industry Development*

Below: Research for the future. Solar car, developed and built by Monash University with assistance from Dandenong college of TAFE - *Monash University (Energy Victoria)*





COMMERCE

Above: Live sheep being loaded for valuable Middle East Markets

Below: Carcass mutton destined for Soviet Markets - Port of Portland Authority



TABLE 8.15 HOUSEHOLD EXPENDITURE BY REGIONS

| Particulars | 1984 | | | 1988-89 | |
|---|---------------|-------------------|-------------------|---------------|---------------|
| | Melbourne | Urban regions (a) | Rural regions (b) | Victoria | Victoria |
| Number of households in sample | 1,325 | 471 | 151 | 1,947 | 1,332 |
| Estimated total number of households in population ('000) | 945.3 | 283.2 | 92.1 | 1,320.6 | 1,392.7 |
| Average number of persons per household | 2.83 | 2.77 | 3.01 | 2.83 | 2.82 |
| Average age of household head (years) | 47.43 | 48.48 | 47.17 | 47.64 | 47 |
| Average weekly household income (\$) | 492.49 | 433.27 | 383.97 | 472.22 | 681.43 |
| <i>Average weekly household expenditure -(\$)</i> | | | | | |
| Commodity or service expenditure - | | | | | |
| Current housing costs (selected dwelling) (c) | 50.46 | 35.42 | 28.49 | 45.70 | 72.17 |
| Fuel and power | 12.47 | 11.58 | 11.16 | 12.19 | 15.00 |
| Food and non-alcoholic beverages - | | | | | |
| Bread, cakes, and cereals | 8.65 | 7.79 | 7.91 | 8.41 | 11.77 |
| Meat and fish | 16.67 | 14.68 | 15.94 | 16.19 | 20.26 |
| Dairy products, oils, and fats | 9.23 | 8.72 | 10.29 | 9.19 | 10.12 |
| Fruit and vegetables (includes nuts) | 9.74 | 7.91 | 8.15 | 9.23 | 13.53 |
| Miscellaneous food | 9.56 | 9.07 | 8.94 | 9.41 | 13.73 |
| Non-alcoholic beverages | 4.67 | 4.30 | 3.29 | 4.49 | 6.95 |
| Meals out and take-away food | 17.20 | 14.76 | 10.95 | 16.24 | 25.28 |
| Total food and non-alcoholic beverages | 75.71 | 67.23 | 65.46 | 73.18 | 101.65 |
| Alcoholic beverages | 11.36 | 10.32 | 11.04 | 11.11 | 16.12 |
| Tobacco | 6.72 | 5.86 | 4.95 | 6.41 | 7.09 |
| Clothing and footwear | 25.65 | 21.77 | 16.94 | 24.21 | 33.22 |
| Household furnishings and equipment | 27.52 | 28.80 | 25.70 | 27.67 | 41.55 |
| Household services and operations | 16.25 | 15.01 | 14.45 | 15.86 | 25.35 |
| Medical care and health expenses | 15.89 | 14.19 | 14.09 | 15.40 | 22.84 |
| Transport and communication | 60.38 | 62.49 | 75.95 | 61.92 | 79.14 |
| Recreation | 48.25 | 39.72 | 40.55 | 45.89 | 65.83 |
| Personal care | 7.32 | 5.99 | 5.17 | 6.89 | 10.08 |
| Miscellaneous commodities and services | 25.24 | 21.28 | 18.01 | 23.89 | 44.30 |
| Total commodity and service expenditure | 383.23 | 339.66 | 331.98 | 370.31 | 534.36 |
| <i>Selected other payments - (\$)</i> | | | | | |
| Income tax | 91.09 | 74.99 | 58.21 | 85.35 | 138.64 |
| Mortgage payments - principal (selected dwelling) | 6.77 | 5.90 | 4.52 | 6.43 | 6.14 |
| Other capital housing costs (d) | 20.54 | (e) 6.63 | * | 16.70 | 12.30 |
| Superannuation and life insurance | 12.04 | 12.72 | 10.30 | 12.07 | 18.16 |
| Total selected other payments | 130.44 | 100.23 | 81.28 | 120.54 | 175.24 |
| Total | 513.67 | 439.89 | 413.26 | 490.85 | 709.60 |

(a) All towns and urban centres with a population of more than 500 persons (excluding the capital city) as defined for purposes of the 1981 Census of Population and Housing.

(b) Localities with a population of less than 500 persons and rural areas (excluding remote areas).

(c) Included in current housing costs is the interest component of any housing loan repayments. Excluded are outright purchase, or deposit on, dwellings or land and other payments of a capital nature.

(d) The main components of this item are the principal component of any housing loan repayment for property other than the selected dwelling, purchase of and deposit on dwellings and land or other property, and home improvements.

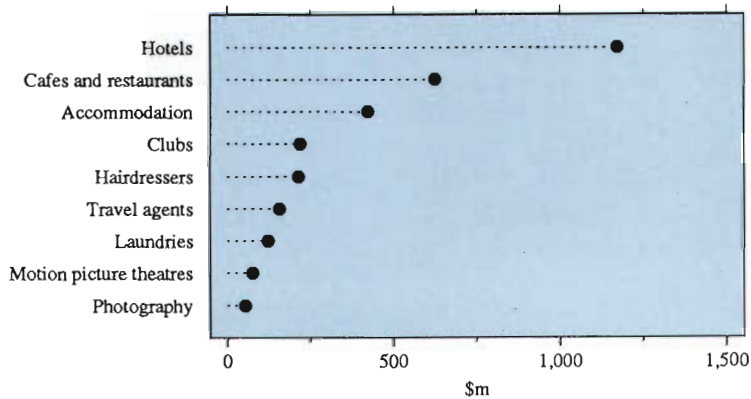
(e) Subject to high standard error and therefore should be used with caution.

THE 1986-87 SERVICE INDUSTRY SURVEY

The 1986-87 Service Industry Survey covered ten personal service and travel related industries. In Victoria these industries recorded a total turnover of \$3,058m and employed 83,500 people.

For the industries included in the survey (excluding Motor Vehicle Hire), Victoria accounted for 21 per cent of the total Australian turnover, and 24 per cent of total employment.

SELECTED SERVICE INDUSTRIES : TURNOVER BY INDUSTRY, VICTORIA, 1986-87



**TABLE 8.16 SELECTED SERVICE INDUSTRIES: SUMMARY OF OPERATIONS:
VICTORIA, 1986-87**

| Industry | Enterprises operating at 30th June 1987 | Persons employed at 30th June 1987 | Wages and salaries | Turnover | Value added |
|---|--|---|--------------------------|----------|----------------|
| | No. | No. | \$m | \$m | \$m |
| Hotels etc, (mainly drinking places) (Asic 9232) | 1,233 | 23,134 | 199.6 | 1,171.9 | 423.1 |
| Licensed clubs (Asic 9241-3) | 599 | 5,520 | 62.7 | 219.0 | 120.6 |
| Cafes and restaurants (Asic 9231) | 2,138 | 23,511 | 154.9 | 624.3 | 290.8 |
| Accommodation (Asic 9233) | 1,099 | 11,570 | 122.4 | 422.6 | 261.5 |
| Travel agency services (Asic 5741) | 469 | 3,493 | 62.7 | 156.0 | 129.6 |
| Motor vehicle hire (Asic 5711) | 70 | 825 | 15.7 | n.a. | n.a. |
| Hairdressers and beauty salons (Asic 9351-2) | 2,870 | 10,409 | 82.6 | 213.8 | 135.4 |
| Laundries and dry cleaners (Asic 9340) | 402 | 3,612 | 46.0 | 120.9 | 88.1 |
| Photography services (Asic 9361) | 422 | 1,168 | 11.0 | 52.5 | 25.7 |
| Motion picture theatres (Asic 9133) | 58 | 1,088 | 15.5 | 76.6 | 41.0 |

Motion Picture Theatres

Of the 202 enterprises (businesses) operating in the Motion Picture Theatre Industry in Australia in 1986-87, there were 58 located in Victoria. The industry in Victoria employed 1,093 people, 24 per cent of the total Australian employment in the industry.

Turnover in Victoria for the 1986-87 financial year was \$77m (Australia \$257m) whilst the turnover in 1979-80 (at average 1986-87 prices) was \$95m (Australia \$333m). The Victorian figure represented a drop in turnover of 19 per cent over the 7 year period between surveys. This decrease can be partially attributed to the increase in home video usage.

Photography Services

Using both turnover and number of enterprises as a measure, the Photography Services industry is a relatively small, service providing industry. There were some 423 enterprises (businesses) in Victoria (Australia 1,547) in 1986-87. These enterprises employed 1,168 people (Australia 4,290), of whom 54 per cent were males and 46 per cent were females. The industry is dominated by small businesses (those employing fewer than 20 persons), with an average employment per enterprise of 2.8 persons in Victoria.

Victoria accounted for 29 per cent of the total Australian industry turnover. The major components of turnover in Victoria were Weddings/Portrait photography (51 per cent), Commercial/Industrial photography (18 per cent) and Advertising/Fashion photography (22 per cent).

TABLE 8.17 PHOTOGRAPHY SERVICES INDUSTRIES: COMPONENTS OF TURNOVER, NUMBER OF ENTERPRISES AND TURNOVER, VICTORIA AND AUSTRALIA 1986-87

| <i>Components of turnover</i> | <i>Enterprises</i> | | <i>Turnover</i> | |
|-----------------------------------|--------------------|------------------|-----------------|------------------|
| | <i>Victoria</i> | <i>Australia</i> | <i>Victoria</i> | <i>Australia</i> |
| | No. | No. | \$m | \$m |
| Weddings/Portrait photography | 274 | 1001 | 26.6 | 84.6 |
| Commercial/Industrial photography | 205 | 887 | 9.4 | 39.5 |
| Advertising/Fashion photography | 140 | 489 | 11.4 | 39.5 |
| Other photography services | 69 | 332 | 3.2 | 16.2 |
| Other revenue | - | - | 1.9 | 7.9 |
| Total | 426 | 1582 | 52.5 | 183.3 |

Hairdressers and Beauty Salons

Employment in the Hairdressers and Beauty Salons industry grew from 7,418 to 10,409 (40 per cent) between June 1980 and June 1987 in Victoria. Over the same period of time, total employment in Australia for this industry increased from 29,559 to 39,628, an increase of 34 per cent. Female employment in Victoria rose at a slightly greater rate; 43 per cent (2,401) as against the growth in male employment of 31 per cent (590).

The industry turnover of \$214m in Victoria (Australia \$790m) represented approximately \$51 per head of population, compared with the Australian average of \$49 per head. Net operating surplus (operating profit, before non-operating income and expenses and before income tax) represented 13 per cent of turnover in 1986-87. However, if working proprietors and partners of unincorporated enterprises were allocated a national average salary, the industry would have operated at a considerable loss for the year.

TABLE 8.18 HAIRDRESSERS AND BEAUTY SALONS INDUSTRY: COMPONENTS OF TURNOVER, NUMBER OF ENTERPRISES AND TURNOVER, VICTORIA AND AUSTRALIA, 1986-87

| <i>Components of turnover</i> | <i>Enterprises</i> | | <i>Turnover</i> | | <i>Percentage of turnover</i> | |
|--|--------------------|---------------|-----------------|--------------|-------------------------------|--------------|
| | <i>Vic.</i> | <i>Aust.</i> | <i>Vic.</i> | <i>Aust.</i> | <i>Vic.</i> | <i>Aust.</i> |
| | No. | | \$m. | | Per cent | |
| Takings from hairdressing | 2,771 | 10,696 | 178.5 | 669.8 | 83.5 | 84.8 |
| Takings from manicures and beauty treatments | *389 | 1,580 | *12.4 | 35.0 | 5.8 | 4.4 |
| Retail sales | 2,089 | 8,159 | 21.5 | 72.7 | 10.1 | 9.2 |
| Other revenue | *259 | 780 | 1.3 | 12.5 | 0.6 | 1.6 |
| Total | 2,898 | 11,281 | 213.8 | 790 | 100.0 | 100.0 |

Laundries and Dry Cleaners

There was a large contraction in the size of the Laundries and Dry Cleaners industry in Australia between 1979-80 and 1986-87. The number of enterprises (businesses) decreased from 2,538 in 1979-80 to 1,581 in 1986-87, whilst employment decreased from 14,558 to 12,452 over the same period.

In Victoria in 1986-87, there were only 403 enterprises. These businesses generated a turnover of \$120.9m (Australia \$400.1m) and a net operating surplus (operating profit) of \$15m (Australia \$52.6m). Of the 3,612 people employed in Victoria, 1,547 were males and 2,065 were females.

TABLE 8.19 LAUNDRIES AND DRY CLEANERS INDUSTRY: COMPONENTS OF TURNOVER, NUMBER OF ENTERPRISES AND TURNOVER, VICTORIA AND AUSTRALIA, 1986-87

| <i>Components of turnover</i> | <i>Number of Enterprises</i> | | <i>Turnover</i> | |
|--|------------------------------|------------------|-----------------|------------------|
| | <i>Victoria</i> | <i>Australia</i> | <i>Victoria</i> | <i>Australia</i> |
| | No. | No. | \$m | \$m |
| Takings from laundry and ironing | 249 | 1,026 | 27.8 | 121.0 |
| Takings from dry cleaning, dyeing, etc. | 245 | 999 | 37.7 | 135.1 |
| Takings from hire of linen, babies napkins, uniforms, etc. | 26 | 101 | 52.8 | 132.1 |
| Other revenue | n.a. | n.a. | 2.6 | 11.9 |
| Total | 407 | 1,615 | 120.9 | 400.1 |

Motor Vehicle Hire

The Motor Vehicle Hire industry is a small service providing industry. In Victoria in 1986-87 there were 72 enterprises (businesses) employing 837 full-time and part-time staff. Takings from rentals amounted to \$61.5m, with Victoria's share of the total Australian rental takings being 21 per cent, from only 19.8 per cent (1.2m) of vehicle rental days.

TABLE 8.20 MOTOR VEHICLE HIRE INDUSTRY: SUMMARY OF OPERATIONS, VICTORIA AND AUSTRALIA, 1986-87

| | <i>Enterprises at end June 1987</i> | <i>Employment at end June 1987</i> | <i>Wages and salaries</i> | <i>Vehicle rental days (a)</i> | <i>Takings from rentals (a)</i> |
|-----------|---|--|-----------------------------------|--|---|
| | No. | No. | \$'000 | '000 | \$'000 |
| Victoria | 72 | 837 | 15,960 | 1,210 | 61,509 |
| Australia | 281 | 3173 | 54,837 | 6,104 | 288,755 |

(a) State or Territory in which rentals were commenced.

Travel Agency Services

The Survey of the Travel Agency Services industry revealed that the industry did not generate any net operating surplus (operating profit) in 1986-87.

The survey showed that in 1986-87 the industry was concentrated in New South Wales, which accounted for 47 per cent (\$202.1m) of the industry's turnover and 46 per cent (5,316) of its employment. Victoria accounted for 28 per cent (\$121.8m) of the industry's turnover and 27 per cent (3,094) of its employment.

For Australia, international travel (including package tours and air tickets) accounted for 67 per cent of turnover within the industry. Domestic travel accounted for 23 per cent.

THE HOSPITALITY SECTOR

There are four industries (Cafes and Restaurants, Licensed Clubs, Hotels and Bars, and Accommodation) which together comprise what can be called the 'Hospitality Sector'.

Victoria's growth in turnover between 1979-80 and 1986-87 (at average 1986-87 prices) for the Hospitality Sector (5 per cent) was less than the national average (8 per cent). There was a considerable decline in the Licensed Clubs Industry (13 per cent) and negligible growth in the Hotels and Bars Industry (0.8 per cent). Although the Accommodation Industry experienced a large increase of 29 per cent in turnover over the same period, this was significantly less than the Australian average of 45 per cent.

TABLE 8.21 HOSPITALITY SECTOR: CHANGE IN TURNOVER BETWEEN 1979-80 AND 1986-87, AT AVERAGE 1986-87 PRICES, VICTORIA AND AUSTRALIA

| <i>Industry components</i> | <i>Victoria</i> | | <i>Australia</i> | |
|--------------------------------------|-----------------|------------|------------------|------------|
| | \$m | per cent | \$m | per cent |
| Cafes and restaurants (Asic 9231) | 47.7 | 8.3 | 430.0 | 20.0 |
| Licensed clubs (Asic 9241-3) | -33.6 | -13.3 | -196.8 | -6.9 |
| Hotels and bars (Asic 9232) | 9.7 | 0.8 | -19.4 | -0.4 |
| Accommodation (Asic 9233) | 94.4 | 28.8 | 712.6 | 45.4 |
| Total Hospitality Sector | 118.2 | 5.1 | 926.6 | 8.1 |

Cafes and Restaurants

The Cafes and Restaurants industry is a large service industry in Victoria, which operated from 2,398 establishments in 1986-87. The industry is dominated by small businesses (enterprises employing fewer than 20 persons), with an average employment per establishment of 10 persons. Total industry employment in Victoria was 23,449 persons, 53 per cent of whom were females.

Turnover increased by only 8 per cent in Victoria between 1979-80 and 1986-87 (at average 1986-87 prices). This compares with increases of 25 per cent in New South Wales and 20 per cent for Australia over the same period. In 1986-87 net operating surplus (operating profit) for Victoria was only 8 per cent of turnover, marginally less than the Australian average of 9 per cent.

Licensed Clubs

The total turnover for Licensed Clubs in Victoria in 1986-87 was \$219.0m. This was only 8 per cent of the total Australian turnover for this industry. In average 1986-87 price terms, Victorian turnover for Licensed Clubs actually declined by 13 per cent between 1979-80 and 1986-87. Employment, however increased by 7 per cent to 5,520 over the same period. Employment for Australia dropped from 52,967 at the end of June 1980, to 52,336 in 1987, a decrease of one per cent.

Takings from the sales of beer, wine and spirits represented the largest component (47 per cent) of turnover in Victoria. This was higher than the Australian average of 42 per cent. Membership subscriptions were the second largest source of turnover (21 per cent), followed by takings from meals (14 per cent).

TABLE 8.22 LICENSED CLUBS: COMPONENTS OF TURNOVER, VICTORIA AND AUSTRALIA, 1986-87

| <i>Industry components</i> | <i>Victoria</i> | | <i>Australia</i> | |
|-------------------------------|-----------------|--------------|------------------|--------------|
| | \$m | per cent | \$m | per cent |
| Sales of beer, wine & spirits | 101.8 | 46.5 | 1,097.6 | 41.6 |
| Takings from poker machines | - | - | 904.6 | 34.3 |
| Takings from meals | *30.9 | 14.1 | 217.1 | 8.2 |
| Membership subscriptions | 46.6 | 21.3 | 162.7 | 6.2 |
| Other retail sales | 6.7 | 3.1 | 64.8 | 2.5 |
| Other revenue | 33.4 | 15.2 | 189.4 | 7.2 |
| Total turnover | 219.0 | 100.0 | 2,636.1 | 100.0 |

Hotels and Bars, and Accommodation

For the Hotels and Bars industry in Victoria, the period 1980-87 saw an increase of only 0.8 per cent in turnover (at average 1986-87 prices). By contrast, the Accommodation industry saw very strong growth with a 29 per cent increase in turnover. Over the same period, total Australian turnover decreased 0.4 per cent for the Hotels and Bars industry, but increased 45 per cent for the Accommodation industry. In Victoria net operating surplus generated by the Hotels and Bars industry in 1986-87 was over \$89m, and over \$57m for the Accommodation industry.

PROFESSIONAL AND BUSINESS SERVICES

The ABS conducted a survey of a wide range of professional and business services industries for the first time in 1987-88. The 12 industries covered were -

- . Legal Services
- . Architectural Services
- . Accounting Services
- . Surveying Services
- . Computing Services
- . Engineering and Technical Services nec.
- . Advertising Services
- . Debt collecting and Credit Reporting Services
- . Pest Control Services
- . Cleaning Services
- . Real Estate Agents
- . Security/Protection and Business Services nec.

The industries surveyed employed 83,731 people in Victoria on a full or part-time basis, which was about 4 per cent of all persons employed in Victoria at 30 June 1988.

**TABLE 8.23 SELECTED PROFESSIONAL AND BUSINESS SERVICES INDUSTRIES:
SUMMARY OF OPERATIONS VICTORIA, 1987-88**

| | <i>Enterprises at end June 1988</i> | <i>Employment</i> | <i>Wages and salaries (a)</i> | <i>Turnover</i> | <i>Net operating surplus (b)</i> |
|---|---|-------------------|-----------------------------------|-----------------|--------------------------------------|
| | No | No | \$m | \$m | \$m |
| Real estate agents (ASIC 6310) | 1,161 | 10,431 | 267 | 608 | 83 |
| Architectural services (ASIC 6334) | 1,260 | 4,808 | 94 | 278 | 44 |
| Surveying services (ASIC 6335) | 159 | 977 | 17 | 41 | 6 |
| Engineering and technical services (ASIC 6336) | 1,569 | 6,620 | 157 | 414 | 65 |
| Computing services (ASIC 6381) | 1,367 | 7,773 | 192 | 536 | *39 |
| Advertising services (ASIC 6382) | 767 | 4,787 | 133 | 1,564 | 47 |
| Debt collecting and credit reporting services (ASIC 6385) | 52 | 948 | 20 | 47 | *4 |
| Pest control services (ASIC 6386) | 49 | 370 | 7 | 22 | 3 |
| Cleaning services (ASIC 6387) | 1,046 | 12,975 | 99 | 180 | 21 |
| Security/Protection and business services nec (ASIC 6388-9) | 381 | 5,619 | 93 | 219 | 24 |

(a) Wages and salaries do not include payments to employees of service enterprises or proprietors of Legal and Accounting enterprises.

(b) This item does not include any profit (net operating surplus) derived by service enterprises.

Computing Services

The private sector Computing Services industry in Victoria comprised 1,367 enterprises at the end of June 1988. This represented 37 per cent of the total number of enterprises in this industry in Australia. The industry in Victoria employed 7,773 (Australia 24,067) people, of whom 41 per cent (Australia 42 per cent) were females.

In 1987-88, turnover generated by the Computer Services Industry in Victoria was \$536.4m, 33 per cent of the industry's turnover for Australia.

Advertising Services

At the end of June 1988 the Advertising Services Industry in Victoria employed 4,787 people (Australia 16,048) with approximately equal numbers of males (2,208) and females (2,346). In addition there were 233 working proprietors. Using the criterion of turnover, the industry was quite heavily concentrated in New South Wales (accounting for 45 per cent of the industry's turnover) and to a lesser extent in Victoria (accounting for 33 per cent of the industry's turnover).

Legal and Accounting Services

Enterprises which have been established to provide administrative, secretarial or similar services to the general business community were not included in this survey. However, it is very common for service enterprises to be established by the principals of an accounting or legal industry enterprise to provide services solely to that accounting or legal enterprise. To provide a measure of the importance of such service enterprises, accounting and legal industries enterprises were asked to provide details of the employment of these associated service enterprises and the payments made to them. The resultant statistics are included in the following table.

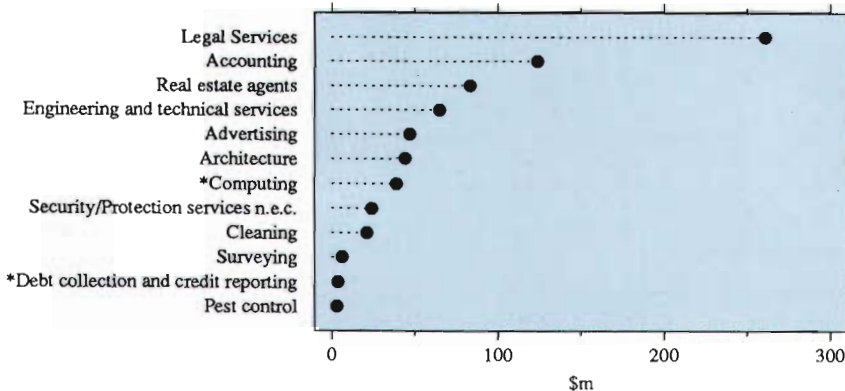
**TABLE 8.24 LEGAL AND ACCOUNTING SERVICES INDUSTRIES:
SUMMARY OF OPERATIONS: VICTORIA, 1987-88**

| | <i>Enterprises at end June 1988</i> | <i>Wages and salaries (a)</i> | <i>Turnover</i> | <i>Net operating surplus (b)</i> | <i>Employment at 30 June 1988</i> | <i>Employees of service enterprises</i> |
|------------------------------------|---|---------------------------------------|-----------------|--|---|---|
| | <i>No.</i> | <i>\$m</i> | <i>\$m</i> | <i>\$m</i> | <i>No.</i> | <i>No.</i> |
| Legal Services (ASIC 6371) | 1,984 | 147 | 893 | 261 | 9,775 | 5,567 |
| Accounting Services (ASIC 6372) | 1,631 | 146 | 631 | 124 | 8,600 | 4,481 |

(a) Wages and Salaries do not include payments to employees of service enterprises or proprietors of Legal and Accounting industry enterprises.

(b) This item does not include any profit (net operating surplus) derived by service enterprises.

NET OPERATING SURPLUS BY INDUSTRY, VICTORIA, 1987-88



*Standard error > 25%

Surveying Services

At the end of June 1988, there were 1,104 enterprises in Australia providing surveying services. Only 159 of these enterprises (14 per cent) were located in Victoria. Using turnover as a criterion, some 76 per cent of the industry was based in three states - New South Wales with 32 per cent, Queensland with 24 per cent, and Western Australia with 20 per cent. The industry is relatively less important in Victoria, accounting for only 13 per cent of the industry's national turnover. The distribution of the industry across the states may in part be a reflection of public sector surveying activities, which are not included in the statistics, and the extent of development activities, both of which vary from state to state.

Pest Control Services

This industry was relatively small in Victoria where it accounted for only 17 per cent of the Australian industry's turnover (\$134.9m) in 1987-88. The 49 enterprises operating in Victoria during this period employed 367 people, of whom 26 per cent were females (32 per cent for Australia). Victoria's net operating surplus (operating profit before interest and income tax) was 14 per cent of turnover in 1987-88, 29 per cent lower than the Australian average.

Security/Protection and Other Business Services

At the end of June 1988, 92 per cent of the enterprises in the Security/Protection and Other Business Services industries in Australia were small businesses (defined as those which employed fewer than 20 persons). These small businesses, however, employed only 22 per cent of the industries' staff and accounted for only 28 per cent of Australian turnover.

In Victoria, these industries employed 6,385 staff (Australia 27,532), of whom 32 per cent (Australia 26 per cent) were females. Approximately one third of all employees work part-time.

TABLE 8.25 SECURITY/PROTECTION AND OTHER BUSINESS SERVICES INDUSTRIES: COMPONENTS OF TURNOVER, NUMBER OF ENTERPRISES, TURNOVER AND PERCENTAGE OF TURNOVER, VICTORIA AND AUSTRALIA 1987-88

| Components of turnover | Number of Enterprises | | Turnover | | Percentage of turnover | |
|---|-----------------------|--------------|--------------|--------------|------------------------|--------------|
| | Victoria | Australia | Victoria | Australia | Victoria | Australia |
| | No. | | \$m | | Per cent | |
| Security and protection services | 257 | 700 | 210.0 | 626.3 | 66.8 | 63.9 |
| Debt collection and credit reporting services | 58 | 280 | 45.7 | 138.1 | 14.5 | 14.1 |
| Contract packing or filling services | n.p. | n.p. | *8.7 | 46.9 | *2.8 | 4.8 |
| Other gross income | n.p. | n.p. | 49.9 | 169.3 | 15.9 | 17.3 |
| Total | 452 | 1,406 | 314.3 | 980.6 | 100.0 | 100.0 |

Architectural Services

At the end of June 1988, over 90 per cent of the enterprises in the architectural services industry were small businesses (defined as those employing fewer than 20 persons). The average turnover per enterprise was about \$224,000. This ranged from about \$90,000 for the smallest enterprises in the industry (those who employed fewer than 5 persons), to over \$10 million for the largest enterprises (those employing 100 or more persons).

There were 1,260 enterprises in Victoria (Australia 4,534) which generated turnover of \$278.4m, most of which was fees for professional services (Australia \$1,030.4m). For this period, net operating surplus was about 16 per cent of Victoria's turnover (Australia 18 per cent).

Engineering and Technical Services

This industry was estimated to comprise about 1,569 enterprises in Victoria (Australia 5,200) at the end of June 1988. These enterprises employed 6,619 staff, 69 per cent of whom were males.

Turnover generated by this industry in Victoria during 1987-88 was \$414m (Australia \$1716m), with a net operating surplus of 16 per cent (Australia 13 per cent).

The Engineering and Technical Services industry includes enterprises which undertake a fairly diverse range of activities, as is shown in the following table.

**TABLE 8.26 ENGINEERING AND TECHNICAL SERVICES INDUSTRY:
COMPONENTS OF TURNOVER, VICTORIA, 1987-88**

| <i>Major Income Producing Activity</i> | <i>Number of Enterprises</i> | <i>Income</i> | <i>Victoria's percentage share of each activity</i> |
|--|----------------------------------|---------------|---|
| | | \$m | Per cent |
| Consulting engineering | 1,083 | 284.3 | 26.5 |
| Construction management services | *83 | 7.1 | 18.7 |
| Quantity surveying services | *79 | 31.5 | 23.0 |
| Technical testing/analysis services | 76 | 42.2 | 19.5 |
| Other technical and engineering services | 477 | 33.5 | 21.4 |
| Other | 289 | 15.3 | 15.8 |
| Total | 1,611 | 413.9 | 24.1 |

Real Estate Agents

This industry was dominated by small businesses (defined as those employing fewer than 20 persons) in 1987-88. These small businesses employed 70 per cent of the industry's staff, and accounted for about 65 per cent of its turnover.

In Victoria during this period, 1,161 enterprises generated turnover of \$607.7m (Australia \$2,200.6m). Net operating surplus (calculated on the standard ABS basis (i.e. operating profit before interest, franchise fees and income tax), was \$83.3m (Australia \$356.1m).

The largest component (75 per cent) of turnover in Victoria was commissions and fees from the sales of property. Residential sales accounted for two thirds of property sales, with commercial/industrial sales accounting for most of the remainder.

TABLE 8.27 REAL ESTATE AGENTS INDUSTRY: COMPONENTS OF TURNOVER, VICTORIA, 1987-88

| <i>Source of Income</i> | <i>Number of enterprises</i> | <i>Income (\$m)</i> | <i>Victoria's share of each activity</i> |
|---|------------------------------|---------------------|--|
| Commissions and fees from sales of property | | | |
| - Residential | 1,029 | 306.1 | 25.7 |
| - Commercial/Industrial | 790 | 133.5 | 35.8 |
| - Other | 278 | *13.4 | *28.0 |
| Total | 1,144 | 453.1 | 28.1 |
| Commissions and fees from property management | | | |
| - Residential | 891 | 57.4 | 24.8 |
| - Commercial/Industrial | 590 | 39.3 | 25.1 |
| - Other | 93 | *0.9 | *32.1 |
| Total | 962 | 97.6 | 25.0 |
| Fees and charges for property valuations | 333 | 38.9 | 33.3 |
| Other income | 435 | 18.1 | 21.7 |
| Total | 1,214 | 607.7 | 27.6 |

EXTERNAL TRADE

Exports

Exports from Victoria increased by 29 per cent from \$6,806m in 1985-86 to \$8,804m in 1990-91, compared with an increase of 60 per cent in Australian exports over the same period.

In 1990-91, the significant importers of Victorian origin exports were Japan (\$1,561m), United States of America (\$1,186m), and New Zealand (\$725m). The major commodities exported from Victoria were textile fibres and their wastes (\$944m), non-ferrous metals (\$941m), dairy products and birds' eggs (\$652m), and road vehicles, including air cushion vehicles (\$549m).

Imports

In the period 1985-86 to 1990-91, imports into Victoria increased by 20 per cent, compared with an increase of 41 per cent in imports into Australia. Available statistics do not enable assessment of the end destination of commodities imported.

In 1990-91 the significant exporters of commodities into Victoria were the United States of America (\$3,115m), Japan (\$2,679m) and Germany (\$1,326m). The major commodities exported into Victoria were road vehicles, including air cushion vehicles (\$1,400m), general industrial machinery, equipment and machine parts (\$990m) and textile yarns, fabrics, made-up articles and related products (\$921m).

TABLE 8.28 OVERSEAS TRADE: RECORDED VALUES OF IMPORTS INTO, AND EXPORTS FROM, VICTORIA
(\\$m)

| <i>Year</i> | <i>Imports</i> | <i>Exports</i> | <i>Excess of imports</i> |
|-------------|----------------|----------------|--------------------------|
| 1985-86 | 12,409 | 6,806 | 5,603 |
| 1986-87 | 13,743 | 7,398 | 6,345 |
| 1987-88 | 14,015 | 9,051 | 4,964 |
| 1988-89 | 15,968 | 8,519 | 7,449 |
| 1989-90r | 16,791 | 8,523 | 8,268 |
| 1990-91p | 14,907 | 8,804 | 6,103 |

TABLE 8.29 CLASSIFICATION OF OVERSEAS IMPORTS AND EXPORTS, VICTORIA
(\\$m)

| <i>Division number</i> | <i>Description</i> | <i>Imports</i> | | | <i>Exports</i> | | |
|------------------------|---|----------------|----------------|----------------|----------------|-----------------|----------------|
| | | <i>1988-89</i> | <i>1989-90</i> | <i>1990-91</i> | <i>1988-89</i> | <i>1989-90r</i> | <i>1990-91</i> |
| 00 | Live animals chiefly for food | 36 | 29 | 31 | 72 | 38 | 27 |
| 01 | Meat and meat preparations | 8 | 7 | 19 | 368 | 424 | 520 |
| 02 | Dairy products and birds' eggs | 40 | 46 | 55 | 481 | 632 | 652 |
| 03 | Fish, crustaceans, and molluscs | 110 | 115 | 116 | 66 | 88 | 84 |
| 04 | Cereals and cereal preparations | 29 | 36 | 39 | 392 | 570 | 340 |
| 05 | Vegetables and fruit | 132 | 148 | 133 | 257 | 245 | 284 |
| 06 | Sugar, sugar preparations, and honey | 21 | 21 | 25 | 8 | 10 | 9 |
| 07 | Coffee, tea, cocoa, spices, and manufactures thereof | 132 | 125 | 116 | 44 | 50 | 63 |
| 08 | Feeding stuff for animals (not including unmilled cereals) | 19 | 22 | 16 | 82 | 58 | 79 |
| 09 | Miscellaneous edible products and preparations | 27 | 38 | 42 | 34 | 25 | 23 |
| 11 | Beverages | 72 | 83 | 72 | 39 | 37 | 29 |
| 12 | Tobacco and tobacco manufactures | 27 | 28 | 31 | 2 | 3 | 3 |
| 21 | Hides, skins, and fur skins (raw) | 5 | 10 | 7 | 209 | 238 | 168 |
| 22 | Oil seeds and oleaginous fruit | 16 | 7 | 15 | 8 | 7 | 3 |
| 23 | Crude rubber (including synthetic and reclaimed) | 67 | 51 | 50 | 8 | 7 | 8 |
| 24 | Cork and wood | 163 | 158 | 125 | 2 | 1 | 2 |
| 25 | Pulp and waste paper | 75 | 87 | 49 | 11 | 10 | 12 |
| 26 | Textile fibres and their wastes | 108 | 86 | 76 | 1,917 | 1,363 | 944 |
| 27 | Crude fertilisers and crude minerals (excluding coal, petroleum, and precious stones) | 72 | 60 | 31 | 7 | 5 | 6 |
| 28 | Metalliferous ores and metal scrap | 3 | 6 | 6 | 39 | 39 | 41 |
| 29 | Crude animal and vegetable materials, n.e.s. | 35 | 41 | 36 | 43 | 45 | 51 |
| 32 | Coal, coke, and briquettes | 1 | 1 | 1 | 2 | 2 | 3 |
| 33 | Petroleum, petroleum products, and related materials | 329 | 372 | 263 | 474 | 502 | 518 |
| 34 | Gas, natural and manufactured | - | - | - | 6 | - | - |
| 41 | Animal oils and fats | 1 | - | 1 | 11 | 9 | 6 |
| 42 | Fixed vegetable oils and fats | 37 | 39 | 42 | 2 | 1 | 1 |
| 43 | Animal and vegetable oils and fats, processed and waxes of animal or vegetable origin | 11 | 5 | 6 | 4 | 2 | 1 |

**TABLE 8.29 CLASSIFICATION OF OVERSEAS IMPORTS AND EXPORTS,
VICTORIA - continued**
(\$m)

| Division number | Description | Imports | | | Exports | | |
|--------------------|--|---------|---------|---------|---------|----------|---------|
| | | 1988-89 | 1989-90 | 1990-91 | 1988-89 | 1989-90r | 1990-91 |
| 51 | Organic chemicals | 242 | 343 | 273 | 4 | 7 | 8 |
| 52 | Inorganic chemicals | 77 | 99 | 80 | 21 | 18 | 20 |
| 53 | Dyeing, tanning, and colouring materials | 104 | 127 | 125 | 15 | 27 | 32 |
| 54 | Medicinal and pharmaceutical products | 125 | 176 | 204 | 40 | 82 | 110 |
| 55 | Essential oils and perfume materials; toilet, polishing, and cleansing preparations | 49 | 74 | 68 | 12 | 17 | 25 |
| 56 | Fertilisers manufactured | 32 | 51 | 56 | - | - | - |
| 57 | Explosives and pyrotechnic products | 4 | 277 | 251 | - | 69 | 87 |
| 58 | Artificial resins and plastic materials, cellulose esters and ethers | 353 | 193 | 168 | 36 | 22 | 32 |
| 59 | Chemical materials and products, n.e.s. | 124 | r207 | 211 | 43 | 54 | 47 |
| 61 | Leather, leather manufactures, n.e.s., and dressed fur skins | 85 | 74 | 64 | 42 | 48 | 49 |
| 62 | Rubber manufactures, n.e.s. | 199 | 229 | 198 | 33 | 34 | 32 |
| 63 | Cork and wood manufactures (excluding furniture) | 62 | 72 | 60 | 4 | 4 | 5 |
| 64 | Paper, paperboard, and articles of paper pulp, of paper, or of paperboard | 478 | 473 | 427 | 37 | 48 | 67 |
| 65 | Textile yarn, fabrics, made-up articles, n.e.s., and related products | 1013 | 963 | 921 | 62 | 73 | 84 |
| 66 | Non-metallic mineral manufactures, n.e.s. | 287 | 310 | 261 | 37 | 41 | 49 |
| 67 | Iron and steel | 323 | 337 | 263 | 130 | 204 | 269 |
| 68 | Non-ferrous metals | 118 | 117 | 108 | 1,140 | 1,076 | 941 |
| 69 | Manufactures of metal n.e.s. | 486 | 522 | 448 | 134 | 122 | 120 |
| 71 | Power generating machinery and equipment | 567 | r682 | 527 | 181 | 223 | 298 |
| 72 | Machinery specialised for particular industries | 839 | r975 | 713 | 54 | 81 | 68 |
| 73 | Metalworking machinery | 159 | 165 | 135 | 11 | 21 | 23 |
| 74 | General industrial machinery and equipment, n.e.s. and machine parts n.e.s. | 1,058 | r1,221 | 990 | 99 | 108 | 134 |
| 75 | Office machines and automatic data processing equipment | 409 | 449 | 483 | 21 | 29 | 31 |
| 76 | Telecommunications and sound recording and reproducing apparatus and equipment | 602 | 635 | 520 | 44 | 84 | 132 |
| 77 | Electrical machinery, apparatus, and appliances n.e.s., and electrical parts thereof | 899 | r1,055 | 892 | 84 | 95 | 116 |
| 78 | Road vehicles (including air cushion vehicles) | 1,676 | 1,842 | 1,400 | 160 | 241 | 549 |
| 79 | Other transport equipment | 443 | 362 | 657 | 77 | 33 | 81 |

**TABLE 8.29 CLASSIFICATION OF OVERSEAS IMPORTS AND EXPORTS,
VICTORIA - *continued***
(\$m)

| Division number | Description | Imports | | | Exports | | |
|--------------------|---|---------------|----------------|---------------|--------------|--------------|--------------|
| | | 1988-89 | 1989-90 | 1990-91 | 1988-89 | 1989-90r | 1990-91 |
| 81 | Sanitary, plumbing, heating, and lighting fixtures and fittings n.e.s. | 49 | r57 | 51 | 6 | 5 | 7 |
| 82 | Furniture and parts thereof | 89 | r109 | 93 | 9 | 9 | 8 |
| 83 | Travel goods, handbags, and similar containers | 62 | 70 | 68 | 2 | 2 | 1 |
| 84 | Articles of apparel and clothing accessories | 416 | 493 | 528 | 25 | 35 | 48 |
| 85 | Footwear | 186 | 201 | 218 | 5 | 11 | 11 |
| 87 | Professional, scientific and controlling instruments, and apparatus n.e.s. | 417 | 434 | 445 | 77 | 84 | 119 |
| 88 | Photographic apparatus, equipment and supplies and optical goods n.e.s.; watches and clocks | 273 | 292 | 289 | 151 | 133 | 147 |
| 89 | Miscellaneous manufactured articles n.e.s. | 798 | 838 | 828 | 101 | 141 | 116 |
| 9A | Commodities and transactions of merchandise trade n.e.c. | 917 | 648 | 482 | 907 | 930 | 1,624 |
| Total | | 15,968 | r16,791 | 14,907 | 8,519 | 8,523 | 8,804 |

**TABLE 8.30 OVERSEAS IMPORTS AND EXPORTS, COUNTRIES OF ORIGIN AND
CONSIGNMENT, VICTORIA**
(\$m)

| Description | Imports | | | Exports | | |
|---------------------------|---------|---------|---------|---------|---------|---------|
| | 1988-89 | 1989-90 | 1990-91 | 1988-89 | 1989-90 | 1990-91 |
| Bangladesh | 11 | 11 | 11 | 27 | 17 | 20 |
| Belgium-Luxembourg | 144 | 160 | 133 | 32 | 47 | 41 |
| Brazil | 191 | 127 | 128 | 9 | 9 | 4 |
| Canada | 321 | 318 | 239 | 93 | 79 | 94 |
| China - | | | | | | |
| Excluding Taiwan Province | 447 | 555 | 661 | 399 | 243 | 192 |
| Taiwan Province only | 735 | 714 | 646 | 311 | 357 | 400 |
| Czechoslovakia | 21 | 18 | 13 | 28 | 15 | 7 |
| Denmark | 83 | 97 | 76 | 6 | 10 | 5 |
| Egypt, Arab Republic of | 2 | 1 | 1 | 95 | 126 | 57 |
| Fiji | 7 | 22 | 18 | 58 | 89 | 108 |
| Finland | 144 | 138 | 119 | 5 | 4 | 5 |
| France | 339 | r376 | 453 | 201 | 165 | 151 |
| French Polynesia | * | * | * | 22 | 19 | 18 |
| Germany | r1,331 | r1,505 | 1,326 | r277 | r254 | 284 |
| Greece | 43 | 39 | 19 | 16 | 19 | 9 |
| Hong Kong | 315 | 293 | 256 | 502 | 422 | 346 |
| India | 96 | 108 | 99 | 105 | 105 | 84 |
| Indonesia | 111 | 108 | 113 | 83 | 122 | 167 |
| Iran | 3 | 4 | 5 | 61 | 144 | 93 |
| Iraq | * | - | - | 32 | 29 | 3 |

TABLE 8.30 OVERSEAS IMPORTS AND EXPORTS, COUNTRIES OF ORIGIN AND CONSIGNMENT, VICTORIA - *continued*
(\$m)

| Description | Imports | | | Exports | | |
|--------------------------|---------------|----------------|---------------|--------------|--------------|--------------|
| | 1988-89 | 1989-90 | 1990-91 | 1988-89 | 1989-90 | 1990-91 |
| Ireland | 27 | 29 | 30 | 2 | 2 | 3 |
| Israel | 47 | 52 | 40 | 16 | 10 | 5 |
| Italy | 493 | 594 | 437 | 226 | 246 | 202 |
| Japan | 3,172 | r3,316 | 2,679 | 1,791 | 1,415 | 1,561 |
| Korea, Republic of | 457 | 463 | 500 | 504 | 489 | 574 |
| Kuwait | 51 | 72 | 12 | 26 | 25 | 3 |
| Macau | 27 | 27 | 24 | * | 1 | 2 |
| Malaysia | 211 | 188 | 179 | 157 | 192 | 247 |
| Mauritius | * | r2 | 2 | 13 | 15 | 16 |
| Mexico | 27 | 35 | 35 | 13 | 41 | 16 |
| Nauru, Republic of | 27 | 17 | 7 | 10 | 13 | 16 |
| Netherlands | 194 | 155 | 168 | 41 | 79 | 29 |
| New Caledonia | * | - | - | 23 | 19 | 18 |
| New Zealand | 687 | 796 | 724 | 619 | 720 | 725 |
| Norway | 91 | 87 | 61 | 8 | 5 | 7 |
| Pakistan | 42 | 40 | 46 | 16 | 33 | 38 |
| Papua New Guinea | 30 | 26 | 24 | 155 | 171 | 143 |
| Philippines | 53 | 51 | 43 | 129 | 170 | 199 |
| Poland | 20 | 19 | 17 | 37 | 27 | 9 |
| Portugal | 27 | 30 | 26 | 17 | 13 | 8 |
| Samoa (American) | * | * | * | 14 | 12 | 20 |
| Saudi Arabia | 70 | 75 | 89 | 72 | 63 | 81 |
| Singapore | 317 | 345 | 376 | 319 | 332 | 517 |
| Solomon Islands | - | - | - | 9 | 12 | 7 |
| South Africa | 31 | 34 | 21 | 34 | 27 | 38 |
| Spain | 79 | 80 | 68 | 29 | 32 | 29 |
| Sri Lanka | 8 | 9 | 10 | 9 | 33 | 12 |
| Sweden | 332 | 360 | 257 | 12 | 22 | 21 |
| Switzerland | 159 | 185 | 192 | 10 | 9 | 27 |
| Thailand | 160 | 176 | 169 | 154 | 199 | 238 |
| Turkey | 11 | 31 | 13 | 16 | 17 | 12 |
| USSR | 19 | 16 | 8 | 260 | 170 | 89 |
| United Arab Emirates | 16 | * | - | 51 | 39 | 40 |
| United Kingdom | 1,190 | 1,083 | 1,042 | 281 | 430 | 280 |
| United States of America | 3,323 | r3,566 | 3,115 | 824 | 846 | 1,186 |
| Yemen Arab Republic | * | * | * | 13 | 29 | 17 |
| Yugoslavia | 21 | 22 | 18 | 32 | 23 | 9 |
| Other and unknown | r205 | r216 | 159 | r215 | r258 | 272 |
| Total | 15,968 | r16,791 | 14,907 | 8,519 | 8,514 | 8,804 |

TABLE 8.31 OVERSEAS IMPORTS BY COUNTRY OF ORIGIN AND EXPORTS BY COUNTRY OF CONSIGNMENT, VICTORIA, TOP TEN COUNTRIES FOR 1989-90
(*\$m*)

| <i>Imports</i> | | | <i>Exports</i> | | |
|----------------|--------------------|-------|----------------|--------------------|-------|
| 1 | USA | 3,115 | 1 | Japan | 1,561 |
| 2 | Japan | 2,679 | 2 | USA | 1,186 |
| 3 | Germany | 1,326 | 3 | New Zealand | 725 |
| 4 | United Kingdom | 1,042 | 4 | Taiwan | 646 |
| 5 | New Zealand | 724 | 5 | Korea, Republic of | 574 |
| 6 | China | 661 | 6 | Singapore | 517 |
| 7 | Taiwan | 646 | 7 | Hong Kong | 346 |
| 8 | Korea, Republic of | 500 | 8 | Germany | 284 |
| 9 | France | 453 | 9 | United Kingdom | 280 |
| 10 | Italy | 437 | 10 | Malaysia | 247 |

REFERENCES

Data sources

The latest year for which ABS estimates are available for State Gross Domestic Product (GDP) at factor cost is 1985-86. In order to bring the series up to 1986-87, use was made of estimates for gross operating surplus prepared by the Victorian Department of Management and Budget.

Wholesale trade statistics were last produced from a Wholesale Trade Survey which the ABS conducted in respect of the year 1981-82.

Retail trade statistics are collected by the ABS through periodical censuses and regular sample surveys. Statistics on the performance and structure of the retail sector have been compiled from periodical censuses for the years 1947-48, 1948-49, 1952-53, 1956-57, 1961-62, 1968-69, 1973-74, 1979-80, and 1985-86.

The CPI measures quarterly changes in the price of a 'basket' of goods and services which account for a high proportion of expenditure by 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. Each group is in turn divided into sub groups, and the sub groups into expenditure classes.

Producer Price Indexes were formerly described as Wholesale Price Indexes. Index numbers for each month, together with more detailed information concerning the methods used in compiling these indexes, are shown in the bulletins published for each index. For further information refer to the Victorian Year Book 1986, pages 331-7.

The ABS has conducted four surveys of household expenditure to obtain data about the expenditure patterns of private households. These took place during 1974-75, 1975-76, 1984 and 1988-89. Note that comparison of results between Surveys must be made with care as there are significant methodological and conceptual differences. Further information on the 1974-75 and 1975-76 surveys can be found in the Victorian Year Book 1979, pages 505-10.

Overseas trade statistics are compiled by the Australian Bureau of Statistics from documentation submitted by exporters or importers, or their agents, to the Australian Customs Service, as required by the Customs Act.

The statistics presented in this chapter are recorded on a *general trade basis*, i.e. total exports include

both Australian produce and re-exports, and total imports comprise goods entered directly for domestic consumption, together with goods imported into customs warehouses.

State statistics for exports comprise State of origin or State of final shipment. 'State of origin' is defined as the State in which the final stage of production or manufacture occurs. For imports, the State is that in which the import entry was lodged with the Australian Customs Service.

ABS publications

- Small Business in Australia, 1990* (1321.0)
- Balance of Payments, Australia* (5301.0)
- Foreign Trade, Australia, Part 2: Comparative and Summary Tables* (5410.0)
- Exports and Imports, Australia: Trade with Selected Countries and Major Country Groups* (5422.0)
- Exports of Major Commodities and Their Principal Markets, Australia* (5423.0)
- Exports, Australia: Annual Summary Tables* (5424.0)
- Imports, Australia: Annual Summary Tables* (5426.0)
- Exports, Australia, Monthly Summary Tables* (5432.0)
- Imports, Australia, Monthly Summary Tables* (5433.0)
- Exports, Australia* (5434.0)
- Imports, Australia* (5435.0)
- Foreign Trade, Australia, Exports* (5436.0)
- Foreign Trade, Australia, Imports* (5437.0)
- Consumer Price Index (quarterly)* (6401.0)
- Average Retail Prices of Selected Items, Eight Capital Cities (quarterly)* (6403.0)
- Export Price Index, Australia (monthly)* (6405.0)
- Price Index of Materials Used in Building Other than House Building, Six State Capital Cities and Darwin (monthly)* (6407.0)
- Price Index of Materials Used in House Building, Six State Capital Cities (monthly)* (6408.0)
- Price Indexes of Copper Materials, Australia (monthly)* (6410.0)
- Price Indexes of Materials Used in Manufacturing Industries, Australia (monthly)* (6411.0)
- Price Indexes of Articles Produced by Manufacturing Industry, Australia (monthly)* (6412.0)
- Import Price Index, Australia (quarterly)* (6414.0)
- Price Indexes of Materials Used in Coal Mining, Australia (monthly)* (6415.0)
- House Price Indexes, Eight Capital Cities (quarterly)* (6416.0)
- A guide to the Consumer Price Index* (6440.0)
- The Australian Consumer Price Index: Concepts, Sources and Methods* (6461.0)
- 1984 Household Expenditure Survey, Victoria* (6501.2)
- Information Paper: 1984 Household Expenditure Survey* (6527.0)
- 1988-89 Household Expenditure Survey, Australia*
 - Preliminary (June to December)* (6528.0)
 - Summary of Results* (6530.0)
 - Household Characteristics* (6531.0)
 - Specific Commodities* (6532.0)
 - Household Expenditure by States and Territories* (6533.0)
 - Consumer Credit Expenditure* (6534.0)
 - Detailed Expenditure Items* (6535.0)
 - Changes in Household Expenditure between 1975-76 and 1988-89* (6536.0)
 - Information Paper: Sample File on Magnetic Tape* (6544.0)
- Retail Trade, Australia, (monthly)* (8501.0)
- Retail Industry: Details of Operations, Australia, 1985-86, (8622.0)*
- Retail Industry: Details of Operations, Victoria, 1985-86, (8622.2)*
- Retail Industry: Small Area Statistics, Victoria, 1985-86, (8623.2)*
- Retail Industry: Small Area Statistics, Victoria, 1985-86, Data on Floppy Disk, Technical Details and Explanatory Notes* (8641.2)
- Wholesale Establishments: Details of Operations by Industry Class, Australia, 1981-82* (8638.0)

Selected Tourism and Personal Service Industries

- Summary of Operations, Australia, 1986-87, Preliminary (8650.0)*
- 1986-87) Motor Vehicle Hire Industry, Australia (8652.0)*
- 1986-87 Travel Agency Services Industry, Australia (8653.0)*
- 1986-87 Motion Picture Theatre Industry, Australia (8654.0)*
- 1986-87 Cafes and Restaurants Industry, Australia (8655.0)*
- 1986-87 Hotels and Bars and Accommodation Industries, Australia (8656.0)*
- 1986-87 Licensed Clubs Industry, Australia (8657.0)*
- 1986-87 Laundries and Dry Cleaners Industry, Australia (8658.0)*
- 1986-87 Hairdressers and Beauty Salons Industry, Australia (8659.0)*
- 1986-87 Photographic Services Industry, Australia (8660.0)*
- 1986-87 Tourist Attractions (8661.0)*
- Selected Service Industries, 1987-88*
- Professional and Business Services, Summary Statistics, Australia, 1987-88 (8662.0)*
- 1987-88 Computing Services Industry, Australia (8669.0)*
- 1987-88 Advertising Services Industry, Australia (8670.0)*
- 1987-88 Accounting Services Industry, Australia (8668.0)*
- 1987-88 Legal Services Industry, Australia (8667.0)*
- 1987-88 Cleaning Services Industry, Australia (8672.0)*
- 1987-88 Security/Protection and Other Business Services Industries, Australia (8673.0)*
- 1987-88 Pest Control Services Industry, Australia (8671.0)*
- 1987-88 Surveying Services Industry, Australia (8665.0)*
- 1987-88 Real Estate Agents Industry, Australia (8663.0)*

9 Finance



INTRODUCTION

This chapter provides details of the financial activities of the Victorian State Government, Victorian local government authorities, and those of some financial institutions operating in Victoria, such as banks, building societies, credit co-operative societies, and the Australian Stock Exchange (Melbourne) Limited.

Public finance

Three levels of government, Commonwealth, State, and Local, collectively constitute the public sector in Australia. The public sector finance statistics presented in this chapter exclude public financial enterprises (government savings banks, insurance offices, etc.).

State government enterprises discussed in this chapter include the central government of Victoria, statutory bodies created by or under State legislation to carry out activities on behalf of the central government, and incorporated organisations in which the central government has a controlling interest.

The public finance tables in this chapter cover the State government and Local government components of the non-financial public sector. A series of summary tables show, on a consolidated basis, revenue, outlays and financing transactions and the purposes that are being served by government expenditure programs.

State Government

The overall financial position of the Victorian State Government in 1989-90 was reflected in the annual deficit of \$2,304.9m, a 45 per cent or \$717.2m increase from the 1988-89 deficit of \$1,587.7m. Total current and capital outlays increased by \$1,585.2m in 1989-90 to \$17,238.1m, whereas total revenue and grants received increased by \$793.2m. In 1989-90 the net financing requirement (NFR) was \$2,387.4m, which was an increase of 49.5 per cent on the previous year (\$1,596.6m). The NFR is financing transactions less net advances received from the Commonwealth Government and increases in provisions. The term *net* in NFR indicates that the measure includes the net result of changes in financial assets and liabilities, that borrowings are net of repayments, and that receipts are net of payments.

Outlays

Current outlays by the Victorian State government in 1989-90 were \$13,988.7m, which was an increase of 9 per cent on the previous year (\$12,827.4m). The largest component of this outlay was final consumption expenditure which was \$8,239.3m. In 1989-90 interest payments were \$3,212.5m, an 11 per cent increase on 1988-89 (\$2,902.0m). Current grants of \$1,262.3m constituted a 9 per cent increase on 1988-89 (\$1,160.2m).

In 1989-90 government final consumption expenditure on education and on health was \$3,371.5m and \$2,457.1m respectively, constituting 41 per cent and 30 per cent of total government final consumption expenditure of \$8,239.3m. Final consumption expenditure on public order and safety increased 17 per cent to \$778.4m. Final consumption expenditure on road transport increased 17 per cent to \$219.1m, while expenditure on social services and welfare increased 18 per cent to \$197.6m.

TABLE 9.1 STATE GOVERNMENT - SUMMARY OF TRANSACTIONS CLASSIFIED BY ECONOMIC TRANSACTIONS FRAMEWORK
(\$ million)

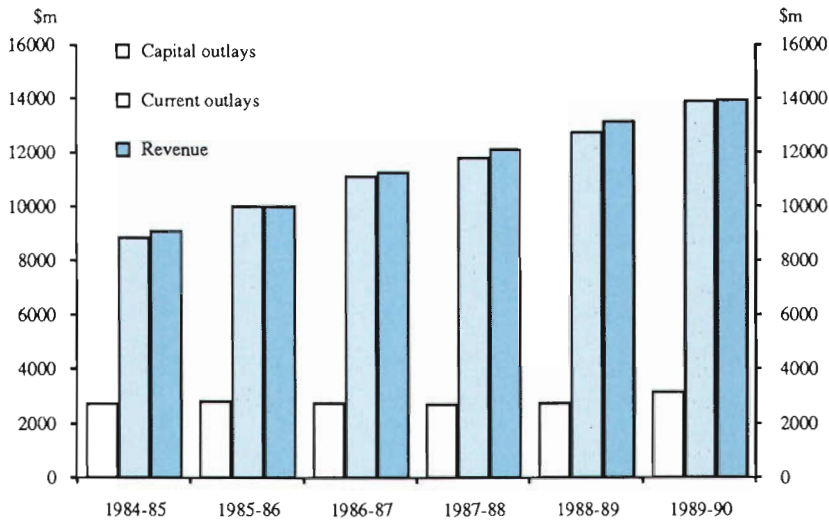
| | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|---|---------|----------|----------|----------|----------|----------|
| Current outlays - | 8,924.3 | 10,078.4 | 11,196.0 | 11,893.4 | 12,827.4 | 13,988.7 |
| General government final consumption expenditure | 5,380.0 | 5,926.9 | 6,477.9 | 6,989.6 | 7,557.0 | 8,239.3 |
| Required current transfer payments | | | | | | |
| interest payments | 1,889.0 | 2,251.5 | 2,521.2 | 2,785.4 | 2,902.0 | 3,212.5 |
| other | - | - | - | 4.8 | 19.2 | 21.6 |
| Unrequited current transfer payments - | | | | | | |
| Subsidies paid to enterprises | 687.5 | 867.8 | 1,084.3 | 871.2 | 953.1 | 1,000.6 |
| Personal benefit payments | 122.0 | 122.8 | 126.3 | 183.6 | 235.9 | 252.5 |
| Current grants - | 843.8 | 909.5 | 981.0 | 1,054.8 | 1,160.2 | 1,262.3 |
| to non-profit institutions | 577.6 | 626.0 | 699.6 | 735.8 | 822.1 | 905.8 |
| to local authorities | 265.9 | 283.3 | 281.2 | 318.8 | 337.1 | 354.9 |
| Other current transfer payments | 1.7 | -0.5 | 5.1 | 4.0 | - | - |
| Capital outlays - | 2,801.2 | 2,892.9 | 2,843.4 | 2,790.2 | 2,825.5 | 3,249.4 |
| Gross fixed capital expenditure - | 2,549.2 | 2,694.8 | 2,642.7 | 2,482.2 | 2,728.0 | 3,008.9 |
| Expenditure on new fixed assets | 2,623.2 | 2,755.7 | 2,818.5 | 2,765.5 | 3,037.5 | 3,299.8 |
| Expenditure on secondhand fixed assets (net) | -74.0 | -61.0 | -175.9 | -283.3 | -309.5 | -291.0 |
| Increase in stocks | 24.0 | 31.2 | 18.9 | 32.3 | 32.5 | 36.6 |
| Expenditure on land and intangible assets (net) | 45.7 | -41.4 | 6.6 | 76.8 | -103.3 | 64.0 |
| Capital transfer payments - | 237.7 | 199.6 | 139.4 | 173.1 | 189.0 | 214.9 |
| Capital grants - | | | | | | |
| to Local government | 164.9 | 118.2 | 90.9 | 115.3 | 131.2 | 141.3 |
| to other sectors | 37.2 | 65.1 | 38.1 | 51.4 | 56.4 | 70.5 |
| Other capital transfer payments | 35.7 | 16.3 | 10.4 | 6.4 | 1.4 | 3.1 |
| Advances paid (net) - | -55.4 | 8.8 | 35.8 | 25.9 | -20.7 | -74.9 |
| to Local governments | 2.6 | 2.5 | -0.5 | -1.7 | -5.5 | -4.5 |
| to other sectors | -58.1 | 6.3 | 36.3 | 27.6 | -15.2 | -70.4 |
| Revenue and grants received - | 9,177.4 | 10,078.5 | 11,346.7 | 12,201.4 | 13,234.1 | 14,027.3 |
| Taxes, fees, and fines | 3,153.4 | 3,445.8 | 3,888.7 | 4,437.4 | 5,064.9 | 5,438.3 |
| Net operating surpluses of public trading enterprises | 786.4 | 1,005.2 | 1,501.2 | 1,512.3 | 1,643.2 | 1,735.0 |
| Property income and other revenue | 454.1 | 523.9 | 562.2 | 589.1 | 771.9 | 782.9 |
| Grants received from Commonwealth Government | 4,783.6 | 5,103.5 | 5,394.6 | 5,662.5 | 5,754.1 | 6,071.2 |
| Financing transactions - | 2,548.0 | 2,892.8 | 2,692.7 | 2,482.2 | 2,418.8 | 3,210.8 |
| Increase in provisions | 668.1 | 716.0 | 707.2 | 729.3 | 831.2 | 906.0 |
| Deficit | 1,879.9 | 2,176.9 | 1,985.5 | 1,362.8 | 1,587.7 | 2,304.9 |
| Deficit financing - | | | | | | |
| Net advances received from Commonwealth Government | 181.4 | 177.7 | 117.0 | 15.4 | -8.9 | -82.5 |
| Other deficit financing | 1,698.5 | 1,999.2 | 1,868.5 | 1,347.4 | 1,596.6 | 2,387.4 |

Capital outlays in 1989-90 were \$3,249.4m, an increase of 15 per cent on 1988-89 (\$2,825.5m). New fixed assets expenditure on fuel and energy was \$989.9m, an increase of 13 per cent on 1988-89 (\$874.5m). The new fixed assets expenditure on transport and communications of \$645.6m in 1989-90 was an increase of 9 per cent on 1988-89 (\$593.1m). Expenditure on land and intangible assets (net) was \$64.0m in 1989-90, a net increase of \$167.3m on 1988-89 (-\$103.3m).

Revenue

Revenue and grants received by the State government in 1989-90 were \$14,027.3m, a 6 per cent increase on 1988-89 (\$13,234.1m). The amount received from the Commonwealth Government in the form of grants was \$6,071.2m or 43 per cent, while \$5,438.3m. was received as taxes, fees, and fines (39 per cent).

**SUMMARY OF CAPITAL AND CURRENT OUTLAYS
AND REVENUE AND GRANTS RECEIVED, VICTORIA**



**TABLE 9.2 STATE GOVERNMENT - GENERAL GOVERNMENT FINAL CONSUMPTION
EXPENDITURE CLASSIFIED BY GOVERNMENT PURPOSE, VICTORIA
(\$ million)**

| | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|--|---------|---------|---------|---------|---------|---------|
| General public services | 435.2 | 502.1 | 623.5 | 719.2 | 771.6 | 780.7 |
| Public order and safety | 468.0 | 536.9 | 564.7 | 605.1 | 664.5 | 778.4 |
| Education - | 2,341.2 | 2,603.5 | 2,763.8 | 2,925.4 | 3,137.5 | 3,371.5 |
| Primary and secondary education | 1,464.9 | 1,545.5 | 1,605.1 | 1,633.2 | 1,830.4 | 1,922.0 |
| Tertiary | 730.5 | 878.5 | 949.0 | 1,044.9 | 1,108.0 | 1,241.3 |
| Other | 145.8 | 179.4 | 209.6 | 247.3 | 199.2 | 208.1 |
| Health - | 1,475.8 | 1,616.8 | 1,817.1 | 2,050.1 | 2,232.4 | 2,457.1 |
| Hospital and other institutional services and benefits | 1,328.7 | 1,478.4 | 1,671.5 | 1,884.2 | 2,008.8 | 2,193.1 |

**TABLE 9.2 STATE GOVERNMENT - GENERAL GOVERNMENT FINAL CONSUMPTION
EXPENDITURE CLASSIFIED BY GOVERNMENT PURPOSE, VICTORIA - *continued***
(\$ million)

| | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Clinics and other non-institutional services and benefits | 54.8 | 35.3 | 32.3 | 27.1 | 30.1 | 36.4 |
| Other | 92.2 | 103.1 | 113.4 | 138.7 | 193.5 | 227.7 |
| Social security and welfare | 89.7 | 102.6 | 138.8 | 135.2 | 168.0 | 197.6 |
| Housing and community amenities - | 45.4 | 40.3 | 43.9 | 45.2 | 46.9 | 55.1 |
| Housing and community development | 33.7 | 30.8 | 36.5 | 37.8 | 41.2 | 43.7 |
| Water supply | 1.4 | 1.5 | 0.7 | 1.7 | 1.2 | 1.1 |
| Sanitation and protection of the environment | 10.2 | 8.0 | 6.7 | 5.6 | 4.5 | 10.3 |
| Other community amenities | - | - | 0.1 | 0.1 | - | - |
| Recreation and culture | 77.4 | 101.3 | 100.0 | 99.7 | 140.7 | 144.3 |
| Fuel and energy - | 2.9 | 4.2 | 5.9 | 7.3 | 7.2 | 16.4 |
| Fuel affairs and services | 0.3 | -0.3 | -0.3 | 0.7 | 0.3 | 0.7 |
| Electricity and other energy | 0.1 | 0.5 | 0.6 | 0.6 | 1.1 | 0.8 |
| Fuel and energy n.e.c. | 2.6 | 4.1 | 5.6 | 6.0 | 5.7 | 14.8 |
| Agriculture, forestry, fishing, and hunting | 145.1 | 127.8 | 133.9 | 144.6 | 122.7 | 138.7 |
| Mining, manufacturing, and construction | 7.1 | 5.2 | 5.6 | 6.4 | 6.5 | 4.3 |
| Transport and communications - | 162.5 | 186.6 | 193.9 | 168.5 | 194.4 | 230.7 |
| Road transport | 142.7 | 168.7 | 185.7 | 166.3 | 187.4 | 219.1 |
| Water transport | 2.9 | 2.6 | -10.9 | -10.6 | -5.3 | 0.4 |
| Rail transport | 0.1 | - | - | - | - | - |
| Other | 16.9 | 15.4 | 19.1 | 12.8 | 12.4 | 11.2 |
| Other economic affairs | 125.2 | 95.2 | 83.6 | 78.2 | 59.7 | 60.5 |
| Other purposes | 4.7 | 4.4 | 3.1 | 4.7 | 4.9 | 4.1 |
| Total | 5,380.0 | 5,926.9 | 6,477.9 | 6,989.6 | 7,557.0 | 8,239.3 |

**TABLE 9.3 STATE GOVERNMENT - EXPENDITURE ON NEW FIXED ASSETS
CLASSIFIED BY GOVERNMENT PURPOSE, VICTORIA**
(\$ million)

| | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|---|---------|---------|---------|---------|---------|---------|
| General public services | 13.2 | 20.4 | 18.5 | 10.9 | 6.6 | 23.8 |
| Defence | 1.2 | 0.3 | 0.4 | - | - | - |
| Public order and safety | 66.6 | 90.5 | 114.1 | 144.2 | 142.8 | 124.4 |
| Education - | 240.4 | 247.2 | 260.5 | 226.6 | 228.4 | 243.2 |
| Primary and secondary education | 119.7 | 113.9 | 103.8 | 83.5 | 90.4 | 111.6 |
| Tertiary education | 107.1 | 118.9 | 145.6 | 130.7 | 125.2 | 115.2 |
| Other | 13.7 | 14.4 | 11.2 | 12.4 | 12.8 | 16.4 |
| Health - | 102.3 | 125.3 | 135.1 | 160.2 | 189.3 | 205.0 |
| Hospital and other institutional services and benefits | 98.2 | 115.6 | 125.4 | 154.7 | 180.6 | 195.9 |
| Clinics and other non-institutional services and benefits | - | 2.3 | 1.5 | 0.8 | - | 0.7 |
| Other | 4.1 | 7.4 | 8.3 | 4.7 | 8.7 | 8.3 |
| Social security and welfare | 3.7 | 6.7 | 6.3 | 11.5 | 11.2 | 9.1 |
| Housing and community amenities - | 589.2 | 634.1 | 705.8 | 722.3 | 814.6 | 885.9 |
| Housing and community development | 203.6 | 258.2 | 287.0 | 285.2 | 330.7 | 363.7 |
| Water supply | 176.9 | 157.3 | 171.6 | 173.0 | 203.9 | 220.5 |
| Sanitation and protection of the environment | 208.7 | 218.6 | 247.2 | 264.1 | 280.1 | 301.7 |

**TABLE 9.3 STATE GOVERNMENT - EXPENDITURE ON NEW FIXED ASSETS
CLASSIFIED BY GOVERNMENT PURPOSE, VICTORIA - *continued***
(\$ million)

| | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Recreation and culture | 26.1 | 37.6 | 59.8 | 68.1 | 87.0 | 83.5 |
| Fuel and energy - | 712.3 | 704.4 | 569.4 | 686.1 | 874.5 | 989.9 |
| Fuel affairs and services | 84.0 | 103.0 | 97.2 | 84.0 | 115.7 | 199.2 |
| Electricity and other energy | 628.2 | 601.1 | 472.1 | 601.9 | 758.5 | 790.5 |
| Fuel and energy n.e.c. | - | 0.2 | 0.2 | 0.1 | 0.3 | 0.2 |
| Agriculture, forestry, fishing, and hunting | 35.3 | 36.1 | 42.4 | 51.0 | 60.8 | 61.9 |
| Mining, manufacturing, and construction | 99.9 | 110.4 | 154.0 | 105.8 | 8.7 | 8.0 |
| Transport and communications - | 707.2 | 709.2 | 728.9 | 545.0 | 593.1 | 645.6 |
| Road transport | 304.1 | 394.2 | 402.6 | 298.5 | 336.5 | 340.7 |
| Water transport | 30.0 | 24.0 | 23.9 | 15.8 | 17.8 | 35.2 |
| Rail transport | 134.5 | 100.6 | 100.0 | 99.2 | 83.4 | 83.6 |
| Other | 238.7 | 190.4 | 202.4 | 131.5 | 155.4 | 186.1 |
| Other economic affairs | 25.8 | 33.5 | 23.2 | 32.5 | 17.5 | 15.2 |
| Other purposes | - | 0.1 | - | 1.1 | 2.8 | 4.4 |
| Total | 2,623.2 | 2,755.7 | 2,818.5 | 2,765.5 | 3,037.5 | 3,299.8 |
| Comprised of - | | | | | | |
| General government | 824.8 | 993.4 | 1,063.2 | 1,016.5 | 1,095.0 | 1,101.2 |
| Public trading enterprises | 1,798.4 | 1,762.3 | 1,755.4 | 1,749.0 | 1,942.5 | 2,198.6 |

In 1989-90 taxes, fees and fines totalled \$5,438.4m, an increase of 7 per cent on the 1988-89 figure of \$5,064.9m. Employers' payroll tax was the largest single item of taxation, being 29 per cent of the total. The actual amount of payroll tax collected in 1989-90 was \$1,553.7m, an increase of 11 per cent on 1988-89 (\$1,403.8m). Land taxes increased by 33 per cent, from \$230.2m in 1988-89 to \$306.9m in 1989-90. Taxes on financial and capital transactions (stamp duties and financial institutions' taxes) were \$1,215.9m in 1989-90, a decrease of 14 per cent on 1988-89 (\$1,418.9). Taxes on provision of goods and services (levies on statutory corporations, taxes on gambling and insurance) totalled \$1,009.9m in 1989-90, an increase of 13 per cent on 1988-89 (\$893.5m). Petroleum products franchise taxes showed a 29 per cent increase from \$228.1m in 1988-89 to \$294.9m in 1989-90.

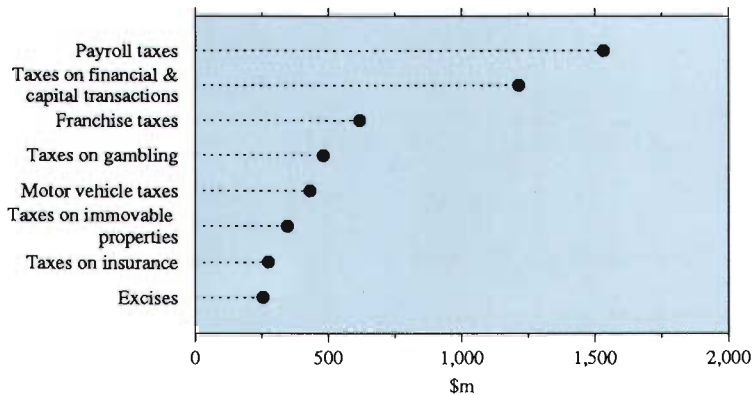
TABLE 9.4 STATE GOVERNMENT TAXES, FEES, AND FINES BY TYPE, VICTORIA
(\$ million)

| | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|--|---------|---------|---------|---------|---------|---------|
| Employers' payroll taxes | 924.8 | 1,029.8 | 1,108.4 | 1,230.9 | 1,403.8 | 1,553.7 |
| Taxes on property - | 757.3 | 887.4 | 1,046.5 | 1,361.0 | 1,685.2 | 1,562.6 |
| Taxes on immovable property - | 178.7 | 210.6 | 225.6 | 242.6 | 265.7 | 346.0 |
| Land taxes | 153.3 | 183.0 | 195.3 | 209.5 | 230.2 | 306.9 |
| Metropolitan improvement rates | 25.4 | 27.6 | 30.3 | 33.1 | 35.5 | 39.1 |
| Estate inheritance and gift duty | 8.5 | 2.2 | 1.8 | 0.7 | 0.6 | 0.6 |
| Taxes on financial and capital transactions - | 570.1 | 674.7 | 819.1 | 1,117.8 | 1,418.9 | 1,215.9 |
| Stamp duties | 479.4 | 569.7 | 699.5 | 978.3 | 1,259.9 | 1,033.3 |
| Financial institutions' taxes | 90.7 | 105.0 | 119.5 | 139.4 | 159.0 | 182.6 |
| Taxes on provision of goods and services - | 687.4 | 682.2 | 778.6 | 831.6 | 893.5 | 1,009.9 |
| Excises (levies on statutory corporations) | 165.1 | 178.8 | 217.9 | 212.1 | 228.0 | 254.1 |

**TABLE 9.4 STATE GOVERNMENT TAXES, FEES, AND FINES BY TYPE,
VICTORIA - *continued***
(\$ million)

| | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Taxes on gambling - | 298.6 | 311.6 | 352.5 | 386.0 | 412.5 | 481.6 |
| Taxes on private lotteries | 183.3 | 180.0 | 208.1 | 226.4 | 234.4 | 278.9 |
| Race betting taxes | 112.3 | 128.5 | 140.9 | 155.3 | 172.2 | 195.3 |
| Taxes on gambling n.e.c. | 3.0 | 3.1 | 3.4 | 4.4 | 5.8 | 7.3 |
| Taxes on insurance - | 223.8 | 191.8 | 208.2 | 233.5 | 253.0 | 274.2 |
| Insurance companies' contributions to fire brigades | 83.5 | 92.3 | 105.6 | 114.7 | 122.0 | 134.9 |
| Third party insurance taxes | 10.3 | - | - | - | - | - |
| Taxes on insurance n.e.c. | 130.0 | 99.5 | 102.7 | 118.8 | 130.9 | 139.4 |
| Taxes on use of goods and performance of activities - | 705.1 | 772.8 | 840.9 | 897.9 | 918.8 | 1,057.7 |
| Motor vehicle taxes - | 359.8 | 389.2 | 410.2 | 426.0 | 419.1 | 431.8 |
| Vehicle registration fees and taxes | 177.7 | 190.4 | 202.7 | 196.6 | 148.2 | 124.4 |
| Stamp duty on vehicle registration | 133.5 | 151.4 | 163.4 | 180.7 | 219.1 | 248.1 |
| Drivers' licences | 48.6 | 47.4 | 44.1 | 48.6 | 51.9 | 59.3 |
| Franchise taxes - | 372.4 | 403.2 | 416.7 | 455.6 | 494.1 | 618.4 |
| Gas franchise taxes | 0.2 | 0.1 | 0.3 | 0.1 | - | - |
| Petroleum products franchise taxes | 192.4 | 210.8 | 214.6 | 237.5 | 228.1 | 294.9 |
| Tobacco franchise taxes | 104.6 | 111.5 | 113.4 | 123.6 | 151.9 | 203.8 |
| Liquor franchise taxes | 75.2 | 80.7 | 88.4 | 94.4 | 114.1 | 119.7 |
| Other taxes on use of goods etc | -27.1 | -19.5 | 14.0 | 16.3 | 5.5 | 7.5 |
| Fees and fines | 78.7 | 73.6 | 114.3 | 115.9 | 163.6 | 254.5 |
| Compulsory Fees | 33.1 | 31.4 | 64.5 | 66.7 | 111.2 | 189.0 |
| Tertiary Education Fees | - | - | 28.4 | 31.8 | 86.1 | 164.5 |
| Fines | 45.6 | 42.2 | 49.8 | 49.2 | 52.5 | 65.5 |
| Total | 3,153.4 | 3,445.8 | 3,888.7 | 4,437.4 | 5,064.9 | 5,438.4 |

STATE TAXATION VICTORIA, 1989-90



Commonwealth Government payments to Victoria

The Commonwealth Government has made payments of various kinds to the States since Federation. With the introduction in 1942 of the uniform tax arrangements (under which the Commonwealth became the sole Government imposing taxes on income) the Commonwealth Government began to make annual tax reimbursement grants to the States. Specific purpose payments to the States also increased, reflecting the extending range of government activities.

Tax reimbursement grants were replaced in 1959-60 by 'financial assistance grants' which continued up to the year 1975-76. Since 1976-77 general revenue grants to the States have included local government and have been based on shares of Commonwealth tax. In 1978 legislation was passed giving States the right to either impose a surcharge or grant a rebate on personal income tax to be collected or paid by the Commonwealth on behalf of the State.

As part of changes to its fiscal policy, the Commonwealth Government in 1985-86 discontinued the tax sharing agreements with the States under which general revenue grants to the States were determined for a period of three to five years. Since 1985-86 these grants have been determined on a yearly basis.

Payments by the Commonwealth, under the tax sharing policy, to local government are in the form of untied grants for general purpose assistance, paid in the first instance to the States for passing on to local government municipalities. The Victoria Grants Commission, formally constituted in 1977, has as its primary role the allocation of this grant between municipalities in Victoria. There are also direct payments by the Commonwealth Government to local government authorities, in addition to Commonwealth programs under which a portion of funds made available to the States is passed on to local government authorities. Further details of the Commonwealth Government relations with the States and local government are contained in *Commonwealth Budget Paper No 4: Commonwealth Financial Relations with other levels of Government 1991-92*.

General purpose grants, both capital and recurrent from the Commonwealth to Victoria in 1989-90 totalled \$2,781.6m, a 1 per cent increase from the \$2,746.6m in 1988-89. Specific purpose grants for recurrent and capital purposes in 1989-90 totalled \$3,289.7m, a 9 per cent increase on the 1988-89 figure of \$3,006.6m. Education (\$1,370.4m), Health (\$935.3m), and Transport (\$280.4m) together comprised 79 per cent of total specific purpose grants.

In addition to these grants the Commonwealth Government also made repayable advances to the States for various purposes. Total net advances to Victoria were \$-82.5m in 1989-90, a decrease from -\$8.9m in 1988-89.

TABLE 9.5 COMMONWEALTH GOVERNMENT PAYMENTS TO THE STATE AND LOCAL GOVERNMENT AUTHORITIES VICTORIA (a)
(\$ million)

| <i>Nature of Payment</i> | <i>1984-85</i> | <i>1985-86</i> | <i>1986-87</i> | <i>1987-88</i> | <i>1988-89</i> | <i>1989-90</i> |
|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| General revenue funds - | | | | | | |
| Tax sharing grants | 2,019.9 | - | - | - | - | - |
| Financial assistance grants | - | 2,248.3 | 2,494.0 | 2,667.3 | 2,661.2 | 2,710.1 |
| Special revenue assistance | 31.0 | - | 0.4 | 3.6 | 13.9 | - |
| Health grants | 344.2 | 371.0 | 411.9 | 441.6 | - | - |
| General revenue | 2,395.1 | 2,619.3 | 2,906.3 | 3,112.5 | 2,675.1 | 2,710.1 |

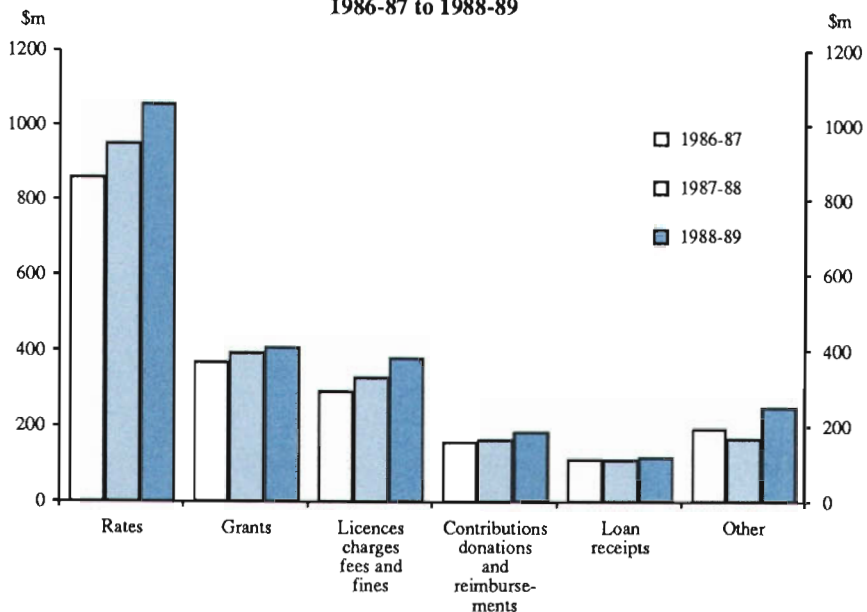
TABLE 9.5 COMMONWEALTH GOVERNMENT PAYMENTS TO THE STATE AND LOCAL GOVERNMENT AUTHORITIES VICTORIA (a)- continued
(\$ million)

| <i>Nature of Payment</i> | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| General purpose capital funds - | | | | | | |
| Capital works grant | 131.0 | 140.2 | 107.9 | 48.3 | 71.5 | 71.5 |
| Specific purpose grants for | | | | | | |
| recurrent and capital purposes - | | | | | | |
| Interest on State debt | 4.3 | - | - | - | - | - |
| Sinking fund on State debt (b) | 11.8 | 12.3 | 12.7 | 12.8 | 12.7 | 12.5 |
| Education | 1,095.6 | 1,161.8 | 1,203.2 | 1,284.6 | 1,294.8 | 1,370.4 |
| Health | 254.4 | 279.1 | 300.4 | 342.5 | 854.2 | 935.3 |
| Social security and welfare | 33.6 | 39.5 | 53.3 | 71.2 | 75.0 | 95.9 |
| Housing and Community Amenities nec | 143.5 | 148.9 | 158.2 | 160.4 | 157.9 | 215.1 |
| Transport | 267.5 | 253.9 | 254.0 | 250.3 | 296.4 | 280.4 |
| Industry Assistance and Development | 14.4 | 17.6 | 30.1 | 20.3 | 19.6 | 22.6 |
| Culture and Recreation | 6.1 | 6.1 | 5.8 | 5.5 | 3.1 | 0.6 |
| Labour and Employment | 94.4 | 68.7 | 46.2 | 23.6 | 0.3 | 0.1 |
| Local government general purpose assistance | 123.8 | 136.4 | 147.7 | 165.8 | 172.7 | 177.2 |
| Other economic affairs and purposes | 15.9 | 221.8 | 167.1 | 164.3 | 120.0 | 179.6 |
| Specific purpose | 2,065.3 | 2,346.1 | 2,378.7 | 2,501.3 | 3,006.6 | 3,289.7 |
| General purpose | 2,526.1 | 2,759.5 | 3,014.2 | 3,160.8 | 2,746.6 | 2,781.6 |
| Total Commonwealth payments | 4,591.4 | 5,105.6 | 5,392.9 | 5,662.1 | 5,753.2 | 6,071.3 |

(a) Excludes subsidies and bounties to primary producers, and cash benefits payments to persons in Victoria paid by Commonwealth departments.

(b) Paid to National Debt Sinking Fund.

**LOCAL GOVERNMENT ORDINARY SERVICES -
REVENUE ALL SOURCES, VICTORIA
1986-87 to 1988-89**



**TABLE 9.6 VICTORIAN LOCAL GOVERNMENT: ORDINARY SERVICES REVENUE,
LOAN RECEIPTS, AND OUTLAYS (a)**

| Particulars | 1986-87 | | 1987-88 | | 1988-89 | |
|---|------------------|--------------|------------------|--------------|------------------|--------------|
| | \$'000 | Per cent | \$'000 | Per cent | \$'000 | Per cent |
| Revenue - | | | | | | |
| Rates (incl. penalties); ex-gratia receipts | 867,069 | 43.0 | 956,223 | 44.6 | 1,059,729 | 43.8 |
| Garbage (incl. rates and charges) | 47,053 | 2.3 | 55,831 | 2.6 | 62,815 | 2.6 |
| Other charges | 192,517 | 9.5 | 210,238 | 9.8 | 243,004 | 10.0 |
| Government grants - | | | | | | |
| General purpose | 149,630 | 7.4 | 165,092 | 7.7 | 172,668 | 7.1 |
| Specific purpose - | | | | | | |
| Capital | 75,006 | 3.7 | 76,314 | 3.6 | 67,130 | 2.8 |
| Current | 149,689 | 7.4 | 157,363 | 7.3 | 173,010 | 7.1 |
| Licences, fees, and fines | 57,935 | 2.9 | 67,939 | 3.2 | 78,804 | 3.3 |
| Interest received | 95,029 | 4.7 | 78,099 | 3.6 | 121,765 | 5.0 |
| Contributions, donations | 43,398 | 2.2 | 45,762 | 2.1 | 50,298 | 2.1 |
| Reimbursements - | | | | | | |
| Roads and bridges - | | | | | | |
| Construction | 57,203 | 2.8 | 56,579 | 2.6 | 61,388 | 2.5 |
| Maintenance | 29,158 | 1.4 | 32,981 | 1.5 | 37,524 | 1.5 |
| Other | 33,289 | 1.6 | 34,062 | 1.6 | 39,874 | 1.6 |
| Sale of land and second-hand fixed assets | 58,362 | 2.9 | 55,481 | 2.6 | 81,541 | 3.4 |
| Other (b) | 45,134 | 2.2 | 37,636 | 1.8 | 51,066 | 2.1 |
| Total revenue | 1,900,533 | 94.2 | 2,029,600 | 94.6 | 2,300,615 | 95.0 |
| Loan receipts | 117,110 | 5.8 | 115,548 | 5.4 | 121,575 | 5.0 |
| Total revenue and loan receipts | 2,017,643 | 100.0 | 2,145,148 | 100.0 | 2,422,190 | 100.0 |
| Outlay by purpose - | | | | | | |
| General administration | 311,530 | 15.5 | 348,087 | 15.9 | 363,626 | 15.1 |
| Law, order, and public safety | 17,139 | 0.9 | 19,618 | 0.9 | 22,588 | 0.9 |
| Education | 23,309 | 1.2 | 24,130 | 1.1 | 27,288 | 1.1 |
| Health | 48,882 | 2.4 | 54,496 | 2.5 | 59,347 | 2.5 |
| Welfare | 150,368 | 7.5 | 178,972 | 8.2 | 204,304 | 8.5 |
| Housing | 6,697 | 0.3 | 7,605 | 0.3 | 6,364 | 0.3 |
| Community amenities | 222,733 | 11.1 | 247,165 | 11.3 | 274,399 | 11.4 |
| Recreation and culture | 315,365 | 15.7 | 350,918 | 16.1 | 373,704 | 15.6 |
| Economic services - | | | | | | |
| Roads, streets, and bridges | 409,327 | 20.4 | 431,019 | 19.7 | 476,715 | 19.9 |
| Other transport (c) | 73,726 | 3.7 | 78,750 | 3.6 | 92,950 | 3.9 |
| Other economic affairs (d) | 72,137 | 3.7 | 75,286 | 3.4 | 79,803 | 3.3 |
| Other purposes (e) | 132,079 | 6.6 | 131,291 | 6.0 | 160,952 | 6.7 |
| Total outlays by purpose | 1,785,293 | 88.8 | 1,947,336 | 89.1 | 2,142,040 | 89.2 |

TABLE 9.6 VICTORIAN LOCAL GOVERNMENT: ORDINARY SERVICES REVENUE, LOAN RECEIPTS AND OUTLAY (a) - continued

| Particulars | 1986-87 | | 1987-88 | | 1988-89 | |
|-----------------------------------|------------------|--------------|------------------|--------------|------------------|--------------|
| | \$'000 | Per cent | \$'000 | Per cent | \$'000 | Per cent |
| Other outlay - | | | | | | |
| Debt charges - | | | | | | |
| Interest paid | 123,522 | 6.1 | 126,465 | 5.8 | 134,942 | 5.6 |
| Debt redemption | 70,361 | 3.5 | 77,474 | 3.5 | 90,680 | 3.8 |
| Grants, levies paid to government | 20,855 | 1.0 | 21,700 | 1.0 | 21,459 | 0.9 |
| Other (f) | 11,560 | 0.6 | 12,047 | 0.6 | 12,299 | 0.5 |
| Total outlay | 2,011,592 | 100.0 | 2,185,022 | 100.0 | 2,401,419 | 100.0 |

(a) Includes only net results of trading activities.

(b) Includes repayment of advances and transfers from trading activities.

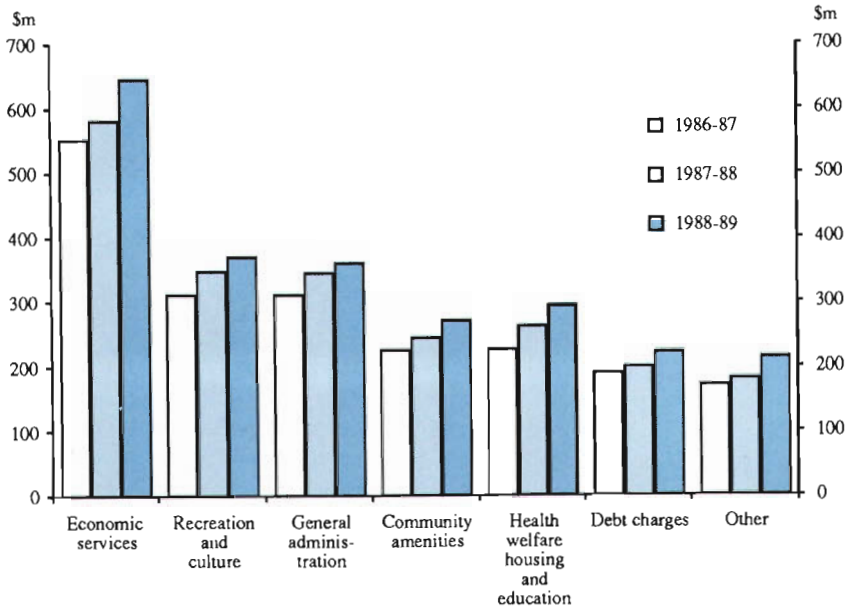
(c) Includes road plant purchases, parking, aerodromes and other transport n.e.c.

(d) Includes tourism and area promotion, saleyards and markets and other economic affairs.

(e) Includes agriculture and forestry, building control, natural disaster relief, mining and manufacturing and other purposes n.e.c.

(f) Consists of donations and advances paid and transfers to trading activities.

LOCAL GOVERNMENT ORDINARY SERVICES - TOTAL OUTLAY BY PURPOSE, VICTORIA 1986-87 to 1988-89



Banking finance

The banking system as at 30 June 1991 comprised a central bank (the Reserve Bank of Australia); thirty-two banks (one owned by the Commonwealth Government, four by State Governments, and twenty-seven privately owned); four subsidiary banks; the Commonwealth Development Bank and the Australian Resources Development Bank (specialist banks, owned respectively by the Commonwealth Government and a consortium of the four major banks).

Twenty-seven banks, plus the Reserve Bank, have branches in Victoria.

Since 1980 Australian Governments have sought to decrease the degree of regulation imposed on the financial sector and on banking activity in particular. Specifically, controls on most bank interest rates and foreign exchange have been relaxed. In addition, eighteen new private banks have been granted licences to commence operations.

The conduct of banking business in Australia is governed by the *Banking Act 1959* (Commonwealth). Amendments to the Banking Act in 1989 gave the Reserve Bank explicit powers for prudential supervision of banks. They also provided the Reserve Bank with greater power to seek information from banks and to investigate the affairs of banks.

Other important amendments to the Banking Act removed the distinctions between trading and savings banks, and they formally replace the Statutory Reserve Deposit requirement on trading banks with a new non-callable deposit requirement applicable to all banks and placed greater emphasis on prudential supervision of banks and provided a formal statutory foundation for this supervision.

In January 1990, significant amendments were made to the Banking Act further restructuring the banking industry. Information on more specific aspects of the growth and control of the banking industry is contained in earlier issues of the *Commonwealth Year Book* (Numbers 31, 37, 45, 46 and 61).

The substantial deterioration during 1989-90 in the financial position of both the State Bank of Victoria and Tricontinental Corporation Limited, a wholly owned subsidiary of the Bank, resulted in a requirement for massive financial support from the Victorian State Government. The Government was of the view that the most viable option was to sell the Bank. Expressions of interest for the purchase of the State Bank were sought in August 1990 from 6 financial institutions. The Government subsequently accepted the offer from the Commonwealth Bank of Australia. The arrangements between the Government and the Commonwealth Bank were formalised under a November 1990 agreement. Parliamentary ratification of this agreement was provided through the *State Bank (Succession of the Commonwealth Bank) Act 1990* and settlement between the parties of the financial terms of the sale occurred on 31 December 1990.

TABLE 9.7 BANKS, NUMBER OF BRANCHES AND AGENCIES, VICTORIA

| Banks | At 30 June 1990 | | At 30 June 1991 | |
|--------------------------------|-----------------|--------------|-----------------|--------------|
| | Branches | Agencies | Branches | Agencies |
| Commonwealth Bank of Australia | 193 | 1,113 | 790 | 1086 |
| State Bank of Victoria | 531 | 86 | - | - |
| National Australia Bank | 386 | 42 | 380 | 38 |
| ANZ Banking Group | 333 | 85 | 341 | 85 |
| Westpac Banking Corporation | 306 | 42 | 304 | 42 |
| Bank of Melbourne | 107 | 568 | 108 | 524 |
| National Mutual Royal Bank | 46 | - | 45 | - |
| Challenge Bank | 23 | 43 | 22 | 48 |
| Chase AMP Bank | 1 | 24 | 2 | 33 |
| Other Banks | 28 | - | 28 | 15 |
| Total | 1,954 | 2,003 | 2,020 | 1,871 |
| Metropolitan Area | 1,267 | 1,121 | 1,306 | 1,020 |
| Remainder of Victoria | 687 | 882 | 714 | 851 |

Source: Reserve Bank of Australia

TABLE 9.8 BANKS, DEPOSITS AND LOANS TO CUSTOMERS ACCOUNTS, VICTORIA (a)
(\\$million)

| Period | Deposits Repayable in Australia | | | | | Other lending |
|-----------|---------------------------------|------------------------------|------------------|--------|--------|---------------|
| | Current bearing interest | Current not bearing interest | Term and at call | Other | Total | |
| June 1990 | 5,501 | 3,938 | 30,537 | 14,343 | 54,319 | 53,723 |
| June 1991 | 5,389 | 3,147 | 29,743 | 15,933 | 54,213 | 55,770 |

(a) Average of weekly figures for month of June.

Source: Reserve Bank of Australia

TABLE 9.9 BANKS, INTEREST RATES AND YIELDS (a)
(per cent per annum)

| | June 1989 | June 1990 | June 1991 |
|---|-------------|-------------|-------------|
| Fixed deposits (less than \$50,000) (b) | | | |
| 30 days | 12.00 | 13.25 | 9.25 |
| 3 months | 16.25 | 14.00 | 10.00 |
| 6 months | 17.25 | 14.00 | 9.75 |
| 12 months | 15.50 | 14.25 | 10.00 |
| Fixed deposits (\$50,000 and over) (b) | | | |
| 3 months | 17.00 | 14.25 | 10.00 |
| 6 months | 17.50 | 14.25 | 9.75 |
| 12 months | 15.75 | 14.25 | 10.00 |
| Certificates of deposit (c) | 17.97 | 14.99 | 10.46 |
| Passbook accounts (b) | | | |
| To \$4,000 | 3.75 | 3.75 | 3.75 |
| Over \$4,000 | 6.00 | 6.00 | 6.00 |
| Statement accounts (b) | 9.00 | 8.75 | 5.75 |
| Investment accounts (d) | 9.00/15.50 | 9.00/14.00 | 6.00/10.50 |
| Overdrafts (e) | | | |
| Less than \$100,000 | 19.75/22.00 | 18.75/21.50 | 14.25/16.50 |
| \$100,000 and over | 19.75 | 18.25/18.75 | 14.00/14.25 |
| New housing loans (f) | 17.00 | 16.50 | 13.00 |

(a) Except where otherwise indicated, data are compiled at or near the end of the month.

(b) Predominant rates offered by major banks.

(c) Weighted average issue yield for the four or five weeks ended the last Wednesday of the month.

(d) Range of rates offered by banks.

(e) Indicator rates reported by major banks. In most cases a margin is added when setting rates on individual loans.

(f) Predominant rate on variable interest rate loans to individuals for owner occupation. The maximum on loans existing or approved before 3 April 1986 has been retained at 13.50 per cent per annum.

Source: Reserve Bank of Australia

Non-bank finance

The number of permanent building societies in Victoria declined from 19 in 1988-89 to 14 at the end of 1989-90. The financial difficulties experienced by the building society industry in Victoria culminated in the forced closure of the Farrow Group of building societies (consisting of the Pyramid, Geelong and Country Wide building societies) in June 1990. After a period of steady asset growth during the 1980's, rising to a peak of \$7,605.0m in 1988-89, the assets of permanent building societies in Victoria at the end of 1989-90 totalled \$4,710.3m, down \$2,894.7m (38 per cent) from their highest level. Total expenditure by building societies exceeded total income in 1989-90 by \$382.0m, largely due to provisions for doubtful debts.

There were 115 credit co-operative societies in Victoria at the end of 1989-90. The number of societies declined from the 144 which existed in 1984-85, but membership increased by 25 per cent from 468,871 in 1984-85 to 583,788 in 1989-90. As a proportion of all societies in Australia, the number of Victorian societies and their membership changed little from 1984-85. Victorian societies in 1984-85 comprised 29 per cent of the Australian total (144 of 493) and 30 per cent in 1989-90 (115 of 386). Similarly membership was 22 per cent in 1984-85 (468,871 of 2,147,189) and 22 per cent in 1989-90 (583,788 of 2,609,122). Victorian deposits at the end of 1989-90 were \$1,842.3m, 23 per cent of the Australian total of \$7,877.6m. In 1984-85 the proportion was 23 per cent, the figures being \$1,149.6m and \$5,063.9m for Victoria and Australia respectively. Loans outstanding to Victorian members at the end of 1989-90 were \$1,642.4m, 23 per cent of the Australian total of \$7,082.3m. In 1984-85 the Victorian figure was \$926.7m, 21 per cent of the Australian figure of \$4,422.3m.

TABLE 9.10 PERMANENT BUILDING SOCIETIES, VICTORIA

| <i>Particulars</i> | <i>1984-85</i> | <i>1985-86</i> | <i>1986-87</i> | <i>1987-88</i> | <i>1988-89</i> | <i>1989-90</i> |
|------------------------------------|----------------|----------------|----------------|----------------|------------------|------------------|
| Number of societies | 25 | 24 | 20 | 19 | 19 | 14 |
| Income and expenditure (\$'000) - | | | | | | |
| Income - | | | | | | |
| Interest from loans | 387,258 | 513,731 | 508,473 | 551,159 | 733,016 | 593,950 |
| Interest from deposits | 30,634 | 61,475 | 40,809 | 31,810 | 41,115 | 48,810 |
| Income from holdings of securities | 140,285 | 122,859 | 165,859 | 151,857 | 143,718 | 69,852 |
| Other income | 28,981 | 34,616 | 41,435 | 83,117 | 96,472 | 125,088 |
| Total income | 587,158 | 732,681 | 756,576 | 817,943 | 1,014,321 | 837,700 |
| Expenditure - | | | | | | |
| Interest on shares | 85,676 | 107,518 | 96,730 | 104,320 | 135,676 | 105,780 |
| Interest on deposits | 330,592 | 442,808 | 463,996 | 440,104 | 556,729 | 534,718 |
| Income on loans | 14,989 | 25,990 | 32,484 | 53,597 | 91,838 | 80,801 |
| Other expenditure | 123,381 | 135,132 | 145,552 | 158,496 | 172,383 | 498,394 |
| Total expenditure | 554,638 | 711,448 | 738,762 | 756,517 | 956,626 | 1,219,693 |

TABLE 9.10 PERMANENT BUILDING SOCIETIES, VICTORIA - *continued*

| Particulars | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|---------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Liabilities and assets (a) (\$'000) - | | | | | | |
| Liabilities - | | | | | | |
| Share capital and reserves - | | | | | | |
| Non-withdrawable shares | 62,043 | 82,274 | 104,473 | 138,933 | 255,086 | 226,562 |
| Withdrawable shares | 997,971 | 1,068,297 | 1,047,024 | 1,090,378 | 1,582,012 | 1,265,098 |
| Statutory reserves | 17,975 | 4,923 | 279 | 91 | 91 | 2,038 |
| Other reserves (b) | 52,476 | 82,950 | 105,322 | 136,983 | 198,400 | -524,086 |
| Deposits | 3,284,489 | 3,603,498 | 3,384,579 | 3,868,913 | 4,453,272 | 2,967,417 |
| Loans | 109,738 | 246,336 | 368,637 | 498,312 | 927,431 | 650,895 |
| Other liabilities | 38,192 | 34,766 | 52,332 | 86,360 | 188,724 | 122,407 |
| Total liabilities | 4,562,884 | 5,123,044 | 5,062,916 | 5,819,970 | 7,605,016 | 4,710,331 |
| Assets - | | | | | | |
| Amounts owing on loans | 3,363,614 | 3,671,116 | 3,565,737 | 4,077,117 | 5,900,647 | 3,727,451 |
| Cash on hand | 10,097 | 11,976 | 10,718 | 9,336 | 17,378 | 8,881 |
| Deposits with banks | 165,283 | 382,031 | 145,236 | 157,221 | 349,060 | 74,143 |
| Deposits with other institutions | 74,103 | 66,998 | 107,049 | 90,005 | 57,939 | 31,079 |
| Bills, bonds, and other securities | 825,393 | 823,370 | 1,057,007 | 1,305,654 | 1,067,569 | 608,912 |
| Accounts receivable | 10,633 | 30,777 | 38,353 | 32,303 | 43,907 | 98,076 |
| Physical and other assets | 113,761 | 136,776 | 138,816 | 148,334 | 168,516 | 161,789 |
| Total assets | 4,562,884 | 5,123,044 | 5,062,916 | 5,819,970 | 7,605,016 | 4,710,331 |

(a) At the balance dates of societies within the financial year shown.

(b) Includes accumulated surpluses and deficits.

TABLE 9.11 CREDIT CO-OPERATIVES SELECTED STATISTICS, VICTORIA AND AUSTRALIA

| | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
| Number of credit co-ops - | | | | | | |
| Victoria | 144 | 128 | 124 | 123 | 120 | 115 |
| Australia | 493 | 453 | 434 | 419 | 403 | 386 |
| Number of members at end of year - | | | | | | |
| Victoria | 468,871 | 501,396 | 517,254 | 542,133 | 564,294 | 583,788 |
| Australia | 2,147,189 | 2,311,228 | 2,432,531 | 2,452,955 | 2,546,694 | 2,609,122 |
| Paid up capital at end of year (\$'000) - | | | | | | |
| Victoria | 4,444 | 4,830 | 6,051 | 6,395 | 6,600 | 6,865 |
| Australia | 18,208 | 19,450 | 21,641 | 26,160 | 27,374 | 28,504 |
| Deposits at end of year (\$'000) - | | | | | | |
| Victoria | 1,149,600 | 1,257,759 | 1,364,823 | 1,562,415 | 1,598,262 | 1,842,321 |
| Australia | 5,063,850 | 6,070,212 | 6,819,128 | 6,709,196 | 6,871,115 | 7,877,563 |
| Loans to members outstanding at end of year (\$'000) - | | | | | | |
| Victoria | 926,722 | 1,097,711 | 1,189,985 | 1,272,309 | 1,410,299 | 1,642,422 |
| Australia | 4,422,295 | 5,333,532 | 5,996,954 | 5,665,150 | 6,360,961 | 7,082,278 |

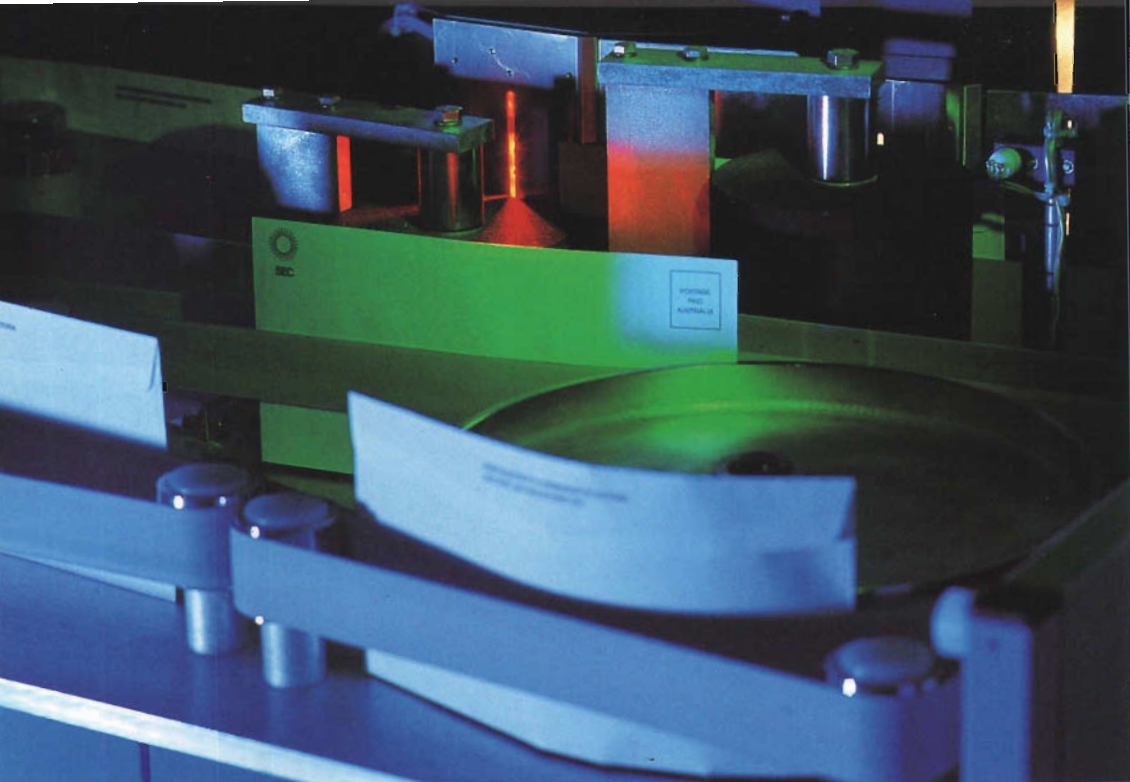


CONSTRUCTION AND TOURISM

Above: The Southern Stand being redeveloped by the Melbourne Cricket Club to improve spectator viewing and boost ground capacity by about 8,500 to 109,000 - *Melbourne Cricket Club*

Below: Development and enhancement of wetlands has provided important habitat for a wide variety of bird and aquatic life - *Melbourne Water*





TRANSPORT AND COMMUNICATION

Above: New electronic letter sorting equipment for increased efficiency - *Australia Post*

Below: Road Safety - The red light camera.
Inset: The radar gun in operation - *Police Life*



TABLE 9.12 AUSTRALIAN STOCK EXCHANGE INDICES (a)

| Group | June 1988 | Dec. 1988 | June 1989 | Dec. 1989 | June 1990 | Dec. 1990 | June 1991 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| All Ordinaries | 1,555.0 | 1,487.2 | 1,521.0 | 1,649.9 | 1,500.7 | 1,279.8 | 1,506.2 |
| All Industrials | 2,485.4 | 2,477.4 | 2,476.8 | 2,586.6 | 2,367.3 | 1,951.7 | 2,315.7 |
| All Resources | 850.9 | 746.5 | 801.7 | 936.3 | 842.8 | 762.4 | 885.6 |
| 50 Leaders | 1,443.0 | 1,385.2 | 1,454.7 | 834.6 | 1,462.8 | 1,249.1 | 1,492.3 |
| Metals and Minerals | 780.7 | 676.8 | 690.5 | 1,589.5 | 715.5 | 584.0 | 656.6 |
| Gold (b) | 1,851.7 | 1,468.4 | 1,438.0 | 1,748.3 | 1,247.0 | 1,135.3 | 1,059.9 |

(a) All Ordinaries - base 500.0 points at 1 January 1980.

(b) Gold Index - base 500.0 points at 1 January 1985.

Source: Stock Exchange of Melbourne Limited.

REFERENCES

Data sources

The financial transactions of the Victorian Government are itemised in the accounts of the State Consolidated Fund and in Trust Funds. A detailed analysis and classification is made of these accounts as published in the annual budget papers, Treasurer's Statement, and report of the Auditor-General. The remaining statutory bodies and other publicly owned or controlled organisations maintain accounts entirely, or largely, separate from the public accounts, although there may be transactions between them and State governments (such as advances and capital contributions, interest and dividends, and votes for running expenses and capital works) which affect the public accounts. The accounting reports of the group of organisations are collected and analysed in order to present a complete statement of the transactions of State Government enterprises.

Local Government Finance statistics for Victoria are collected jointly with the Victoria Grants Commission. Since 1979-80 these statistics have been collected using the system Standardised Local Government Finance Statistics (SLGFS). This system is designed to enable direct comparison of local government finance statistics both within and between States. For details of the concepts and principles used to produce this system refer to *Standardised Local Government Finance Statistics, Australia* (1212.0).

Following the introduction of new reporting forms under the *Banking Act* in January 1989, the Reserve Bank of Australia took over sole responsibility for processing banking statistics. In 1976 a statistical collection was introduced covering the financial accounts of permanent building societies in all States and Territories. Credit union annual financial account statistics have been collected by the ABS since the year 1974-75.

ABS publications

Government Financial Estimates, Australia (5501.0)

Local Government Finance, Victoria (5501.2)

Commonwealth Government Finance (5502.0)

Taxation Revenue, Australia (5506.0)

Expenditure on Education, Australia (5510.0)

Credit Co-operatives: Assets, Liabilities, Income and Expenditure, Australia (5618.0)

Permanent Building Societies: Assets, Liabilities, Income and Expenditure, Australia (5632.0)

Other references

The Reserve Bank of Australia Bulletin

Australian Banking Statistics

Commonwealth Budget Paper Number 4, Commonwealth Financial Relations with other Levels of Government

Finance Statement and the Report of the Auditor-General

10 Construction



INTRODUCTION

In May 1991 there were 124,471 persons employed in the construction industry in Victoria, a 7.0 per cent increase over the 116,326 persons employed in May 1986. Persons employed in the Victorian construction industry in May 1991 accounted for 22.9 per cent of the national construction industry total of 543,849. This represented a decrease from the 23.7 per cent contribution by the Victorian construction industry in May 1986.

In May 1991, persons employed in the Victorian construction industry accounted for 6.3 per cent of persons employed in all Victorian industries, the same proportion as in May 1986.

Construction industry activity

A survey of Construction Industry Activity was conducted in respect of the 1988-89 financial year. Some results from that Survey are shown in the first three tables of this chapter.

At 30 June 1989 an estimated 28,340 private sector construction establishments were operating in Victoria, constituting 29.3 per cent of the Australian total. Approximately three-quarters (75.4 per cent) of Victoria's construction establishments were engaged primarily in special trade construction, while the remaining 24.6 per cent were engaged primarily in general construction. Of the 6,985 general construction establishments, 86.2 per cent were engaged in building construction. Within the building construction category, 80.5 per cent were engaged in residential building construction.

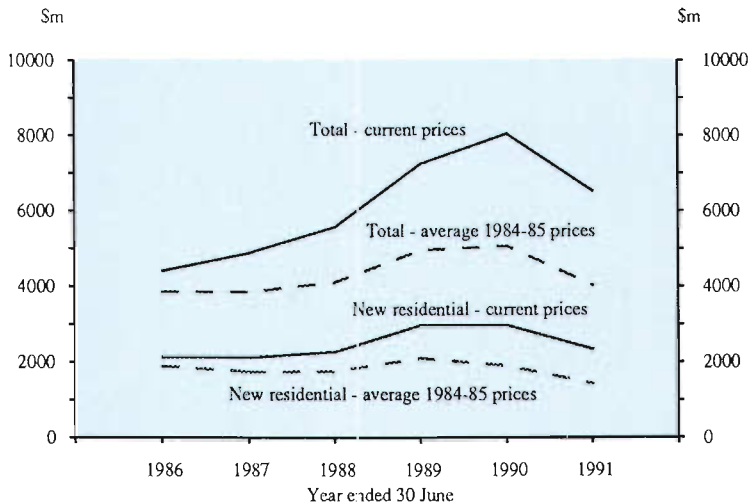
Building construction

At current prices the value of building work done in Victoria during 1990-91 was \$6,531.7m. The value of building work done represented a 19.0 per cent decrease over the previous year, and constituted 24.2 per cent of the total value of building work done in Australia during 1990-91. Between 1985-86 and 1990-91, Victoria's share of the value of building work done in Australia decreased from 26.3 per cent to 24.2 per cent.

Non-residential building

The commercial sector of non-residential building (i.e. hotels, shops, factories, offices, and other business premises) accounted for 45.3 per cent (\$3,255.8m) of the value of all building work completed in Victoria during 1990-91, with office construction being the largest component of this commercial sector activity. Building for community purposes accounted for 9.3 per cent of the value of building construction, with the largest component being building for education purposes.

VALUE OF BUILDING WORK DONE, VICTORIA



In the commercial sector, the value of shops completed increased by 5.3 per cent between 1989-90 and 1990-91 (from \$530.7m to \$558.7m) while the value of factories completed decreased by 30.7 per cent (from \$548.4m to \$379.8m). The value of other business premises completed increased by 6.1 per cent, while the value of offices completed increased by 41.0 per cent. The value of hotels completed increased by 26.3 per cent, from \$165.2m to \$208.6m.

In the community sector, the value of buildings completed for entertainment and recreation purposes increased by 80.3 per cent while the value of buildings completed for educational purposes increased by 51.2 per cent. The value of buildings completed for religious purposes increased by 53.6 per cent. Buildings completed for health purposes decreased by 25.5 per cent.

These changes in value of work done reflect not only changes in building activity but also increases in the cost of building due to inflation. It should also be noted that in any period where there are appreciable increases or decreases in the value of buildings completed for industrial, commercial, business, health, etc. purposes, this movement can be attributed, to some extent, to the completion of large-scale projects.

Residential building

Residential building (including alterations and additions) accounted for 44.5 per cent of the value of all building construction during 1990-91. Residential building's share of the value of all building work done varied widely between 1985-86 and 1990-91, with a peak of 58.5 per cent in 1985-86 and a low point of 44.5 per cent in 1990-91.

New house completions accounted for 74.7 per cent of the value of residential building work completed during 1990-91 while new 'other residential building' completions and 'alterations and additions' accounted for 6.5 per cent and 18.8 per cent respectively.

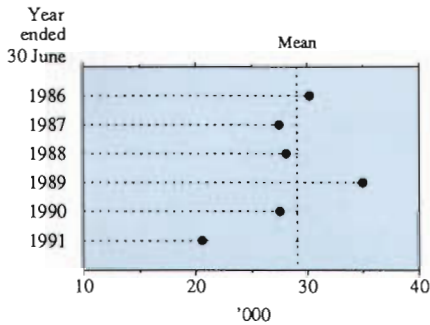
The number of new residential buildings completed during 1990-91 was 28,100, a decrease of 18.3 per cent over the previous year. Of these 28,100 buildings, 89.6 per cent were houses. Private sector activity accounted for at least 90 per cent of the number of new residential buildings completed each year from 1985-86 to 1990-91, ranging from a high of 95.4 per cent in 1989-90 to a low of 93.6 per cent in 1986-87. During 1990-91, private sector activity accounted for 93.7 per cent of all new residential buildings completed.

House commencements and housing loans

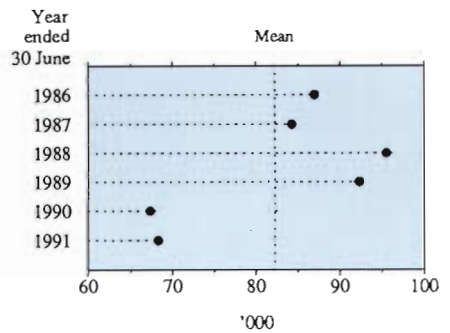
During 1990-91 there were 20,591 houses commenced in Victoria, which represented a decrease of 25.1 per cent over the previous year. The number of houses commenced each year between 1985-86 and 1990-91 followed a similar pattern to the number of housing loans approved.

At current prices the value of housing loans approved during 1990-91 was \$4,957m. This was a 3.2 per cent increase over the 1989-90 level and represented a 38.8 per cent increase over 1985-86, when the value of loans approved was \$3,572m.

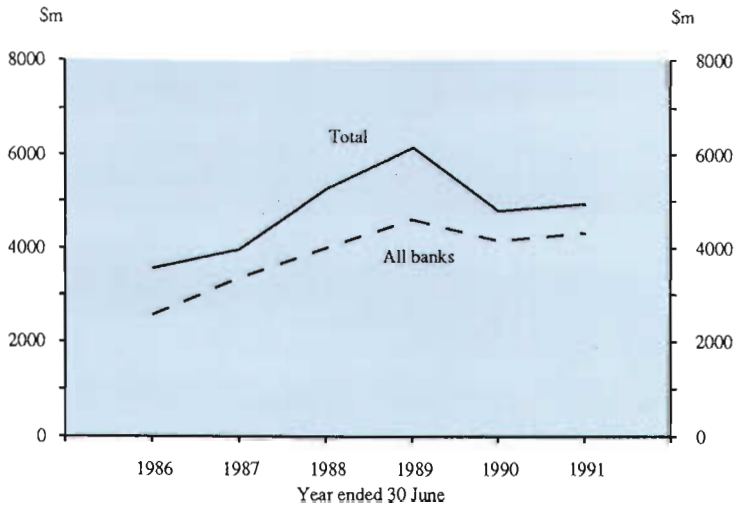
NUMBER OF NEW HOUSES COMMENCED, VICTORIA



NUMBER OF LOANS APPROVED, VICTORIA



VALUE OF HOUSING LOANS (OF ALL TYPES) APPROVED, VICTORIA



**TABLE 10.1 PRIVATE SECTOR CONSTRUCTION ESTABLISHMENTS, SUMMARY OF OPERATIONS BY INDUSTRY CLASS,
VICTORIA, 1988-89 (a)**

| Asic code | Industry Class | Establishments operating at 30 June 1989 | | Employment at 30 June 1989 | | | Wages and Salaries \$'000 | Turnover \$'000 | Stocks | | Purchases and selected expenses \$'000 | Value added \$'000 |
|--------------|---|---|---------------|-------------------------------|----------------|----------------|------------------------------------|--------------------|-------------------|-------------------|--|--------------------------|
| | | Vic. No. | Aust. No. | Males No. | Females No. | Persons No. | | | Opening \$'000 | Closing \$'000 | | |
| | General construction - | | | | | | | | | | | |
| | Building construction - | | | | | | | | | | | |
| 4111 | House construction | 4,385 | 13,785 | 8,580 | 3,381 | 11,962 | 152,010 | 2,110,368 | 232,199 | 390,542 | 882,231 | 536,972 |
| 4112 | Residential building construction n.e.c. | 464 | 1,770 | 1,031 | 355 | 1,386 | 23,750 | 246,234 | 37,180 | 51,421 | 95,4768 | 65,286 |
| 4113 | Non-residential building construction | 1,174 | 3,861 | 12,835 | 1,703 | 14,538 | 428,263 | 3,735,775 | 229,181 | 364,073 | 961,456 | 848,010 |
| 411 | Total building construction | 6,023 | 19,416 | 22,446 | 5,439 | 27,885 | 604,023 | 6,092,377 | 498,560 | 806,036 | 1,939,155 | 1,405,268 |
| | Non-building construction - | | | | | | | | | | | |
| 4121 | Road and bridge construction | 203 | 777 | 3,188 | 334 | 3,523 | 81,290 | 612,980 | 27,608 | 49,907 | 220,684 | 202,409 |
| 4122 | Non-building construction n.e.c. | 758 | 3,105 | 4,791 | 688 | 5,479 | 129,877 | 575,160 | 17,810 | 21,446 | 215,573 | 233,269 |
| 412 | Total non-building construction | 961 | 3,882 | 7,979 | 1,022 | 9,001 | 211,167 | 1,188,139 | 45,418 | 71,353 | 436,256 | 435,678 |
| 41 | Total | 6,984 | 23,298 | 30,425 | 6,462 | 36,887 | 815,191 | 7,280,516 | 543,978 | 877,389 | 2,375,411 | 1,885,947 |
| | Special trade construction - | | | | | | | | | | | |
| 4231 | Concreting | 1,371 | 4,056 | 3,885 | 1,062 | 4,946 | 86,945 | 499,193 | 7,412 | 12,157 | 224,531 | 200,285 |
| 4232 | Bricklaying | 2,158 | 7,507 | 4,752 | 1,062 | 5,815 | 63,867 | 219,416 | 2,777 | 2,839 | 26,679 | 161,607 |
| 4233 | Roof tiling | 196 | 1,431 | 814 | 158 | 972 | 17,503 | 87,715 | 1m726 | 1,819 | 40,927 | 31,710 |
| 4234 | Floor and wall tiling | 777 | 2,861 | 1,009 | 430 | 1,440 | 8,971 | 67,811 | 1,253 | 1,707 | 20,245 | 35,621 |
| 4241 | Structural steel erection | 269 | 1,178 | 1,276 | 155 | 1,430 | 49,719 | 112,950 | 5,423 | 3,568 | 20,426 | 79,248 |
| 4242 | Plumbing | 3,329 | 10,536 | 9,558 | 2,605 | 12,163 | 186,900 | 842,356 | 17,318 | 22,618 | 363,894 | 385,579 |
| 4243 | Electrical work | 2,499 | 8,311 | 8,819 | 2,328 | 11,147 | 189,667 | 722,158 | 17,254 | 21,483 | 314,557 | 335,406 |
| 4244 | Heating and airconditioning | 506 | 1,270 | 4,064 | 641 | 4,705 | 100,633 | 487,480 | 21,472 | 18,572 | 251,629 | 168,821 |
| 4245 | Plastering and plaster fixing | 1,402 | 4,438 | 3,976 | 964 | 4,939 | 61,229 | 292,818 | 5,587 | 8,597 | 111,502 | 133,012 |
| 4246 | Carpentry | 3,774 | 12,455 | 6,510 | 1,956 | 8,467 | 74,709 | 335,953 | 6,282 | 8,683 | 70,509 | 211,464 |
| 4247 | Painting | 2,284 | 8,769 | 5,341 | 1,125 | 6,466 | 76,560 | 291,066 | 3,886 | 4,348 | 44,951 | 185,420 |
| 4248 | Earthmoving and dredging | 991 | 4,427 | 2,413 | 740 | 3,153 | 53,760 | 301,228 | 6,445 | 4,426 | 61,477 | 149,323 |
| 4249 | Special trades n.e.c. | 1,799 | 6,063 | 6,158 | 1,375 | 7,534 | 146,606 | 586,843 | 12,977 | 20,906 | 176,918 | 299,604 |
| 42 | Total | 21,355 | 73,301 | 58,574 | 14,602 | 73,176 | 1,117,069 | 4,846,986 | 109,813 | 131,723 | 1,728,245 | 2,377,099 |
| 41-42 | Total construction | 28,339 | 96,600 | 89,000 | 21,063 | 110,063 | 1,932,259 | 12,127,501 | 653,791 | 1,009,112 | 4,103,656 | 4,263,046 |

CONSTRUCTION

(a) Fixed capital expenditure data not collected in 1988-89

TABLE 10.2 PRIVATE SECTOR CONSTRUCTION ESTABLISHMENTS: VALUE OF CONSTRUCTION WORK DONE (a) BY INDUSTRY CLASS AND BROAD COMMODITY, VICTORIA, 1988-89
(\$'000)

| Industry | Building | | | Total building | Total non-building (b) | Total construction work done | |
|---------------------------------------|------------------|-----------------------------|--------------------------|------------------|------------------------|------------------------------|-------------------|
| | Houses | Other residential buildings | Non-residential building | | | Victoria | Australia |
| Total general construction (41) | 1,301,620 | 218,155 | 1,221,174 | 2,740,950 | 836,004 | 3,576,954 | 15,701,728 |
| Special trade construction - | | | | | | | |
| Concreting (4231) | 119,625 | 6,104 | 95,018 | 220,747 | 39,578 | 260,325 | 815,995 |
| Bricklaying (4232) | 83,270 | 7,108 | 30,116 | 120,494 | 3,462 | 123,956 | 434,845 |
| Roof tiling (4233) | 34,561 | 3,425 | 1,411 | 39,397 | 3,434 | 42,831 | 163,785 |
| Floor and wall tiling (4234) | 21,477 | 1,377 | 8,890 | 31,744 | 934 | 32,678 | 123,539 |
| Structural steel erection (4241) | 1,268 | 20 | 24,224 | 25,513 | 22,436 | 47,949 | 234,965 |
| Plumbing (4242) | 174,470 | 22,122 | 122,448 | 319,041 | 82,465 | 401,506 | 1,338,745 |
| Electrical work (4243) | 90,835 | 12,181 | 204,207 | 307,222 | 69,363 | 376,585 | 1,437,738 |
| Heating and airconditioning (4244) | 35,040 | 6,928 | 130,315 | 172,284 | 6,988 | 179,272 | 722,570 |
| Plastering and plaster fixing (4245) | 113,872 | 9,090 | 41,963 | 164,925 | 2,042 | 166,967 | 558,656 |
| Carpentry (4246) | 76,707 | 10,991 | 43,343 | 131,041 | 7,167 | 138,209 | 566,633 |
| Painting (4247) | 76,245 | 6,963 | 61,623 | 144,830 | 39,435 | 184,265 | 630,553 |
| Earthmoving and dredging (4248) | 23,185 | 502 | 26,601 | 50,288 | 143,460 | 193,748 | 876,126 |
| Special trades n.e.c. (4249) | 73,602 | 12,401 | 116,068 | 202,070 | 66,116 | 268,186 | 1,023,765 |
| Total special trade construction (42) | 924,157 | 99,212 | 906,226 | 1,929,596 | 486,881 | 2,416,477 | 8,927,917 |
| Total construction (41-42) | 2,225,778 | 317,368 | 2,127,400 | 4,670,546 | 1,322,885 | 5,993,431 | 24,629,645 |

(a) Comprises prime and subcontract, speculative, and capital work done for own use.

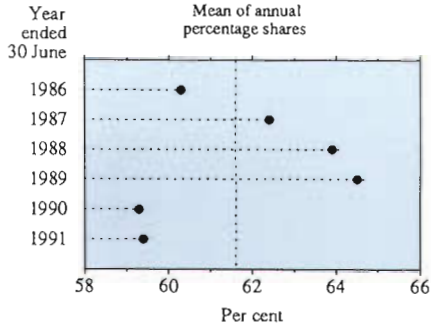
(b) Comprises engineering construction, repairs, maintenance, and demolition.

TABLE 10.3 PUBLIC SECTOR ENTERPRISES: CONSTRUCTION AND MAINTENANCE EXPENDITURE (a) BY LEVEL OF GOVERNMENT, VICTORIA, 1988-89
(\$'000)

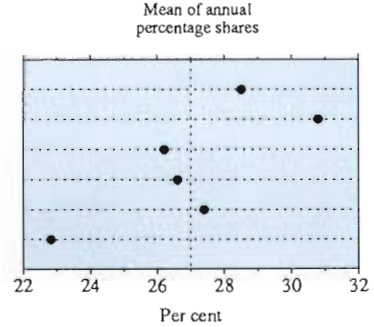
| Level of government | Construction expenditure | | | | | Maintenance expenditure | | | | | | |
|---------------------|--------------------------|-----------------------------|---------------------------|--------------------------|------------|-------------------------|-------------------|----------------------|------------------|-------------------|------------------|------------------|
| | Houses | Other residential buildings | Non-residential buildings | Engineering construction | Demolition | Total | | Building maintenance | Road maintenance | Other maintenance | Total | |
| | | | | | | Victoria | Australia | | | | Victoria | Australia |
| Commonwealth | 3,697 | 469 | 183,534 | 463,517 | - | 651,217 | 3,559,535 | 81,021 | 725 | 226,880 | 308,626 | 1,655,373 |
| State | 47,311 | 114,785 | 626,110 | 1,485,867 | 95 | 2,274,168 | 7,996,273 | 255,273 | 116,179 | 1,285,315 | 1,656,768 | 4,340,401 |
| Local | 971 | 2,368 | 77,188 | 272,790 | 24 | 353,341 | 1,750,751 | 25,463 | 189,771 | 23,509 | 238,743 | 1,264,969 |
| Total | 51,979 | 117,622 | 886,832 | 2,222,174 | 119 | 3,278,726 | 13,306,559 | 361,757 | 306,675 | 1,535,704 | 2,204,137 | 7,260,743 |

COMMENCEMENTS OF NEW RESIDENTIAL BUILDINGS

MSD AS A PERCENTAGE OF VICTORIA



VICTORIA AS A PERCENTAGE OF AUSTRALIA



PERCENTAGE CONTRIBUTION OF STATISTICAL DIVISIONS TO TOTAL VICTORIAN NEW RESIDENTIAL BUILDING COMMENCEMENTS, 1985-86 TO 1990-91

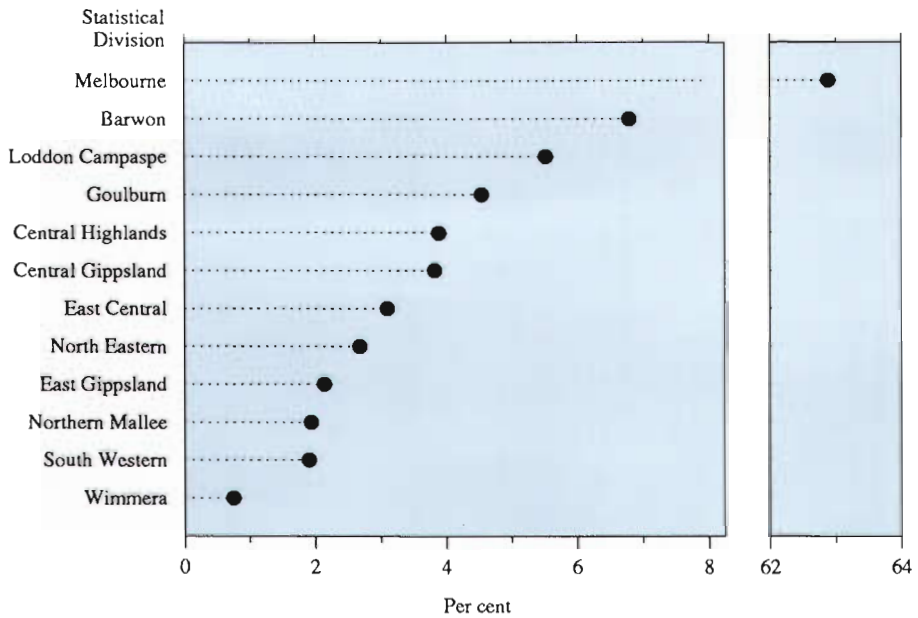
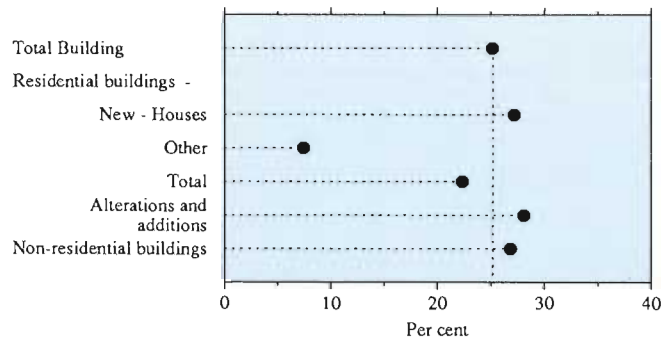


TABLE 10.5 VALUE OF BUILDING ACTIVITY COMPLETED-SUMMARY
(\$m)

| | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 | 1990-91 | | Victoria as a percentage of Australia |
|--|-------------------|----------------|----------------|----------------|----------------|----------------|-----------------|---------------------------------------|
| | Victoria | | | | | Victoria | Australia | |
| New residential buildings - | | | | | | | | |
| Houses | 1,741.0 | 1,790.5 | 1,979.1 | 2,421.7 | 2,758.2 | 2,392.4 | 8,816.2 | 27.1 |
| Other | 292.7 | 292.9 | 253.7 | 297.9 | 179.6 | 208.1 | 2,814.0 | 7.4 |
| Total | 2,033.7 | 2,083.5 | 2,232.8 | 2,719.6 | 2,937.8 | 2,600.5 | 11,630.2 | 22.4 |
| Alterations and additions to residential buildings | 292.2 | 354.8 | 393.9 | 483.7 | 612.6 | 600.2 | 2,140.4 | 28.0 |
| Non-residential building | (a)1,648.1 | 1,887.7 | 2,393.1 | 3,401.0 | 3,515.3 | 3,989.0 | 14,882.0 | 26.8 |
| Total all building - | | | | | | | | |
| Victoria | (a)3,974.1 | 4,326.0 | 5,019.9 | 6,604.3 | 7,065.7 | 7,189.7 | .. | .. |
| Australia | (a)15,436.8 | 15,612.6 | 18,362.7 | 24,396.4 | 29,023.8 | .. | 28,652.6 | .. |
| Victoria as a percentage of Australia | 25.7 | 27.7 | 27.3 | 27.1 | 24.3 | .. | .. | 25.1 |

(a) Break in series between 1984-85 and 1985-86. Refer to data sources at end of Chapter.

VALUE OF BUILDING ACTIVITY COMPLETED, 1990-91: VICTORIA AS A PERCENTAGE OF AUSTRALIA



VALUE OF BUILDING ACTIVITY COMPLETED: VICTORIA AS A PERCENTAGE OF AUSTRALIA

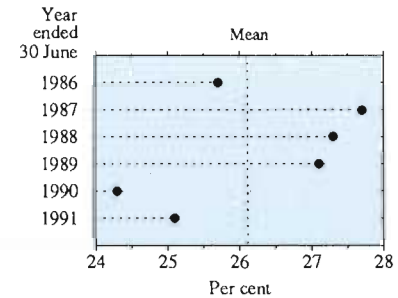


TABLE 10.6 VALUE OF BUILDINGS COMPLETED, CLASSIFIED BY TYPE, VICTORIA (\$'000)

| <i>Type of building</i> | <i>1985-86</i> | <i>1986-87</i> | <i>1987-88</i> | <i>1988-89</i> | <i>1989-90</i> | <i>1990-91</i> |
|--|------------------|------------------|------------------|------------------|------------------|------------------|
| Houses | 1,741,000 | 1,790,546 | 1,979,120 | 2,421,706 | 2,758,174 | 2,392,400 |
| Other residential buildings | 292,213 | 92,950 | 253,666 | 297,879 | 179,625 | 208,100 |
| Alterations and additions to residential buildings | 292,213 | 354,782 | 393,929 | 483,697 | 612,575 | 600,200 |
| Hotels, guest houses, etc. | 75,494 | 92,224 | 79,475 | 241,546 | 165,244 | 208,600 |
| Shops | 207,964 | 317,868 | 360,942 | 403,763 | 530,739 | 558,700 |
| Factories | 173,880 | 247,708 | 406,942 | 816,314 | 548,364 | 379,800 |
| Offices | 629,385 | 528,013 | 757,887 | 1,048,185 | 1,174,652 | 1,656,600 |
| Other business premises | 123,941 | 188,533 | 222,754 | 348,457 | 426,127 | 452,100 |
| Education | 177,289 | 208,533 | 225,846 | 296,765 | 176,369 | 266,800 |
| Religious | 10,110 | 14,199 | 12,986 | 14,360 | 15,289 | 23,500 |
| Health | 109,389 | 130,037 | 124,919 | 88,377 | 261,647 | 194,900 |
| Entertainment and recreation | 63,604 | 80,656 | 143,084 | 61,575 | 100,606 | 181,400 |
| Miscellaneous | 77,066 | 79,969 | 58,313 | 81,628 | 116,282 | 66,600 |
| Total | 3,974,083 | 4,326,017 | 5,019,862 | 6,604,253 | 7,065,692 | 7,189,700 |

TABLE 10.7 NUMBER OF NEW RESIDENTIAL BUILDINGS COMPLETED BY OWNERSHIP, VICTORIA

| <i>Year</i> | <i>Private sector (a)</i> | | | <i>Public sector</i> | | | <i>Total Number</i> | <i>Private sector as a percentage of total</i> |
|-------------|---------------------------|--------------|--------------|----------------------|--------------|--------------|---------------------|--|
| | <i>Houses</i> | <i>Other</i> | <i>Total</i> | <i>Houses</i> | <i>Other</i> | <i>Total</i> | | |
| 1985-86 | 28,130 | 6,034 | 34,170 | 1,833 | 465 | 2,298 | 36,470 | 93.7 |
| 1986-87 | 26,100 | 5,436 | 31,540 | 1,607 | 563 | 2,170 | 33,710 | 93.6 |
| 1987-88 | 26,170 | 4,398 | 30,570 | 1,499 | 415 | 1,914 | 32,490 | 94.1 |
| 1988-89 | 29,630 | 3,579 | 33,210 | 906 | 798 | 1,704 | 34,910 | 95.1 |
| 1989-90 | 30,740 | 2,059 | 32,800 | 1,003 | 570 | 1,573 | 34,380 | 95.4 |
| 1990-91 | 23,980 | 2,342 | 26,320 | 1,205 | 580 | 1,785 | 28,100 | 93.7 |

(a) Houses and total residential buildings for the Private Sector are rounded to the nearest 10 units.

TABLE 10.8 NUMBER OF NEW HOUSES COMMENCED, CLASSIFIED BY MATERIAL OF OUTER WALLS, VICTORIA

| <i>Year</i> | <i>Brick, concrete, and stone</i> | <i>Brick veneer</i> | <i>Timber</i> | <i>Fibre cement</i> | <i>Not stated and other</i> | <i>Total</i> |
|-------------|-----------------------------------|---------------------|---------------|---------------------|-----------------------------|---------------|
| 1985-86 | 1,170 | 19,797 | 2,613 | 1,141 | 5,469 | 30,190 |
| 1986-87 | 596 | 18,151 | 2,208 | 984 | 5,542 | 27,481 |
| 1987-88 | 567 | 17,856 | 1,916 | 838 | 6,879 | 28,103 |
| 1988-89 | 402 | 22,012 | 1,815 | 797 | 9,875 | 34,901 |
| 1989-90 | 389 | 17,375 | 1,761 | 564 | 7,411 | 27,500 |
| 1990-91 | 220 | 12,573 | 1,340 | 359 | 6,086 | 20,578 |

TABLE 10.9 NUMBER OF COMMENCEMENTS OF NEW RESIDENTIAL BUILDINGS BY TYPE OF BUILDING

| <i>Year</i> | <i>Melbourne Statistical Division (MSD)</i> | <i>Victoria</i> | <i>MSD as a percentage of Victoria</i> | <i>Victoria as a percentage of Australia</i> |
|---------------|---|-----------------|--|--|
| HOUSES | | | | |
| 1985-86 | 18,205 | 30,190 | 60.3 | 28.5 |
| 1986-87 | 17,144 | 27,482 | 62.4 | 30.8 |
| 1987-88 | 17,968 | 28,103 | 63.9 | 26.2 |
| 1988-89 | 22,516 | 34,901 | 64.5 | 26.6 |
| 1989-90 | 16,315 | 27,500 | 59.3 | 27.4 |
| 1990-91 | 12,235 | 20,591 | 59.4 | 22.8 |
| OTHER | | | | |
| 1985-86 | 3,796 | 5,783 | 65.6 | 19.3 |
| 1986-87 | 3,407 | 4,798 | 71.0 | 18.3 |
| 1987-88 | 3,106 | 4,442 | 69.9 | 14.3 |
| 1988-89 | 2,569 | 3,473 | 74.0 | 8.1 |
| 1989-90 | 1,837 | 2,494 | 73.7 | 6.6 |
| 1990-91 | 1,752 | 2,433 | 72.0 | 7.9 |
| TOTAL | | | | |
| 1985-86 | 22,001 | 35,973 | 61.2 | 26.4 |
| 1986-87 | 20,551 | 32,280 | 63.7 | 28.0 |
| 1987-88 | 21,074 | 32,545 | 64.8 | 23.5 |
| 1988-89 | 25,085 | 38,374 | 65.4 | 22.1 |
| 1989-90 | 18,152 | 29,994 | 60.5 | 21.8 |
| 1990-91 | 13,987 | 23,024 | 60.7 | 19.0 |

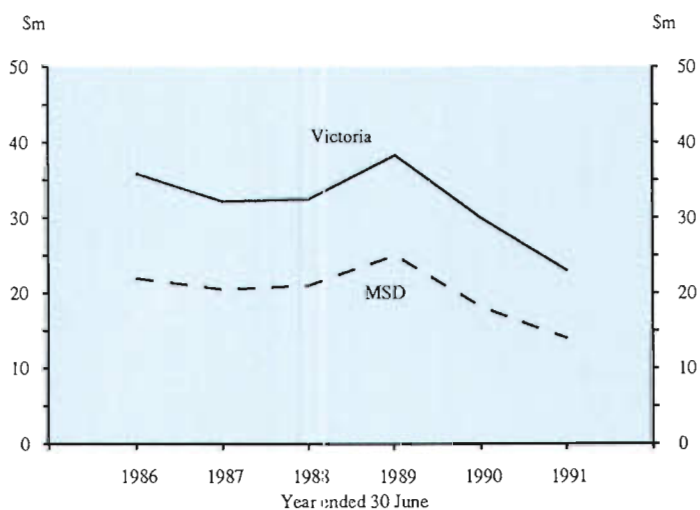
NUMBER OF NEW RESIDENTIAL BUILDINGS COMMENCED

TABLE 10.10 COMMENCEMENTS OF NEW RESIDENTIAL BUILDINGS, STATISTICAL REGIONS OF MELBOURNE STATISTICAL DIVISION

| <i>Statistical region</i> | <i>1985-86</i> | <i>1986-87</i> | <i>1987-88</i> | <i>1988-89</i> | <i>1989-90</i> | <i>1990-91</i> |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| NUMBER | | | | | | |
| Western Melbourne | 5,013 | 4,756 | 4,580 | 5,811 | 5,164 | 4,156 |
| Inner Melbourne | 612 | 566 | 669 | 505 | 480 | 284 |
| North Eastern Melbourne | 2,559 | 2,307 | 2,560 | 3,261 | 1,906 | 1,621 |
| Inner Eastern Melbourne | 2,183 | 2,027 | 2,303 | 2,323 | 1,184 | 809 |
| Southern Melbourne | 1,079 | 1,022 | 1,086 | 1,268 | 1,122 | 718 |
| Outer Eastern Melbourne | 3,885 | 3,489 | 3,516 | 3,621 | 2,560 | 1,974 |
| Mornington Peninsula | 6,670 | 6,384 | 6,360 | 8,296 | 5,736 | 4,424 |
| Total Melbourne Statistical Division | 22,001 | 20,551 | 21,074 | 25,085 | 18,152 | 13,986 |
| PERCENTAGE OF MELBOURNE STATISTICAL DIVISION | | | | | | |
| Western Melbourne | 22.8 | 23.1 | 21.7 | 23.2 | 28.4 | 29.7 |
| Inner Melbourne | 2.8 | 2.8 | 3.2 | 2.0 | 2.6 | 2.0 |
| North Eastern Melbourne | 11.6 | 11.2 | 12.1 | 13.0 | 10.5 | 11.6 |
| Inner Eastern Melbourne | 9.9 | 9.9 | 10.9 | 9.3 | 6.5 | 5.8 |
| Southern Melbourne | 4.9 | 5.0 | 5.2 | 5.1 | 6.2 | 5.1 |
| Outer Eastern Melbourne | 17.7 | 17.0 | 16.7 | 14.4 | 14.1 | 14.1 |
| Mornington Peninsula | 30.3 | 31.1 | 30.2 | 33.1 | 31.6 | 31.6 |
| Total Melbourne Statistical Division | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TABLE 10.11 HOUSING LOANS APPROVED BY TYPE OF LENDER, VICTORIA

| <i>Year</i> | <i>All banks</i> | <i>Permanent building societies</i> | <i>Other lenders</i> | <i>Total</i> |
|-------------|------------------|-------------------------------------|----------------------|--------------|
| NUMBER | | | | |
| 1985-86 (a) | 73,510 | 7,644 | 5,811 | 86,965 |
| 1986-87 (a) | 75,999 | 4,431 | 3,756 | 84,186 |
| 1987-88 | 79,548 | 10,882 | 5,081 | 95,511 |
| 1988-89 | 77,061 | 9,396 | 5,858 | 92,315 |
| 1989-90 | 58,189 | 3,409 | 5,749 | 67,347 |
| 1990-91 | 59,092 | 2,891 | 6,302 | 68,285 |
| VALUE (\$m) | | | | |
| 1985-86 (a) | 2,574 | 386 | 279 | 3,572 |
| 1986-87 (a) | 3,376 | 230 | 174 | 3,982 |
| 1987-88 | 4,012 | 635 | 278 | 5,273 |
| 1988-89 | 4,625 | 646 | 409 | 6,166 |
| 1989-90 | 4,162 | 232 | 408 | 4,802 |
| 1990-91 | 4,332 | 203 | 421 | 4,956 |

(a) Breaks in series between 1985-86 and 1986-87.

Public housing

Under the Commonwealth - State Housing Agreement (CSHA), which came into effect on 1 July 1984, the Federal Government provides financial assistance to the States and Northern Territory for public housing programs. The CSHA included the Australian Capital Territory from 1 July 1989.

Victoria was allocated \$234.6m in 1990-91, which represented a 2.1 per cent increase from the previous year. Victoria's share of the CSHA funds distributed was 22.5 per cent in 1989-90, a slight decrease from the 23.5 per cent recorded in 1988-89.

The CSHA funds are provided in the form of untied grants (for rental housing and home purchase assistance) and in the form of grants for specific programs. During 1989-90, untied grants accounted for 80.8 per cent of Victoria's allocation, which was a slight reduction on the 82.7 per cent in 1988-89.

Home purchase assistance

During 1989-90, Victoria had 12.6 per cent of the loans approved in Australia under the Home Purchase Assistance Program (16.4 per cent in 1988-89). The average value of loans approved under the program in Victoria for 1989-90 was \$64,736, a decrease of 3.7 per cent over 1988-89, whilst for Australia the average loan increased 16.3 per cent to \$67,000 over the same period. The ratio of the number of loan approvals per 1,000 people in Victoria for 1989-90 was 1.1 (0.9 in 1988-89) whilst for Australia the ratio was 2.2 (1.4 in 1988-89).

Rental housing assistance

Victoria's stock of public rental housing increased by 3.5 per cent between 1989-90 and 1990-91 - from 61,549 at 30 June 1990 to 63,684 at 30 June 1991. In 1989-90, Victoria accounted for 17.5 per cent of Australia's stock of public rental housing, 17.0 per cent of Australia's rental waiting list, 20.9 per cent of Australia's new applicants for public rental housing, and 16.7 per cent of Australia's allocations of public rental housing.

TABLE 10.12 ALLOCATION OF COMMONWEALTH FUNDS
(\$'000)

| Program | Victoria | | Australia | |
|--|----------------|----------------|----------------|------------------|
| | 1988-89 | 1989-90 | 1988-89 | 1989-90 |
| Untied funds | 135,989 | 190,776 | 530,600 | 792,931 |
| Rental assistance for pensioners | 8,794 | 10,882 | 37,500 | 49,273 |
| Rental assistance for Aborigines | 3,417 | 3,638 | 70,000 | 91,000 |
| Mortgage and rent relief | 6,949 | 11,824 | 26,400 | 45,914 |
| Crisis accommodation | 5,131 | 12,787 | 19,500 | 49,655 |
| Local government and community housing | 4,200 | 6,284 | 16,000 | 24,403 |
| Total | 164,480 | 236,191 | 700,000 | 1,053,176 |

Source: Commonwealth Department of Health, Housing and Community Services.

TABLE 10.13 HOME PURCHASE ASSISTANCE PERFORMANCE INDICATORS,
VICTORIA, 1990-91

| Item | Unit | |
|-------------------------------------|----------|---------|
| Loans current at end of period | number | 31,107 |
| Ratio - loans : 1,000 people | " | 7.0 |
| Loans approved | " | 3,297 |
| Ratio - approvals : 1,000 people | " | 0.8 |
| Total amount | \$'000 | 176,300 |
| Average loan | \$'000 | 53.5 |
| Loan waiting list | number | 32,276 |
| Ratio - applications : 1,000 people | " | 7.3 |
| Approvals : waiting list | per cent | 10.2 |

Source: Ministry for Planning and Housing.

TABLE 10.14 PUBLIC RENTAL HOUSING PERFORMANCE INDICATORS, 1989-90

| <i>Item</i> | <i>Unit</i> | <i>Victoria</i> | <i>Australia</i> |
|-------------------------------------|-------------|-----------------|------------------|
| Stock | number | 61,549 | 351,690 |
| Ratio - dwellings : 1,000 people | " | 14.1 | 20.6 |
| Rental waiting list | " | 33,130 | 195,019 |
| Ratio - applications : 1,000 people | " | 7.6 | 11.4 |
| New applicants | " | 22,928 | 109,736 |
| Ratio - applicants : 1,000 people | " | 5.2 | 6.4 |
| Allocations | " | 8,844 | 53,100 |
| Allocations: new applicants | per cent | 38.6 | 48.4 |
| Allocations: waiting list | " | 26.7 | 27.2 |

Source: Commonwealth Department of Health, Housing and Community Services.

Engineering construction

The Engineering Construction Survey was first conducted in respect of the September Quarter 1986, replacing the Construction (Other than Building) Survey as a medium for measuring the level of Non-Building (Engineering) Construction activity within the Construction sector.

During 1990-91, the value (at current prices) of engineering construction work done was \$2,317.2m, of which 61.3 per cent (\$1,419.8m) was done by the public sector. Construction of roads, highways, and subdivisions accounted for 17.3 per cent of the value of work done, telecommunications for 31.2 per cent, heavy industry for 9.2 per cent, and electricity generation, transmission, and distribution for 18.4 per cent.

TABLE 10.15 VALUE OF ENGINEERING CONSTRUCTION BY TYPE, 1990-91

| <i>Type of construction</i> | <i>Commenced</i> | | <i>Work done</i> | | <i>Work yet to be done</i> |
|--|-----------------------|-----------------------|------------------------|--|----------------------------|
| | <i>Victoria (\$m)</i> | <i>Victoria (\$m)</i> | <i>Australia (\$m)</i> | <i>Victoria as a percentage of Australia</i> | <i>Victoria (\$m)</i> |
| Roads, highways, and subdivisions | 393.4 | 401.0 | 3,404.4 | 11.8 | 95.1 |
| Bridges | 66.9 | 39.4 | 240.0 | 16.4 | 35.0 |
| Railways | 13.1 | 48.4 | 424.4 | 11.4 | 40.7 |
| Harbours | 11.0 | 28.1 | 150.2 | 18.7 | 6.8 |
| Water storage and supply | 85.3 | 107.5 | 767.9 | 14.0 | 45.5 |
| Sewerage and drainage | 145.8 | 164.1 | 677.0 | 24.2 | 140.7 |
| Electricity generation, transmission, and distribution | 338.3 | 426.1 | 1,552.9 | 27.4 | 156.2 |
| Pipelines | 54.2 | 57.6 | 172.9 | 33.3 | 2.5 |
| Recreation | 95.1 | 93.6 | 482.1 | 19.4 | 10.5 |
| Telecommunications | 715.3 | 722.9 | 2,311.6 | 31.3 | 2.4 |
| Heavy industry | 221.5 | 213.5 | 1,455.2 | 14.7 | 136.1 |
| Other | 9.1 | 14.8 | 55.9 | 26.5 | 6.0 |
| Total of all construction - | | | | | |
| By private sector | 777.3 | 897.4 | 5,706.8 | 15.7 | 414.8 |
| By public sector | 1,371.9 | 1,419.8 | 5,987.7 | 23.7 | 262.6 |
| Total | 2,149.1 | 2,317.2 | 11,694.5 | 19.8 | 667.4 |

REFERENCES

Data sources

The Construction Industry Survey (CIS) consisted of separate collections for the private and public sectors. The private sector collection was conducted as a component of the ABS's integrated economic statistics program. This program has been developed so that data from each industry sector conform to the same basic conceptual standards, thereby allowing comparative analysis across different industry sectors. The results of this survey are therefore comparable with economic censuses undertaken annually for the mining and electricity and gas industries and periodically for the transport, manufacturing, wholesale, retail, and selected service industries. However, as the public sector collection used different concepts, the public sector results cannot validly be aggregated with those for the private sector.

The Building Activity Survey involves a sample survey of private sector house construction activity and complete enumeration of building jobs other than private sector house construction. From the September quarter in 1985, the scope of the Building Activity Survey changed in respect of non-residential building activity. Only non-residential building jobs (both new and alterations and additions) with an approval value of \$30,000 or more were included in the survey, whereas previously, jobs with an approval value of \$10,000 or more were included. From the September quarter 1990, this scope increased further to \$50,000 for non-residential and \$10,000 for residential building jobs (both new and alterations and additions). The building commencements collection is based on building permits issued by local government authorities, and contracts let by or day labour work authorised by Commonwealth, State, semi-government, and local government authorities.

The quarterly Engineering Construction Survey is based on a sample of all construction enterprises operating in Australia, in both private and public sectors. The survey aims to measure the value of all engineering construction work undertaken in Victoria. For the Engineering Construction Survey, all enterprises recorded on the ABS central register of economic units and classified to the construction industry, and all other units known to be undertaking engineering construction work (from trade journals, newspapers, etc.) are included in the survey framework.

ABS publications

Housing Finance for Owner Occupation, Australia (56090)

The Labour Force, Victoria (6202.2)

The Labour Force, Australia (6203.0)

Dwelling Unit Commencements Reported by Approving Authorities, Victoria (8741.2)

Building Activity, Australia: Dwelling Unit Commencements, Preliminary (8750.0)

Building Activity, Australia (8752.0)

Building Activity, Victoria (8752.2)

Engineering Construction, Australia (8762.0)

Private Sector Construction Establishments, Details of Operations, Australia, 1984-85 (8772.0)

Private Sector Construction Establishments, Details of Operations, Victoria, 1984-85 (8772.2)

Public Sector Construction Activity Survey, 1984-85 (8775.0)

Non - ABS sources

Commonwealth Department of Health, Housing and Community Services, Annual Report, 1989-90

Ministry for Planning and Housing, Annual Report, 1990-91

11 Transport, Communication, and Tourism



TRANSPORT

INTRODUCTION

In 1989-90 the Transport, storage, and communication industry sector contributed 13.6 per cent of the total Victorian Gross Domestic Product (GDP) at factor cost.

In 1989-90, Victoria's percentage share of the national GDP at factor cost for the Transport, storage, and communication industry sector was 24.1 per cent.

TABLE 11.1 TRANSPORT, STORAGE, AND COMMUNICATION INDUSTRY - GROSS DOMESTIC PRODUCT AT FACTOR COST

| | 1984-85r | 1985-86r | 1986-87r | 1987-88r | 1988-89r | 1989-90 |
|---------------------------------------|----------|----------|----------|----------|----------|---------|
| Australia (\$m) | 16,678 | 18,486 | 20,508 | 23,896 | 25,836 | 27,477 |
| Victoria (\$m) | 3,895 | 4,406 | 5,118 | 5,977 | 6,380 | 6,626 |
| Victoria as a percentage of Australia | 23.4 | 23.8 | 25.0 | 25.0 | 25.0 | 24.1 |

TABLE 11.2 RAILWAYS TRAFFIC, EXCLUDING ROAD MOTOR SERVICES, VICTORIA

| Traffic | 1984-85 | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 |
|---|---------------|---------------|---------------|---------------|---------------|----------------|
| Average number of kilometres open for traffic | 5,760 | 5,372 | 5,257 | 5,150 | 5,047 | 5,043 |
| | ('000) | | | | | |
| Traffic train kilometres - | | | | | | |
| Country and interstate | 7,047 | 7,857 | 7,507 | 7,045 | 7,225 | 7,127 |
| Suburban | 13,983 | 14,200 | 13,600 | 13,800 | 13,800 | 13,307 |
| Goods | 9,258 | 7,752 | 7,292 | 6,590 | 5,801 | 5,898 |
| Total | 30,288 | 29,809 | 28,399 | 27,435 | 26,826 | 26,332 |
| Passenger journeys - | | | | | | |
| Country and interstate | 4,293 | 4,963 | 5,222 | 5,478 | 5,825 | 6,065 |
| Suburban (a) | 86,300 | 89,300 | 92,600 | 88,609 | 93,500 | 95,600 |
| Total | 90,593 | 94,263 | 97,822 | 94,087 | 99,325 | 101,665 |

(a) These figures exclude suburban rail journeys made on multi-modal tickets purchased on trams or buses.

Source: Public Transport Corporation, Victoria

Rail and Bus

Over the period 1984-85 to 1989-90, there was a 12.4 per cent decrease in the average number of kilometres open for rail traffic. Goods train traffic kilometres also decreased, from 9.3 million kms in 1984-85 to 5.9 million kms in 1989-90, a decrease of 36.6 per cent. The number of suburban passenger journeys increased steadily from 86.3 million in 1984-85 to 95.6 million in 1989-90. Country and interstate passenger journeys have fluctuated in number over the period but at 6.0 million in 1989-90 they were 40.5 per cent higher than in 1984-85 (4.3 million).

Metropolitan Melbourne is served by both Government and private buses. From 1 July 1983, bus services in Victorian country areas and provincial centres came under the control of the Public Transport Authority (V/Line). The services are operated by private bus companies, some of which are under contract to V/Line to provide coach services connecting with or extending the rail network.

TABLE 11.3 COUNTRY AND PROVINCIAL ROAD PASSENGER SERVICES, VICTORIA
(^{'000})

| <i>Particulars</i> | <i>1987-88</i> | <i>1988-89</i> | <i>1989-90</i> |
|-----------------------------|----------------|----------------|----------------|
| PRIVATE BUS SERVICES | | | |
| Country services - | | | |
| Passengers | 3,852 | 3,938 | 4,254 |
| Bus kilometres | 8,968 | 8,744 | 8,820 |
| Revenue (\$) | 4,789 | 5,067 | 6,837 |
| Subsidy (\$) | 3,447 | 3,706 | 5,212 |
| Urban services (a) - | | | |
| Passengers | 8,382 | 8,497 | 8,799 |
| Bus kilometres | 5,837 | 5,764 | 5,915 |
| Revenue (\$) | 3,808 | 3,376 | 4,343 |
| Subsidy (\$) | 7,735 | 8,863 | 9,645 |
| CONTRACT SERVICES | | | |
| Passengers | 512 | 459 | 569 |
| Bus kilometres | n.a. | 4,302 | 4,527 |
| Contract costs (\$) | 4,419 | 5,117 | 5,553 |

(a) Covers the Geelong, Ballarat, Bendigo, and La Trobe Valley areas.

Motor Vehicles on Register

The 1991 figures are based on a new processing system using the new Vehicle Identification Number (VIN) adopted by motor vehicle registration authorities, which allows for more accurate identification and classification of newly registered vehicles. As a result, data processed on this system is not strictly comparable with data processed on the old system.

Concurrently, the classification of goods carrying vehicles was altered to reflect the new Third Australian Design Rule. As a result, only those goods carrying vehicles with a gross vehicle mass (G.V.M.) over 3.5 tonnes are now included in rigid trucks and the remainder are either in utilities or panel vans. There were 2,775,200 motor vehicles on register in Victoria at 30 June 1991, a 12.0 per cent increase on the 2,476,800 at 30 June 1986.

Drivers' and Riders' Licences

There were 157,916 riders' licences in force at the end of June 1991, an increase of 44 per cent on the 109,557 at the end of June 1986. Motor cycles on register at the end of June 1991 were 72,200 in

TABLE 11.4 MOTOR VEHICLES ON REGISTER AT 30 JUNE
(^{'000})

| Type of vehicle | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|----------------|----------------|----------------|----------------|---------------|----------------|
| Motor cars and station wagons | 1,972.9 | 2,010.2 | 2,064.7 | 2,076.2 | 2,137.8 | 2,226.5 |
| Utilities | | | | | | 226.5 |
| Panel vans (a) | 382.2 | 393.3 | 398.6 | 401.8 | 405.4 | 122.7 |
| Trucks - | | | | | | |
| Rigid | | | | | | 87.0 |
| Articulated | 13.3 | 13.7 | 13.8 | 13.1 | 14.2 | 14.6 |
| Other truck type vehicles | 12.9 | 13.6 | 13.7 | 11.7 | 13.0 | 11.3 |
| Buses | 13.8 | 14.1 | 14.3 | 13.9 | 13.8 | 14.4 |
| Motor cycles | 81.8 | 84.5 | 70.1 | 68.1 | 67.9 | 72.2 |
| Total - Victoria | 2,476.8 | 2,529.4 | 2,575.2 | 2,585.2 | 2720.0 | 2,775.2 |
| Total - Australia | 9,290.5 | 9,374.3 | 9,544.4 | 11,485.3 | 12116.8 | 9,934.1 |
| Victoria as a percentage of Australia | 26.7 | 27.0 | 26.9 | 22.5 | 22.4 | 27.9 |

(a) Split of data for years prior to 1991 are not comparable. Refer to previous Year Books for details of earlier years.

number, which represented a decrease of 12.0 per cent on the 1986 figure of 81,800. In contrast, drivers' licences in force at the end of June 1991 numbered 2,785,753, an increase of 16.5 per cent on the 2,390,888 in 1986. Motor vehicles (excluding motor cycles) on register increased by 12.9 per cent from 2,395,000 in 1986 to 2,703,000 in 1991.

TABLE 11.5 DRIVERS' AND RIDERS' LICENCES (a) IN FORCE AT 30 JUNE, VICTORIA

| Type of Licence | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Drivers' | 2,390,888 | 2,472,057 | 2,566,312 | 2,650,700 | 2,725,835 | 2,785,753 |
| Riders' | 109,557 | 118,301 | 130,394 | 140,612 | 149,454 | 157,916 |
| Total | 2,500,445 | 2,590,358 | 2,696,706 | 2,791,312 | 2,875,289 | 2,943,669 |

(a) A licence holder may hold both a drivers' and a riders' licence and be counted in both categories.

TABLE 11.6 ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, NUMBER OF PERSONS KILLED OR INJURED, VICTORIA

| Period | Fatal accidents | Total accidents(a) | Persons killed | Persons injured(b) | Per 100,000 of mean population | | | |
|--------|-----------------|--------------------|----------------|--------------------|--------------------------------|------------------|----------------|--------------------|
| | | | | | Fatal accidents | Injury accidents | Persons killed | Persons injured(b) |
| 1984 | 584 | 6,965 | 657 | 8,264 | 14.3 | 156.5 | 16.1 | 202.6 |
| 1985 | 605 | 7,221 | 683 | 8,642 | 14.7 | 160.5 | 16.6 | 209.7 |
| 1986 | 610 | 7,348 | 668 | 8,866 | 14.7 | 161.9 | 16.1 | 213.1 |
| 1987 | 626 | 8,246 | 705 | 9,892 | 14.9 | 181.1 | 16.8 | 235.0 |
| 1988 | 627 | 8,427 | 701 | 10,333 | 14.7 | 183.0 | 16.4 | 242.4 |
| 1989 | 681 | 7,951 | 776 | 9,356 | 15.8 | 168.2 | 18.0 | 216.5 |

(a) Resulting in death or in one or more injured persons being admitted to hospital.

(b) Admitted to hospital.

TABLE 11.7 ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, VICTORIA AS A PERCENTAGE OF AUSTRALIA

| <i>Particulars</i> | 1987 | 1988 | 1989 |
|---------------------------------------|------|------|------|
| Accidents - Fatal | 25.2 | 24.4 | 28.3 |
| Serious injury (a) | 33.1 | 34.2 | 32.8 |
| Casualties - Persons killed | 25.4 | 24.3 | 27.7 |
| Persons admitted to hospital | 33.3 | 34.8 | 32.8 |
| Estimated mean resident population | 25.9 | 25.7 | 25.7 |
| Motor vehicles on register at 30 June | 27.0 | 26.9 | 22.5 |

(a) A non-fatal road vehicle accident resulting in one or more persons being admitted to hospital.

TABLE 11.8 ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, TYPE OF ROAD USER KILLED OR INJURED, VICTORIA

| <i>Type of road user</i> | 1987 | | 1988 | | 1989 | |
|---------------------------|---------------|----------------|---------------|----------------|---------------|----------------|
| | <i>Killed</i> | <i>Injured</i> | <i>Killed</i> | <i>Injured</i> | <i>Killed</i> | <i>Injured</i> |
| Drivers of motor vehicles | 309 | 4,301 | 284 | 4,546 | 338 | 4,075 |
| Motor cyclists | 64 | 1,027 | 58 | 928 | 59 | 877 |
| Passengers (any type) | 170 | 2,789 | 187 | 3,012 | 185 | 2,607 |
| Pedestrians | 136 | 1,159 | 154 | 1,194 | 159 | 1,152 |
| Pedal cyclists | 25 | 549 | 17 | 602 | 34 | 583 |
| Other | 1 | 67 | 1 | 51 | 1 | 62 |
| Total | 705 | 9,892 | 701 | 10,333 | 776 | 9,356 |

Survey of Motor Vehicle Usage

The triennial Survey of Motor Vehicle Usage (SMVU) is undertaken by the ABS in response to a wide range of users' needs to monitor the details for motor vehicle usage within Australia. Details obtained determine the total distance travelled by vehicles classified to area of operations and purpose of travel. Information is also obtained on tonne-kilometres, average load carried, vehicle usage (i.e. business or private), fuel consumption, driver characteristics, bus passengers carried and other important variables.

TABLE 11.9 SURVEY OF MOTOR VEHICLE USAGE: SELECTED STATISTICS, 1988

| <i>Particulars</i> | <i>Victoria</i> | <i>Australia</i> | <i>Victoria as a percentage of Australia</i> |
|--|-----------------|------------------|--|
| Number of Vehicles | 2,531,783 | 9,365,436 | 27.0 |
| Total kilometres travelled (million kilometres) | 42,973.2 | 153,914.9 | 27.9 |
| Total business kilometres travelled (million kilometres) | 13,783.6 | 51,060.5 | 27.0 |
| Total tonne-kilometres (million tonne-kilometres) | 22,884.8 | 85,528.8 | 26.8 |
| Total tonnes carried (million tonnes) | 245.6 | 990.2 | 24.8 |
| Total kilometres travelled (bus) (million kilometres) | 299.1 | 1,432.8 | 20.9 |
| Total passengers carried by bus (million passengers) | 204.1 | 973.7 | 21.0 |

The statistics are used in making decisions regarding the monitoring, planning and policy issues that affect all Australian motorists.

The 1988 SMVU consisted of some 67,000 vehicles (including for the first time since 1979 details pertaining to buses) selected from State/Territory motor registry files. Final results from this survey were released in April 1990. Some of the key results from the Survey are set out in Table 11.9.

The latest Survey of Motor Vehicle Usage (SMVU) conducted relates to vehicles on register at 30 September 1991. Results from this survey are expected to be available in 1992.

Air transport

In 1990 there were 5.9 million passengers who either embarked or disembarked at Melbourne (Tullamarine) airport from 62,674 domestic aircraft movements.

By the end of March the domestic airlines had largely completed rebuilding after the pilots dispute at the end of 1989 and at the same time had commenced restructuring in the lead up to interstate deregulation on 31 October. The 25.3 per cent increase in passenger activity during 1990 was primarily attributable to the 1989 pilots dispute, as aircraft movements increased 17.6 per cent in 1990. In comparison with 1985, domestic passenger activity increased by 16.8 per cent in 1990, while aircraft movements only increased 2.3 per cent over the five year period as the airlines rationalised their aircraft fleets.

International air transport continued the strong growth recorded in earlier years. Passenger activity and aircraft movements in 1990 reflected significant increases over 1985, with growth rates of 48.3 and 40 per cent respectively.

TABLE 11.10 MELBOURNE (TULLAMARINE) AIRPORT

| <i>Particulars</i> | <i>1985r</i> | <i>1986r</i> | <i>1987</i> | <i>1988</i> | <i>1989r</i> | <i>1990</i> |
|---|--------------|--------------|-------------|-------------|--------------|-------------|
| Domestic aircraft movements | 61,241 | 64,196 | 67,314 | 69,227 | 53,275 | 62,674 |
| Domestic passengers embarked ('000) | 2,529 | 2,616 | 2,785 | 3,022 | 2,350 | 2,953 |
| Domestic passengers disembarked ('000) | 2,531 | 2,623 | 2,785 | 3,012 | 2,367 | 2,956 |
| International aircraft movements | 11,359 | 12,691 | 13,619 | r13,907 | 14,697 | 15,900 |
| Passengers arriving from/departing to overseas ('000) | 1,157 | 1,262 | 1,419 | r1,539 | 1,629 | 1,715 |

Source: Department of Transport and Communications.

TABLE 11.11 REGULAR DOMESTIC INTERSTATE AIR SERVICES TERMINATING IN VICTORIA

| <i>Particulars</i> | <i>1985</i> | <i>1986</i> | <i>1987</i> | <i>1988</i> | <i>1989</i> | <i>1990</i> |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Kilometres flown ('000) | 46,577 | 49,313 | 52,254 | 56,281 | r43,526 | 53,806 |
| Passenger kilometres ('000) | 4,254,598 | 4,472,940 | 4,812,800 | 5,318,418 | r4,162,575 | 5,350,708 |
| Freight - | | | | | | |
| Tonnes | 102,961 | 94,121 | 90,132 | 99,005 | r68,482 | 74,193 |
| Tonne kilometres ('000) | 84,565 | 80,001 | 77,410 | 79,945 | r55,154 | 60,242 |
| Mail - | | | | | | |
| Tonnes | 8,151 | 8,054 | 8,906 | 10,474 | 7,577 | 9,349 |
| Tonne kilometres ('000) | 7,779 | 8,054 | 8,760 | 9,901 | 7,380 | 9,339 |

Source: Department of Transport and Communications.

COMMUNICATIONS

Telephone services

In 1990 there were 3.1 million telephone installations in Victoria. The number of public telephones in 1990 was 6,911, an increase of 0.4 per cent from 6,556 in 1985. The ABS has conducted three telephone connection surveys, the latest in August 1991. They were conducted as part of the household based Monthly Labour Force Survey.

The latest survey showed that in August 1991 there were an estimated 1,467,200 dwellings with a telephone connection. This represented 96.6 per cent of all households in Victoria, and comprised 94.0 per cent with one telephone and 2.6 per cent with two or more telephones. The corresponding figures for Australia were 5,670,900 households, (94.4 per cent), of which 92.1 per cent had one telephone and 2.3 per cent had two telephones.

TABLE 11.12 HOUSEHOLDS: WHETHER PHONE CONNECTED AND REASON FOR NON-CONNECTION, VICTORIA AND AUSTRALIA
(Per cent)

| | Telephone connected | Telephone not connected - Main reason for non-connection | | | Total |
|-------------|---------------------|--|--------------------|-------|-------|
| | | Don't need one | Cost/too expensive | Other | |
| March 1983 | | | | | |
| Victoria | 88.5 | 3.1 | 5.5 | 2.9 | 100.0 |
| Australia | 85.3 | 3.4 | 7.5 | 3.8 | 100.0 |
| March 1986 | | | | | |
| Victoria | 94.2 | 1.4 | 2.5 | 1.9 | 100.0 |
| Australia | 91.3 | 2.0 | 4.5 | 2.2 | 100.0 |
| August 1991 | | | | | |
| Victoria | 96.6 | 0.9 | 1.8 | 0.7 | 100.0 |
| Australia | 94.4 | 1.3 | 3.1 | 1.2 | 100.0 |

TABLE 11.13 TELEPHONE SERVICES AT 30 JUNE, VICTORIA

| Particulars | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 |
|------------------------------|-------|-------|-------|-------|-------|-------|
| Telephone exchanges | 1,167 | 1,096 | 1,097 | 1,099 | 1,299 | 1,328 |
| Public telephones | 6,556 | 6,084 | 6,920 | 6,910 | 6,500 | 6,911 |
| Services in operation ('000) | 1,671 | 1,740 | 1,839 | 1,919 | 1,950 | 2,116 |
| Instruments connected ('000) | 2,446 | 2,554 | 2,656 | 2,772 | 2,850 | 3,064 |

Source: Telecom Australia

Postal services

There were 944 million standard articles posted in Victoria and received from overseas in Victoria in 1989-90. This was 29 per cent more than in 1984-85 (730 million). The corresponding figure for registered articles (excluding registered parcels) in 1989-90 was 1.6 million, a decrease of 20 per cent on 1984-85 (2.0 million).

TABLE 11.14 POSTAL ARTICLES HANDLED BY AUSTRALIA POST, VICTORIA
('000)

| <i>Period</i> | <i>Standard articles</i> | <i>Registered articles (except parcels)</i> | <i>Non-standard articles</i> | <i>Parcels (including registered)</i> |
|--|--------------------------|---|------------------------------|---------------------------------------|
| POSTED IN VICTORIA FOR DELIVERY WITHIN AUSTRALIA | | | | |
| 1984-85 | 659,247 | 700 | 122,076 | 8,466 |
| 1985-86 | 676,452 | 662 | 133,487 | 9,295 |
| 1986-87 | 722,664 | 375 | 142,681 | 9,401 |
| 1987-88 | 792,202 | 311 | 142,822 | 9,419 |
| 1988-89 | 863,060 | 333 | 146,081 | 9,697 |
| 1989-90 | 860,818 | 346 | 148,990 | 9,486 |
| POSTED IN VICTORIA FOR DELIVERY OVERSEAS AND RECEIVED IN VICTORIA FROM OVERSEAS | | | | |
| 1984-85 | 71,033 | 1,227 | 20,466 | 1,360 |
| 1985-86 | 71,920 | 1,183 | 20,012 | 1,219 |
| 1986-87 | 71,900 | 1,309 | 20,453 | 1,385 |
| 1987-88 | 72,614 | 1,390 | 21,881 | 1,396 |
| 1988-89 | 78,632 | 1,428 | 25,462 | 1,389 |
| 1989-90 | 83,119 | 1,259 | 27,376 | 1,492 |
| TOTAL POSTED IN VICTORIA AND RECEIVED FROM OVERSEAS IN VICTORIA | | | | |
| 1984-85 | 730,280 | 1,927 | 142,542 | 9,826 |
| 1985-86 | 748,372 | 1,845 | 153,499 | 10,514 |
| 1986-87 | 794,564 | 1,684 | 163,134 | 10,786 |
| 1987-88 | 864,816 | 1,701 | 164,703 | 10,815 |
| 1988-89 | 941,692 | 1,761 | 171,543 | 11,086 |
| 1989-90 | 943,937 | 1,605 | 176,366 | 10,978 |

Source: Australian Postal Commission

TOURISM

A quarterly accommodation survey is undertaken to provide information about the utilisation of available tourist accommodation. This survey commenced from the September quarter 1975. Data collected includes the available capacity, room occupancy, bed occupancy, and takings from accommodation. Currently, the types of accommodation surveyed are hotels, motels, and guest houses with facilities; caravan parks; and holiday flats, units, and houses.

Accommodation establishments in the snow districts of Victoria, which are located within the Ovens-Murray (formerly North Eastern) and Goulburn Statistical Divisions, usually experience high occupancy during the September quarter. Occupancy rates in the Mallee (formerly Northern Mallee) Statistical Division tend to be lower in the March quarter, when it is frequently very hot during the daytime. For the remainder of the State, high occupancy occurs during the Christmas school holidays, particularly in the statistical divisions with coastal resorts.

TABLE 11.15 HOTELS, MOTELS AND GUEST HOUSES WITH FACILITIES: NUMBER OF ESTABLISHMENTS (a), NUMBER OF GUEST ROOMS (a), AND TAKINGS (b); BY STATISTICAL DIVISION, VICTORIA

| | | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 | 1990-91 |
|--|--------|---------|---------|---------|---------|---------|---------|
| BARWON STATISTICAL DIVISION | | | | | | | |
| Establishments | No. | 52 | 57 | 64 | 70 | 70 | 75 |
| Guest rooms | No. | 1,025 | 1,078 | 1,148 | 1,315 | 1,318 | 1,482 |
| Takings from accommodation | \$'000 | 6,311 | 7,025 | 8,416 | 10,390 | 12,637 | 12,774 |
| WESTERN STATISTICAL DIVISION | | | | | | | |
| Establishments | No. | 52 | 57 | 61 | 71 | 73 | 76 |
| Guest rooms | No. | 1,019 | 1,057 | 1,145 | 1,353 | 1,403 | 1,376 |
| Takings from accommodation | \$'000 | 6,923 | 6,877 | 7,761 | 9,690 | 11,175 | 10,956 |
| CENTRAL HIGHLANDS STATISTICAL DIVISION | | | | | | | |
| Establishments | No. | 41 | 44 | 44 | 53 | 54 | 60 |
| Guest rooms | No. | 839 | 896 | 894 | 1,028 | 1,056 | 1,119 |
| Takings from accommodation | \$'000 | 6,671 | 7,353 | 7,696 | 9,658 | 11,330 | 11,366 |
| WIMMERA STATISTICAL DIVISION | | | | | | | |
| Establishments | No. | 37 | 40 | 44 | 46 | 48 | 52 |
| Guest rooms | No. | 608 | 687 | 747 | 784 | 825 | 878 |
| Takings from accommodation | \$'000 | 3,777 | 4,599 | 5,406 | 5,865 | 6,235 | 6,347 |
| MALLEE STATISTICAL DIVISION | | | | | | | |
| Establishments | No. | 50 | 51 | 52 | 63 | 63 | 70 |
| Guest rooms | No. | 1,368 | 1,370 | 1,402 | 1,561 | 1,556 | 1,622 |
| Takings from accommodation | \$'000 | 10,676 | 10,581 | 11,082 | 12,101 | 14,172 | 13,767 |
| LODDON - CAMPASPE STATISTICAL DIVISION | | | | | | | |
| Establishments | No. | 59 | 62 | 68 | 89 | 90 | 85 |
| Guest rooms | No. | 969 | 1,013 | 1,147 | 1,548 | 1,546 | 1,493 |
| Takings from accommodation | \$'000 | 7,190 | 7,333 | 8,810 | 12,001 | 14,306 | 14,859 |
| GOULBURN STATISTICAL DIVISION | | | | | | | |
| Establishments | No. | 71 | 77 | 77 | 112 | 116 | 129 |
| Guest rooms | No. | 1,194 | 1,342 | 1,352 | 2,033 | 2,155 | 2,293 |
| Takings from accommodation | \$'000 | 7,178 | 8,096 | 8,774 | 12,446 | 16,501 | 17,915 |
| OVENS-MURRAY STATISTICAL DIVISION | | | | | | | |
| Establishments | No. | 76 | 77 | 77 | 98 | 100 | 109 |
| Guest rooms | No. | 1,428 | 1,423 | 1,479 | 1,931 | 1,954 | 2,265 |
| Takings from accommodation | \$'000 | 9,852 | 10,714 | 10,542 | 13,335 | 16,929 | 17,193 |
| EAST GIPPSLAND STATISTICAL DIVISION | | | | | | | |
| Establishments | No. | 54 | 59 | 60 | 64 | 63 | 67 |
| Guest rooms | No. | 1,065 | 1,110 | 1,117 | 1,187 | 1,158 | 1,253 |
| Takings from accommodation | \$'000 | 6,763 | 7,144 | 8,010 | 9,115 | 9,879 | 10,033 |
| MELBOURNE AND GIPPSLAND STATISTICAL DIVISIONS (c) | | | | | | | |
| Establishments | No. | 248 | 258 | 258 | 289 | 301 | 318 |
| Guest rooms | No. | 10,130 | 10,962 | 10,943 | 12,177 | 13,067 | 14,924 |
| Takings from accommodation | \$'000 | 130,178 | 155,399 | 197,947 | 240,028 | 262,217 | 272,939 |

TABLE 11.15 HOTELS, MOTELS AND GUEST HOUSES WITH FACILITIES: NUMBER OF ESTABLISHMENTS (a), NUMBER OF GUEST ROOMS (a), AND TAKINGS (b); BY STATISTICAL DIVISION, VICTORIA - continued

| | | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 | 1990-91 |
|----------------------------|--------|---------|---------|---------|---------|---------|---------|
| TOTAL VICTORIA | | | | | | | |
| Establishments | No. | 740 | 782 | 805 | 955 | 978 | 1,034 |
| Guest rooms | No. | 19,645 | 20,938 | 21,374 | 24,925 | 26,038 | 28,705 |
| Takings from accommodation | \$'000 | 195,522 | 225,120 | 274,447 | 334,629 | 375,381 | 389,857 |

(a) Number of establishments and number of guest rooms as at 30 June of each year.

(b) Takings from accommodation represent the total for each twelve months period.

(c) Owing to the Statistical Division (SD) boundary changes effective from 1 January, 1991, the SDs of Melbourne and Gippsland have been combined in this table so as to preserve the comparability of the time series as nearly as possible. Prior to 1990-91, the data includes East Central SD which was absorbed by the other two SDs.

The table below illustrates the Statistical Division aggregates for the three S.D.'s involved, on both the "old" and "new" basis.

BOUNDARIES PRIOR TO 1 JANUARY 1991

| | | 1985-86 | 1986-87 | 1987-88 | 1988-89 | 1989-90 | 1990-91 |
|-----------------------------------|--------|---------|---------|---------|---------|---------|---------|
| MELBOURNE STATISTICAL DIVISION | | | | | | | |
| Establishments | No. | 179 | 185 | 188 | 212 | 222 | 244 |
| Guest rooms | No. | 8,784 | 9,582 | 9,661 | 10,739 | 11,576 | 13,602 |
| Takings from accommodation | \$'000 | 123,783 | 148,567 | 190,535 | 230,528 | 252,224 | 265,207 |
| EAST CENTRAL STATISTICAL DIVISION | | | | | | | |
| Establishments | No. | 30 | 32 | 30 | 22 | 22 | |
| Guest rooms | No. | 609 | 606 | 555 | 416 | 438 | |
| Takings from accommodation | \$'000 | 3,213 | 3,487 | 4,062 | 3,990 | 3,468 | |
| GIPPSLAND STATISTICAL DIVISION | | | | | | | |
| Establishments | No. | 39 | 41 | 40 | 55 | 57 | 74 |
| Guest rooms | No. | 737 | 774 | 727 | 1,030 | 1,053 | 1,322 |
| Takings from accommodation | \$'000 | 3,182 | 3,345 | 3,350 | 5,510 | 6,525 | 7,732 |

NOTE: In the six months to December 1990, \$1,705,000 was taken by accommodation establishments in the East Central Statistical Division, prior to the boundary changes.

Short-term overseas visitors to Victoria

Movement of international travellers whose intended or actual stay is less than twelve months is classified by the ABS as short-term, with the exception of travel by those who on arrival hold migrant visas.

Persons arriving in Australia are required to complete prescribed questionnaires in the form of Incoming Passenger cards. These cards provide information to the Department of Immigration, Local Government and Ethnic Affairs and also serve as the source of statistics of overseas arrivals.

Overseas arrival statistics are derived from a combination of full enumeration and sampling. Fully enumerated strata cover all permanent movements and all movements with a duration or stay of more than one year. All movements with a duration of stay of less than one year are sampled and statistics relating to these movements in Table 11.16 are therefore estimates, which may differ from statistics which would have been obtained if all those movements had had been processed.

Tables 11.16 and 11.17 provide details of the estimated number of short-term overseas visitors who nominated Victoria as their intended address whilst in Australia. They do not reflect the total number of overseas visitors who visited Victoria whilst in Australia.

In 1990, there were 336,760 short-term visitor arrivals who nominated Victoria as their intended address in Australia. Of these visitors, 35 per cent came from Asia, 29 per cent from Europe, 20 per cent from Oceania, 15 per cent from America, and 1 per cent from Africa.

It is interesting to note that 56 per cent of all short-term visitors from overseas came from just four countries, namely New Zealand (18 per cent), the United Kingdom (13 per cent), Japan (13 per cent), and the United States (12 per cent).

Table 11.17 indicates that short-term visitors who arrived to visit relatives in 1990, did so in much greater numbers from the United Kingdom (20,743) than from Italy (2,237), or Greece (1,811). According to the 1986 Population Census 250,000 Victorians were born in the UK or Ireland, 109,000 were born in Italy, and 68,000 were born in Greece. Another 167,000 Victorians were born to UK or Irish mothers, while 88,000 and 53,000 had Italian or Greek mothers, respectively.

TABLE 11.16 SHORT-TERM VISITOR ARRIVALS (a) BY MAIN PURPOSE OF JOURNEY AND WHERE STATE OF INTENDED STAY IS VICTORIA, 1990

| <i>Main purpose of journey</i> | <i>Mar qtr</i> | <i>June qtr</i> | <i>Sept qtr</i> | <i>Dec qtr</i> |
|--|----------------|-----------------|-----------------|----------------|
| In transit, student vacation | 662 | 928 | 735 | 888 |
| Visiting relatives | 24,812 | 18,869 | 18,883 | 32,669 |
| Holiday, accompanying business traveller | 41,841 | 31,880 | 29,100 | 47,844 |
| Attending convention | 705 | 581 | 884 | 1,304 |
| Business | 15,083 | 12,159 | 11,50 | 12,600 |
| Employment | 1,756 | 1,386 | 1,645 | 1,121 |
| Other, and not stated | 9,459 | 6,307 | 5,677 | 5,034 |
| Total | 94,317 | 72,110 | 68,874 | 101,459 |

(a) Figures for short-term movement are largely based on a sample and are subject to sampling error.

Source: *Overseas Arrivals and Departures, Australia (ABS Cat. No. 3402.0)*

TABLE 11.17 SHORT-TERM VISITOR ARRIVALS BY COUNTRY OF RESIDENCE, REASON FOR STAY, AND WHERE STATE OF INTENDED STAY IS VICTORIA, 1990

| <i>Country of residence</i> | <i>Visiting relatives</i> | <i>Reason for journey</i> | | | <i>Total</i> |
|-----------------------------|---------------------------|---|--|-----------------------------|---------------|
| | | <i>Holiday, accompanying business traveller</i> | <i>Business employment, attending convention</i> | <i>Other and not stated</i> | |
| Africa | | | | | |
| South Africa | 985 | 384 | 159 | 755 | 1,609 |
| Other Africa | 985 | 320 | 133 | 173 | 1,607 |
| Total Africa | 1,970 | 703 | 293 | 248 | 3,216 |
| North America | | | | | |
| Canada | 3,319 | 3,420 | 1,010 | 427 | 8,175 |
| United States | 7,94 | 17,263 | 11,341 | 2,583 | 39,162 |
| Total | 11,2993 | 20,681 | 12,351 | 3,041 | 47,370 |
| Central America | 50 | 203 | 57 | 23 | 337 |
| South America | 663 | 497 | 297 | 156 | 1,614 |
| Total America (c) | 12,238 | 21,466 | 12,762 | 3,293 | 49,758 |

**TABLE 11.17 SHORT-TERM VISITOR ARRIVALS BY COUNTRY OF RESIDENCE,
REASON FOR STAY, AND WHERE STATE OF INTENDED STAY IS VICTORIA, 1990,
- continued**

| Country of residence | Reason for journey | | | | Total |
|-----------------------------------|--------------------|--|---|----------------------|----------------|
| | Visiting relatives | Holiday, accompanying business traveller | Business employment, attending convention | Other and not stated | |
| Asia | | | | | |
| Western Asia (Middle East) (a) | 2,179 | 1,311 | 590 | 301 | 4,385 |
| South Central Asia (b) | 2,046 | 1,212 | 841 | 1,050 | 5,149 |
| South East Asia | | | | | |
| Indonesia | 1,263 | 2,856 | 551 | 1,072 | 5,744 |
| Malaysia | 4,131 | 3,353 | 1,000 | 2,768 | 11,252 |
| Singapore | 2,242 | 4,552 | 2,284 | 858 | 10,119 |
| Other | 2,316 | 3,292 | 1,303 | 1,447 | 8,350 |
| Total | 11,162 | 14,568 | 5,498 | 6,483 | 37,708 |
| East Asia | | | | | |
| China | 471 | 941 | 1,325 | 2,816 | 5,556 |
| Hong Kong | 3,413 | 7,100 | 2,081 | 2,028 | 14,622 |
| Japan | 1,095 | 34,299 | 5,848 | 2,073 | 43,315 |
| Taiwan | 343 | 5,585 | 785 | 525 | 7,239 |
| Other | 185 | 388 | 433 | 359 | 1,360 |
| Total | 5,507 | 48,313 | 10,472 | 7,801 | 72,092 |
| Total Asia | 16,503 | 61,570 | 15,300 | 11,849 | 105,220 |
| Europe | | | | | |
| United Kingdom | 20,743 | 16,242 | 5,700 | 2,263 | 44,953 |
| Germany | 2,858 | 7,523 | 1,809 | 588 | 12,779 |
| Greece | 1,811 | 621 | 123 | 132 | 2,704 |
| Italy | 2,237 | 2,519 | 887 | 354 | 5,998 |
| Netherlands | 1,775 | 1,076 | 658 | 202 | 3,713 |
| Sweden | 522 | 2,191 | 906 | 248 | 3,871 |
| Switzerland | 617 | 2,135 | 436 | 156 | 3,344 |
| Other | 8,015 | 6,9952 | 3,321 | 1,323 | 19,58 |
| Total Europe | 38,578 | 39,259 | 13,849 | 5,266 | 966,951 |
| Oceania | | | | | |
| New Zealand | 20,151 | 21,754 | 16,324 | 3,982 | 62,210 |
| Other | 2,213 | 2,484 | 845 | 1,534 | 7,077 |
| Total Oceania | 22,364 | 24,238 | 17,169 | 5,516 | 69,287 |
| Other and not stated | 218 | 108 | 57 | 62 | 452 |
| Grand total | 95,233 | 150,665 | 61,174 | 29,690 | 336,759 |

(a) Includes Cyprus, Israel, Lebanon, Saudi Arabia, Turkey, and other Western Asia

(b) Includes India, Nepal, Pakistan, Sri Lanka, and other South-Central Asia

(c) Includes Carribean, America undefined

Source: Unpublished data (ABS Table No. 31)

REFERENCES

Data sources

The latest year for which ABS estimates are available for State Gross Domestic Product at factor cost by industry is 1983-84. For subsequent years, use has been made of estimates for gross operating surplus prepared by the Victorian Department of Management and Budget.

The statistics on Metropolitan Transport, railways, country and provincial road passengers services have been obtained through the Ministry of Transport, Victoria. Motor vehicles statistics were obtained from the Road Traffic Authority, Victoria, and the Commonwealth Department of Administrative Services (for Australian Government owned vehicles). Drivers' and riders' licences figures were provided by the Road Traffic Authority, Victoria.

Road traffic accident statistics are compiled by the ABS from data provided by the Road Traffic Authority, Victoria. The statistics on air transport were obtained from the Commonwealth Department of Transport and Communications; telephone services statistics from the Australian Telecommunications Commission; postal statistics from the Australian Postal Commission and the numbers of broadcast and television stations from the Australian Broadcasting Tribunal.

Tourist accommodation statistics are derived from the quarterly ABS Accommodation Survey. The survey covers hotels, motels and guest houses with facilities, short and long term caravan parks; and from the September quarter 1987, holiday flats, units, and houses.

ABS publications

Tourist Accommodation, Australia (8635.0)

Tourist Accommodation, Victoria (8635.2)

Tourist Accommodation, Four and Five Star Hotels and Motels, Victoria (8646.2)

Shipping and Air Cargo Commodity Statistics, Australia (9206.0)

Motor Vehicle Registrations, Australia (monthly) (9303.0)

Motor Vehicle Registrations, Victoria (9303.2)

Motor Vehicle Registrations, Australia (annual) (9304.0)

Motor Vehicle Census, Australia (9309.0)

Road Traffic Accidents Involving Fatalities, Australia (9401.0)

Road Traffic Accidents Involving Casualties (Admissions to Hospitals), Australia (9405.0)

Road Traffic Accidents Involving Casualties, Victoria (9406.2)

Appendix: Historical Statistics

The following tables provide a historical summary of some statistics relating to Victoria. They are based on tables appearing in previous *Victorian Year Books*, the publication *Historical Statistics of Victoria* 1986 (ABS Cat. No. 1309.2), and other ABS sources. It has been necessary to convert certain previously published historical series into metric units.

A blank space indicates that the figures are not available.

A line drawn across a column between two consecutive figures indicates a break in the continuity of the series.

DEMOGRAPHY

POPULATION, VICTORIA

| Year | Population at 31 December (a) (b) | | | | Mean population (a) (b) | | Population of Melbourne (b) (d) |
|------|-----------------------------------|---------|---------------|-----------------|-------------------------|------------------------|---------------------------------|
| | Males | Females | Total Persons | Masculinity (c) | Year ended 30 June | Year ended 31 December | |
| 1836 | 186 | 38 | 224 | 489.47 | | | 200 |
| 1837 | 984 | 280 | 1,264 | 351.43 | | 744 | |
| 1838 | 3,080 | 431 | 3,511 | 714.62 | | 2,388 | |
| 1839 | 4,104 | 1,718 | 5,822 | 238.88 | | 4,667 | |
| 1840 | 7,254 | 3,037 | 10,291 | 238.85 | | 8,057 | 4,000 |
| 1841 | 14,391 | 6,025 | 20,416 | 238.85 | | 15,354 | 4,479 |
| 1842 | 15,691 | 8,108 | 23,799 | 193.52 | | 22,108 | |
| 1843 | 15,892 | 8,211 | 24,103 | 193.55 | | 23,951 | |
| 1844 | 17,626 | 9,108 | 26,734 | 193.52 | | 25,419 | |
| 1845 | 20,624 | 10,656 | 31,280 | 193.54 | | 29,007 | |
| 1846 | 23,531 | 14,803 | 38,334 | 158.96 | | 34,807 | 12,351 |
| 1847 | 26,004 | 16,932 | 42,936 | 153.58 | | 40,635 | |
| 1848 | 30,697 | 20,693 | 51,390 | 148.34 | | 47,163 | |
| 1849 | 39,556 | 26,664 | 66,220 | 148.35 | | 58,795 | |
| 1850 | 45,495 | 30,667 | 76,162 | 148.35 | | 71,191 | |
| 1851 | 58,235 | 39,254 | 97,489 | 148.35 | | 86,826 | 23,143 |
| 1852 | 110,825 | 57,496 | 168,321 | 192.75 | | 132,905 | |
| 1853 | 146,456 | 75,980 | 222,436 | 192.76 | | 185,368 | |
| 1854 | 185,249 | 98,693 | 283,942 | 187.70 | | 253,189 | 76,565 |
| 1855 | 226,462 | 120,843 | 347,305 | 187.40 | | 315,524 | |
| 1856 | 251,349 | 139,035 | 390,384 | 180.78 | | 368,845 | |
| 1857 | 291,523 | 164,999 | 456,522 | 176.68 | | 423,453 | |
| 1858 | 314,923 | 181,223 | 496,146 | 173.78 | | 476,334 | |
| 1859 | 325,259 | 195,813 | 521,072 | 166.11 | | 508,609 | |
| 1860 | 330,302 | 207,932 | 538,234 | 158.85 | | 529,653 | |
| 1861 | 320,888 | 218,876 | 539,764 | 146.61 | | 538,999 | 139,916 |
| 1862 | 322,298 | 229,090 | 551,388 | 140.69 | | 545,576 | |
| 1863 | 324,731 | 243,175 | 567,906 | 133.54 | | 559,647 | 148,873 |
| 1864 | 341,102 | 256,901 | 598,003 | 132.78 | | 582,955 | 154,375 |
| 1865 | 348,717 | 269,074 | 617,791 | 129.60 | | 607,897 | 160,586 |

POPULATION, VICTORIA - *continued*

| Year | Population at 31 December (a) (b) | | | | Mean population (a) (b) | | Population of Melbourne (b) (d) |
|------|-----------------------------------|---------|---------------|-----------------|-------------------------|------------------------|---------------------------------|
| | Males | Females | Total Persons | Masculinity (c) | Year ended 30 June | Year ended 31 December | |
| 1866 | 354,757 | 278,845 | 633,602 | 127.22 | | 625,697 | 167,476 |
| 1867 | 360,112 | 288,190 | 648,302 | 124.96 | | 640,952 | 174,366 |
| 1868 | 371,066 | 300,258 | 671,324 | 123.58 | | 659,813 | 181,945 |
| 1869 | 383,665 | 313,097 | 696,762 | 122.54 | | 684,043 | 190,212 |
| 1870 | 397,230 | 326,695 | 723,925 | 121.59 | | 710,344 | 202,975 |
| 1871 | 407,628 | 338,822 | 746,450 | 120.31 | | 735,188 | 215,991 |
| 1872 | 411,027 | 348,401 | 759,428 | 117.98 | | 752,939 | 229,125 |
| 1873 | 416,756 | 357,052 | 773,808 | 116.72 | | 622,618 | 236,990 |
| 1874 | 421,201 | 364,907 | 786,108 | 115.43 | | 779,958 | 242,800 |
| 1875 | 424,269 | 370,665 | 794,934 | 114.46 | | 790,521 | 254,873 |
| 1876 | 428,243 | 377,181 | 805,424 | 113.54 | | 800,179 | 248,878 |
| 1877 | 433,777 | 385,158 | 818,935 | 112.62 | | 812,180 | 253,577 |
| 1878 | 438,077 | 391,841 | 829,918 | 111.80 | | 824,427 | 260,738 |
| 1879 | 442,699 | 399,058 | 841,757 | 110.94 | | 835,838 | 271,100 |
| 1880 | 450,558 | 408,047 | 858,605 | 110.42 | | 850,181 | 281,037 |
| 1881 | 457,782 | 416,183 | 873,965 | 110.00 | | 866,285 | 288,169 |
| 1882 | 466,788 | 425,977 | 892,765 | 109.58 | | 883,365 | 297,937 |
| 1883 | 477,671 | 434,782 | 912,453 | 109.86 | | 902,609 | 313,550 |
| 1884 | 490,266 | 445,511 | 935,777 | 110.05 | | 924,115 | 334,030 |
| 1885 | 504,097 | 455,741 | 959,838 | 110.61 | | 947,808 | 358,500 |
| 1886 | 523,864 | 469,853 | 993,717 | 111.50 | | 976,778 | 381,590 |
| 1887 | 541,216 | 484,260 | 1,025,476 | 111.76 | | 1,099,597 | 405,520 |
| 1888 | 571,425 | 507,652 | 1,079,077 | 112.56 | | 1,052,277 | 432,350 |
| 1889 | 582,672 | 522,266 | 1,104,938 | 111.57 | | 1,092,008 | 459,360 |
| 1890 | 595,519 | 538,209 | 1,133,728 | 110.65 | | 1,119,333 | 482,600 |
| 1891 | 606,395 | 551,977 | 1,158,372 | 109.86 | | 1,146,050 | 486,620 |
| 1892 | 608,666 | 560,081 | 1,168,747 | 108.67 | | 1,163,560 | 469,390 |
| 1893 | 609,500 | 566,670 | 1,176,170 | 107.56 | | 1,172,459 | 449,560 |
| 1894 | 609,379 | 572,776 | 1,182,155 | 106.39 | | 1,179,163 | 444,340 |
| 1895 | 607,933 | 577,743 | 1,185,676 | 105.23 | | 1,183,916 | 452,210 |
| 1896 | 599,497 | 580,353 | 1,179,850 | 103.30 | | 1,182,763 | 458,300 |
| 1897 | 599,621 | 582,485 | 1,182,106 | 102.94 | | 1,180,978 | 466,895 |
| 1898 | 598,332 | 583,949 | 1,182,281 | 102.46 | | 1,182,194 | 480,390 |
| 1899 | 599,765 | 588,776 | 1,188,541 | 101.87 | | 1,185,411 | 489,600 |
| 1900 | 601,773 | 594,440 | 1,196,213 | 101.23 | | 1,192,377 | 494,905 |
| 1901 | 608,436 | 601,464 | 1,209,900 | 101.16 | 1,197,438 | 1,203,137 | 501,580 |
| 1902 | 604,318 | 603,913 | 1,208,231 | 100.07 | 1,207,236 | 1,207,527 | 502,840 |
| 1903 | 599,950 | 604,792 | 1,204,742 | 99.20 | 1,206,498 | 1,205,296 | 505,760 |
| 1904 | 597,617 | 607,991 | 1,205,608 | 98.29 | 1,203,347 | 1,202,814 | 511,520 |
| 1905 | 598,134 | 612,287 | 1,210,421 | 97.69 | 1,203,846 | 1,206,046 | 519,925 |
| 1906 | 600,856 | 618,976 | 1,219,832 | 97.07 | 1,209,319 | 1,213,672 | 530,660 |
| 1907 | 605,775 | 627,032 | 1,232,807 | 96.61 | 1,219,304 | 1,225,503 | 543,115 |
| 1908 | 614,937 | 635,512 | 1,250,449 | 96.76 | 1,232,489 | 1,240,488 | 557,350 |
| 1909 | 631,021 | 646,001 | 1,277,022 | 97.68 | 1,249,987 | 1,261,169 | 573,255 |
| 1910 | 646,482 | 654,926 | 1,301,408 | 98.71 | 1,271,500 | 1,282,477 | 588,000 |
| 1911 | 668,818 | 671,075 | 1,339,893 | 99.66 | 1,301,138 | 1,320,652 | 612,190 |
| 1912 | 690,056 | 692,497 | 1,382,553 | 99.65 | 1,337,796 | 1,357,824 | 636,200 |
| 1913 | 707,444 | 707,972 | 1,415,416 | 99.93 | 1,378,226 | 1,395,881 | 660,160 |
| 1914 | 713,307 | 721,881 | 1,435,188 | 98.81 | 1,412,176 | 1,427,512 | 680,470 |
| 1915 | 694,210 | 730,235 | 1,424,445 | 95.07 | 1,433,971 | 1,431,632 | 688,890 |
| 1916 | 666,245 | 738,418 | 1,404,663 | 90.23 | 1,424,896 | 1,414,480 | 702,120 |
| 1917 | 671,075 | 745,985 | 1,417,060 | 89.96 | 1,408,480 | 1,411,381 | 716,150 |
| 1918 | 684,243 | 753,002 | 1,437,245 | 90.87 | 1,416,900 | 1,424,054 | 730,830 |
| 1919 | 739,956 | 763,079 | 1,503,035 | 96.97 | 1,442,619 | 1,473,013 | 750,940 |

POPULATION, VICTORIA - *continued*

| Year | Population at 31 December (a) (b) | | | | Mean population (a) (b) | | Population of Melbourne (b) (d) |
|----------|-----------------------------------|-----------|---------------|-----------------|-------------------------|------------------------|---------------------------------|
| | Males | Females | Total Persons | Masculinity (c) | Year ended 30 June | Year ended 31 December | |
| 1920 | 753,803 | 774,106 | 1,527,909 | 97.38 | 1,497,806 | 1,512,093 | 776,840 |
| 1921 | 765,306 | 785,421 | 1,550,727 | 97.44 | 1,524,498 | 1,537,042 | 800,520 |
| 1922 | 789,517 | 800,756 | 1,590,273 | 98.60 | 1,552,601 | 1,570,883 | 831,060 |
| 1923 | 807,884 | 817,571 | 1,625,455 | 98.82 | 1,589,673 | 1,607,850 | 861,760 |
| 1924 | 825,919 | 831,232 | 1,657,151 | 99.36 | 1,625,703 | 1,641,944 | 889,720 |
| 1925 | 840,817 | 843,234 | 1,684,051 | 99.71 | 1,657,111 | 1,671,537 | 917,080 |
| 1926 | 855,035 | 856,952 | 1,711,987 | 99.78 | 1,683,724 | 1,696,758 | 945,500 |
| 1927 | 870,718 | 871,114 | 1,741,832 | 99.95 | 1,711,855 | 1,727,734 | 971,000 |
| 1928 | 879,478 | 882,268 | 1,761,746 | 99.68 | 1,741,432 | 1,751,974 | 990,650 |
| 1929 | 886,472 | 891,797 | 1,778,269 | 99.40 | 1,761,212 | 1,770,133 | 1,006,000 |
| 1930 | 892,422 | 900,183 | 1,792,605 | 99.14 | 1,778,761 | 1,786,217 | 999,650 |
| 1931 | 896,429 | 907,141 | 1,803,570 | 98.82 | 1,792,802 | 1,799,241 | 995,600 |
| 1932 | 900,663 | 912,724 | 1,813,387 | 98.68 | 1,804,014 | 1,808,618 | 993,800 |
| 1933 | 904,868 | 919,349 | 1,824,217 | 98.42 | 1,814,797 | 1,820,497 | 995,800 |
| 1934 | 909,806 | 926,854 | 1,836,660 | 98.16 | 1,824,660 | 1,830,326 | 1,000,000 |
| 1935 | 910,740 | 930,855 | 1,841,595 | 97.84 | 1,835,578 | 1,838,206 | 1,008,300 |
| 1936 | 913,959 | 935,648 | 1,849,607 | 97.68 | 1,841,636 | 1,845,941 | 1,016,500 |
| 1937 | 916,974 | 940,017 | 1,856,991 | 97.55 | 1,850,071 | 1,853,765 | 1,024,300 |
| 1938 | 924,034 | 947,065 | 1,871,099 | 97.57 | 1,858,585 | 1,865,251 | 1,035,600 |
| 1939 | 929,470 | 953,663 | 1,883,133 | 97.46 | 1,872,287 | 1,878,918 | 1,050,700 |
| 1940 | 947,037 | 967,881 | 1,914,918 | 97.85 | 1,886,751 | 1,900,426 | 1,083,000 |
| 1941 | 964,619 | 981,806 | 1,946,425 | 98.25 | 1,916,727 | 1,932,412 | 1,114,900 |
| 1942 | 970,729 | 991,829 | 1,962,558 | 97.87 | 1,948,710 | 1,959,496 | 1,143,900 |
| 1943 | 979,549 | 1,002,067 | 1,981,616 | 97.75 | 1,965,473 | 1,973,533 | 1,156,600 |
| 1944 | 986,889 | 1,011,065 | 1,997,954 | 97.61 | 1,981,997 | 1,989,870 | 1,168,900 |
| 1945 | 994,784 | 1,020,323 | 2,015,107 | 97.50 | 1,998,202 | 2,006,649 | 1,180,200 |
| 1946 | 1,006,395 | 1,033,374 | 2,039,769 | 97.39 | 2,015,197 | 2,025,475 | 1,189,800 |
| 1947 | 1,016,724 | 1,045,985 | 2,062,709 | 97.20 | 2,039,348 | 2,053,916 | 1,228,300 |
| 1948 | 1,039,037 | 1,069,088 | 2,108,125 | 97.19 | 2,070,116 | 2,091,581 | 1,247,800 |
| 1949 | 1,071,759 | 1,097,125 | 2,168,884 | 97.69 | 2,115,830 | 2,142,529 | 1,272,300 |
| 1950 | 1,114,497 | 1,122,685 | 2,237,182 | 99.27 | 2,174,844 | 2,209,013 | 1,302,200 |
| 1951 | 1,150,009 | 1,149,529 | 2,299,538 | 100.04 | 2,242,882 | 2,276,272 | 1,330,800 |
| 1952 | 1,189,262 | 1,177,457 | 2,366,719 | 101.00 | 2,309,708 | 2,343,610 | 1,359,100 |
| 1953 | 1,212,060 | 1,203,975 | 2,416,035 | 100.67 | 2,372,366 | 2,395,851 | <u>1,388,800</u> |
| 1954 | 1,244,739 | 1,233,247 | 2,477,986 | 100.93 | 2,422,839 | 2,452,741 | 1,524,111 |
| 1955 | 1,281,891 | 1,264,441 | 2,546,332 | 101.38 | 2,485,222 | 2,520,481 | 1,575,300 |
| 1956 | 1,319,445 | 1,298,667 | 2,618,112 | 101.60 | 2,556,148 | 2,592,670 | 1,629,400 |
| 1957 | 1,348,351 | 1,332,204 | 2,680,555 | 101.21 | 2,625,609 | 2,656,363 | 1,677,100 |
| 1958 | 1,379,857 | 1,365,308 | 2,745,165 | 101.07 | 2,687,115 | 2,717,371 | 1,726,100 |
| 1959 | 1,413,523 | 1,397,906 | 2,811,429 | 101.12 | 2,749,994 | 2,783,951 | 1,777,700 |
| 1960 | 1,453,815 | 1,434,475 | 2,888,290 | 101.35 | 2,819,650 | 2,857,032 | 1,831,100 |
| 1961 | 1,485,348 | 1,469,951 | 2,955,299 | 101.05 | 2,893,417 | 2,926,075 | 1,984,936 |
| 1962 | 1,511,418 | 1,499,625 | 3,011,043 | 100.79 | 2,956,769 | 2,983,715 | 2,029,240 |
| 1963 | 1,540,749 | 1,530,297 | 3,071,046 | 100.68 | 3,011,833 | 3,041,442 | 2,077,560 |
| 1964 | 1,573,966 | 1,563,955 | 3,137,921 | 100.64 | 3,073,384 | 3,105,685 | 2,130,980 |
| 1965 | 1,602,058 | 1,593,802 | 3,195,860 | 100.52 | 3,136,319 | 3,165,594 | 2,180,800 |
| 1966 | 1,627,787 | 1,622,056 | 3,249,843 | 100.35 | 3,194,035 | 3,221,403 | 2,230,793 |
| 1967 | 1,653,363 | 1,650,243 | 3,303,606 | 100.19 | 3,249,885 | 3,277,183 | 2,283,000 |
| 1968 | 1,679,213 | 1,677,614 | 3,356,827 | 100.10 | 3,302,366 | 3,328,451 | 2,331,000 |
| 1969 | 1,710,586 | 1,710,592 | 3,421,178 | 100.00 | 3,356,773 | 3,388,417 | 2,389,700 |
| 1970 | 1,739,916 | 1,742,115 | 3,482,031 | 99.87 | 3,420,609 | 3,450,523 | 2,447,600 |
| 1971 (e) | 1,815,332 | 1,818,511 | 3,633,843 | 99.83 | 3,481,370 | 3,519,881 | 2,575,000 |
| 1972 | 1,841,114 | 1,845,022 | 3,686,136 | 99.79 | 3,632,733 | 3,661,084 | 2,616,400 |

POPULATION, VICTORIA - *continued*

| Year | Population at 31 December (a) (b) | | | | Mean population (a) (b) | | Population of Melbourne (b) (d) |
|------|-----------------------------------|-----------|---------------|-----------------|-------------------------|------------------------|---------------------------------|
| | Males | Females | Total Persons | Masculinity (c) | Year ended 30 June | Year ended 31 December | |
| 1973 | 1,863,086 | 1,867,738 | 3,730,824 | 99.75 | 3,685,499 | 3,707,460 | 2,652,700 |
| 1974 | 1,887,222 | 1,892,365 | 3,779,587 | 99.73 | 3,730,502 | 3,754,761 | 2,685,800 |
| 1975 | 1,896,188 | 1,904,468 | 3,800,656 | 99.57 | 3,774,902 | 3,788,394 | 2,711,200 |
| 1976 | 1,905,656 | 1,918,285 | 3,823,941 | 99.34 | 3,799,937 | 3,811,360 | 2,723,700 |
| 1977 | 1,918,212 | 1,934,377 | 3,852,589 | 99.16 | 3,823,831 | 3,837,834 | 2,740,800 |
| 1978 | 1,927,106 | 1,947,395 | 3,874,501 | 98.96 | 3,852,206 | 3,864,925 | 2,757,200 |
| 1979 | 1,937,866 | 1,962,127 | 3,899,993 | 98.76 | 3,875,422 | 3,886,929 | 2,771,000 |
| 1980 | 1,951,449 | 1,979,206 | 3,930,655 | 98.60 | 3,899,760 | 3,914,238 | 2,787,400 |
| 1981 | 1,969,349 | 1,999,049 | 3,968,398 | 98.51 | 3,931,159 | 3,949,166 | 2,806,300 |
| 1982 | 1,991,532 | 2,021,155 | 4,012,687 | 98.53 | 3,969,101 | 3,991,755 | 2,833,800 |
| 1983 | 2,012,443 | 2,042,055 | 4,054,498 | 98.55 | 4,013,824 | 4,035,029 | 2,861,700 |
| 1984 | 2,033,611 | 2,064,029 | 4,097,640 | 98.53 | 4,055,564 | 4,076,346 | 2,884,600 |
| 1985 | 2,055,418 | 2,085,003 | 4,140,421 | 98.58 | 4,098,084 | 4,119,696 | 2,909,100 |
| 1986 | 2,076,765 | 2,106,654 | 4,183,419 | 98.58 | 4,140,430 | 4,161,531 | 2,931,900 |
| 1987 | 2,102,870 | 2,130,687 | 4,233,557 | 98.69 | 4,184,229 | 4,208,733 | 2,965,600 |
| 1988 | 2,117,323 | 2,144,622 | 4,261,945 | 98.72 | 4,235,610 | 4,262,605 | 3,002,329 |
| 1989 | 2,160,287 | 2,189,424 | 4,349,711 | 98.67 | 4,294,637 | 4,322,423 | 3,043,476 |
| 1990 | 2,188,254 | 2,218,314 | 4,406,568 | 98.64 | 4,406,092 | 4,379,636 | 4,379,822 |

(a) All estimates have been corrected for discrepancies disclosed by the various censuses up to the census of 30 June 1981. Figures from 1939 to 1946 include all living Australian defence service personnel irrespective of whether they were within Australia or overseas, but exclude members of Allied Services and prisoners of war and internees from overseas. The population estimates from 1947 onwards include defence personnel in Australia and exclude members of the forces overseas.

(b) Figures for 1961 and subsequent years include full-blood Aborigines.

(c) Number of males per 100 females.

(d) Figures shown for the population of Melbourne from 1841 to 1861 inclusive are as at the following census dates: 2 March for 1841, 1846, and 1851, 26 April 1854, 29 March 1857, and 7 April 1861.

From 1863 to 1953, the figures shown are estimates at 31 December, those for 1954 and subsequent years are estimates or census counts at 30 June. The figures shown for the years 1863 to 1921 relate to the population within a 16 kilometre radius of the Melbourne G.P.O. From 1921 to 1960 the figures relate to the population of the City of Melbourne and adjoining municipal areas within boundaries defined for census purposes at the respective censuses of 1921, 1933, 1947, and 1954. From 1961 onwards, the figures relate to the population within a new fixed outer boundary embracing an area referred to as the Melbourne Statistical Division.

(e) From 1971 onwards, figures are estimated resident population.

MARRIAGES, DIVORCES, BIRTHS, AND DEATHS (a) (b), VICTORIA

| Year | Marriages | | Divorces (c) | | Births | | Deaths | | Infant mortality | |
|------|-----------|------------|-----------------|------------|--------|------------|--------|------------|------------------|----------------|
| | Number | Crude rate | Decrees granted | Crude rate | Number | Crude rate | Number | Crude rate | Number | Crude rate (d) |
| 1836 | - | - | - | - | 1 | - | 3 | - | - | - |
| 1837 | 1 | 1.34 | - | - | 7 | 9.41 | 1 | 1.34 | - | - |
| 1838 | 15 | 6.28 | - | - | 28 | 11.73 | 20 | 8.38 | - | - |
| 1839 | 57 | 12.21 | - | - | 142 | 30.43 | 67 | 14.36 | - | - |
| 1840 | 177 | 21.97 | - | - | 358 | 44.43 | 198 | 24.57 | - | - |
| 1841 | 406 | 26.44 | - | - | 618 | 40.25 | 319 | 20.78 | - | - |
| 1842 | 514 | 23.25 | - | - | 1,025 | 46.36 | 413 | 18.68 | - | - |
| 1843 | 364 | 15.20 | - | - | 1,317 | 54.99 | 313 | 13.07 | - | - |
| 1844 | 328 | 12.90 | - | - | 1,336 | 52.56 | 240 | 9.44 | - | - |
| 1845 | 316 | 10.89 | - | - | 1,521 | 52.44 | 327 | 11.27 | - | - |
| 1846 | 301 | 8.65 | - | - | 1,596 | 45.85 | 328 | 9.42 | - | - |
| 1847 | 337 | 8.29 | - | - | 1,661 | 40.88 | 361 | 8.88 | - | - |
| 1848 | 351 | 7.44 | - | - | 1,789 | 37.93 | 405 | 8.59 | - | - |
| 1849 | 593 | 10.08 | - | - | 1,913 | 32.53 | 593 | 10.08 | - | - |
| 1850 | 969 | 13.61 | - | - | 2,673 | 37.55 | 780 | 10.96 | - | - |

MARRIAGES, DIVORCES, BIRTHS, AND DEATHS (a) (b), VICTORIA - continued

| Year | Marriages | | Divorces (c) | | Births | | Deaths | | Infant mortality | |
|------|-----------|------------|-----------------|------------|--------|------------|--------|------------|------------------|----------------|
| | Number | Crude rate | Decrees granted | Crude rate | Number | Crude rate | Number | Crude rate | Number | Crude rate (d) |
| 1851 | 1,023 | 11.78 | - | - | 3,049 | 35.12 | 1,165 | 13.42 | | |
| 1852 | 1,958 | 14.73 | - | - | 3,756 | 28.26 | 2,105 | 15.84 | | |
| 1853 | 2,703 | 13.83 | - | - | 3,025 | 15.48 | 3,213 | 16.44 | | |
| 1854 | 3,765 | 14.87 | - | - | 7,542 | 29.79 | 6,261 | 24.73 | | |
| 1855 | 3,847 | 12.19 | - | - | 11,941 | 37.83 | 6,603 | 20.92 | | |
| 1856 | 4,116 | 11.16 | - | - | 14,420 | 39.10 | 5,728 | 15.53 | | |
| 1857 | 4,524 | 10.68 | - | - | 17,384 | 41.05 | 7,449 | 17.59 | | |
| 1858 | 4,552 | 9.56 | - | - | 19,929 | 41.84 | 9,015 | 18.93 | | |
| 1859 | 4,769 | 9.38 | - | - | 22,092 | 43.44 | 9,469 | 18.62 | | |
| 1860 | 4,351 | 8.21 | - | - | 22,863 | 43.17 | 12,061 | 22.77 | | |
| 1861 | 4,434 | 8.23 | 1 | - | 23,461 | 43.53 | 10,522 | 19.52 | | |
| 1862 | 4,525 | 8.29 | 11 | 0.02 | 24,391 | 44.71 | 10,080 | 18.48 | | |
| 1863 | 4,227 | 7.55 | 7 | 0.01 | 23,906 | 42.72 | 9,502 | 16.98 | 2,844 | 118.97 |
| 1864 | 4,554 | 7.81 | 13 | 0.02 | 25,680 | 44.05 | 8,887 | 15.24 | 2,778 | 108.18 |
| 1865 | 4,497 | 7.40 | 11 | 0.02 | 25,915 | 42.63 | 10,461 | 17.21 | 3,538 | 136.52 |
| 1866 | 4,253 | 6.80 | 6 | 0.01 | 25,010 | 39.97 | 12,286 | 19.64 | 3,838 | 153.46 |
| 1867 | 4,490 | 7.01 | 8 | 0.01 | 25,608 | 39.95 | 11,733 | 18.31 | 3,534 | 138.00 |
| 1868 | 4,692 | 7.11 | 7 | 0.01 | 27,243 | 41.29 | 10,067 | 15.26 | 3,054 | 112.10 |
| 1869 | 4,735 | 6.92 | 15 | 0.02 | 26,040 | 38.07 | 10,630 | 15.54 | 3,284 | 126.11 |
| 1870 | 4,732 | 6.66 | 9 | 0.01 | 27,151 | 38.22 | 10,420 | 14.67 | 3,203 | 117.97 |
| 1871 | 4,693 | 6.38 | 7 | 0.01 | 27,382 | 37.24 | 9,918 | 13.49 | 3,114 | 113.72 |
| 1872 | 4,791 | 6.36 | 2 | - | 27,361 | 36.34 | 10,831 | 14.38 | 3,334 | 121.85 |
| 1873 | 4,974 | 6.49 | 10 | 0.01 | 28,100 | 36.65 | 11,501 | 15.00 | 3,181 | 113.20 |
| 1874 | 4,925 | 6.31 | 6 | 0.01 | 26,800 | 34.36 | 12,222 | 15.67 | 3,341 | 124.66 |
| 1875 | 4,985 | 6.31 | 14 | 0.02 | 26,720 | 33.80 | 15,287 | 19.34 | 3,811 | 142.63 |
| 1876 | 4,949 | 6.18 | 8 | 0.01 | 26,769 | 33.45 | 13,561 | 16.95 | 2,980 | 111.32 |
| 1877 | 5,103 | 6.28 | 11 | 0.01 | 26,010 | 32.02 | 12,776 | 15.73 | 3,299 | 126.84 |
| 1878 | 5,092 | 6.18 | 9 | 0.01 | 26,581 | 32.24 | 12,702 | 15.41 | 3,262 | 122.72 |
| 1879 | 4,986 | 5.97 | 4 | - | 26,839 | 32.11 | 12,120 | 14.50 | 3,219 | 119.94 |
| 1880 | 5,286 | 6.22 | 11 | 0.01 | 26,148 | 30.76 | 11,652 | 13.71 | 3,105 | 118.75 |
| 1881 | 5,896 | 6.81 | 9 | 0.01 | 27,145 | 31.33 | 12,302 | 14.20 | 3,119 | 114.90 |
| 1882 | 6,309 | 7.14 | 12 | 0.01 | 26,747 | 30.28 | 13,634 | 15.43 | 3,722 | 139.16 |
| 1883 | 6,771 | 7.50 | 27 | 0.03 | 27,541 | 30.51 | 13,006 | 14.41 | 3,150 | 114.37 |
| 1884 | 7,218 | 7.81 | 12 | 0.01 | 28,850 | 31.22 | 13,505 | 14.61 | 3,281 | 113.73 |
| 1885 | 7,395 | 7.80 | 22 | 0.02 | 29,975 | 31.63 | 14,364 | 15.15 | 3,771 | 125.80 |
| 1886 | 7,737 | 7.92 | 16 | 0.02 | 30,824 | 31.56 | 14,952 | 15.31 | 3,924 | 127.30 |
| 1887 | 7,768 | 7.69 | 23 | 0.02 | 33,043 | 32.73 | 16,005 | 15.85 | 4,296 | 130.01 |
| 1888 | 8,946 | 8.50 | 29 | 0.03 | 34,503 | 32.79 | 16,287 | 15.48 | 4,401 | 127.55 |
| 1889 | 9,194 | 8.42 | 25 | 0.02 | 36,359 | 33.30 | 19,392 | 17.76 | 5,549 | 152.62 |
| 1890 | 9,187 | 8.21 | 40 | 0.04 | 37,578 | 33.57 | 18,012 | 16.09 | 4,412 | 117.41 |
| 1891 | 8,780 | 7.66 | 99 | 0.09 | 38,505 | 33.60 | 18,631 | 16.26 | 4,861 | 126.24 |
| 1892 | 7,723 | 6.64 | 92 | 0.08 | 37,831 | 32.51 | 15,851 | 13.62 | 4,041 | 106.82 |
| 1893 | 7,004 | 5.97 | 92 | 0.08 | 36,552 | 31.18 | 16,508 | 14.08 | 4,302 | 117.70 |
| 1894 | 7,029 | 5.96 | 83 | 0.07 | 34,258 | 29.05 | 15,430 | 13.09 | 3,567 | 104.12 |
| 1895 | 7,181 | 6.07 | 85 | 0.07 | 33,706 | 28.47 | 15,636 | 13.21 | 3,450 | 102.36 |
| 1896 | 7,625 | 6.45 | 108 | 0.09 | 32,178 | 27.21 | 15,714 | 13.29 | 3,540 | 110.01 |
| 1897 | 7,568 | 6.41 | 117 | 0.10 | 31,310 | 26.51 | 15,126 | 12.81 | 3,235 | 103.32 |
| 1898 | 7,620 | 6.45 | 87 | 0.07 | 30,172 | 25.52 | 18,695 | 15.81 | 4,047 | 134.13 |
| 1899 | 8,140 | 6.87 | 107 | 0.09 | 31,008 | 26.16 | 16,578 | 13.99 | 3,541 | 114.20 |
| 1900 | 8,308 | 6.97 | 93 | 0.08 | 30,779 | 25.81 | 15,215 | 12.76 | 2,936 | 95.39 |
| 1901 | 8,406 | 6.99 | 83 | 0.07 | 31,008 | 25.77 | 15,904 | 13.22 | 3,192 | 102.94 |
| 1902 | 8,477 | 7.02 | 109 | 0.09 | 30,461 | 25.23 | 16,177 | 13.40 | 3,308 | 108.60 |
| 1903 | 7,605 | 6.31 | 101 | 0.08 | 29,569 | 24.53 | 15,595 | 12.94 | 3,146 | 106.40 |
| 1904 | 8,210 | 6.83 | 141 | 0.12 | 29,763 | 24.74 | 14,393 | 11.97 | 2,319 | 77.92 |

MARRIAGES, DIVORCES, BIRTHS, AND DEATHS (a) (b), VICTORIA - continued

| Year | Marriages | | Divorces (c) | | Births | | Deaths | | Infant mortality | |
|------|-----------|------------|-----------------|------------|--------|------------|--------|------------|------------------|----------------|
| | Number | Crude rate | Decrees granted | Crude rate | Number | Crude rate | Number | Crude rate | Number | Crude rate (d) |
| 1905 | 8,774 | 7.28 | 137 | 0.11 | 30,107 | 24.96 | 14,676 | 12.17 | 2,508 | 83.30 |
| 1906 | 8,930 | 7.36 | 125 | 0.10 | 30,844 | 25.41 | 15,237 | 12.55 | 2,866 | 92.92 |
| 1907 | 9,575 | 7.81 | 134 | 0.11 | 31,365 | 25.59 | 14,539 | 11.86 | 2,277 | 72.60 |
| 1908 | 9,335 | 7.53 | 152 | 0.12 | 31,097 | 25.07 | 15,766 | 12.71 | 2,676 | 86.05 |
| 1909 | 9,431 | 7.48 | 139 | 0.11 | 31,544 | 25.01 | 14,436 | 11.45 | 2,251 | 71.36 |
| 1910 | 10,239 | 7.98 | 141 | 0.11 | 31,437 | 24.51 | 14,732 | 11.49 | 2,417 | 76.88 |
| 1911 | 11,088 | 8.40 | 214 | 0.16 | 33,026 | 25.01 | 15,216 | 11.52 | 2,269 | 68.70 |
| 1912 | 11,738 | 8.64 | 252 | 0.19 | 35,796 | 26.36 | 16,589 | 12.22 | 2,666 | 74.48 |
| 1913 | 11,324 | 8.11 | 239 | 0.17 | 25,970 | 25.77 | 15,474 | 11.09 | 2,537 | 70.53 |
| 1914 | 11,829 | 8.29 | 243 | 0.17 | 36,222 | 25.37 | 16,503 | 11.56 | 2,835 | 78.27 |
| 1915 | 12,832 | 8.96 | 219 | 0.15 | 35,009 | 24.45 | 15,823 | 11.05 | 2,408 | 68.78 |
| 1916 | 11,342 | 8.02 | 207 | 0.15 | 34,235 | 24.20 | 16,489 | 11.66 | 2,555 | 74.63 |
| 1917 | 9,505 | 6.73 | 202 | 0.14 | 33,033 | 23.40 | 14,555 | 10.31 | 1,877 | 56.82 |
| 1918 | 9,156 | 6.43 | 236 | 0.17 | 31,597 | 22.19 | 15,177 | 10.66 | 1,951 | 61.75 |
| 1919 | 11,706 | 7.95 | 348 | 0.24 | 31,619 | 21.47 | 19,370 | 13.15 | 2,147 | 67.90 |
| 1920 | 14,898 | 9.85 | 375 | 0.25 | 36,213 | 23.95 | 16,832 | 11.13 | 2,669 | 73.70 |
| 1921 | 13,676 | 8.90 | 389 | 0.25 | 35,591 | 23.16 | 16,165 | 10.52 | 2,582 | 72.55 |
| 1922 | 12,996 | 8.27 | 378 | 0.24 | 36,288 | 23.10 | 15,155 | 9.65 | 1,936 | 53.35 |
| 1923 | 13,126 | 8.16 | 431 | 0.27 | 35,877 | 22.31 | 17,219 | 10.71 | 2,356 | 65.67 |
| 1924 | 13,296 | 8.10 | 408 | 0.25 | 36,140 | 22.01 | 16,503 | 10.05 | 2,216 | 61.32 |
| 1925 | 13,370 | 8.00 | 458 | 0.27 | 35,922 | 21.49 | 15,837 | 9.47 | 2,047 | 56.98 |
| 1926 | 13,405 | 7.90 | 470 | 0.28 | 35,362 | 20.84 | 16,335 | 9.63 | 1,969 | 55.68 |
| 1927 | 13,608 | 7.88 | 517 | 0.30 | 35,074 | 20.30 | 16,773 | 9.71 | 1,966 | 56.05 |
| 1928 | 13,186 | 7.53 | 484 | 0.28 | 34,498 | 19.69 | 17,708 | 10.11 | 1,919 | 55.63 |
| 1929 | 12,935 | 7.31 | 548 | 0.31 | 33,604 | 18.98 | 16,717 | 9.44 | 1,587 | 47.23 |
| 1930 | 11,641 | 6.52 | 388 | 0.22 | 33,127 | 18.55 | 15,959 | 8.93 | 1,544 | 46.61 |
| 1931 | 10,182 | 5.66 | 425 | 0.24 | 30,332 | 16.86 | 17,033 | 9.47 | 1,349 | 44.47 |
| 1932 | 11,744 | 6.49 | 459 | 0.25 | 27,464 | 15.19 | 16,805 | 9.29 | 1,181 | 43.00 |
| 1933 | 12,668 | 6.96 | 499 | 0.27 | 28,392 | 15.60 | 17,456 | 9.59 | 1,148 | 40.43 |
| 1934 | 13,862 | 7.57 | 621 | 0.34 | 27,828 | 15.20 | 18,648 | 10.19 | 1,242 | 44.63 |
| 1935 | 15,409 | 8.38 | 608 | 0.33 | 27,884 | 15.17 | 18,456 | 10.04 | 1,148 | 41.17 |
| 1936 | 15,915 | 8.62 | 690 | 0.37 | 28,883 | 15.65 | 18,778 | 10.17 | 1,222 | 42.31 |
| 1937 | 16,226 | 8.75 | 800 | 0.43 | 29,731 | 16.04 | 18,613 | 10.04 | 1,091 | 36.70 |
| 1938 | 17,113 | 9.17 | 830 | 0.44 | 30,344 | 16.27 | 18,955 | 10.16 | 1,038 | 34.21 |
| 1939 | 17,368 | 9.24 | 805 | 0.43 | 30,493 | 16.23 | 20,169 | 10.73 | 1,085 | 35.58 |
| 1940 | 22,299 | 11.73 | 822 | 0.43 | 31,962 | 16.82 | 20,293 | 10.68 | 1,261 | 39.45 |
| 1941 | 20,898 | 10.81 | 842 | 0.44 | 34,406 | 17.80 | 20,522 | 10.62 | 1,246 | 36.21 |
| 1942 | 23,636 | 12.06 | 959 | 0.49 | 35,927 | 18.33 | 21,973 | 11.21 | 1,497 | 41.67 |
| 1943 | 18,356 | 9.30 | 1,383 | 0.70 | 39,117 | 19.82 | 21,327 | 10.81 | 1,399 | 35.76 |
| 1944 | 17,857 | 8.97 | 1,694 | 0.85 | 39,358 | 19.78 | 20,502 | 10.30 | 1,258 | 31.96 |
| 1945 | 16,501 | 8.22 | 1,759 | 0.88 | 41,200 | 20.53 | 20,496 | 10.21 | 1,155 | 28.03 |
| 1946 | 21,405 | 10.57 | 1,651 | 0.82 | 46,693 | 23.05 | 21,534 | 10.63 | 1,268 | 27.16 |
| 1947 | 20,437 | 9.95 | 2,294 | 1.12 | 47,366 | 23.06 | 21,442 | 10.44 | 1,245 | 26.28 |
| 1948 | 20,035 | 9.58 | 1,681 | 0.80 | 46,099 | 22.04 | 21,825 | 10.43 | 1,103 | 23.93 |
| 1949 | 20,066 | 9.37 | 1,780 | 0.83 | 46,873 | 21.88 | 21,991 | 10.26 | 1,026 | 21.89 |
| 1950 | 20,320 | 9.20 | 1,604 | 0.73 | 49,830 | 22.56 | 22,341 | 10.11 | 1,001 | 20.09 |
| 1951 | 21,117 | 9.28 | 1,730 | 0.76 | 50,553 | 22.21 | 23,446 | 10.30 | 1,143 | 22.61 |
| 1952 | 20,220 | 8.63 | 1,616 | 0.69 | 53,738 | 22.93 | 23,322 | 9.95 | 1,198 | 22.29 |
| 1953 | 19,238 | 8.03 | 2,128 | 0.89 | 53,561 | 22.36 | 22,650 | 9.45 | 1,133 | 21.15 |
| 1954 | 19,404 | 7.91 | 1,539 | 0.63 | 54,660 | 22.29 | 22,554 | 9.20 | 1,055 | 19.30 |
| 1955 | 20,056 | 7.96 | 1,691 | 0.67 | 56,336 | 22.35 | 22,527 | 8.94 | 1,035 | 18.37 |
| 1956 | 20,137 | 7.77 | 1,270 | 0.49 | 58,393 | 22.52 | 23,886 | 9.21 | 1,128 | 19.32 |
| 1957 | 20,239 | 7.62 | 1,362 | 0.51 | 60,464 | 22.76 | 24,131 | 9.08 | 1,219 | 20.16 |
| 1958 | 20,649 | 7.60 | 1,717 | 0.63 | 61,269 | 22.55 | 23,625 | 8.69 | 1,178 | 19.23 |

MARRIAGES, DIVORCES, BIRTHS, AND DEATHS (a) (b), VICTORIA - continued

| Year | Marriages | | Divorces (c) | | Births | | Deaths | | Infant mortality | |
|------|-----------|------------|-------------------|------------|--------|------------|--------|------------|------------------|----------------|
| | Number | Crude rate | Decreases granted | Crude rate | Number | Crude rate | Number | Crude rate | Number | Crude rate (d) |
| 1959 | 20,456 | 7.35 | 1,877 | 0.67 | 62,245 | 22.36 | 25,078 | 9.01 | 1,320 | 21.21 |
| 1960 | 20,627 | 7.22 | 1,313 | 0.46 | 64,025 | 22.41 | 24,547 | 8.59 | 1,182 | 18.46 |
| 1961 | 21,264 | 7.27 | 1,257 | 0.43 | 65,886 | 22.52 | 24,500 | 8.37 | 1,173 | 17.80 |
| 1962 | 22,393 | 7.51 | 1,623 | 0.54 | 65,890 | 22.09 | 25,847 | 8.66 | 1,219 | 18.50 |
| 1963 | 22,061 | 7.25 | 1,626 | 0.53 | 65,649 | 21.59 | 26,920 | 8.85 | 1,242 | 18.92 |
| 1964 | 24,169 | 7.78 | 2,151 | 0.69 | 64,990 | 20.93 | 27,548 | 8.87 | 1,098 | 16.89 |
| 1965 | 26,421 | 8.35 | 2,103 | 0.66 | 63,550 | 20.08 | 28,031 | 8.86 | 1,109 | 17.45 |
| 1966 | 27,089 | 8.41 | 2,144 | 0.67 | 64,008 | 19.87 | 28,673 | 8.90 | 1,116 | 17.44 |
| 1967 | 28,004 | 8.55 | 2,054 | 0.63 | 65,485 | 19.98 | 28,373 | 8.66 | 1,101 | 16.81 |
| 1968 | 29,724 | 8.93 | 2,525 | 0.76 | 70,228 | 21.10 | 29,967 | 9.00 | 1,010 | 14.38 |
| 1969 | 30,860 | 9.11 | 2,235 | 0.66 | 71,035 | 20.96 | 28,976 | 8.55 | 1,066 | 15.01 |
| 1970 | 31,729 | 9.20 | 2,604 | 0.75 | 73,019 | 21.16 | 30,335 | 8.79 | 1,060 | 14.52 |
| 1971 | 32,386 | 9.20 | 3,079 | 0.87 | 75,498 | 21.45 | 30,598 | 8.69 | 1,107 | 14.66 |
| 1972 | 31,206 | 8.52 | 3,664 | 1.00 | 71,713 | 19.59 | 29,937 | 8.18 | 1,048 | 14.59 |
| 1973 | 30,203 | 8.15 | 3,313 | 0.89 | 66,910 | 18.05 | 30,738 | 8.29 | 958 | 14.27 |
| 1974 | 29,708 | 7.91 | 4,465 | 1.19 | 66,052 | 17.60 | 30,973 | 8.25 | 989 | 14.94 |
| 1975 | 27,806 | 7.34 | 5,683 | 1.50 | 61,797 | 16.31 | 29,579 | 7.81 | 806 | 13.02 |
| 1976 | 28,760 | 7.55 | 16,633 | 4.36 | 60,531 | 15.88 | 30,884 | 8.10 | 702 | 11.57 |
| 1977 | 27,558 | 7.18 | 10,859 | 2.83 | 59,389 | 15.48 | 29,542 | 7.70 | 653 | 10.97 |
| 1978 | 27,178 | 7.03 | 10,820 | 2.80 | 58,687 | 15.19 | 29,206 | 7.56 | 616 | 10.47 |
| 1979 | 27,019 | 6.95 | 9,471 | 2.44 | 57,628 | 14.83 | 29,118 | 7.49 | 652 | 11.29 |
| 1980 | 27,724 | 7.08 | 9,207 | 2.35 | 58,022 | 14.82 | 29,453 | 7.53 | 592 | 10.17 |
| 1981 | 28,648 | 7.25 | 9,769 | 2.47 | 59,284 | 15.01 | 29,088 | 7.37 | 562 | 9.44 |
| 1982 | 28,851 | 7.23 | 11,266 | 2.82 | 59,876 | 15.00 | 30,694 | 7.68 | 641 | 10.69 |
| 1983 | 28,974 | 7.18 | 10,663 | 2.64 | 59,928 | 14.85 | 29,365 | 7.27 | 561 | 9.33 |
| 1984 | 28,931 | 7.10 | 10,501 | 2.57 | 59,485 | 14.59 | 29,532 | 7.24 | 525 | 8.78 |
| 1985 | 29,810 | 7.24 | 9,688 | 2.35 | 61,555 | 14.94 | 31,353 | 7.60 | 601 | 9.76 |
| 1986 | 29,390 | 7.06 | 9,670 | 2.32 | 60,162 | 14.46 | 30,175 | 7.20 | 517 | 8.60 |
| 1987 | 29,682 | 7.05 | 9,626 | 2.29 | 61,507 | 14.61 | 31,549 | 7.50 | 498 | 8.10 |
| 1988 | 30,687 | 7.20 | 10,250 | 2.40 | 62,134 | 14.58 | 30,726 | 7.20 | 486 | 7.80 |
| 1989 | 30,624 | 7.10 | 10,253 | 2.40 | 64,002 | 14.80 | 32,357 | 7.50 | 431 | 6.70 |
| 1990 | 30,120 | 6.90 | 10,406 | 2.40 | 66,970 | 15.30 | 30,986 | 7.10 | 523 | 7.8 |

- (a) The Registration Act providing for the legal registration of births, deaths, and marriages in Victoria was passed in 1853. Prior to this date Victorian vital statistics were obtained from parish and church records which were regarded as being incomplete for statistical purposes. For this reason, the numbers of vital events and their corresponding rates for this period must be treated with caution. In particular, it is thought that in the year in which the new registration system was introduced (1853) both births and deaths were understated, the correct totals in each case would probably have exceeded five thousand. Figures for 1966 and subsequent years include particulars of full-blood Aborigines. From 1972 onwards figures for births and deaths are compiled on a State of usual residence basis.
- (b) The rates are referred to as crude rates because they do not take into account important factors such as age structure, sex, and marital status of the population.
- (c) The *Commonwealth Family Law Act* 1975 came into operation on 5 January 1976 repealing the previous *Matrimonial Causes Act* 1959.
- (d) Number of deaths under one year per 1,000 registered live births.

POPULATION INCREASE, VICTORIA

| Year (a) | Natural increase (b) (c) (d) | Apparent net migration (d) | Total increase (c) | Rate of natural increase (d) | Rate of apparent migration (d) | Rate of population growth |
|----------|------------------------------|----------------------------|--------------------|------------------------------|--------------------------------|---------------------------|
| 1836 | -2 | 226 | 224 | - | - | per cent |
| 1837 | 6 | 1,034 | 1,040 | 8.06 | 1,389.78 | 464.29 |
| 1838 | 8 | 2,239 | 2,247 | 3.35 | 937.60 | 177.77 |
| 1839 | 75 | 2,236 | 2,311 | 16.07 | 479.11 | 65.82 |

POPULATION INCREASE, VICTORIA - *continued*

| Year (a) | Natural increase (b) (c) (d) | Apparent net migration (d) | Total increase (c) | Rate of natural increase (d) | Rate of apparent migration(d) | Rate of population growth per cent |
|----------|------------------------------------|----------------------------------|-----------------------|------------------------------------|-------------------------------------|---|
| 1840 | 160 | 4,309 | 4,469 | 19.86 | 534.81 | 76.76 |
| 1841 | 299 | 9,826 | 10,125 | 19.47 | 639.96 | 98.39 |
| 1842 | 612 | 2,771 | 3,383 | 27.68 | 125.34 | 16.57 |
| 1843 | 1,004 | -700 | 304 | 41.92 | -29.23 | 1.28 |
| 1844 | 1,096 | 1,535 | 2,631 | 43.12 | 60.39 | 10.92 |
| 1845 | 1,194 | 3,352 | 4,546 | 41.16 | 115.56 | 17.00 |
| 1846 | 1,268 | 5,786 | 7,054 | 36.43 | 166.23 | 22.55 |
| 1847 | 1,300 | 3,302 | 4,602 | 31.99 | 81.26 | 12.01 |
| 1848 | 1,384 | 7,070 | 8,454 | 29.35 | 149.91 | 19.69 |
| 1849 | 1,320 | 13,510 | 14,830 | 22.45 | 229.74 | 28.86 |
| 1850 | 1,893 | 8,049 | 9,942 | 26.59 | 113.06 | 15.01 |
| 1851 | 1,884 | 19,443 | 21,327 | 21.70 | 223.93 | 28.00 |
| 1852 | 1,651 | 69,181 | 70,832 | 12.42 | 520.53 | 72.66 |
| 1853 | (e) | 54,303 | 54,115 | (e) | 277.94 | 32.15 |
| 1854 | 1,281 | 60,225 | 61,506 | 5.06 | 237.87 | 27.65 |
| 1855 | 5,338 | 58,025 | 63,363 | 16.91 | 183.84 | 22.32 |
| 1856 | 8,692 | 34,387 | 43,079 | 23.57 | 93.23 | 12.40 |
| 1857 | 9,935 | 56,203 | 66,138 | 23.46 | 132.73 | 16.94 |
| 1858 | 10,914 | 28,710 | 39,624 | 22.91 | 60.27 | 8.68 |
| 1859 | 12,623 | 12,303 | 24,926 | 24.82 | 24.19 | 5.02 |
| 1860 | 10,802 | 6,360 | 17,162 | 20.39 | 12.01 | 3.29 |
| 1861 | 12,939 | -11,409 | 1,530 | 24.01 | -21.17 | 0.28 |
| 1862 | 14,311 | -2,687 | 11,624 | 26.23 | -4.93 | 2.15 |
| 1863 | 14,404 | 2,114 | 16,518 | 25.74 | 3.78 | 3.00 |
| 1864 | 16,793 | 13,304 | 30,097 | 28.81 | 22.82 | 5.30 |
| 1865 | 15,454 | 4,334 | 19,788 | 25.42 | 7.13 | 3.31 |
| 1866 | 12,724 | 3,087 | 15,811 | 20.34 | 4.93 | 2.56 |
| 1867 | 13,875 | 825 | 14,700 | 21.65 | 1.29 | 2.32 |
| 1868 | 17,176 | 5,846 | 23,022 | 26.03 | 8.86 | 3.55 |
| 1869 | 15,410 | 10,028 | 25,438 | 22.53 | 14.66 | 3.79 |
| 1870 | 16,731 | 10,432 | 27,163 | 23.55 | 14.69 | 3.90 |
| 1871 | 17,464 | 5,061 | 22,525 | 23.75 | 6.88 | 3.11 |
| 1872 | 16,530 | -3,552 | 12,978 | 21.95 | -4.72 | 1.74 |
| 1873 | 16,599 | -2,219 | 14,380 | 21.65 | -2.89 | 1.89 |
| 1874 | 14,578 | -2,278 | 12,300 | 18.69 | -2.92 | 1.59 |
| 1875 | 11,433 | -2,607 | 8,826 | 14.46 | -3.30 | 1.12 |
| 1876 | 13,208 | -2,718 | 10,490 | 16.51 | -3.40 | 1.32 |
| 1877 | 13,234 | 277 | 13,511 | 16.29 | 0.34 | 1.68 |
| 1878 | 13,879 | -2,896 | 10,983 | 16.83 | -3.51 | 1.34 |
| 1879 | 14,719 | -2,880 | 11,839 | 17.61 | -3.45 | 1.43 |
| 1880 | 14,496 | 2,352 | 16,848 | 17.05 | 2.77 | 2.00 |
| 1881 | 14,843 | 517 | 15,360 | 17.13 | 0.60 | 1.79 |
| 1882 | 13,113 | 5,687 | 18,800 | 14.84 | 6.44 | 2.15 |
| 1883 | 14,535 | 5,153 | 19,688 | 16.10 | 5.71 | 2.21 |
| 1884 | 15,345 | 7,979 | 23,324 | 16.61 | 8.63 | 2.56 |
| 1885 | 15,611 | 8,450 | 24,061 | 16.47 | 8.92 | 2.57 |
| 1886 | 15,872 | 18,007 | 33,879 | 16.25 | 18.44 | 3.53 |
| 1887 | 17,038 | 14,721 | 31,759 | 16.88 | 14.58 | 3.20 |
| 1888 | 18,216 | 35,385 | 53,601 | 17.31 | 33.63 | 5.23 |
| 1889 | 16,967 | 8,894 | 25,861 | 15.54 | 8.14 | 2.40 |
| 1890 | 19,566 | 9,224 | 28,790 | 17.48 | 8.24 | 2.61 |
| 1891 | 19,874 | 4,770 | 24,644 | 17.34 | 4.16 | 2.17 |
| 1892 | 21,980 | -11,605 | 10,375 | 18.89 | -9.97 | 0.90 |
| 1893 | 20,044 | -12,621 | 7,423 | 17.10 | -10.76 | 0.64 |

POPULATION INCREASE, VICTORIA - *continued*

| Year (a) | Natural increase (b) (c) (d) | Apparent net migration (d) | Total increase (c) | Rate of natural increase (d) | Rate of apparent migration(d) | Rate of population growth per cent |
|----------|------------------------------------|----------------------------------|-----------------------|------------------------------------|-------------------------------------|---|
| 1894 | 18,828 | -12,843 | 5,985 | 15.97 | -10.89 | 0.51 |
| 1895 | 18,070 | -14,549 | 3,521 | 15.26 | -12.29 | 0.30 |
| 1896 | 16,464 | -22,290 | -5,826 | 13.92 | -18.85 | -0.49 |
| 1897 | 16,184 | -13,928 | 2,256 | 13.70 | -11.79 | 0.19 |
| 1898 | 11,477 | -11,302 | 175 | 9.71 | -9.56 | 0.01 |
| 1899 | 14,430 | -8,170 | 6,260 | 12.17 | -6.89 | 0.53 |
| 1900 | 15,564 | -7,892 | 7,672 | 13.05 | -6.62 | 0.65 |
| 1901 | 15,104 | -1,417 | 13,687 | 12.55 | -1.18 | 1.14 |
| 1902 | 14,284 | -15,953 | -1,669 | 11.83 | -13.21 | -0.14 |
| 1903 | 13,974 | -17,463 | -3,489 | 11.59 | -14.49 | -0.29 |
| 1904 | 15,370 | -14,504 | 866 | 12.78 | -12.06 | 0.07 |
| 1905 | 15,431 | -10,618 | 4,813 | 12.79 | -8.80 | 0.40 |
| 1906 | 15,607 | -6,196 | 9,411 | 12.86 | -5.11 | 0.78 |
| 1907 | 16,826 | -3,851 | 12,975 | 13.73 | -3.14 | 1.06 |
| 1908 | 15,331 | 2,311 | 17,642 | 12.36 | 1.86 | 1.43 |
| 1909 | 17,108 | 9,465 | 26,573 | 13.57 | 7.50 | 2.13 |
| 1910 | 16,705 | 7,681 | 24,386 | 13.03 | 5.99 | 1.91 |
| 1911 | 17,810 | 20,675 | 38,485 | 13.49 | 15.66 | 2.96 |
| 1912 | 19,207 | 23,453 | 42,660 | 14.15 | 17.27 | 3.18 |
| 1913 | 20,496 | 12,367 | 32,863 | 14.68 | 8.86 | 2.38 |
| 1914 | 19,719 | 53 | 19,772 | 13.81 | 0.04 | 1.40 |
| 1915 | 19,186 | -29,929 | -10,743 | 13.40 | -20.91 | -0.75 |
| 1916 | 17,746 | -37,528 | -19,782 | 12.55 | -26.53 | -1.39 |
| 1917 | 18,478 | -6,081 | 12,397 | 13.09 | -4.31 | 0.88 |
| 1918 | 16,420 | 3,765 | 20,185 | 11.53 | 2.64 | 1.42 |
| 1919 | 12,249 | 53,541 | 65,790 | 8.32 | 36.35 | 4.58 |
| 1920 | 19,381 | 5,493 | 24,874 | 12.82 | 3.63 | 1.65 |
| 1921 | 19,426 | 3,392 | 22,818 | 12.64 | 2.21 | 1.49 |
| 1922 | 21,133 | 18,413 | 39,546 | 13.45 | 11.72 | 2.55 |
| 1923 | 18,658 | 16,524 | 35,182 | 11.60 | 10.28 | 2.21 |
| 1924 | 19,637 | 12,059 | 31,696 | 11.96 | 7.34 | 1.95 |
| 1925 | 20,085 | 6,815 | 26,900 | 12.02 | 4.08 | 1.62 |
| 1926 | 19,027 | 8,909 | 27,936 | 11.21 | 5.25 | 1.66 |
| 1927 | 18,301 | 11,544 | 29,845 | 10.59 | 6.68 | 1.74 |
| 1928 | 16,790 | 3,124 | 19,914 | 9.58 | 1.78 | 1.14 |
| 1929 | 16,887 | -364 | 16,523 | 9.54 | -0.21 | 0.94 |
| 1930 | 17,168 | -2,832 | 14,336 | 9.61 | -1.59 | 0.81 |
| 1931 | 13,299 | -2,334 | 10,965 | 7.39 | -1.30 | 0.61 |
| 1932 | 10,659 | -842 | 9,817 | 5.89 | -0.47 | 0.54 |
| 1933 | 10,936 | -106 | 10,830 | 6.01 | -0.06 | 0.60 |
| 1934 | 9,180 | 3,263 | 12,443 | 5.02 | 1.78 | 0.68 |
| 1935 | 9,428 | -4,493 | 4,935 | 5.13 | -2.44 | 0.27 |
| 1936 | 10,105 | -2,093 | 8,012 | 5.47 | -1.13 | 0.44 |
| 1937 | 11,118 | -3,734 | 7,384 | 6.00 | -2.01 | 0.40 |
| 1938 | 11,389 | 2,719 | 14,108 | 6.11 | 1.46 | 0.76 |
| 1939 | 10,324 | 1,718 | 12,034 | 5.49 | 0.91 | 0.64 |
| 1940 | 11,669 | 20,268 | 31,785 | 6.14 | 10.66 | 1.69 |
| 1941 | 13,884 | 18,995 | 31,507 | 7.18 | 9.83 | 1.65 |
| 1942 | 13,954 | 5,527 | 16,133 | 7.12 | 2.82 | 0.83 |
| 1943 | 17,790 | 3,789 | 19,058 | 9.01 | 1.92 | 0.97 |
| 1944 | 18,856 | -955 | 16,338 | 9.48 | -0.48 | 0.82 |
| 1945 | 20,704 | -1,812 | 17,153 | 10.32 | -0.90 | 0.86 |
| 1946 | 25,159 | -327 | 24,662 | 12.42 | -0.16 | 1.22 |

POPULATION INCREASE, VICTORIA - *continued*

| Year (a) | Natural increase | | | Total increase (c) | Rate of natural increase (d) | Rate of apparent migration(d) | Rate of population growth per cent |
|----------|------------------|--------------|---------------|--------------------|------------------------------|-------------------------------|---------------------------------------|
| | (b) | (c) | (d) | | | | |
| 1947 | 25,924 | -2,952 | 22,940 | 12.62 | -1.44 | 1.13 | |
| 1948 | 24,274 | 21,142 | 45,416 | 11.61 | 10.11 | 2.20 | |
| 1949 | 24,882 | 35,877 | 60,759 | 11.61 | 16.75 | 2.88 | |
| 1950 | 27,489 | 40,809 | 68,298 | 12.44 | 18.47 | 3.15 | |
| 1951 | 27,107 | 35,249 | 62,356 | 11.91 | 15.49 | 2.79 | |
| 1952 | 30,416 | 36,765 | 67,181 | 12.98 | 15.69 | 2.92 | |
| 1953 | 30,911 | 18,405 | 49,316 | 12.90 | 7.68 | 2.08 | |
| 1954 | 32,106 | 29,845 | 61,951 | 13.09 | 12.17 | 2.56 | |
| 1955 | 33,809 | 34,537 | 68,346 | 13.41 | 13.70 | 2.76 | |
| 1956 | 34,507 | 37,273 | 71,780 | 13.31 | 14.38 | 2.82 | |
| 1957 | 36,333 | 26,110 | 62,443 | 13.68 | 9.83 | 2.39 | |
| 1958 | 37,644 | 26,966 | 64,610 | 13.85 | 9.92 | 2.41 | |
| 1959 | 37,167 | 29,097 | 66,264 | 13.35 | 10.45 | 2.41 | |
| 1960 | 39,478 | 37,383 | <u>76,861</u> | 13.82 | 13.08 | <u>2.73</u> | |
| 1961 | 41,386 | 15,310 | 56,696 | 14.14 | 5.23 | 1.96 | |
| 1962 | 40,043 | 15,701 | 55,744 | 13.42 | 5.26 | 1.89 | |
| 1963 | 38,729 | 21,274 | 60,003 | 12.73 | 6.99 | 1.99 | |
| 1964 | 37,442 | 29,433 | 66,875 | 12.06 | 9.48 | 2.18 | |
| 1965 | <u>35,519</u> | 22,420 | 57,939 | <u>11.22</u> | 7.08 | 1.85 | |
| 1966 | 35,335 | 18,648 | 53,983 | 10.97 | 5.79 | 1.69 | |
| 1967 | 37,112 | 16,651 | 53,763 | 11.32 | 5.08 | 1.65 | |
| 1968 | 40,261 | 12,960 | 53,221 | 12.10 | 3.89 | 1.61 | |
| 1969 | 42,059 | 22,292 | 64,351 | 12.41 | 6.58 | 1.92 | |
| 1970 | 42,684 | 18,169 | 60,853 | 12.37 | 5.27 | 1.78 | |
| 1971 | <u>44,900</u> | <u>9,479</u> | <u>54,379</u> | <u>12.79</u> | <u>2.70</u> | <u>1.56</u> | |
| 1972 | 41,776 | 10,517 | 52,293 | 11.41 | 2.87 | 1.44 | |
| 1973 | 36,172 | 8,516 | 44,688 | 9.76 | 2.30 | 1.21 | |
| 1974 | 35,079 | 13,684 | 48,763 | 9.34 | 3.64 | 1.31 | |
| 1975 | 32,218 | -11,149 | 21,069 | 8.50 | -2.94 | 0.56 | |
| 1976 | 29,647 | -6,362 | 23,285 | 7.78 | -1.67 | 0.61 | |
| 1977 | 29,847 | -1,199 | 28,648 | 7.78 | -0.31 | 0.75 | |
| 1978 | 29,481 | -7,569 | 21,912 | 7.63 | -1.96 | 0.57 | |
| 1979 | 28,510 | -3,018 | 25,492 | 7.34 | -0.78 | 0.66 | |
| 1980 | 28,569 | 2,093 | 30,662 | 7.30 | 0.54 | 0.79 | |
| 1981 | 30,196 | 7,779 | 37,975 | 7.65 | 1.97 | 0.97 | |
| 1982 | 30,346 | 16,715 | 46,061 | 7.70 | 4.20 | 1.16 | |
| 1983 | 29,378 | 14,538 | 43,916 | 7.40 | 3.60 | 1.07 | |
| 1984 | 30,596 | 11,390 | 41,986 | 7.60 | 2.80 | 1.01 | |
| 1985 | 30,269 | 14,359 | 44,628 | 7.40 | 3.50 | 1.07 | |
| 1986 | 29,094 | 13,219 | 42,313 | 7.10 | 3.20 | 0.99 | |
| 1987 | 30,555 | 17,535 | 48,090 | 7.30 | 4.20 | 1.16 | |
| 1988 | 30,577 | 22,422 | 52,999 | 7.30 | 5.30 | 1.26 | |
| 1989 | 31,536 | 28,003 | 59,539 | 7.40 | 6.60 | 1.40 | |
| 1990 | 33,686 | 24,652 | 58,338 | 7.80 | 5.70 | 1.35 | |

- (a) For the period September 1939 to June 1947 troop movements were excluded and deaths of defence personnel, whether in Australia or overseas, included. Thus, for these years, the figures for natural increase and net migration do not equal the total increase figure.
- (b) Excess of live births (where mother's State of usual residence is Victoria) over deaths (where deceased's State of usual residence is Victoria)
- (c) Figures for 1966 and subsequent years include full-blood Aborigines.
- (d) See footnote (a) to preceding table. For reasons stated there, the natural increase and apparent net migration, together with their corresponding rates for this period, must be treated with caution.
- (e) Not calculated. See footnote (a) to preceding table.

INDUSTRIAL CONDITIONS

INDUSTRIAL DISPUTES AND TRADE UNIONS, VICTORIA

| Year | Industrial disputes during year (a) | | | | Trade unions | | | |
|------|-------------------------------------|----------------------|-------------------|-------------------------|---------------------------|---------|---------|-------|
| | Number of disputes | Workers involved (b) | Working days lost | Estimated loss in wages | Number of separate unions | Members | | Total |
| | | | | | | Males | Females | |
| | | | '000 | \$'000 | | '000 | '000 | |
| 1912 | | | | | 151 | 109.9 | 6.7 | 116.6 |
| 1913 | 29 | 6,177 | 78 | 72 | 162 | 122.4 | 7.7 | 130.2 |
| 1914 | 44 | 7,051 | 94 | 79 | 170 | 128.9 | 9.9 | 138.8 |
| 1915 | 38 | 6,243 | 64 | 57 | 161 | 129.1 | 12.9 | 142.0 |
| 1916 | 55 | 15,668 | 168 | 229 | 151 | 130.0 | 17.6 | 147.6 |
| 1917 | 52 | 18,090 | 820 | 758 | 156 | 129.9 | 18.9 | 148.7 |
| 1918 | 33 | 5,748 | 161 | 199 | 158 | 130.7 | 21.4 | 152.1 |
| 1919 | 62 | 22,606 | 601 | 786 | 160 | 138.0 | 26.6 | 164.6 |
| 1920 | 53 | 39,808 | 817 | 931 | 158 | 154.4 | 32.8 | 187.1 |
| 1921 | 20 | 6,280 | 213 | 139 | 159 | 161.1 | 34.9 | 196.0 |
| 1922 | 29 | 6,130 | 65 | 95 | 169 | 168.4 | 37.9 | 206.3 |
| 1923 | 29 | 7,050 | 99 | 217 | 160 | 165.4 | 40.7 | 206.0 |
| 1924 | 30 | 10,037 | 67 | 102 | 158 | 179.6 | 37.5 | 217.0 |
| 1925 | 19 | 8,600 | 132 | 262 | 154 | 182.5 | 38.4 | 220.9 |
| 1926 | 33 | 8,565 | 101 | 213 | 157 | 188.6 | 42.0 | 230.5 |
| 1927 | 24 | 9,221 | 54 | 89 | 149 | 201.5 | 46.1 | 247.6 |
| 1928 | 21 | 5,876 | 111 | 193 | 151 | 194.9 | 47.3 | 242.2 |
| 1929 | 11 | 21,612 | 1,297 | 2,261 | 151 | 192.8 | 48.0 | 240.8 |
| 1930 | 5 | 408 | 8 | 15 | 151 | 184.7 | 44.6 | 229.3 |
| 1931 | 10 | 4,643 | 28 | 50 | 150 | 166.1 | 37.9 | 204.0 |
| 1932 | 12 | 6,585 | 100 | 131 | 151 | 160.0 | 37.0 | 197.0 |
| 1933 | 12 | 7,450 | 27 | 41 | 149 | 156.4 | 38.7 | 195.1 |
| 1934 | 19 | 8,428 | 109 | 165 | 149 | 154.0 | 41.9 | 195.9 |
| 1935 | 20 | 7,901 | 46 | 63 | 147 | 159.1 | 40.0 | 199.1 |
| 1936 | 10 | 1,823 | 12 | 20 | 147 | 160.6 | 41.0 | 201.6 |
| 1937 | 11 | 3,814 | 71 | 114 | 147 | 168.7 | 41.1 | 209.8 |
| 1938 | 19 | 10,290 | 104 | 175 | 147 | 176.2 | 38.8 | 215.0 |
| 1939 | 10 | 2,169 | 27 | 40 | 149 | 176.6 | 40.2 | 216.8 |
| 1940 | 19 | 8,664 | 108 | 203 | 147 | 190.2 | 42.1 | 232.3 |
| 1941 | 22 | 20,117 | 139 | 242 | 146 | 215.8 | 54.5 | 270.3 |
| 1942 | 20 | 12,119 | 36 | 62 | 142 | | | 302.8 |
| 1943 | 40 | 19,259 | 77 | 131 | 142 | 228.6 | 83.2 | 311.8 |
| 1944 | 53 | 13,642 | 73 | 146 | 141 | 232.9 | 82.1 | 315.0 |
| 1945 | 34 | 29,227 | 51 | 99 | 139 | 232.5 | 74.2 | 306.6 |
| 1946 | 35 | 76,817 | 507 | 1,087 | 151 | 255.4 | 69.0 | 324.4 |
| 1947 | 17 | 7,934 | 334 | 835 | 152 | 266.7 | 70.8 | 337.5 |
| 1948 | 21 | 41,889 | 160 | 481 | 156 | 288.8 | 74.8 | 363.7 |
| 1949 | 20 | 22,018 | 60 | 232 | 150 | 302.1 | 80.4 | 382.5 |
| 1950 | 33 | 73,987 | 1,208 | 4,791 | 152 | 325.2 | 81.1 | 406.3 |
| 1951 | 41 | 27,219 | 42 | 208 | 156 | 346.1 | 87.3 | 433.4 |
| 1952 | 33 | 61,920 | 116 | 678 | 159 | 337.8 | 78.6 | 416.3 |
| 1953 | 53 | 68,126 | 57 | 353 | 159 | 339.6 | 84.8 | 424.4 |
| 1954 | 76 | 44,813 | 136 | 920 | 158 | 350.1 | 83.8 | 433.9 |
| 1955 | 66 | 35,542 | 139 | 871 | 160 | 357.5 | 88.9 | 446.4 |
| 1956 | 54 | 37,877 | 112 | 772 | 162 | 356.5 | 84.8 | 441.3 |
| 1957 | 47 | 9,181 | 13 | 91 | 162 | 356.2 | 86.8 | 443.0 |
| 1958 | 66 | 46,718 | 100 | 681 | 161 | 355.3 | 88.9 | 444.2 |
| 1959 | 60 | 32,241 | 36 | 263 | 159 | 369.2 | 92.1 | 461.3 |
| 1960 | 98 | 86,004 | 103 | 794 | 157 | 381.1 | 98.1 | 479.2 |

INDUSTRIAL DISPUTES AND TRADE UNIONS, VICTORIA - *continued*

| Year | Industrial disputes during year (a) | | | | Number of separate unions | Trade unions | | |
|------|-------------------------------------|----------------------|-------------------|-------------------------|---------------------------|--------------|---------|-------|
| | Number of disputes | Workers involved (b) | Working days lost | Estimated loss in wages | | Members | | |
| | | | | | | Males | Females | Total |
| | | | '000 | \$'000 | '000 | '000 | '000 | |
| 1961 | 91 | 52,747 | 72 | 610 | 156 | 385.8 | 101.0 | 486.8 |
| 1962 | 166 | 73,245 | 107 | 837 | 155 | 393.7 | 104.3 | 498.0 |
| 1963 | 180 | 87,978 | 173 | 1,510 | 154 | 401.3 | 113.6 | 514.9 |
| 1964 | 206 | 190,075 | 360 | 3,428 | 157 | 410.3 | 115.5 | 525.8 |
| 1965 | 208 | 121,798 | 214 | 2,061 | 156 | 418.0 | 119.8 | 537.8 |
| 1966 | 179 | 101,490 | 220 | 2,097 | 154 | 415.9 | 123.4 | 539.4 |
| 1967 | 212 | 84,521 | 107 | 1,107 | 152 | 413.9 | 131.6 | 545.5 |
| 1968 | 327 | 172,803 | 244 | 2,731 | 166 | 419.6 | 134.4 | 554.0 |
| 1969 | 367 | 356,429 | 717 | 8,620 | 165 | 423.6 | 139.6 | 563.3 |
| 1970 | 447 | 333,000 | 511 | 6,794 | 169 | 439.9 | 155.2 | 595.3 |
| 1971 | 362 | 380,100 | 689 | 9,727 | 170 | 453.3 | 168.8 | 622.1 |
| 1972 | 377 | 338,200 | 638 | 9,656 | 167 | 463.3 | 191.9 | 655.2 |
| 1973 | 431 | 189,800 | 781 | 13,223 | 168 | 486.7 | 198.0 | 684.8 |
| 1974 | 476 | 611,000 | 2,387 | 46,905 | 172 | 503.2 | 211.9 | 715.0 |
| 1975 | 424 | 570,900 | 1,222 | 31,897 | 171 | 507.4 | 219.0 | 726.5 |
| 1976 | 322 | 647,300 | 1,420 | 42,118 | 172 | 504.2 | 216.4 | 720.5 |
| 1977 | 244 | 120,700 | 586 | 20,752 | 172 | 504.7 | 224.4 | 729.1 |
| 1978 | 303 | 227,000 | 468 | 16,200 | 174 | 510.1 | 225.6 | 735.7 |
| 1979 | 325 | 661,500 | 1,486 | 53,266 | 174 | 514.5 | 235.5 | 750.0 |
| 1980 | 315 | 538,300 | 1,115 | 45,387 | 173 | 523.6 | 246.6 | 770.1 |
| 1981 | 376 | 404,900 | 1,236 | 64,345 | 173 | 522.9 | 248.8 | 771.7 |
| 1982 | 266 | 117,200 | 368 | 24,459 | 175 | 533.4 | 256.7 | 790.1 |
| 1983 | 231 | 103,700 | 258 | n.a. | 174 | 529.1 | 259.1 | 788.2 |
| 1984 | 223 | 72,400 | 188 | n.a. | 179 | 545.5 | 260.5 | 806.0 |
| 1985 | 262 | 130,900 | 356 | n.a. | (c)177 | 568.0 | 290.5 | 858.5 |
| 1986 | 260 | 146,600 | 382 | n.a. | 176 | 586.9 | 299.5 | 886.4 |
| 1987 | 230 | 86,200 | 281 | n.a. | 166 | 578.4 | 297.3 | 875.7 |
| 1988 | 191 | 207,700 | 363 | n.a. | 166 | 589.6 | 311.9 | 901.5 |
| 1989 | 182 | 174,300 | 348 | n.a. | 160 | 598.9 | 332.3 | 931.2 |
| 1990 | 162 | 169,500 | 439 | n.a. | 157 | 598.5 | 316.7 | 915.2 |

- (a) Refers only to disputes involving a stoppage of work of 10 man-days or more in the establishments where the stoppage occurred. Disputes not settled at the end of a year are included as new disputes in the figures for the following year. Statistical collection commenced in 1913.
- (b) Includes persons stood down from work at the establishments where the stoppages occurred but were not themselves parties to the dispute.
- (c) Trade Unions reported financial and total membership separately for the first time as at 30 June 1985.

EDUCATION

PRIMARY AND SECONDARY EDUCATION (a), VICTORIA

| Year | Government schools | | | | | | Non-government schools | | | | | | | | |
|------|--------------------|------------------|---------|---------|--------------------|---------|------------------------|-------------------|------------------|---------|---------|--------------------|---------|---------|--|
| | Number of schools | Number of pupils | | | Number of teachers | | | Number of schools | Number of pupils | | | Number of teachers | | | |
| | | Males | Females | Persons | Males | Females | Persons | | Males | Females | Persons | Males | Females | Persons | |
| 1852 | 98 | | | 7,369 | | | 17 | | | 472 | | | | | |
| 1853 | 152 | | | 11,270 | | | 54 | | | 1763 | | | | | |
| 1854 | 259 | 9,606 | 7,772 | 17,378 | | | 132 | 1,303 | 1,426 | 2,729 | | | | | |
| 1855 | 370 | 11,417 | 9,826 | 21,243 | | | 168 | 1,483 | 1,752 | 3,235 | | | | | |
| 1856 | 455 | 13,654 | 12,385 | 26,039 | | | | | | | | | | | |
| 1857 | 540 | 17,481 | 15,753 | 33,234 | | | 135 | 1,348 | 2,089 | 3,437 | | | | | |
| 1858 | 595 | 20,610 | 18,277 | 38,887 | | | 145 | 1,569 | 1,976 | 3,545 | | | | | |
| 1859 | 605 | 22,663 | 19,698 | 42,361 | | | 167 | 1,346 | 2,558 | 3,904 | | | | | |
| 1860 | 665 | 25,167 | 21,520 | 46,687 | | | 221 | 1,938 | 3,043 | 4,981 | | | | | |
| 1861 | 671 | 28,120 | 23,225 | 51,345 | | | 211 | 1,968 | 3,160 | 5,128 | | | | | |
| 1862 | 673 | 31,268 | 25,883 | 57,151 | | | 316 | 3,633 | 4,757 | 8,390 | 167 | 388 | 555 | | |
| 1863 | 648 | 32,150 | 26,369 | 58,519 | 702 | 654 | 1,356 | 371 | 5,037 | 6,063 | 11,100 | 244 | 463 | 707 | |
| 1864 | 647 | 31,450 | 25,532 | 56,982 | 730 | 675 | 1,405 | 300 | 4,120 | 5,043 | 9,163 | 192 | 391 | 583 | |
| 1865 | 694 | 34,353 | 27,862 | 62,215 | 848 | 763 | 1,611 | 386 | 5,539 | 5,845 | 11,384 | 241 | 432 | 673 | |
| 1866 | 730 | 36,582 | 29,455 | 66,037 | 886 | 835 | 1,721 | 476 | 7,064 | 8,128 | 15,192 | 311 | 595 | 906 | |
| 1867 | 780 | 39,634 | 32,161 | 71,795 | 949 | 806 | 1,755 | 605 | 8,740 | 10,801 | 19,541 | 312 | 785 | 1,097 | |
| 1868 | 802 | 42,471 | 34,774 | 77,245 | 980 | 920 | 1,900 | 628 | 8,729 | 11,910 | 20,639 | 420 | 870 | 1,290 | |
| 1869 | 839 | 66,223 | 55,541 | 121,764 | 1,031 | 979 | 2,010 | 883 | 13,483 | 16,597 | 30,080 | 553 | 1,200 | 1,753 | |
| 1870 | 908 | 67,225 | 56,160 | 123,385 | 1,097 | 1,041 | 2,138 | 959 | 14,028 | 16,940 | 30,968 | 590 | 1,277 | 1,867 | |
| 1871 | 988 | 71,247 | 59,898 | 131,145 | 1,194 | 1,123 | 2,317 | 1,062 | 15,421 | 18,710 | 34,131 | 677 | 1,435 | 2,112 | |
| 1872 | 1,048 | 73,826 | 62,136 | 135,962 | 1,250 | 1,166 | 2,416 | 888 | 11,186 | 13,595 | 24,781 | 605 | 1,236 | 1,841 | |
| 1873 | 1,078 | 109,560 | 98,266 | 207,826 | 1,509 | 1,640 | 3,149 | 653 | 8,400 | 10,028 | 18,428 | 472 | 974 | 1,446 | |
| 1874 | 1,111 | 111,408 | 104,736 | 216,144 | 1,767 | 1,948 | 3,715 | 610 | 10,652 | 11,796 | 22,448 | 550 | 959 | 1,509 | |
| 1875 | 1,320 | 115,774 | 104,759 | 220,533 | 1,812 | 2,014 | 3,826 | 565 | 13,106 | 14,375 | 27,481 | 524 | 987 | 1,511 | |
| 1876 | 1,498 | 122,350 | 109,210 | 231,560 | 1,819 | 1,953 | 3,772 | 645 | 13,455 | 15,392 | 28,847 | 542 | 1,104 | 1,646 | |
| 1877 | 1,626 | 123,514 | 111,005 | 234,519 | 1,804 | 2,056 | 3,860 | 530 | 13,128 | 15,294 | 28,422 | 481 | 976 | 1,457 | |
| 1878 | 1,664 | 121,471 | 109,698 | 231,169 | 1,824 | 2,082 | 3,906 | 592 | 17,890 | 19,192 | 37,082 | 608 | 1,078 | 1,686 | |
| 1879 | 1,713 | 119,237 | 108,538 | 227,775 | 1,850 | 2,280 | 4,130 | 568 | 16,432 | 18,392 | 34,824 | 554 | 1,033 | 1,587 | |
| 1880 | 1,810 | 120,123 | 109,600 | 229,723 | 1,857 | 2,351 | 4,208 | 643 | 13,308 | 14,826 | 28,134 | 425 | 1,091 | 1,516 | |
| 1881 | 1,757 | 118,996 | 112,427 | 231,423 | 1,894 | 2,420 | 4,314 | 645 | 16,665 | 17,397 | 34,062 | 430 | 1,123 | 1,553 | |
| 1882 | 1,762 | 114,520 | 108,425 | 222,945 | 1,828 | 2,351 | 4,179 | 655 | 16,490 | 17,953 | 34,443 | 424 | 1,127 | 1,551 | |
| 1883 | 1,777 | 114,199 | 108,229 | 222,428 | 1,793 | 2,391 | 4,184 | 670 | 16,679 | 19,094 | 35,773 | 416 | 1,222 | 1,638 | |
| 1884 | 1,803 | 114,286 | 107,768 | 222,054 | 1,783 | 2,432 | 4,215 | 655 | 17,090 | 18,025 | 35,115 | 449 | 1,186 | 1,635 | |
| 1885 | 1,826 | 115,982 | 108,703 | 224,685 | 1,714 | 2,336 | 4,050 | 665 | 16,535 | 18,252 | 34,787 | 429 | 1,216 | 1,645 | |
| 1886 | 1,870 | 119,133 | 111,443 | 230,576 | 1,712 | 2,466 | 4,178 | 691 | 16,950 | 18,861 | 35,811 | 408 | 1,272 | 1,680 | |
| 1887 | 1,911 | 119,559 | 111,323 | 230,882 | 1,750 | 2,544 | 4,294 | 749 | 17,863 | 19,960 | 37,823 | 448 | 1,364 | 1,812 | |
| 1888 | 1,933 | 125,645 | 116,401 | 242,046 | 1,693 | 2,541 | 4,234 | 753 | 19,396 | 20,895 | 40,291 | 437 | 1,441 | 1,878 | |
| 1889 | 2,062 | 130,135 | 120,294 | 250,429 | 1,808 | 2,778 | 4,586 | 782 | 19,825 | 20,356 | 40,181 | 458 | 1,509 | 1,967 | |
| 1890 | 2,170 | 129,932 | 120,165 | 250,097 | 1,845 | 2,863 | 4,708 | 791 | 20,186 | 19,995 | 40,181 | 479 | 1,558 | 2,037 | |
| 1891 | 2,233 | 131,282 | 122,187 | 253,469 | 1,898 | 2,964 | 4,862 | 759 | 17,941 | 19,262 | 37,203 | 466 | 1,529 | 1,995 | |
| 1892 | 2,140 | 129,209 | 120,577 | 249,786 | 1,910 | 3,067 | 4,977 | 745 | 17,568 | 18,776 | 36,344 | 434 | 1,539 | 1,973 | |
| 1893 | 2,038 | 122,232 | 114,276 | 236,508 | 1,911 | 3,057 | 4,968 | 826 | 16,740 | 19,002 | 35,742 | 422 | 1,620 | 2,042 | |
| 1894 | 1,956 | 119,697 | 111,624 | 231,321 | 1,778 | 2,851 | 4,629 | 867 | 17,863 | 20,199 | 38,062 | 445 | 1,696 | 2,141 | |
| 1895 | 1,913 | 119,653 | 112,399 | 232,052 | 1,751 | 2,732 | 4,483 | 938 | 18,686 | 21,507 | 40,193 | 444 | 1,871 | 2,315 | |
| 1896 | 1,886 | 121,178 | 114,439 | 235,617 | 1,760 | 2,737 | 4,497 | 930 | 19,681 | 22,363 | 42,044 | 444 | 1,913 | 2,357 | |
| 1897 | 1,877 | 122,414 | 115,894 | 238,308 | 1,802 | 2,815 | 4,617 | 929 | 19,976 | 22,923 | 42,899 | 428 | 1,962 | 2,390 | |
| 1898 | 1,877 | 122,614 | 115,743 | 238,357 | 1,788 | 2,830 | 4,618 | 945 | 20,551 | 23,375 | 43,926 | 436 | 2,004 | 2,440 | |
| 1899 | 1,892 | 123,143 | 116,589 | 239,732 | 1,860 | 2,948 | 4,808 | 901 | 24,434 | 27,884 | 52,318 | 415 | 2,002 | 2,417 | |
| 1900 | 1,948 | 125,661 | 118,006 | 243,667 | 1,897 | 3,080 | 4,977 | 884 | 23,475 | 28,359 | 51,834 | 397 | 1,951 | 2,348 | |

PRIMARY AND SECONDARY EDUCATION (a), VICTORIA - continued

| Year | Government schools | | | | | | | Non-government schools | | | | | | |
|------|--------------------|------------------|---------|---------|--------------------|---------|---------|------------------------|------------------|---------|---------|--------------------|---------|---------|
| | Number of schools | Number of pupils | | | Number of teachers | | | Number of schools | Number of pupils | | | Number of teachers | | |
| | | Males | Females | Persons | Males | Females | Persons | | Males | Females | Persons | Males | Females | Persons |
| 1901 | 1,967 | 110,481 | 104,631 | 215,112 | | | | 862 | 21,289 | 24,251 | 45,540 | 385 | 2,017 | 2,402 |
| 1902 | 2,041 | 132,266 | 125,089 | 257,355 | 1,917 | 3,149 | 5,066 | 872 | 21,812 | 25,218 | 47,030 | 404 | 1,975 | 2,379 |
| 1903 | 1,988 | 129,330 | 122,325 | 251,655 | 1,990 | 3,047 | 5,037 | 798 | 21,429 | 24,221 | 45,650 | 407 | 1,962 | 2,369 |
| 1904 | 1,927 | 124,433 | 116,712 | 241,145 | 1,911 | 2,886 | 4,797 | 787 | 21,160 | 23,917 | 45,077 | 418 | 1,942 | 2,360 |
| 1905 | 1,935 | 121,510 | 113,104 | 234,614 | 1,881 | 2,808 | 4,689 | 771 | 21,485 | 24,451 | 45,936 | 421 | 1,868 | 2,289 |
| 1906 | 1,953 | 118,727 | 110,452 | 229,179 | 1,879 | 2,719 | 4,598 | 757 | 24,144 | 28,049 | 52,193 | 387 | 2,010 | 2,397 |
| 1907 | 1,974 | 119,953 | 111,806 | 231,759 | 2,009 | 3,102 | 5,111 | 751 | 24,843 | 28,528 | 53,371 | 412 | 1,901 | 2,313 |
| 1908 | 2,017 | 120,741 | 113,152 | 233,893 | 2,006 | 3,094 | 5,100 | 696 | 25,191 | 28,845 | 54,036 | 389 | 1,799 | 2,188 |
| 1909 | 2,035 | 120,654 | 112,683 | 233,337 | 2,102 | 3,190 | 5,292 | 678 | 24,998 | 28,823 | 53,821 | 381 | 1,797 | 2,178 |
| 1910 | 2,036 | 121,712 | 113,330 | 235,042 | 2,204 | 3,237 | 5,441 | 641 | 24,714 | 30,026 | 54,740 | 361 | 1,706 | 2,067 |
| 1911 | 2,059 | 121,275 | 113,491 | 234,766 | 2,218 | 3,354 | 5,572 | 587 | 25,936 | 29,957 | 55,893 | 337 | 1,638 | 1,975 |
| 1912 | 2,130 | 124,708 | 116,917 | 241,625 | 2,241 | 3,678 | 5,919 | 548 | 26,194 | 29,841 | 56,035 | 315 | 1,541 | 1,856 |
| 1913 | 2,169 | 127,079 | 118,503 | 245,582 | 2,371 | 3,804 | 6,175 | 519 | 27,182 | 30,516 | 57,698 | 321 | 1,525 | 1,846 |
| 1914 | 2,218 | 129,902 | 121,567 | 251,469 | 2,248 | 3,872 | 6,120 | 512 | 27,461 | 31,425 | 58,886 | 327 | 1,517 | 1,844 |
| 1915 | 2,274 | 132,243 | 123,850 | 256,093 | 2,297 | 4,215 | 6,512 | 509 | 28,211 | 32,654 | 60,865 | 331 | 1,548 | 1,879 |
| 1916 | 2,191 | 138,174 | 129,361 | 267,535 | 2,475 | 4,477 | 6,952 | 495 | 29,645 | 35,185 | 64,830 | 367 | 1,542 | 1,909 |
| 1917 | 2,251 | 134,283 | 127,479 | 261,762 | 2,481 | 4,551 | 7,032 | 495 | 29,526 | 34,843 | 64,369 | 427 | 1,543 | 1,970 |
| 1918 | 2,349 | 130,156 | 122,373 | 252,529 | 2,421 | 4,783 | 7,204 | 493 | 29,032 | 34,444 | 63,476 | | | 1,903 |
| 1919 | 2,406 | 127,857 | 119,934 | 247,791 | 2,485 | 4,801 | 7,286 | 486 | 30,088 | 33,018 | 63,106 | 385 | 1,606 | 1,991 |
| 1920 | 2,431 | 135,174 | 126,748 | 261,922 | | | | 489 | 30,963 | 35,482 | 66,445 | 380 | 1,570 | 1,950 |
| 1921 | 2,455 | 136,127 | 127,391 | 263,518 | 2,438 | 4,845 | 7,283 | 486 | 31,615 | 36,433 | 68,048 | 402 | 1,661 | 2,063 |
| 1922 | 2,526 | 139,122 | 128,126 | 267,248 | 2,522 | 4,913 | 7,435 | 486 | 31,429 | 36,244 | 67,673 | 421 | 1,688 | 2,109 |
| 1923 | 2,584 | 142,037 | 130,619 | 272,656 | 2,611 | 4,963 | 7,574 | 486 | 32,943 | 37,672 | 70,615 | 430 | 1,724 | 2,154 |
| 1924 | 2,634 | 152,947 | 131,865 | 274,812 | 2,660 | 5,073 | 7,733 | 490 | 33,391 | 38,534 | 71,925 | 432 | 1,731 | 2,163 |
| 1925 | 2,702 | 144,858 | 135,173 | 280,031 | 2,716 | 5,108 | 7,824 | 495 | 33,260 | 38,512 | 71,772 | | | 2,212 |
| 1926 | 2,714 | 147,521 | 136,482 | 284,003 | 3,081 | 5,490 | 8,571 | 493 | 33,925 | 39,324 | 73,249 | | | 2,220 |
| 1927 | 2,753 | 149,824 | 138,275 | 288,099 | 3,356 | 6,033 | 9,389 | 483 | 33,342 | 39,219 | 72,561 | | | 2,253 |
| 1928 | 2,763 | 150,711 | 138,823 | 289,534 | 3,629 | 5,922 | 9,551 | 500 | 35,701 | 39,438 | 75,139 | | | 2,325 |
| 1929 | 2,789 | 152,240 | 139,600 | 291,840 | 3,857 | 5,875 | 9,732 | 501 | 35,822 | 40,064 | 75,886 | | | 2,249 |
| 1930 | 2,758 | 154,004 | 140,784 | 294,788 | 3,963 | 5,730 | 9,693 | 502 | 35,837 | 40,107 | 75,944 | | | 2,400 |
| 1931 | 2,747 | 155,046 | 141,444 | 296,490 | 3,906 | 5,476 | 9,382 | 505 | 31,682 | 38,660 | 73,342 | | | 2,286 |
| 1932 | 2,767 | 145,448 | 141,863 | 296,311 | 3,940 | 5,263 | 9,203 | 504 | 35,369 | 38,341 | 73,710 | | | 2,309 |
| 1933 | 2,756 | 153,833 | 141,244 | 292,077 | 3,987 | 5,125 | 9,112 | 508 | 35,597 | 38,248 | 73,845 | | | 2,400 |
| 1934 | 2,764 | 151,369 | 139,618 | 290,987 | 4,028 | 4,974 | 9,002 | 510 | 36,275 | 39,508 | 75,783 | | | 2,498 |
| 1935 | 2,754 | 150,778 | 138,381 | 289,159 | 4,060 | 4,818 | 8,878 | 518 | 37,210 | 40,804 | 78,014 | | | 2,501 |
| 1936 | 2,749 | 148,322 | 135,884 | 284,206 | 4,179 | 4,660 | 8,839 | 520 | 37,615 | 42,178 | 79,793 | | | 2,556 |
| 1937 | 2,742 | 141,417 | 129,202 | 270,619 | 4,180 | 4,731 | 8,911 | 520 | 36,917 | 41,986 | 78,903 | | | 2,492 |
| 1938 | 2,745 | 138,099 | 126,254 | 264,353 | 4,222 | 4,593 | 8,815 | 516 | 38,463 | 41,698 | 80,161 | | | 2,654 |
| 1939 | 2,739 | 138,312 | 125,011 | 263,323 | 4,309 | 4,645 | 8,954 | 514 | 38,333 | 42,322 | 80,655 | | | 2,719 |
| 1940 | 2,724 | 137,327 | 124,803 | 262,130 | 4,398 | 4,702 | 9,100 | 518 | 38,565 | 42,812 | 81,377 | | | 2,733 |
| 1941 | 2,697 | 134,822 | 122,448 | 257,270 | 4,421 | 4,921 | 9,342 | 518 | 38,410 | 42,898 | 81,308 | | | 2,744 |
| 1942 | 2,634 | 127,896 | 117,642 | 245,538 | 4,471 | 5,104 | 9,575 | 513 | 38,476 | 42,684 | 81,160 | | | 2,754 |
| 1943 | 2,613 | 124,408 | 111,383 | 235,791 | 4,341 | 5,456 | 9,797 | 508 | 40,138 | 44,373 | 84,511 | | | 2,853 |
| 1944 | 2,530 | 123,901 | 110,919 | 234,820 | 4,476 | 5,741 | 10,217 | 502 | 40,318 | 45,289 | 85,607 | | | 2,952 |
| 1945 | 2,493 | 120,832 | 108,341 | 229,173 | 4,005 | 5,006 | 9,011 | 473 | 39,803 | 42,793 | 82,596 | | | 2,827 |
| 1946 | 2,423 | 123,163 | 110,500 | 233,663 | 4,491 | 5,223 | 9,714 | 470 | 40,263 | 43,213 | 83,476 | | | 2,860 |
| 1947 | 2,345 | 123,858 | 114,030 | 237,888 | 4,115 | 4,524 | 8,639 | 469 | 40,927 | 43,812 | 84,739 | | | 2,910 |
| 1948 | 2,278 | 111,028 | 100,813 | 211,841 | 4,166 | 4,645 | 8,811 | 470 | 41,471 | 45,200 | 86,671 | | | 2,985 |
| 1949 | 2,231 | 116,152 | 105,248 | 221,400 | 4,279 | 4,560 | 8,839 | 472 | 43,685 | 46,374 | 90,059 | | | 3,015 |
| 1950 | 2,183 | 123,112 | 112,679 | 235,791 | 4,665 | 4,962 | 9,627 | 476 | 46,810 | 49,818 | 96,628 | | | 3,147 |

PRIMARY AND SECONDARY EDUCATION (a), VICTORIA - continued

| Year | Government schools | | | | | | | | Non-government schools | | | | | |
|------|--------------------|------------------|---------|---------|--------------------|---------|---------|-------------------|------------------------|---------|---------|--------------------|---------|---------|
| | Number of schools | Number of pupils | | | Number of teachers | | | Number of schools | Number of pupils | | | Number of teachers | | |
| | | Males | Females | Persons | Males | Females | Persons | | Males | Females | Persons | Males | Females | Persons |
| 1951 | 2,119 | 130,704 | 118,045 | 248,749 | 4,672 | 4,616 | 9,288 | 479 | 49,414 | 52,900 | 102,314 | | | 3,272 |
| 1952 | 2,100 | 140,618 | 126,963 | 267,581 | 4,851 | 4,797 | 9,648 | 478 | 52,756 | 56,201 | 108,957 | | | 3,353 |
| 1953 | 2,090 | 149,907 | 135,372 | 285,279 | 5,058 | 5,031 | 10,089 | 489 | 55,438 | 59,682 | 115,120 | | | 3,449 |
| 1954 | 2,049 | 159,404 | 143,589 | 302,993 | 5,362 | 5,146 | 10,508 | 494 | 60,259 | 63,243 | 123,502 | 877 | 2,707 | 3,584 |
| 1955 | 2,087 | 168,287 | 151,683 | 319,970 | 5,566 | 5,976 | 11,542 | 506 | 64,261 | 69,446 | 133,707 | 894 | 2,881 | 3,775 |
| 1956 | 2,103 | 178,335 | 160,318 | 338,653 | 5,942 | 6,101 | 12,043 | 521 | 69,348 | 72,077 | 141,425 | 951 | 2,969 | 3,920 |
| 1957 | 2,132 | 189,937 | 170,639 | 360,576 | 6,051 | 6,274 | 12,325 | 532 | 73,240 | 75,226 | 148,466 | 987 | 3,060 | 4,047 |
| 1958 | 2,153 | 202,471 | 181,446 | 383,917 | 6,508 | 7,221 | 13,729 | 533 | 76,951 | 78,574 | 155,525 | 1,052 | 3,188 | 4,240 |
| 1959 | 2,184 | 213,059 | 190,903 | 403,962 | 6,817 | 7,604 | 14,421 | 545 | 79,229 | 83,313 | 162,542 | 1,067 | 3,380 | 4,447 |
| 1960 | 2,208 | 223,285 | 199,110 | 422,395 | 7,237 | 7,744 | 14,981 | 546 | 78,876 | 81,699 | 160,575 | 1,125 | 3,564 | 4,689 |
| 1961 | 2,222 | 233,153 | 206,587 | 439,740 | 7,665 | 8,811 | 16,476 | 548 | 81,462 | 84,403 | 165,865 | 1,195 | 3,665 | 4,860 |
| 1962 | 2,210 | 242,569 | 214,050 | 456,619 | 8,308 | 9,416 | 17,724 | 551 | 82,914 | 86,050 | 168,964 | 1,275 | 3,827 | 5,102 |
| 1963 | 2,223 | 249,176 | 220,664 | 469,840 | 9,718 | 9,323 | 19,041 | 562 | 84,901 | 88,852 | 173,753 | 1,477 | 4,539 | 6,016 |
| 1964 | 2,229 | 258,450 | 228,742 | 487,192 | 10,409 | 10,185 | 20,594 | 568 | 87,387 | 91,263 | 178,650 | 1,573 | 4,757 | 6,330 |
| 1965 | 2,232 | 266,815 | 237,305 | 504,120 | 10,956 | 10,943 | 21,899 | 582 | 89,191 | 93,415 | 182,606 | 1,658 | 5,042 | 6,700 |
| 1966 | 2,242 | 277,153 | 246,633 | 523,786 | 11,518 | 11,545 | 23,063 | 579 | 89,196 | 93,659 | 182,855 | 1,803 | 5,278 | 7,081 |
| 1967 | 2,241 | 285,721 | 254,560 | 540,281 | 12,072 | 12,301 | 24,373 | 578 | 90,333 | 95,189 | 185,522 | 1,874 | 5,564 | 7,438 |
| 1968 | 2,247 | 293,459 | 262,379 | 555,838 | 12,779 | 13,324 | 26,103 | 579 | 91,711 | 96,862 | 188,573 | 2,029 | 5,868 | 7,897 |
| 1969 | 2,235 | 301,622 | 270,503 | 572,125 | 13,294 | 14,663 | 27,957 | 572 | 92,427 | 97,025 | 189,452 | 2,089 | 5,918 | 8,007 |
| 1970 | 2,215 | 308,199 | 277,241 | 585,440 | 13,428 | 15,492 | 28,920 | 581 | 93,451 | 97,577 | 191,028 | 2,323 | 6,393 | 8,716 |
| 1971 | 2,197 | 312,203 | 281,730 | 593,933 | 13,847 | 16,365 | 30,212 | 571 | 93,546 | 97,669 | 191,215 | 2,332 | 6,473 | 8,805 |
| 1972 | 2,194 | 315,876 | 286,738 | 602,614 | 14,400 | 17,664 | 32,064 | 570 | 94,368 | 97,787 | 192,155 | 2,496 | 6,639 | 9,135 |
| 1973 | 2,179 | 316,391 | 289,253 | 605,644 | 15,336 | 18,879 | 34,215 | 569 | 95,135 | 98,302 | 193,437 | 2,644 | 6,944 | 9,588 |
| 1974 | 2,161 | 316,621 | 292,022 | 608,643 | 15,694 | 19,326 | 35,020 | 571 | 96,525 | 99,895 | 196,420 | 2,822 | 7,237 | 10,059 |
| 1975 | 2,161 | 321,124 | 296,988 | 618,112 | 16,621 | 21,107 | 37,728 | 578 | 97,646 | 101,193 | 198,839 | 2,995 | 7,530 | 10,525 |
| 1976 | 2,164 | 323,499 | 301,208 | 624,707 | 17,557 | 22,986 | 40,543 | 586 | 98,598 | 102,485 | 201,083 | 3,239 | 7,484 | 10,723 |
| 1977 | 2,162 | 323,285 | 303,032 | 626,317 | 18,184 | 23,711 | 41,895 | 584 | 99,391 | 103,927 | 203,318 | 3,543 | 7,813 | 11,356 |
| 1978 | 2,152 | 321,896 | 301,713 | 623,609 | 18,588 | 24,393 | 42,981 | 600 | 101,304 | 105,856 | 207,160 | 3,812 | 8,070 | 11,882 |
| 1979 | 2,155 | 316,430 | 297,989 | 614,419 | 18,629 | 24,134 | 42,763 | 617 | 103,696 | 107,445 | 211,141 | 4,136 | 8,520 | 12,656 |
| 1980 | 2,158 | 311,702 | 294,445 | 606,147 | 18,391 | 23,810 | 42,201 | 633 | 106,159 | 109,966 | 216,125 | 4,293 | 8,741 | 13,034 |
| 1981 | 2,149 | 306,510 | 288,532 | 595,042 | 18,206 | 23,563 | 41,769 | 632 | 108,734 | 112,877 | 221,611 | 4,606 | 9,209 | 13,815 |
| 1982 | 2,140 | 301,469 | 283,312 | 584,781 | 18,362 | 23,494 | 41,856 | 641 | 111,732 | 115,471 | 227,203 | 4,877 | 9,561 | 14,438 |
| 1983 | 2,124 | 300,900 | 281,134 | 582,034 | 19,096 | 23,799 | 42,895 | 659 | 115,369 | 118,802 | 234,171 | 5,191 | 10,053 | 15,244 |
| 1984 | 2,118 | 296,050 | 276,563 | 572,613 | 19,480 | 24,611 | 44,091 | 734 | 119,277 | 122,462 | 241,739 | 5,554 | 11,409 | 16,963 |
| 1985 | 2,118 | 288,595 | 270,169 | 558,764 | 19,008 | 24,868 | 43,876 | 734 | 121,230 | 123,946 | 245,176 | 5,736 | 11,646 | 17,382 |
| 1986 | 2,114 | 281,668 | 264,468 | 546,136 | 18,130 | 23,729 | 41,859 | 733 | 123,568 | 126,828 | 250,396 | 5,926 | 11,834 | 17,760 |
| 1987 | 2,091 | 276,789 | 261,106 | 537,895 | 18,003 | 24,683 | 42,686 | 729 | 124,992 | 128,094 | 253,086 | 6,047 | 12,000 | 18,047 |
| 1988 | 2,064 | 273,623 | 258,984 | 532,607 | 17,636 | 23,528 | 41,164 | 730 | 127,039 | 129,673 | 256,712 | 6,087 | 12,437 | 18,324 |
| 1989 | 2,059 | 270,695 | 257,005 | 527,700 | 17,189 | 24,423 | 41,612 | 719 | 127,652 | 129,755 | 257,407 | 6,029 | 12,381 | 18,410 |
| 1990 | 2,038 | 270,210 | 256,366 | 526,576 | 16,496 | 24,442 | 40,938 | 715 | 127,774 | 130,012 | 257,786 | 6,014 | 12,523 | 18,537 |

(a) Care should be taken in interpreting the data in this table. Comparability between years and between government and non-government schools is affected by differences in the organisation of grades, policy on student advancement flows from secondary to vocational education and the recruitment and employment of teachers. In addition, the census date has differed in some years. From 1980 the census has been at 1 July on the first school day thereafter.

UNIVERSITY EDUCATION (a), VICTORIA

| Year | Enrolments (b) | | | | | Number of academic staff (d) | Course completions (e) | | |
|------|----------------|--------|---------------|-------------------|-------|------------------------------------|------------------------|--------|-------|
| | Males | Female | Full- time | Part- time (c) | Total | | Bachelor | Higher | Total |
| 1855 | 17 | - | 17 | - | 17 | 4 | - | - | - |
| 1856 | 15 | - | 15 | - | 15 | 4 | - | 3 | 3 |
| 1857 | 54 | - | 54 | - | 54 | 5 | - | - | - |
| 1858 | 44 | - | 44 | - | 44 | 6 | 5 | 4 | 9 |
| 1859 | 60 | - | 60 | - | 60 | 6 | 1 | 1 | 2 |
| 1860 | 68 | - | 68 | - | 68 | 6 | 4 | 2 | 6 |
| 1861 | 100 | - | 100 | - | 100 | 7 | 4 | 1 | 5 |
| 1862 | 79 | - | 79 | - | 79 | 8 | 7 | 5 | 12 |
| 1863 | 68 | - | 68 | - | 68 | 10 | 4 | 4 | 8 |
| 1864 | 73 | - | 73 | - | 73 | 13 | 10 | 2 | 12 |
| 1865 | 94 | - | 94 | - | 94 | 15 | 5 | 3 | 8 |
| 1866 | 91 | - | 91 | - | 91 | 15 | 7 | 4 | 11 |
| 1867 | 89 | - | 89 | - | 89 | 15 | 9 | 7 | 16 |
| 1868 | 77 | - | 77 | - | 77 | 15 | 11 | 2 | 13 |
| 1869 | 98 | - | 98 | - | 98 | 14 | 6 | 7 | 13 |
| 1870 | 122 | - | 122 | - | 122 | 15 | 9 | 1 | 10 |
| 1871 | 122 | - | 122 | - | 122 | 14 | 15 | 4 | 19 |
| 1872 | 134 | - | 134 | - | 134 | 15 | 8 | 6 | 14 |
| 1873 | 133 | - | 133 | - | 133 | 20 | 18 | 3 | 21 |
| 1874 | 177 | - | 177 | - | 177 | 20 | 18 | 6 | 24 |
| 1875 | 199 | - | 199 | - | 199 | 20 | 22 | 7 | 29 |
| 1876 | 178 | - | 178 | - | 178 | 20 | 22 | 6 | 28 |
| 1877 | 213 | - | 213 | - | 213 | 20 | 22 | 4 | 26 |
| 1878 | 258 | - | 258 | - | 258 | 20 | 18 | 6 | 24 |
| 1879 | 273 | - | 273 | - | 273 | 20 | 47 | 9 | 56 |
| 1880 | 301 | - | 301 | - | 301 | 20 | 42 | 7 | 49 |
| 1881 | 368 | 2 | 370 | - | 370 | 20 | 44 | 11 | 55 |
| 1882 | 396 | 1 | 397 | - | 397 | 24 | 63 | 10 | 73 |
| 1883 | 387 | 2 | 389 | - | 389 | 22 | 46 | 18 | 64 |
| 1884 | 431 | - | 431 | - | 431 | 25 | 67 | 13 | 80 |
| 1885 | 443 | 1 | 444 | - | 444 | 22 | 63 | 14 | 77 |
| 1886 | 432 | 18 | 450 | - | 450 | 22 | 73 | 29 | 102 |
| 1887 | 471 | 21 | 492 | - | 492 | 29 | 96 | 19 | 115 |
| 1888 | 508 | 31 | 539 | - | 539 | 30 | 82 | 35 | 117 |
| 1889 | 497 | 40 | 537 | - | 537 | 32 | 102 | 27 | 129 |
| 1890 | 527 | 43 | 570 | - | 570 | 32 | 76 | 23 | 99 |
| 1891 | 582 | 70 | 652 | - | 652 | 33 | 94 | 25 | 119 |
| 1892 | 587 | 79 | 666 | - | 666 | 38 | 105 | 22 | 127 |
| 1893 | 560 | 79 | 639 | - | 639 | 38 | 93 | 22 | 115 |
| 1894 | 518 | 76 | 594 | - | 594 | 38 | 81 | 24 | 105 |
| 1895 | 496 | 199 | 695 | - | 695 | 37 | 120 | 21 | 141 |
| 1896 | 483 | 185 | 668 | - | 668 | 37 | 101 | 21 | 122 |
| 1897 | 490 | 196 | 686 | - | 686 | 38 | 117 | 28 | 145 |
| 1898 | 496 | 195 | 691 | - | 691 | 38 | 115 | 32 | 147 |
| 1899 | 489 | 238 | 727 | - | 727 | 39 | 105 | 26 | 131 |
| 1900 | 433 | 214 | 647 | - | 647 | 41 | 96 | 28 | 124 |
| 1901 | 425 | 159 | 584 | - | 584 | 43 | 145 | 55 | 200 |
| 1902 | 434 | 187 | 621 | - | 621 | 50 | 86 | 36 | 122 |
| 1903 | 434 | 194 | 628 | - | 628 | 55 | 96 | 39 | 135 |
| 1904 | 431 | 184 | 615 | - | 615 | 46 | 121 | 31 | 152 |
| 1905 | 586 | 216 | 695 | 107 | 802 | 44 | 87 | 25 | 112 |
| 1906 | 648 | 212 | 775 | 85 | 860 | 50 | 122 | 44 | 166 |
| 1907 | 749 | 231 | 862 | 118 | 980 | 63 | 122 | 24 | 146 |

UNIVERSITY EDUCATION (a), VICTORIA - continued

| Year | Enrolments (b) | | | | | Number of academic staff (d) | Course completions (e) | | |
|------|----------------|--------|-----------|---------------|--------|------------------------------|------------------------|--------|-------|
| | Males | Female | Full-time | Part-time (c) | Total | | Bachelor | Higher | Total |
| 1908 | 778 | 265 | 934 | 109 | 1,043 | 61 | 139 | 28 | 167 |
| 1909 | 845 | 276 | 1,014 | 107 | 1,121 | 69 | 165 | 34 | 199 |
| 1910 | 903 | 334 | 1,151 | 86 | 1,237 | 69 | 168 | 33 | 201 |
| 1911 | 944 | 276 | 1,139 | 81 | 1,220 | 68 | 197 | 46 | 243 |
| 1912 | 1,009 | 310 | 1,243 | 76 | 1,319 | 69 | 141 | 43 | 184 |
| 1913 | 1,015 | 315 | 1,261 | 69 | 1,330 | 72 | 216 | 44 | 260 |
| 1914 | 1,089 | 300 | 1,286 | 103 | 1,389 | 75 | 276 | 29 | 305 |
| 1915 | 955 | 396 | 1,269 | 82 | 1,351 | 77 | 315 | 32 | 347 |
| 1916 | 852 | 445 | 1,235 | 62 | 1,297 | 87 | 270 | 32 | 302 |
| 1917 | 842 | 490 | 1,139 | 193 | 1,332 | 68 | 204 | 37 | 241 |
| 1918 | 910 | 538 | 1,278 | 170 | 1,448 | 95 | 261 | 34 | 295 |
| 1919 | 1,415 | 572 | 1,859 | 128 | 1,987 | 101 | 165 | 39 | 204 |
| 1920 | 1,910 | 620 | 2,337 | 193 | 2,530 | 99 | 312 | 75 | 387 |
| 1921 | 2,003 | 651 | 2,423 | 231 | 2,654 | 99 | 313 | 68 | 381 |
| 1922 | 1,975 | 672 | 2,404 | 243 | 2,647 | 102 | 440 | 74 | 514 |
| 1923 | 1,848 | 636 | 2,187 | 297 | 2,484 | 167 | 502 | 71 | 573 |
| 1924 | 1,764 | 659 | 2,177 | 246 | 2,423 | 158 | 539 | 80 | 619 |
| 1925 | 1,952 | 660 | 2,071 | 541 | 2,612 | 169 | 565 | 79 | 64 |
| 1926 | 2,153 | 701 | 2,182 | 672 | 2,854 | 162 | 463 | 88 | 551 |
| 1927 | 2,209 | 776 | 2,150 | 835 | 2,985 | 167 | 348 | 78 | 426 |
| 1928 | 2,164 | 827 | 2,245 | 746 | 2,991 | 174 | 417 | 62 | 479 |
| 1929 | 2,238 | 881 | 2,134 | 985 | 3,119 | 177 | 376 | 51 | 427 |
| 1930 | 2,345 | 911 | 2,205 | 1,051 | 3,256 | 195 | 392 | 64 | 456 |
| 1931 | 2,419 | 900 | 2,278 | 1,041 | 3,319 | 222 | 308 | 65 | 373 |
| 1932 | 2,455 | 969 | 2,323 | 1,101 | 3,424 | 167 | 358 | 73 | 431 |
| 1933 | 2,418 | 915 | 2,234 | 1,099 | 3,333 | 177 | 341 | 69 | 410 |
| 1934 | 2,457 | 887 | 2,327 | 1,017 | 3,344 | 238 | 342 | 62 | 404 |
| 1935 | 2,582 | 915 | 2,427 | 1,070 | 3,497 | 230 | 329 | 91 | 420 |
| 1936 | 2,770 | 982 | 2,501 | 1,251 | 3,752 | 257 | 344 | 81 | 425 |
| 1937 | 2,839 | 1,022 | 2,514 | 1,347 | 3,861 | 262 | 367 | 74 | 441 |
| 1938 | 3,117 | 1,164 | 2,773 | 1,508 | 4,281 | 295 | 377 | 89 | 466 |
| 1939 | 3,246 | 1,262 | 2,901 | 1,607 | 4,508 | 318 | 435 | 78 | 513 |
| 1940 | 3,373 | 1,246 | 2,715 | 1,904 | 4,619 | 272 | 417 | 65 | 482 |
| 1941 | 3,288 | 1,335 | 2,987 | 1,636 | 4,623 | 317 | 448 | 49 | 497 |
| 1942 | 2,119 | 1,081 | 1,834 | 1,366 | 3,200 | 355 | 450 | 38 | 488 |
| 1943 | 2,222 | 1,315 | 1,816 | 1,721 | 3,537 | 359 | 343 | 54 | 397 |
| 1944 | 2,463 | 1,520 | 2,122 | 1,861 | 3,983 | 373 | 408 | 56 | 464 |
| 1945 | 2,921 | 1,735 | 2,419 | 2,237 | 4,656 | 353 | 441 | 53 | 494 |
| 1946 | 5,343 | 1,940 | 4,348 | 2,935 | 7,283 | 447 | 498 | 61 | 559 |
| 1947 | 7,383 | 1,735 | 5,662 | 3,456 | 9,118 | 559 | 699 | 76 | 775 |
| 1948 | 7,498 | 2,038 | 5,677 | 3,859 | 9,536 | 628 | 824 | 80 | 904 |
| 1949 | 7,258 | 1,970 | 5,212 | 4,016 | 9,228 | 621 | 1,191 | 115 | 1,306 |
| 1950 | 7,032 | 1,971 | 5,212 | 3,791 | 9,003 | 580 | 1,238 | 103 | 1,341 |
| 1951 | 6,340 | 1,894 | 4,973 | 3,261 | 8,234 | 562 | 1,138 | 96 | 1,234 |
| 1952 | 5,784 | 1,536 | 4,217 | 3,103 | 7,320 | 581 | 1,044 | 105 | 1,149 |
| 1953 | 5,408 | 1,620 | 4,128 | 2,900 | 7,028 | 593 | 958 | 105 | 1,063 |
| 1954 | 5,319 | 1,569 | 4,258 | 2,630 | 6,888 | 585 | 951 | 84 | 1,035 |
| 1955 | 5,420 | 1,660 | 4,260 | 2,820 | 7,080 | 581 | 967 | 88 | 1,055 |
| 1956 | 5,738 | 1,850 | 4,574 | 3,014 | 7,588 | 578 | 1,006 | 95 | 1,101 |
| 1957 | 6,038 | 1,875 | 4,934 | 2,982 | 7,916 | 593 | 936 | 79 | 1,015 |
| 1958 | 6,833 | 2,187 | 5,553 | 3,467 | 9,020 | 653 | 983 | 88 | 1,071 |
| 1959 | 7,618 | 2,661 | 6,310 | 3,969 | 10,279 | 850 | 1,013 | 97 | 1,110 |
| 1960 | 8,237 | 2,920 | 6,894 | 4,263 | 11,157 | 872 | 1,181 | 103 | 1,284 |

UNIVERSITY EDUCATION (a), VICTORIA - continued

| Year | Enrolments (b) | | | | | Number of academic staff (d) | | | Course completions (e) | | |
|------|----------------|--------|-----------|---------------|--------|---------------------------------|-----------|---------------|------------------------|--------|-------|
| | Males | Female | Full-time | Part-time (c) | Total | Full-time teaching and research | Part-time | | Bachelor | Higher | Total |
| | | | | | | | Teaching | Research only | | | |
| 1961 | 8,707 | 3,107 | 7,554 | 4,260 | 11,814 | 831 | 665 | 9 | 1,296 | 85 | 1,381 |
| 1962 | 9,378 | 3,475 | 8,193 | 4,660 | 12,853 | 1,018 | 727 | 10 | 1,455 | 116 | 1,571 |
| 1963 | 10,645 | 4,076 | 9,674 | 5,047 | 14,721 | 1,120 | 881 | 16 | 1,621 | 155 | 1,776 |
| 1964 | 11,986 | 4,829 | 11,416 | 5,399 | 16,815 | 1,308 | 1,107 | 16 | 1,683 | 137 | 1,820 |
| 1965 | 12,646 | 5,258 | 12,702 | 5,202 | 17,904 | 1,453 | 1,281 | 20 | 1,715 | 179 | 1,894 |
| 1966 | 13,841 | 5,996 | 14,236 | 5,601 | 19,837 | 1,646 | 1,447 | 38 | 2,151 | 207 | 2,358 |
| 1967 | 15,140 | 6,680 | 15,956 | 5,864 | 21,820 | 1,833 | 1,307 | 30 | 2,516 | 215 | 2,731 |
| 1968 | 16,334 | 7,287 | 17,533 | 6,088 | 23,621 | 2,007 | 1,320 | 25 | 2,880 | 274 | 3,154 |
| 1969 | 17,960 | 8,132 | 18,894 | 7,198 | 26,092 | 2,157 | 1,538 | 30 | 3,455 | 327 | 3,782 |
| 1970 | 18,734 | 8,895 | 20,098 | 7,531 | 27,629 | 2,258 | 1,596 | 30 | 3,701 | 407 | 4,108 |
| 1971 | 19,363 | 9,633 | 21,149 | 7,847 | 28,996 | 2,348 | 1,856 | 32 | 4,201 | 433 | 4,634 |
| 1972 | 20,359 | 10,592 | 22,559 | 8,392 | 30,951 | 2,476 | 1,986 | 43 | 4,366 | 477 | 4,843 |
| 1973 | 20,975 | 11,338 | 23,154 | 9,159 | 32,313 | 2,355 | 385 | 7 | 4,667 | 543 | 5,210 |
| 1974 | 22,010 | 12,847 | 24,993 | 9,864 | 34,857 | 2,564 | 374 | 6 | 5,456 | 515 | 5,971 |
| 1975 | 22,792 | 13,882 | 26,104 | 10,570 | 36,674 | 2,655 | 304 | 7 | 5,660 | 614 | 6,274 |
| 1976 | 23,464 | 14,923 | 26,992 | 11,395 | 38,387 | 2,692 | 348 | 6 | 5,785 | 689 | 6,474 |
| 1977 | 24,484 | 16,193 | 28,064 | 12,613 | 40,677 | 2,900 | 349 | 14 | 6,299 | 668 | 6,967 |
| 1978 | 24,522 | 17,436 | 27,512 | 14,446 | 41,958 | 2,984 | 350 | 28 | 6,675 | 685 | 7,360 |
| 1979 | 24,646 | 18,319 | 27,229 | 15,736 | 42,965 | 3,034 | 340 | 18 | 6,962 | 784 | 7,746 |
| 1980 | 24,659 | 19,220 | 27,815 | 16,064 | 43,879 | 3,070 | 346 | 28 | 7,022 | 645 | 7,667 |
| 1981 | 24,370 | 19,849 | 27,946 | 16,273 | 44,219 | 3,131 | 385 | 34 | 6,932 | 780 | 7,712 |
| 1982 | 23,850 | 20,300 | 28,110 | 16,040 | 44,150 | 3,160 | 335 | 20 | 7,080 | 840 | 7,920 |
| 1983 | 23,406 | 20,897 | 28,115 | 16,188 | 44,303 | 3,170 | 332 | 23 | 7,455 | 917 | 8,372 |
| 1984 | 23,383 | 21,570 | 28,434 | 16,519 | 44,953 | 3,268 | 343 | 29 | 7,584 | 956 | 8,540 |
| 1985 | 23,163 | 22,531 | 28,502 | 17,192 | 45,694 | 3,312 | 339 | 24 | 7,474 | 1,006 | 8,480 |
| 1986 | 23,284 | 23,644 | 29,268 | 17,695 | 46,963 | 3,379 | 336 | 27 | 7,500 | 947 | 8,447 |
| 1987 | 22,990 | 23,776 | 30,339 | 16,427 | 46,766 | 3,398 | 341 | 35 | 8,265 | 832 | 9,097 |
| 1988 | 24,286 | 27,552 | 34,418 | 17,420 | 51,838 | 3,540 | 211 | n.a. | 8,158 | 832 | 8,990 |
| 1989 | 25,736 | 32,683 | 40,117 | 13,322 | 58,419 | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 1990 | 27,065 | 34,612 | 42,942 | 18,735 | 61,677 | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |

(a) There were four universities in Victoria in 1989: the University of Melbourne opened 1855, Monash University opened 1961, La Trobe University opened 1967, and Deakin University opened 1977.

(b) 1855 to 1956 gross enrolments in courses.

1957 to 1971 net enrolments (students in two courses counted once).

(c) Includes external students.

(d) From 1961 all part-time staff are expressed in full-time equivalent (FTE).

(e) Course completions data to 1986 refers to year ended 30 June. 1987 data refer to year ended 31 December.

NON-UNIVERSITY TERTIARY EDUCATION (a) VICTORIA

| Year | Number of institutions | Student enrolments | Year | Number of institutions | Student enrolments |
|------|------------------------|--------------------|------|------------------------|--------------------|
| 1969 | 15 | 23,916 | 1980 | 22 | 54,762 |
| 1970 | 16 | 24,180 | 1981 | 22 | 56,566 |
| 1971 | 16 | 26,451 | 1982 | 19 | 57,982 |
| 1972 | 16 | 24,072 | 1983 | 18 | 59,206 |
| 1973 | 15 | 25,818 | 1984 | 18 | 60,070 |
| 1974 | 31 | 41,539 | 1985 | 18 | 61,800 |
| 1975 | 31 | 46,982 | 1986 | 18 | 65,318 |
| 1976 | 30 | 50,085 | 1987 | 19 | 66,548 |
| 1977 | 23 | 49,705 | 1988 | 19 | 69,158 |
| 1978 | 23 | 52,232 | 1989 | 18 | 69,388 |
| 1979 | 23 | 54,218 | 1990 | 17 | 76,565 |

(a) From 1988 Institutes of tertiary education are included.

PUBLIC EXAMINATIONS, VICTORIA

| <i>Matriculation (a)</i> | | | | <i>Matriculation (a)</i> | | | |
|--------------------------|--------------------------------|---------------------|------------------------------|--------------------------|--------------------------------|---------------------|------------------------------|
| <i>Year</i> | <i>Attempted to pass fully</i> | <i>Passed fully</i> | <i>Percentage who passed</i> | <i>Year</i> | <i>Attempted to pass fully</i> | <i>Passed fully</i> | <i>Percentage who passed</i> |
| 1855 | 16 | 16 | 100.0 | 1881 | 911 | 409 | 44.9 |
| 1856 | 7 | 7 | 100.0 | 1882 | 940 | 389 | 41.4 |
| 1857 | | 7 | | 1883 | 1,004 | 342 | 34.1 |
| 1858 | | 7 | | 1884 | 953 | 438 | 46.0 |
| 1859 | | 10 | | 1885 | 954 | 339 | 35.5 |
| 1860 | 29 | 14 | 48.3 | 1886 | 857 | 372 | 43.4 |
| | | | | 1887 | 971 | 385 | 39.6 |
| 1861 | 29 | 20 | 69.0 | 1888 | 995 | 442 | 44.4 |
| 1862 | 27 | 16 | 59.3 | 1889 | 992 | 464 | 46.8 |
| 1863 | 48 | 29 | 60.4 | 1890 | 1,271 | 631 | 49.6 |
| 1864 | 51 | 23 | 45.1 | | | | |
| 1865 | 73 | 42 | 57.5 | 1891 | 1,293 | 543 | 42.0 |
| 1866 | 83 | 35 | 42.2 | 1892 | 1,434 | 567 | 39.5 |
| 1867 | 102 | 43 | 42.2 | 1893 | 1,290 | 535 | 41.5 |
| 1868 | 137 | 55 | 40.1 | 1894 | 1,255 | 496 | 39.5 |
| 1869 | 202 | 83 | 41.1 | 1895 | 1,171 | 466 | 39.8 |
| 1870 | 245 | 87 | 35.5 | 1896 | 1,195 | 517 | 43.3 |
| | | | | 1897 | 1,122 | 484 | 43.1 |
| 1871 | 276 | 122 | 44.2 | 1898 | 1,140 | 482 | 42.3 |
| 1872 | 383 | 203 | 53.0 | 1899 | 1,235 | 559 | 45.3 |
| 1873 | 425 | 196 | 46.1 | 1900 | 1,159 | 443 | 38.2 |
| 1874 | 519 | 204 | 39.3 | | | | |
| 1875 | 485 | 181 | 37.3 | 1901 | 1,136 | 511 | 45.0 |
| 1876 | 482 | 208 | 43.2 | 1902 | 1,047 | 490 | 46.8 |
| 1877 | 544 | 208 | 38.2 | 1903 | 1,199 | 478 | 39.9 |
| 1878 | 588 | 262 | 44.6 | 1904 | 1,162 | 490 | 42.2 |
| 1879 | 628 | 311 | 49.5 | 1905 | 1,238 | 493 | 39.8 |
| 1880 | 776 | 334 | 43.0 | 1906 | 484 | 224 | 46.3 |

| <i>Junior Commercial</i> | | | <i>Junior Public (a) (c)</i> | | | <i>Senior Public (a)</i> | | | |
|--------------------------|--------------------------------|---------------------|------------------------------|--------------------------------|---------------------|------------------------------|--------------------------------|---------------------|------------------------------|
| <i>Year</i> | <i>Attempted to pass fully</i> | <i>Passed fully</i> | <i>Percentage who passed</i> | <i>Attempted to pass fully</i> | <i>Passed fully</i> | <i>Percentage who passed</i> | <i>Attempted to pass fully</i> | <i>Passed fully</i> | <i>Percentage who passed</i> |
| 1906 | (b) | (b) | (b) | 914 | 356 | 38.9 | 66 | 33 | 50.0 |
| 1907 | 79 | 26 | 32.9 | 1,028 | 400 | 38.9 | 148 | 86 | 58.1 |
| 1908 | 88 | 22 | 25.0 | 1,365 | 539 | 39.5 | 175 | 102 | 58.3 |
| 1909 | 49 | 18 | 36.7 | 1,517 | 605 | 39.9 | 230 | 125 | 54.3 |
| 1910 | 47 | 12 | 25.5 | 1,483 | 593 | 40.0 | 232 | 117 | 50.4 |
| | | | | | | | | | |
| 1911 | 49 | 15 | 30.6 | 2,003 | 888 | 44.3 | 391 | 201 | 51.4 |
| 1912 | 51 | 21 | 41.2 | 2,174 | 1,045 | 48.1 | 462 | 249 | 53.9 |
| 1913 | 48 | 23 | 47.9 | 2,407 | 1,181 | 49.1 | 513 | 255 | 49.7 |
| 1914 | 71 | 28 | 39.4 | 2,497 | 1,166 | 46.7 | 731 | 288 | 39.4 |
| 1915 | 73 | 25 | 34.2 | 2,853 | 1,201 | 42.1 | 857 | 429 | 50.1 |
| 1916 | 74 | 22 | 29.7 | 3,249 | 1,369 | 42.1 | 900 | 411 | 45.7 |
| 1917 | 21 | 14 | 66.7 | 933 | 554 | 59.4 | 376 | 211 | 56.1 |

| <i>Intermediate (c)</i> | | | <i>Leaving (d)</i> | | | <i>Matriculation (a)</i> | | | |
|-------------------------|--------------------------------|---------------------|------------------------------|--------------------------------|---------------------|------------------------------|--------------------------------|---------------------|------------------------------|
| <i>Year</i> | <i>Attempted to pass fully</i> | <i>Passed fully</i> | <i>Percentage who passed</i> | <i>Attempted to pass fully</i> | <i>Passed fully</i> | <i>Percentage who passed</i> | <i>Attempted to pass fully</i> | <i>Passed fully</i> | <i>Percentage who passed</i> |
| 1917 | 2,352 | 986 | 41.9 | 736 | 353 | 48.0 | | | |
| 1918 | 3,532 | 1,551 | 43.9 | 1,328 | 597 | 45.0 | | | |
| 1919 | 4,006 | 1,937 | 48.4 | 1,652 | 796 | 48.2 | | | |
| 1920 | 4,176 | 1,667 | 39.9 | 2,047 | 955 | 46.7 | | | |
| | | | | | | | | | |
| 1921 | 3,831 | 1,346 | 35.1 | 2,238 | 827 | 37.0 | | | |
| 1922 | 4,431 | 1,725 | 38.9 | 2,587 | 1,004 | 38.8 | | | |
| 1923 | 4,275 | 1,974 | 46.2 | 2,422 | 1,016 | 41.9 | | | |
| 1924 | 4,148 | 1,858 | 44.8 | 2,418 | 1,053 | 43.5 | | | |

PUBLIC EXAMINATIONS, VICTORIA - *continued*

| Year | Intermediate (c) | | | Leaving (d) | | | Matriculation (a) | | |
|------|-------------------------|--------------|-----------------------|-------------------------|--------------|-----------------------|-------------------------|--------------|-----------------------|
| | Attempted to pass fully | Passed fully | Percentage who passed | Attempted to pass fully | Passed fully | Percentage who passed | Attempted to pass fully | Passed fully | Percentage who passed |
| 1925 | 4,165 | 1,919 | 46.1 | 2,335 | 1,098 | 47.0 | | | |
| 1926 | 4,421 | 1,909 | 43.2 | 2,434 | 1,226 | 50.4 | | | |
| 1927 | 4,998 | 2,284 | 45.7 | 2,568 | 1,360 | 53.0 | | | |
| 1928 | 5,371 | 2,457 | 45.7 | 2,640 | 1,317 | 49.9 | | | |
| 1929 | 7,282 | 3,071 | 42.2 | 3,467 | 1,538 | 44.4 | | | |
| 1930 | 6,255 | 3,337 | 53.3 | 3,322 | 1,657 | 49.9 | | | |
| 1931 | 7,805 | 3,412 | 43.7 | 4,699 | 1,877 | 39.9 | | | |
| 1932 | 6,103 | 3,302 | 54.1 | 3,492 | 1,779 | 50.9 | | | |
| 1933 | 5,392 | 2,900 | 53.8 | 2,969 | 1,609 | 54.2 | | | |
| 1934 | 6,144 | 2,781 | 45.3 | 3,260 | 1,396 | 42.8 | | | |
| 1935 | 5,095 | 2,886 | 56.6 | 2,595 | 1,288 | 49.6 | | | |
| 1936 | 5,658 | 3,284 | 58.0 | 2,726 | 1,607 | 59.0 | | | |
| 1937 | 6,133 | 3,749 | 61.1 | 2,949 | 1,806 | 61.2 | | | |
| 1938 | 6,582 | 3,907 | 59.4 | 3,263 | 1,882 | 57.7 | | | |
| 1939 | 7,135 | 4,502 | 63.1 | 3,589 | 2,109 | 58.8 | | | |
| 1940 | 7,464 | 4,489 | 60.1 | 4,841 | 2,227 | 46.0 | | | |
| 1941 | 7,378 | 4,488 | 60.8 | 4,959 | 2,247 | 45.3 | | | |
| 1942 | 6,965 | 4,395 | 63.1 | 4,799 | 2,243 | 46.7 | | | |
| 1943 | 7,703 | 4,616 | 59.9 | 5,718 | 2,492 | 43.6 | | | |
| 1944 | 8,245 | 4,663 | 56.6 | 4,970 | 2,768 | 55.7 | 969 | 619 | 63.9 |
| 1945 | 9,013 | 5,165 | 57.3 | 5,378 | 3,375 | 62.8 | 1,560 | 842 | 54.0 |
| 1946 | 8,538 | 4,891 | 57.3 | 5,331 | 3,414 | 64.0 | 1,992 | 1,189 | 59.7 |
| 1947 | 8,636 | 5,452 | 63.1 | 4,964 | 3,162 | 63.7 | 2,130 | 1,254 | 58.9 |
| 1948 | 8,320 | 5,166 | 62.1 | 5,015 | 3,237 | 64.5 | 2,043 | 1,249 | 61.1 |
| 1949 | 8,375 | 5,354 | 63.9 | 4,763 | 3,205 | 67.3 | 2,041 | 1,181 | 57.9 |
| 1950 | 8,608 | 5,572 | 64.7 | 4,999 | 3,353 | 67.1 | 2,278 | 1,346 | 59.1 |
| 1951 | 8,573 | 5,662 | 66.0 | 5,211 | 3,543 | 68.0 | 2,449 | 1,422 | 58.1 |
| 1952 | 9,240 | 6,089 | 65.9 | 5,387 | 3,666 | 68.1 | 2,639 | 1,650 | 62.5 |
| 1953 | 10,895 | 7,288 | 66.9 | 5,983 | 4,030 | 67.4 | 2,556 | 1,659 | 64.9 |
| 1954 | 10,720 | 7,310 | 68.2 | 6,882 | 4,552 | 66.1 | 2,700 | 1,700 | 63.0 |
| 1955 | 11,742 | 7,915 | 67.4 | 7,079 | 4,858 | 68.6 | 3,045 | 2,069 | 67.9 |
| 1956 | 13,162 | 8,738 | 66.4 | 7,564 | 5,275 | 69.7 | 3,328 | 2,180 | 65.5 |
| 1957 | 14,812 | 9,404 | 63.5 | 8,615 | 5,442 | 63.2 | 3,760 | 2,442 | 64.9 |
| 1958 | 17,228 | 11,293 | 65.6 | 10,393 | 6,288 | 60.5 | 4,257 | 2,808 | 66.0 |
| 1959 | 19,323 | 12,501 | 64.7 | 12,192 | 7,328 | 60.1 | 4,723 | 3,127 | 66.2 |
| 1960 | 21,230 | 14,023 | 66.1 | 13,733 | 8,528 | 62.1 | 5,466 | 3,537 | 64.7 |
| 1961 | 23,621 | 15,589 | 66.0 | 15,636 | 9,493 | 60.7 | 6,651 | 4,280 | 64.4 |
| 1962 | 25,718 | 18,821 | 73.2 | 17,704 | 11,176 | 63.1 | 7,951 | 5,090 | 64.0 |
| 1963 | | | | 20,852 | 13,176 | 63.2 | 9,072 | 5,948 | 65.6 |
| 1964 | | | | | | | 10,801 | 7,054 | 65.3 |
| 1965 | | | | | | | 11,474 | 7,435 | 64.8 |
| 1966 | | | | | | | 12,296 | 8,096 | 65.8 |
| 1967 | | | | | | | 12,898 | 8,628 | 66.9 |
| 1968 | | | | | | | 14,617 | 9,701 | 66.4 |
| 1969 | | | | | | | 16,932 | 10,987 | 64.9 |
| 1970 | | | | | | | 18,756 | 12,467 | 66.5 |
| 1971 | | | | | | | 19,351 | 13,274 | 68.6 |
| 1972 | | | | | | | 20,044 | 13,935 | 69.5 |
| 1973 | | | | | | | 21,521 | 14,681 | 68.2 |
| 1974 | | | | | | | 21,686 | 14,835 | 68.4 |
| 1975 | | | | | | | 22,966 | 15,787 | 68.7 |
| 1976 | | | | | | | 23,676 | 16,069 | 67.9 |
| 1977 | | | | | | | 22,533 | 15,619 | 69.3 |

PUBLIC EXAMINATIONS, VICTORIA - *continued*

| Year | Intermediate (c) | | | Leaving (d) | | | Matriculation (a) | | |
|------|-------------------------|--------------|-----------------------|-------------------------|--------------|-----------------------|-------------------------|--------------|-----------------------|
| | Attempted to pass fully | Passed fully | Percentage who passed | Attempted to pass fully | Passed fully | Percentage who passed | Attempted to pass fully | Passed fully | Percentage who passed |
| 1978 | | | | | | | 22,569 | 15,315 | 67.9 |
| 1979 | | | | | | | 21,738 | 15,034 | 69.2 |
| 1980 | | | | | | | 21,367 | 14,609 | 68.4 |
| 1981 | | | | | | | 23,397 | 16,162 | 69.1 |
| 1982 | | | | | | | 23,425 | 16,367 | 69.9 |
| 1983 | | | | | | | 23,666 | 17,287 | 73.0 |
| 1984 | | | | | | | 26,253 | 20,660 | 78.7 |
| 1985 | | | | | | | 27,955 | 22,080 | 79.0 |
| 1986 | | | | | | | 30,500 | 24,294 | 79.7 |
| 1987 | | | | | | | 33,604 | 26,970 | 78.5 |
| 1988 | | | | | | | 37,898 | 30,272 | 79.9 |
| 1989 | | | | | | | 38,588 | 31,149 | 80.7 |
| 1990 | | | | | | | 37,769 | 30,908 | 81.8 |

- (a) Matriculation was first held in 1855 primarily as a qualification for university entrance.
 1906: title changed to senior and junior public examinations.
 1917: title changed to School Leaving Certificate.
 1944: title changed to Matriculation
 1970: title changed to Higher School Certificate (HSC).
 1987: title changed to Victorian Certificate of Education (VCE) - a combination of school based and external assessment.
- (b) Included in Junior Public figures.
- (c) 1963 to 1967 Intermediate was a subject examination (one in which the candidate is presented with a certificate listing the subjects he or she passed, i.e. the candidate does not pass or fail the examination as a whole). The only available figures show the total number of entries (persons) regardless of the number of subjects each is sitting for and have been excluded. Includes candidates with Headmaster's Certificates which were accepted as satisfying the requirements of the examination. 1967 was the last year in which the examination was held.
- (d) Since 1964 known as a subject examination.
 In 1971 the Leaving Certificate commenced to be phased out. A large number of schools conducted their own 5th year secondary examinations.

HEALTH

PUBLIC HOSPITALS (a), VICTORIA

| Year | Number of hospitals (a) | Number of beds | Patients treated | | Year | Number of hospitals (a) | Number of beds | Patients treated | |
|-----------|-------------------------|----------------|------------------|-------------|---------|-------------------------|----------------|------------------|-------------|
| | | | Inpatients | Outpatients | | | | Inpatients | Outpatients |
| 1856 | 9 | | | | 1905-06 | 52 | 3,512 | 28,522 | 80,692 |
| 1857 | 8 | | | | 1906-07 | 52 | 3,694 | 29,573 | 85,420 |
| 1858 | 12 | | 4,054 | 7,435 | 1907-08 | 52 | 3,703 | 31,332 | 88,026 |
| 1859 | 17 | | 5,579 | 11,704 | 1908-09 | 53 | 3,724 | 31,680 | 90,539 |
| 1860 | 18 | 947 | 7,119 | 13,749 | 1909-10 | 54 | 3,792 | 35,014 | 86,696 |
| 1861 | 19 | 926 | 7,610 | 17,596 | 1910-11 | 55 | 3,897 | 36,292 | 76,328 |
| 1862 | 19 | 1,037 | 7,222 | 22,878 | 1911-12 | 56 | 3,897 | 39,005 | 81,297 |
| 1863 | 22 | 1,123 | 7,529 | 29,035 | 1912-13 | 56 | 3,923 | 38,433 | 80,889 |
| 1864 | 24 | 1,347 | 8,892 | 33,208 | 1913-14 | 57 | 4,095 | 40,197 | 80,462 |
| 1865 | 25 | 1,411 | 9,939 | 37,340 | 1914-15 | 57 | 4,040 | 40,618 | 84,874 |
| 1866 | 25 | 1,414 | 10,183 | 49,291 | 1915-16 | 57 | 4,191 | 44,285 | 87,941 |
| 1867 | 27 | 1,665 | 10,517 | 39,011 | 1916-17 | 58 | 4,607 | 41,685 | 89,639 |
| 1868 | 27 | 1,599 | 10,822 | 44,029 | 1917-18 | 59 | 4,735 | 43,512 | 88,511 |
| 1869 | 27 | 1,616 | 11,515 | 44,350 | 1918-19 | 59 | 4,800 | 49,715 | 85,908 |
| 1870 | 27 | 1,588 | 11,915 | 65,077 | 1919-20 | 59 | 4,768 | 50,004 | 90,298 |
| 1871 | 31 | 1,820 | 13,087 | 49,983 | 1920-21 | 60 | 4,845 | 50,517 | 93,661 |
| 1872 | 32 | 1,842 | 13,316 | 47,112 | 1921-22 | 60 | 4,850 | 49,167 | 109,703 |
| 1873 | 33 | 2,001 | 14,654 | 50,429 | 1922-23 | 60 | 4,965 | 50,061 | 106,217 |
| 1874 | 35 | 2,074 | 15,268 | 76,944 | 1923-24 | 60 | 5,097 | 52,000 | 112,365 |
| 1875 | 35 | 2,094 | 15,515 | | 1924-25 | 60 | 5,083 | 54,477 | 166,123 |
| 1876 | 35 | 2,186 | 15,827 | | 1925-26 | 60 | 5,188 | 56,742 | 128,895 |
| 1877 | 35 | 2,196 | 16,178 | | 1926-27 | 63 | 5,473 | 63,782 | 142,301 |
| 1878 | 36 | 2,269 | 16,713 | | 1927-28 | 63 | 5,574 | 69,017 | 147,003 |
| 1879 | 37 | 2,341 | 16,649 | | 1928-29 | 63 | 4,638 | 70,529 | 156,986 |
| 1880 | 37 | 2,339 | 16,801 | | 1929-30 | 64 | 4,622 | 71,842 | 174,257 |
| 1881 | 37 | 2,350 | 16,828 | | 1930-31 | 65 | 4,597 | 73,028 | 171,465 |
| 1881-82 | 38 | 2,229 | 9,391 | | 1931-32 | 67 | 4,684 | 81,303 | 216,666 |
| 1882-83 | 39 | 2,292 | 16,324 | | 1932-33 | 68 | 4,832 | 81,790 | 244,653 |
| 1883-84 | 41 | 2,372 | 16,390 | | 1933-34 | 66 | 6,037 | 84,770 | 238,233 |
| 1884-85 | 41 | 2,401 | 16,543 | | 1934-35 | 66 | 6,828 | 85,613 | 235,140 |
| 1885-86 | 41 | 2,483 | 17,993 | | 1935-36 | 66 | 6,882 | 91,919 | 245,305 |
| 1886-87 | 41 | 2,514 | 17,978 | | 1936-37 | 67 | 7,270 | 92,472 | 255,482 |
| 1887-88 | 41 | 2,563 | 18,567 | 54,892 | 1937-38 | 67 | 7,490 | 89,899 | 241,067 |
| 1888-89 | 42 | 2,613 | 20,434 | 40,728 | 1938-39 | 67 | 7,642 | 96,173 | 261,209 |
| 1889-90 | 42 | 2,604 | 20,855 | 38,498 | 1939-40 | 68 | 7,696 | 102,369 | 265,215 |
| 1890-91 | 42 | 2,672 | 19,800 | 41,166 | 1940-41 | 67 | 7,827 | 109,716 | 281,278 |
| 1891-92 | 46 | 2,726 | 21,056 | 42,577 | 1941-42 | 70 | 7,264 | 93,658 | 263,223 |
| 1892-93 | 46 | 2,762 | 21,090 | 37,315 | 1942-43 | 70 | 7,379 | 93,157 | 252,323 |
| 1893-94 | 46 | 2,800 | 19,838 | 41,105 | 1943-44 | 72 | 8,908 | 131,207 | 260,063 |
| 1894-95 | 48 | 2,833 | 18,825 | 48,822 | 1944-45 | 72 | 9,092 | 130,859 | 271,754 |
| 1895-96 | 48 | 2,900 | 19,969 | 50,817 | 1945-46 | 75 | 9,204 | 129,109 | 281,146 |
| 1896-97 | 48 | 2,934 | 20,330 | 55,318 | 1946-47 | 86 | 9,435 | 147,031 | 327,910 |
| 1897-98 | 48 | 2,976 | 22,997 | 58,172 | 1947-48 | 86 | 9,505 | 148,140 | 342,136 |
| 1898-99 | 49 | 3,034 | 22,590 | 58,730 | 1948-49 | 84 | 8,659 | 114,504 | 288,263 |
| 1899-1900 | 50 | 3,116 | 22,715 | 59,960 | 1949-50 | 91 | 8,930 | 154,231 | 404,743 |
| 1900-01 | 50 | 3,231 | 23,442 | 68,579 | 1950-51 | 93 | 9,112 | 165,481 | 415,495 |
| 1901-02 | 50 | 3,307 | 25,350 | 66,454 | 1951-52 | 96 | 9,237 | 172,353 | 422,851 |
| 1902-03 | 50 | 3,335 | 25,944 | 64,004 | 1952-53 | 103 | 9,732 | 183,639 | 431,981 |
| 1903-04 | 50 | 3,394 | 26,674 | 84,672 | 1953-54 | 109 | 10,152 | 193,082 | 447,838 |
| 1904-05 | 51 | 3,457 | 27,461 | 82,527 | 1954-55 | 114 | 11,121 | 257,657 | 596,832 |

PUBLIC HOSPITALS (a), VICTORIA - continued

| Year | Number of hospitals (a) | Number of beds | Patients treated | | Year | Number of hospitals (a) | Number of beds | Patients treated | |
|---------|-------------------------|----------------|------------------|-------------|---------|-------------------------|----------------|------------------|-------------|
| | | | Inpatients | Outpatients | | | | Inpatients | Outpatients |
| 1955-56 | 121 | 11,350 | 220,890 | 512,468 | 1972-73 | 147 | 14,243 | 419,976 | 1,116,442 |
| 1956-57 | 126 | 11,695 | 233,787 | 523,803 | 1973-74 | 147 | 14,285 | 417,646 | 1,244,610 |
| 1957-58 | 129 | 11,871 | 244,402 | 539,903 | 1974-75 | 147 | 14,474 | 432,613 | 1,356,169 |
| 1958-59 | 133 | 12,002 | 258,480 | 564,747 | 1975-76 | 148 | 14,109 | 455,670 | 1,642,596 |
| 1959-60 | 136 | 12,298 | 260,026 | 563,693 | 1976-77 | 149 | 14,411 | 467,216 | 1,747,849 |
| | | | | | 1977-78 | 149 | 14,192 | 484,849 | 1,812,586 |
| 1960-61 | 138 | 12,579 | 270,840 | 581,023 | 1978-79 | 149 | 13,993 | 500,788 | 2,004,382 |
| 1961-62 | 140 | 12,658 | 283,399 | 617,906 | 1979-80 | 149 | 13,887 | 503,434 | 2,064,730 |
| 1962-63 | 142 | 12,862 | 290,143 | 658,006 | | | | | |
| 1963-64 | 144 | 12,939 | 304,254 | 716,860 | 1980-81 | 150 | 13,879 | 528,703 | 2,166,211 |
| 1964-65 | 146 | 12,998 | 310,802 | 767,532 | 1981-82 | 148 | 13,746 | 522,388 | 2,033,771 |
| 1965-66 | 147 | 13,083 | 319,817 | 809,192 | 1982-83 | 167 | 14,589 | 541,021 | 2,034,503 |
| 1966-67 | 147 | 13,147 | 328,789 | 805,454 | 1983-84 | 165 | 14,290 | 537,988 | 1,988,355 |
| 1967-68 | 147 | 13,301 | 339,999 | 826,446 | 1984-85 | 164 | 14,265 | 525,815(b) | 4,495,095 |
| 1968-69 | 148 | 13,379 | 354,060 | 868,093 | 1985-86 | 165 (c) | 13,283 | 530,357 | 4,651,262 |
| 1969-70 | 147 | 13,664 | 365,257 | 910,233 | 1986-87 | (d)165 | 13,208 | 527,545 | 4,713,212 |
| | | | | | 1987-88 | 157 | 13,437 | 586,762 | 5,119,734 |
| 1970-71 | 148 | 13,865 | 381,786 | 949,271 | 1988-89 | 155 | 13,388 | 616,406 | 5,321,920 |
| 1971-72 | 147 | 14,103 | 406,034 | 1,018,363 | 1989-90 | 154 | 13,362 | 636,597 | 5,258,005 |

(a) This table provides data relating to general hospitals, special hospitals (those that have accommodation for specific cases only or for women and/or children exclusively and the Cancer Institute which was established in 1949), sanatoria, auxiliary hospitals, convalescent hospitals, and hospitals for the aged. The table excludes mental hospitals, psychiatric and informal hospitals, (except those hospitals recognised as acute care hospitals under the medicare agreement), intellectual deficiency training centres and schools, founding homes and hospitals, bush nursing centres, and convalescent homes. Also excluded are hospitals operated by the Department of Veteran's Affairs and other Commonwealth authorities.

(b) From 1984-85 the number represents outpatient attendances. The outpatient attendance for 1983-84 was 4,719,606.

(c) From 1985-86 the number of beds represents the average number over the year which were staffed and available.

(d) Subsequently affected by amalgamations, closures and inclusion of psychiatric hospitals recognised as acute care hospitals under the medicare agreement.

NOTE: The following factors should be considered when interpreting data from 1948-49 onwards:

i) All years cover a full twelve month period, with the exception of 1948-49 (9 months) and 1954-55 (15 months).

ii) The source of data is the Health Department of Victoria or its predecessors.

iii) Figures for most years in the 1950s are slightly understated due to the failure of some hospitals to submit statistical returns.

AGRICULTURE

Commencing with 1986-87, the scope of the Agricultural Census was changed to include only establishments with an Estimated Value of Agricultural Operations (EVAO) of \$20,000 or more. The scope of previous censuses was establishments undertaking agricultural activity having an EVAO of \$2,500 or more. To assist users in gauging the degree of change, data for 1985-86 have been tabulated on both bases.

**NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY AND LAND
UTILISATION, VICTORIA**

| Year ended 31 March | Number of establishments with agricultural activity | Area utilised for - | | | | Balance of estab- lishments hectares | Total area occupied hectares |
|---------------------------|--|---------------------|----------|---------------------|-------------------|---|---------------------------------------|
| | | Crops (a) | Fallow | Sown pasture (b) | Native pasture | | |
| | | hectares | hectares | hectares | hectares | hectares | hectares |
| 1836-37 | | 20 | | | | | |
| 1837-38 | | - | | | | | |
| 1838-39 | | 61 | | | | | |
| 1839-40 | | 837 | | | | | |
| 1840-41 | | 1,299 | | | | | |
| 1841-42 | | 1,975 | | | | | |
| 1842-43 | | 3,288 | | | | | |
| 1843-44 | | 4,886 | | | | | |
| 1844-45 | | 6,689 | | | | | |
| 1845-46 | | 10,171 | | | | | |
| 1846-47 | | 12,779 | | | | | |
| 1847-48 | | 14,686 | | | | | |
| 1848-49 | | 16,300 | | | | | |
| 1849-50 | | 18,605 | | | | | |
| 1850-51 | | 21,182 | | | | | |
| 1851-52 | | 23,258 | | | | | |
| 1852-53 | | 14,881 | | | | | |
| 1853-54 | | 14,090 | | | | | |
| 1854-55 | | 22,219 | | | | | |
| 1855-56 | 4,326 | 46,594 | | 31 | | | |
| 1856-57 | 7,523 | 72,837 | | 43 | | | 620,120 |
| 1857-58 | 10,259 | 96,206 | | 178 | | | 855,156 |
| 1858-59 | 11,573 | 120,985 | 2,428 | 1,053 | | | 1,019,468 |
| 1859-60 | 13,175 | 145,172 | 4,543 | 2,373 | | | 1,220,374 |
| 1860-61 | 13,653 | 156,728 | 8,279 | 4,711 | | | 1,423,294 |
| 1861-62 | 14,960 | 166,086 | 6,813 | 5,121 | | | 1,655,483 |
| 1862-63 | 16,416 | 171,424 | 7,423 | 9,506 | | | 1,910,948 |
| 1863-64 | 17,679 | 183,364 | 8,991 | 13,143 | | | 2,247,841 |
| 1864-65 | 18,355 | 168,410 | 10,679 | 14,943 | | | 2,478,784 |
| 1865-66 | 20,063 | 181,378 | 13,372 | 19,813 | | | 2,745,886 |
| 1866-67 | 22,698 | 203,737 | 12,545 | 23,662 | | | 2,983,863 |
| 1867-68 | 25,828 | 215,959 | 13,538 | 25,493 | | | 3,281,382 |
| 1868-69 | 29,218 | 234,138 | 22,904 | 31,444 | | | 3,595,309 |
| 1869-70 | 30,214 | 275,554 | 19,980 | 39,358 | | | 3,581,263 |
| 1870-71 | 31,842 | 280,383 | 28,001 | 59,482 | | | 3,856,916 |
| 1871-72 | 33,720 | 289,081 | 32,207 | 57,992 | | | 4,087,603 |
| 1872-73 | 34,569 | 279,091 | 30,595 | 80,063 | | | 4,334,893 |
| 1873-74 | 36,602 | 285,855 | 27,110 | 77,556 | | | 4,651,277 |
| 1874-75 | 38,468 | 281,589 | 31,530 | 96,333 | | | 4,963,302 |
| 1875-76 | 40,852 | 298,059 | 39,308 | 118,645 | | | 5,295,006 |
| 1876-77 | 43,057 | 329,089 | 34,058 | 135,064 | | | 5,606,926 |
| 1877-78 | 45,448 | 415,422 | 30,625 | 128,810 | | | 5,992,156 |
| 1878-79 | 47,050 | 458,192 | 39,525 | 153,535 | | | 6,435,075 |
| 1879-80 | 48,969 | 494,382 | 66,836 | 122,004 | | | 6,726,246 |

**NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY AND LAND
UTILISATION, VICTORIA - *continued***

| Year ended 31 March | Number of establishments with agricultural activity | Area utilised for - | | | | Balance of estab- lishments hectares | Total area occupied hectares |
|---------------------------|--|---------------------|-----------|---------------------|-------------------|---|---------------------------------------|
| | | Crops (a) | Fallow | Sown pasture (b) | Native pasture | | |
| | | | | | | | |
| 1880-81 | 49,637 | 626,781 | 78,566 | 103,193 | | | 7,341,459 |
| 1881-82 | - | 582,210 | 58,407 | 96,607 | | | |
| 1882-83 | 33,952 | 646,271 | 64,467 | 115,192 | | | |
| 1883-84 | 37,146 | 712,010 | 70,661 | 114,082 | | | |
| 1884-85 | 38,139 | 733,790 | 74,137 | 132,358 | | | |
| 1885-86 | 38,384 | 755,749 | 85,167 | 132,417 | | | |
| 1886-87 | 38,216 | 754,134 | 112,147 | 111,811 | | | |
| 1887-88 | 37,615 | 831,227 | 147,449 | 63,959 | | | |
| 1888-89 | 35,727 | 828,469 | 134,593 | 74,853 | | | |
| 1889-90 | 36,497 | 849,009 | 153,660 | 60,548 | | | |
| 1890-91 | 36,013 | 822,304 | 156,036 | 95,199 | | | |
| 1891-92 | 35,945 | 856,884 | 159,927 | 70,813 | | | |
| 1892-93 | 35,223 | 907,815 | 199,811 | 94,338 | | | |
| 1893-94 | 34,549 | 945,964 | 185,013 | 90,773 | | | |
| 1894-95 | 34,249 | 984,595 | 140,126 | 81,365 | | | |
| 1895-96 | 33,684 | 976,602 | 117,775 | 72,945 | | | |
| 1896-97 | 34,354 | 1,078,001 | 105,874 | 69,842 | | | |
| 1897-98 | 34,990 | 1,110,879 | 161,686 | 46,838 | | | |
| 1898-99 | 39,877 | 1,299,254 | 209,321 | 60,766 | | | |
| 1899-1900 | 40,160 | 1,278,529 | 206,084 | 61,492 | | | |
| 1900-01 | 39,381 | 1,260,246 | 243,973 | 84,133 | | | |
| 1901-02 | 43,625 | 1,200,170 | 275,906 | 65,945 | | | |
| 1902-03 | 43,768 | 1,313,841 | 199,229 | 228,905 | | | |
| 1903-04 | 49,002 | 1,371,509 | 255,972 | 389,577 | 10,559,454 | | 12,576,513 |
| 1904-05 | 52,598 | 1,344,280 | 345,533 | 385,886 | 9,884,129 | 1,063,393 | 13,023,220 |
| 1905-06 | 54,275 | 1,303,074 | 424,886 | 421,009 | 10,519,086 | 1,301,110 | 13,969,164 |
| 1906-07 | 56,411 | 1,336,915 | 401,030 | 443,391 | 10,820,191 | 1,287,676 | 14,289,203 |
| 1907-08 | 57,798 | 1,308,157 | 361,911 | 443,322 | 11,540,741 | 1,446,077 | 15,100,207 |
| 1908-09 | 59,357 | 1,400,926 | 418,616 | 416,710 | 11,691,670 | 1,379,599 | 15,307,521 |
| 1909-10 | 61,811 | 1,480,558 | 475,810 | 400,101 | 11,776,714 | 1,279,516 | 15,412,699 |
| 1910-11 | 66,651 | 1,599,347 | 580,391 | 401,123 | 11,752,267 | 936,809 | 15,269,937 |
| 1911-12 | 66,849 | 1,473,155 | 594,730 | 421,591 | 11,382,315 | 1,531,728 | 15,403,517 |
| 1912-13 | 68,703 | 1,650,858 | 658,514 | 439,224 | 11,163,676 | 1,149,653 | 15,061,926 |
| 1913-14 | 70,535 | 1,777,106 | 703,576 | 442,956 | 11,287,214 | 1,097,472 | 15,308,323 |
| 1914-15 | 71,828 | 1,870,766 | 544,928 | 486,485 | 11,646,716 | 952,225 | 15,501,120 |
| 1915-16 | 73,004 | 2,311,269 | 549,702 | 478,742 | 11,136,503 | 998,949 | 15,475,165 |
| 1916-17 | 73,610 | 1,963,267 | 768,725 | 523,185 | 11,237,644 | 832,043 | 15,324,864 |
| 1917-18 | 74,024 | 1,663,351 | 676,930 | 513,267 | 11,385,676 | 901,114 | 15,140,338 |
| 1918-19 | 74,330 | 1,595,636 | 626,503 | 513,746 | 11,710,519 | 985,946 | 15,432,350 |
| 1919-20 | 75,340 | 1,619,074 | 549,376 | 429,875 | 12,313,951 | 887,043 | 15,799,319 |
| 1920-21 | 77,148 | 1,816,839 | 783,370 | 425,442 | 11,586,595 | 971,653 | 15,583,899 |
| 1921-22 | 79,655 | 1,833,354 | 830,806 | 417,678 | 11,351,057 | 928,266 | 15,361,161 |
| 1922-23 | 80,523 | 1,967,805 | 885,000 | 387,468 | 11,203,199 | 910,416 | 15,353,889 |
| 1923-24 | 80,386 | 1,894,798 | 928,470 | 414,638 | 11,068,154 | 940,643 | 15,246,702 |
| 1924-25 | 80,037 | 1,926,869 | 896,489 | 382,161 | 10,695,263 | 994,182 | 14,894,964 |
| 1925-26 | 78,167 | 1,794,172 | 994,369 | 377,682 | 10,495,396 | 1,124,812 | 14,786,430 |
| 1926-27 | 77,180 | 1,916,258 | 1,039,647 | 385,358 | 10,259,805 | 1,231,840 | 14,832,908 |
| 1927-28 | 75,774 | 2,000,063 | 1,089,433 | 406,917 | 10,348,263 | 1,464,442 | 15,309,117 |
| 1928-29 | 74,912 | 2,228,060 | 1,085,960 | 467,298 | 10,128,013 | 1,618,796 | 15,528,126 |
| 1929-30 | 74,161 | 2,257,848 | 1,004,699 | 461,810 | 10,217,035 | 1,573,590 | 15,514,981 |

**NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY AND LAND
UTILISATION, VICTORIA - *continued***

| Year ended 31 March | Number of establishments with agricultural activity | Area utilised for - | | | | Balance of estab- lishments hectares | Total area occupied hectares |
|---------------------------|--|---------------------|-----------|---------------------|-------------------|---|---------------------------------------|
| | | Crops (a) | Fallow | Sown pasture (b) | Native pasture | | |
| | | hectares | hectares | hectares | hectares | | |
| 1930-31 | 74,537 | 2,717,734 | 1,048,391 | 499,630 | 9,511,034 | 1,522,777 | 15,299,565 |
| 1931-32 | 74,996 | 2,188,181 | 868,383 | 571,759 | 10,030,369 | 1,426,401 | 15,085,093 |
| 1932-33 | 75,392 | 2,070,270 | 1,065,654 | 612,930 | 10,088,676 | 1,420,872 | 15,258,403 |
| 1933-34 | 75,386 | 2,131,446 | 1,029,134 | 655,943 | 10,236,633 | 1,639,765 | 15,692,921 |
| 1934-35 | 74,473 | 1,892,993 | 896,972 | 772,725 | 10,333,184 | 1,830,699 | 15,726,573 |
| 1935-36 | 73,772 | 1,796,304 | 954,564 | 911,572 | 10,316,400 | 1,856,097 | 15,834,937 |
| 1936-37 | 72,845 | 1,783,577 | 1,004,901 | 998,315 | 10,620,422 | 1,709,986 | 16,117,202 |
| 1937-38 | 72,792 | 1,886,789 | 1,054,027 | 1,139,503 | 10,356,031 | 1,908,165 | 16,344,516 |
| 1938-39 | 72,452 | 2,031,240 | 1,029,208 | 1,248,002 | 10,396,988 | 1,801,991 | 16,507,429 |
| 1939-40 | 72,557 | 2,024,386 | 962,103 | 1,400,291 | 10,199,641 | 1,865,371 | 16,451,791 |
| 1940-41 | 72,382 | 1,807,810 | 763,812 | 1,464,694 | 10,851,711 | 1,839,426 | 16,727,453 |
| 1941-42 | 72,027 | 1,914,858 | 850,391 | 1,541,835 | 10,468,426 | 1,934,785 | 16,710,294 |
| 1942-43 | 71,489 | 1,553,353 | 671,848 | (c) | (c) | (c) | 16,606,090 |
| 1943-44 | 70,961 | 1,407,858 | 695,802 | 1,553,556 | 11,125,268 | 1,920,964 | 16,703,448 |
| 1944-45 | 70,856 | 1,744,258 | 685,577 | 1,458,503 | 10,714,862 | 1,920,235 | 16,523,436 |
| 1945-46 | 70,652 | 2,155,812 | 968,831 | 1,596,182 | 9,842,257 | 1,854,058 | 16,399,141 |
| 1946-47 | 70,750 | 2,065,105 | 995,669 | 1,648,903 | 9,681,912 | 1,818,354 | 16,209,943 |
| 1947-48 | 70,910 | 2,032,798 | 1,022,765 | 2,100,045 | 9,154,514 | 1,612,087 | 15,922,210 |
| 1948-49 | 71,049 | 1,879,702 | 948,456 | 2,353,634 | 9,025,410 | 1,521,848 | 15,729,051 |
| 1949-50 | 70,486 | 1,813,075 | 983,342 | 3,164,716 | 6,884,458 | 2,671,009 | 15,516,599 |
| 1950-51 | 69,698 | 1,760,878 | 871,536 | 2,890,658 | 8,332,936 | 1,565,948 | 15,421,956 |
| 1951-52 | 69,298 | 1,728,216 | 820,284 | 2,750,554 | 8,538,666 | 1,514,269 | 15,351,990 |
| 1952-53 | 69,353 | 1,734,391 | 928,710 | 2,855,340 | 7,944,191 | 1,862,129 | 15,324,762 |
| 1953-54 | 69,392 | 1,812,818 | 925,553 | 3,019,535 | 7,484,270 | 1,952,060 | 15,194,237 |
| 1954-55 | 69,551 | 1,778,373 | 888,768 | 3,300,277 | 7,340,946 | 1,994,268 | 15,302,631 |
| 1955-56 | 69,528 | 1,838,123 | 802,388 | 3,499,480 | 7,230,810 | 1,948,844 | 15,319,644 |
| 1956-57 | 69,509 | 1,471,985 | 760,734 | 3,768,431 | 7,293,996 | 1,944,823 | 15,239,970 |
| 1957-58 | 69,590 | 1,639,484 | 665,613 | 3,952,292 | 7,136,829 | 1,911,693 | 15,305,910 |
| 1958-59 | 69,770 | 1,938,846 | 885,134 | 3,804,527 | 6,646,280 | 2,004,307 | 15,279,093 |
| 1959-60 | 69,778 | 1,814,109 | 882,323 | 3,939,242 | 6,639,784 | 1,995,988 | 15,271,445 |
| 1960-61 | 69,623 | 1,823,002 | 897,508 | 4,065,886 | 6,435,670 | 2,129,421 | 15,351,488 |
| 1961-62 | 69,866 | 1,834,315 | 925,424 | 4,862,444 | 5,877,388 | 1,778,953 | 15,278,524 |
| 1962-63 | 69,700 | 2,038,276 | 1,020,357 | 5,110,882 | 5,647,412 | 1,443,313 | 15,260,240 |
| 1963-64 | 69,775 | 1,982,782 | 1,021,777 | 5,691,306 | 5,280,126 | 1,320,149 | 15,296,139 |
| 1964-65 | 69,737 | 2,031,313 | 1,005,411 | 6,001,327 | 5,045,500 | 1,231,522 | 15,315,073 |
| 1965-66 | 69,199 | 2,011,061 | 1,060,409 | 6,163,580 | 4,742,623 | 1,337,103 | 15,314,776 |
| 1966-67 | 68,466 | 2,081,500 | 1,113,493 | 6,522,066 | 4,697,625 | 1,227,620 | 15,642,305 |
| 1967-68 | 72,802 | 2,105,472 | 1,071,002 | 6,945,583 | 4,759,378 | 1,129,461 | 16,010,896 |
| 1968-69 | 71,056 | 2,491,442 | 1,103,673 | 7,285,443 | 4,018,681 | 956,980 | 15,856,219 |
| 1969-70 | 69,498 | 2,175,096 | 706,230 | 8,159,815 | 3,785,727 | 979,135 | 15,806,004 |
| 1970-71 | 68,555 | 1,698,536 | 930,910 | 8,679,487 | 3,590,595 | 860,777 | 15,760,305 |
| 1971-72 | 67,714 | 1,937,207 | 904,527 | 8,445,265 | (d) | 4,596,653 | 15,883,652 |
| 1972-73 | 66,890 | 1,925,984 | 803,518 | 6,456,131 | (d) | 6,585,790 | 15,771,423 |
| 1973-74 | 65,327 | 1,980,007 | (c) | 7,116,201 | 2,367,415 | 4,020,961 | 15,484,584 |
| 1974-75 | 62,926 | 1,775,306 | (c) | 6,978,276 | 2,639,361 | 3,833,233 | 15,226,176 |
| 1975-76 | 58,468 | 1,850,509 | (c) | 6,695,640 | 2,638,675 | 3,959,580 | 15,144,404 |
| 1976-77 | 48,994 | 1,948,004 | (c) | 6,548,831 | 2,620,846 | 3,381,084 | 14,498,765 |
| 1977-78 | 48,310 | 2,173,876 | (c) | 6,500,493 | 2,508,402 | 3,471,222 | 14,653,993 |
| 1978-79 | 48,855 | 2,214,935 | (c) | 6,616,540 | 2,353,142 | 3,255,912 | 14,440,529 |
| 1979-80 | 49,616 | 2,246,656 | (c) | 6,224,275 | 2,880,678 | 3,383,531 | 14,735,140 |

**NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY AND LAND
UTILISATION, VICTORIA - *continued***

| Year ended 31 March | Number of establishments with agricultural activity | Area utilised for - | | | | Balance of estab- lishments | Total area occupied |
|------------------------|--|---------------------|----------|---------------------|-------------------|-----------------------------------|---------------------------|
| | | Crops (a) | Fallow | Sown pasture (b) | Native pasture | | |
| | | hectares | hectares | hectares | hectares | hectares | hectares |
| 1980-81 | 49,399 | 2,183,811 | (c) | 6,194,508 | 2,615,994 | 3,671,517 | 14,665,830 |
| 1981-82 | 48,608 | 2,184,048 | (c) | 6,007,165 | 2,651,256 | 3,604,907 | 14,447,376 |
| 1982-83 | 47,862 | 2,233,735 | (c) | 5,598,282 | 3,109,132 | 3,247,932 | 14,189,081 |
| 1983-84 | 46,508 | 2,654,844 | (c) | 5,513,233 | 2,846,580 | 3,240,301 | 14,254,958 |
| 1984-85 | 45,884 | 2,568,594 | (c) | 5,657,241 | 2,630,763 | 3,337,879 | 14,194,477 |
| 1985-86 | 44,936 | 2,527,743 | (c) | 5,754,325 | 2,150,437 | 3,751,352 | 14,183,857 |
| 1985-86 | 32,981 | 2,476,590 | (c) | 5,355,608 | 1,913,289 | 3,406,499 | 13,151,986 |
| 1986-87 | 34,583 | 2,316,605 | (c) | 5,820,200 | 2,262,104 | 2,728,250 | 13,127,159 |
| 1987-88 | 32,688 | 2,158,720 | (c) | 5,969,540 | 2,023,797 | 2,933,483 | 13,085,540 |
| 1988-89 | 32,035 | 1,989,604 | (c) | 6,457,854 | 1,909,669 | 2,738,460 | 13,095,587 |
| 1989-90 | 33,306 | 1,989,352 | (c) | 6,503,860 | 1,863,198 | 2,705,715 | 13,062,125 |

(a) Commencing with season 1960-61 the area of pasture cut for hay or seed has been excluded from the area of crops.

(b) Includes oats, barley, and lucerne sown for grazing.

(c) Information not collected.

(d) Native pasture included in balance of establishment.

LIVESTOCK AND PASTORAL PRODUCTION, VICTORIA

| Year | Livestock | | | | Greasy wool production | Milk production for all purposes | Butter production (factory and farm) | Cheese production (factory and farm) |
|---------|-----------|---------|-----------|--------|------------------------------|---|---|---|
| | Horses | Cattle | Sheep | Pigs | (a) | | | |
| | | | | | '000 tonnes | '000 kilolitres | '000 tonnes | '000 tonnes |
| 1836-37 | 75 | 155 | 41,332 | | | | | |
| 1837-38 | | | | | | | | |
| 1838-39 | 524 | 13,272 | 310,946 | | | | | |
| 1839-40 | | | | | | | | |
| 1840-41 | 2,372 | 50,837 | 782,283 | | | | | |
| 1841-42 | | | | | | | | |
| 1842-43 | 4,065 | 100,792 | 1,404,333 | | | | | |
| 1843-44 | 6,278 | 167,156 | 1,602,798 | | | | | |
| 1844-45 | 7,076 | 187,873 | 1,860,912 | | | | | |
| 1845-46 | 9,289 | 231,602 | 1,792,527 | 3,986 | | | | |
| 1846-47 | 11,400 | 290,439 | 2,996,992 | 5,501 | | | | |
| 1847-48 | 13,292 | 322,824 | 4,164,203 | 5,015 | | | | |
| 1848-49 | 16,495 | 386,688 | 5,130,277 | 5,659 | | | | |
| 1849-50 | 16,733 | 346,562 | 5,318,046 | | | | | |
| 1850-51 | 21,219 | 378,806 | 6,032,783 | 9,260 | | | | |
| 1851-52 | 22,086 | 390,923 | 6,589,923 | 7,372 | | | | |
| 1852-53 | 34,021 | 431,380 | 6,551,506 | 8,996 | | | | |
| 1853-54 | 15,166 | 410,139 | 5,594,220 | | | | | |
| 1854-55 | 27,038 | 481,640 | 5,332,007 | 9,278 | | | | |
| 1855-56 | 33,430 | 534,113 | 4,577,872 | 20,686 | | | | |
| 1856-57 | 47,832 | 646,613 | 4,641,548 | 52,227 | | | | |
| 1857-58 | 55,683 | 614,537 | 4,766,022 | 43,632 | | | | |
| 1858-59 | 68,323 | 699,330 | 5,578,413 | 37,756 | | | | |
| 1859-60 | 69,288 | 683,534 | 5,794,127 | 50,965 | | | | |

LIVESTOCK AND PASTORAL PRODUCTION, VICTORIA - *continued*

| Year | Livestock | | | | Greasy wool production (a) | Milk production for all purposes | Butter production (factory and farm) | Cheese production (factory and farm) |
|-----------|------------|--------------|---------------|------------|-------------------------------------|---|---|---|
| | Horses | Cattle | Sheep | Pigs | | | | |
| | | | | | | | | |
| 1860-61 | 76,536 | 722,332 | 5,780,896 | 61,259 | 11 | | | |
| 1861-62 | 84,057 | 628,092 | 6,239,258 | 43,480 | 11 | | | |
| 1862-63 | 86,067 | 576,601 | 6,764,851 | 52,991 | 11 | | | |
| 1863-64 | 103,328 | 675,272 | 7,115,943 | 79,655 | 12 | | | |
| 1864-65 | 117,182 | 640,625 | 8,406,234 | 113,530 | 18 | | | |
| 1865-66 | 121,051 | 621,337 | 8,835,380 | 75,869 | 20 | | | |
| 1866-67 | 121,381 | 598,968 | 8,833,139 | 74,708 | 18 | | | |
| 1867-68 | 131,148 | 650,592 | 9,532,811 | 141,522 | 22 | | | |
| 1868-69 | 143,934 | 693,682 | 9,756,819 | 136,206 | 28 | | | |
| 1869-70 | 161,830 | 692,518 | 9,923,663 | 111,464 | 24 | | | |
| 1870-71 | 167,220 | 721,096 | 10,761,887 | 130,946 | 23 | | | |
| 1871-72 | 181,643 | 799,509 | 10,002,381 | 177,447 | 31 | | | |
| 1872-73 | 185,796 | 812,289 | 10,575,219 | 193,722 | 24 | | | |
| 1873-74 | 180,342 | 883,763 | 11,323,080 | 160,336 | 20 | | | |
| 1874-75 | 180,254 | 958,658 | 11,221,036 | 137,941 | 39 | | | |
| 1875-76 | 196,184 | 1,054,598 | 11,749,532 | 140,765 | 30 | | | |
| 1876-77 | 194,768 | 1,128,265 | 11,278,893 | 175,578 | 41 | | | |
| 1877-78 | 203,150 | 1,169,576 | 10,117,867 | 183,391 | 37 | | | |
| 1878-79 | 210,105 | 1,184,843 | 9,379,276 | 177,373 | 35 | | | |
| 1879-80 | 216,710 | 1,129,358 | 8,651,775 | 144,733 | 32 | | | |
| 1880-81 | 275,516 | 1,286,267 | 10,360,285 | 241,936 | 34 | | | |
| 1881-82 | 278,195 | 1,286,677 | 10,267,265 | 239,926 | 28 | | | |
| 1882-83 | 280,874 | 1,287,088 | 10,174,246 | 237,917 | 35 | | | |
| 1883-84 | 286,779 | 1,297,546 | 10,739,021 | 233,525 | 39 | | | |
| 1884-85 | 293,846 | 1,287,945 | 10,637,412 | 234,347 | 35 | | | |
| 1885-86 | 304,098 | 1,290,790 | 10,681,837 | 239,837 | 31 | | | |
| 1886-87 | 308,553 | 1,303,265 | 10,700,403 | 240,957 | 32 | | | |
| 1887-88 | 315,000 | 1,333,873 | 10,623,985 | 243,461 | 28 | | | |
| 1888-89 | 323,115 | 1,370,660 | 10,818,575 | 245,818 | 29 | | | |
| 1889-90 | 329,335 | 1,394,209 | 10,882,231 | 249,673 | 30 | | | |
| 1890-91 | 436,469 | 1,782,881 | 12,692,843 | 282,457 | 29 | | | |
| 1891-92 | 440,696 | 1,812,104 | 12,928,148 | 286,780 | 39 | | 8 | 2 |
| 1892-93 | 439,596 | 1,824,704 | 12,965,306 | 290,339 | 41 | 550 | 11 | 2 |
| 1893-94 | 436,903 | 1,817,291 | 13,098,725 | 328,162 | 33 | 569 | 13 | 2 |
| 1894-95 | 431,547 | 1,833,900 | 13,180,943 | 337,588 | 33 | 534 | 16 | 2 |
| 1895-96 | (b)424,995 | (b)1,795,314 | (b)12,791,084 | (b)339,718 | 40 | 584 | 18 | 2 |
| 1896-97 | (b)418,444 | (b)1,756,728 | (b)12,401,225 | (b)341,849 | 33 | 559 | 17 | 2 |
| 1897-98 | (b)411,892 | (b)1,718,142 | (b)12,011,367 | (b)343,979 | 36 | 535 | 16 | 2 |
| 1898-99 | (b)405,340 | (b)1,679,556 | (b)11,621,508 | (b)346,109 | 33 | 521 | 15 | 2 |
| 1899-1900 | (b)398,789 | (b)1,640,970 | (b)11,231,649 | (b)348,240 | 41 | 670 | 24 | 2 |
| 1900-01 | 392,237 | 1,602,384 | 10,841,790 | 350,370 | 41 | 721 | 25 | 2 |
| 1901-02 | (b)387,277 | (b)1,623,282 | (b)10,673,265 | (b)334,295 | 39 | 709 | 21 | 2 |
| 1902-03 | (b)382,317 | (b)1,644,180 | (b)10,504,741 | (b)318,220 | 36 | 636 | 18 | 2 |
| 1903-04 | (b)377,357 | (b)1,665,078 | (b)10,336,216 | (b)302,145 | 28 | 787 | 21 | 3 |
| 1904-05 | 372,397 | 1,685,976 | 10,167,691 | 286,070 | 39 | 797 | 28 | 2 |
| 1905-06 | 385,513 | 1,737,690 | 11,455,115 | 273,682 | 34 | 738 | 26 | 2 |
| 1906-07 | 406,840 | 1,804,323 | 12,937,440 | 220,452 | 36 | 669 | 31 | 2 |
| 1907-08 | 424,648 | 1,842,807 | 14,146,734 | 211,002 | 54 | 827 | 29 | 2 |
| 1908-09 | 424,903 | 1,574,162 | 12,545,742 | 179,358 | 43 | 673 | 22 | 2 |
| 1909-10 | 442,829 | 1,549,640 | 12,937,983 | 217,921 | 51 | 741 | 25 | 2 |

LIVESTOCK AND PASTORAL PRODUCTION, VICTORIA - *continued*

| Year | Livestock | | | | Greasy | Milk | Butter | Cheese |
|---------|-----------|-----------|------------|---------|-----------------|-----------------------------|-------------------------------|-------------------------------|
| | Horses | Cattle | Sheep | Pigs | wool production | production for all purposes | production (factory and farm) | production (factory and farm) |
| | | | | | (a) | | | |
| | | | | | '000 tonnes | '000 kilolitres | '000 tonnes | '000 tonnes |
| 1910-11 | 472,080 | 1,547,569 | 12,882,665 | 333,281 | 58 | 894 | 32 | 2 |
| 1911-12 | 507,813 | 1,647,127 | 13,857,804 | 348,069 | 61 | 1,083 | 39 | 2 |
| 1912-13 | 530,494 | 1,508,089 | 11,892,224 | 240,072 | 52 | 906 | 31 | 2 |
| 1913-14 | 562,331 | 1,528,553 | 12,113,682 | 221,277 | 60 | 986 | 33 | 2 |
| 1914-15 | 552,053 | 1,362,542 | 12,051,685 | 243,196 | 55 | 880 | 28 | 2 |
| 1915-16 | 493,779 | 1,043,604 | 10,545,632 | 192,002 | 49 | 646 | 19 | 2 |
| 1916-17 | 514,403 | 1,175,098 | 12,576,587 | 254,436 | 54 | 848 | 27 | 3 |
| 1917-18 | 514,061 | 1,371,049 | 14,760,013 | 323,159 | 59 | 908 | 29 | 2 |
| 1918-19 | 523,788 | 1,596,544 | 15,773,902 | 267,819 | 69 | 942 | 30 | 3 |
| 1919-20 | 513,500 | 1,631,120 | 14,422,745 | 186,810 | 72 | 895 | 27 | 4 |
| 1920-21 | 487,503 | 1,575,159 | 12,171,084 | 175,275 | 52 | 930 | 29 | 2 |
| 1921-22 | 496,124 | 1,750,369 | 12,325,818 | 230,770 | 58 | 1,115 | 38 | 3 |
| 1922-23 | 494,947 | 1,785,660 | 11,765,520 | 294,962 | 58 | 1,133 | 38 | 2 |
| 1923-24 | 486,075 | 1,591,367 | 11,059,761 | 259,795 | 49 | 1,186 | 39 | 3 |
| 1924-25 | 473,236 | 1,605,554 | 12,649,898 | 288,509 | 61 | 1,340 | 46 | 3 |
| 1925-26 | 463,051 | 1,513,787 | 13,740,500 | 339,601 | 63 | 1,160 | 37 | 2 |
| 1926-27 | 447,988 | 1,435,761 | 14,919,653 | 284,271 | 69 | 1,175 | 37 | 3 |
| 1927-28 | 428,666 | 1,327,077 | 15,557,067 | 212,785 | 67 | 1,185 | 38 | 3 |
| 1928-29 | 412,867 | 1,304,426 | 16,498,222 | 222,084 | 82 | 1,269 | 43 | 2 |
| 1929-30 | 393,015 | 1,335,242 | 17,427,203 | 265,978 | 73 | 1,246 | 41 | 3 |
| 1930-31 | 379,872 | 1,429,920 | 16,477,995 | 281,245 | 67 | 1,427 | 50 | 4 |
| 1931-32 | 375,459 | 1,637,530 | 16,376,217 | 286,780 | 72 | 1,650 | 60 | 4 |
| 1932-33 | 372,907 | 1,900,922 | 17,512,394 | 287,627 | 77 | 1,804 | 68 | 4 |
| 1933-34 | 361,005 | 2,002,235 | 17,195,969 | 240,530 | 73 | 1,677 | 61 | 4 |
| 1934-35 | 357,877 | 2,085,080 | 16,783,631 | 265,006 | 71 | 1,832 | 67 | 5 |
| 1935-36 | 356,106 | 2,091,246 | 17,457,291 | 314,301 | 74 | 1,817 | 67 | 5 |
| 1936-37 | 357,158 | 2,005,759 | 17,663,103 | 318,673 | 74 | 1,924 | 70 | 6 |
| 1937-38 | 359,106 | 1,880,429 | 18,863,467 | 285,259 | 81 | 1,856 | 64 | 7 |
| 1938-39 | 343,828 | 1,697,295 | 17,007,352 | 252,462 | 75 | 1,718 | 59 | 9 |
| 1939-40 | 326,217 | 1,787,597 | 18,251,870 | 297,655 | 81 | 2,077 | 75 | 11 |
| 1940-41 | 318,441 | 1,922,336 | 20,412,362 | 397,945 | 85 | 2,036 | 71 | 8 |
| 1941-42 | 302,401 | 1,986,544 | 20,598,201 | 285,227 | 97 | 1,949 | 64 | 10 |
| 1942-43 | 292,534 | 2,022,892 | 19,614,040 | 307,929 | 96 | 1,735 | 57 | 11 |
| 1943-44 | 277,662 | 2,013,033 | 19,220,457 | 337,878 | 89 | 1,639 | 51 | 12 |
| 1944-45 | 253,782 | 1,903,110 | 16,457,101 | 296,232 | 80 | 1,639 | 48 | 12 |
| 1945-46 | 232,473 | 1,827,087 | 14,655,277 | 271,887 | 69 | 1,708 | 52 | 15 |
| 1946-47 | 227,164 | 2,060,061 | 16,598,490 | 290,450 | 89 | 2,025 | 61 | 18 |
| 1947-48 | 221,454 | 2,174,203 | 17,931,173 | 271,492 | 91 | 1,948 | 58 | 16 |
| 1948-49 | 213,090 | 2,224,543 | 19,170,312 | 223,823 | 93 | 2,102 | 62 | 19 |
| 1949-50 | 200,143 | 2,230,948 | 19,161,043 | 212,901 | 102 | 2,133 | 66 | 22 |
| 1950-51 | 186,415 | 2,216,253 | 20,011,933 | 237,127 | 99 | 2,026 | 60 | 23 |
| 1951-52 | 169,246 | 2,214,530 | 21,537,229 | 213,670 | 102 | 2,031 | 61 | 23 |
| 1952-53 | 153,662 | 2,297,208 | 21,368,196 | 182,824 | 114 | 1,984 | 59 | 23 |
| 1953-54 | 140,818 | 2,370,184 | 21,438,007 | 232,384 | 101 | 2,156 | 65 | 26 |
| 1954-55 | 132,172 | 2,456,303 | 22,329,515 | 263,666 | 115 | 2,440 | 81 | 21 |
| 1955-56 | 118,705 | 2,616,587 | 23,343,212 | 227,223 | 124 | 2,625 | 93 | 14 |
| 1956-57 | 107,859 | 2,765,049 | 25,830,544 | 258,336 | 136 | 2,669 | 91 | 21 |
| 1957-58 | 98,067 | 2,749,611 | 27,090,469 | 278,628 | 135 | 2,571 | 88 | 15 |
| 1958-59 | 91,452 | 2,651,022 | 26,925,365 | 253,125 | 136 | 2,650 | 90 | 18 |
| 1959-60 | 81,225 | 2,624,019 | 26,596,613 | 284,505 | 147 | 2,720 | 91 | 20 |

LIVESTOCK AND PASTORAL PRODUCTION, VICTORIA - *continued*

| Year | Livestock | | | | Greasy | Milk | Butter | Cheese |
|---------|-----------|-----------|------------|---------|------------|------------|------------|------------|
| | Horses | Cattle | Sheep | Pigs | wool | production | production | production |
| | | | | | production | for all | (factory | (factory |
| | | | | | (a) | purposes | and farm) | and farm) |
| | | | | | '000 | '000 | '000 | '000 |
| | | | | | tonnes | kilolitres | tonnes | tonnes |
| 1960-61 | 64,462 | 2,863,799 | 26,619,849 | 318,523 | 146 | 2,713 | 91 | 20 |
| 1961-62 | 61,540 | 3,155,877 | 27,532,550 | 325,120 | 150 | 2,868 | 98 | 24 |
| 1962-63 | 58,172 | 3,225,196 | 27,471,730 | 297,791 | 144 | 3,035 | 103 | 26 |
| 1963-64 | 55,593 | 3,300,724 | 28,412,835 | 322,051 | 152 | 3,159 | 105 | 26 |
| 1964-65 | 55,843 | 3,316,407 | 30,437,154 | 378,055 | 164 | 3,391 | 113 | 28 |
| 1965-66 | | 3,396,984 | 30,968,459 | 383,509 | 166 | 3,414 | 114 | 26 |
| 1966-67 | 54,687 | 3,528,159 | 31,239,391 | 350,591 | 172 | 3,622 | 121 | 31 |
| 1967-68 | | 3,474,216 | 27,908,754 | 376,990 | 151 | 3,338 | 109 | 33 |
| 1968-69 | | 3,877,826 | 30,184,874 | 421,655 | 165 | 3,709 | 127 | 34 |
| 1969-70 | 53,082 | 4,462,391 | 33,156,930 | 495,128 | 196 | 4,057 | 142 | 34 |
| 1970-71 | | 5,060,711 | 33,761,487 | 519,779 | 195 | 4,087 | 136 | 36 |
| 1971-72 | | 5,456,589 | 29,495,847 | 589,992 | 201 | 3,973 | 131 | 39 |
| 1972-73 | | 5,464,467 | 24,105,497 | 585,227 | 172 | 3,945 | 128 | 49 |
| 1973-74 | | 5,839,690 | 25,787,551 | 424,248 | 155 | 3,917 | 128 | 48 |
| 1974-75 | | 6,192,417 | 26,409,930 | 383,144 | 166 | 3,745 | 119 | 45 |
| 1975-76 | | 5,868,435 | 25,395,140 | 392,834 | 138 | 3,518 | 108 | 52 |
| 1976-77 | 45,529 | 5,104,278 | 21,925,450 | 396,753 | 121 | 3,212 | 89 | 52 |
| 1977-78 | 51,561 | 4,572,412 | 22,021,356 | 401,197 | 130 | 2,898 | 90 | 64 |
| 1978-79 | 63,001 | 4,134,356 | 22,750,116 | 389,976 | 139 | 3,248 | 84 | 81 |
| 1979-80 | 66,241 | 4,252,272 | 24,400,065 | 421,735 | 147 | 3,155 | 69 | 95 |
| 1980-81 | 66,748 | 4,312,123 | 25,486,993 | 400,179 | 146 | 3,065 | 68 | 80 |
| 1981-82 | 63,689 | 4,121,248 | 25,340,923 | 406,253 | 148 | 3,028 | 66 | 94 |
| 1982-83 | 60,659 | 3,408,275 | 22,748,412 | 386,902 | 132 | 3,164 | 75 | 95 |
| 1983-84 | 56,480 | 3,487,000 | 24,632,399 | 404,085 | 142 | 3,425 | 94 | 91 |
| 1984-85 | 53,925 | 3,575,683 | 26,470,688 | 409,538 | 142 | 3,540 | 96 | 93 |
| 1985-86 | 50,765 | 3,719,705 | 26,892,261 | 431,680 | 141 | 3,575 | 91 | 97 |
| 1985-86 | 39,733 | 3,382,899 | 25,715,626 | 426,814 | 135 | .. | .. | .. |
| 1986-87 | 38,926 | 3,478,030 | 26,585,784 | 431,832 | 125 | 3,692 | 90 | 102 |
| 1987-88 | 40,646 | 3,473,528 | 26,997,009 | 437,161 | 128 | 3,649 | 82 | 103 |
| 1988-89 | 39,853 | 3,508,637 | 28,066,553 | 422,538 | 132 | 3,792 | 83 | 115 |
| 1989-90 | 41,000 | 3,646,000 | 29,268,000 | 428,000 | 143 | 3,787 | 91 | 103 |

(a) Includes dead and fellmongered wool and wool exported on skins.

(b) Estimated. Figures derived by interpolation.

WHEAT, OATS, AND BARLEY FOR GRAIN, VICTORIA

| Year ended 31 March - | Wheat | | | Oats | | | Barley | | |
|--------------------------|-------|------------|----------------------|-------|------------|----------------------|--------|------------|----------------------|
| | Area | Production | Yield per hectare | Area | Production | Yield per hectare | Area | Production | Yield per hectare |
| | | | | | | | | | |
| 1836-37 | 20 | - | - | - | - | - | - | - | - |
| 1837-38 | 20 | - | - | - | - | - | - | - | - |
| 1838-39 | 34 | - | - | 9 | - | - | - | - | - |
| 1839-40 | 527 | 343 | 0.65 | 102 | - | - | 65 | - | - |
| 1840-41 | 785 | 1,372 | 1.75 | 332 | 489 | 1.47 | 121 | 204 | 1.69 |
| 1841-42 | 689 | 1,302 | 1.89 | 520 | 677 | 1.30 | 143 | 213 | 1.49 |
| 1842-43 | 984 | 1,507 | 1.53 | 975 | 1,199 | 1.23 | 308 | 454 | 1.47 |
| 1843-44 | 1,892 | 2,832 | 1.50 | 1,036 | 1,284 | 1.24 | 430 | 571 | 1.33 |
| 1844-45 | 2,800 | 3,768 | 1.35 | 1,248 | 787 | 0.63 | 662 | 909 | 1.37 |
| 1845-46 | 4,640 | 6,388 | 1.38 | 1,949 | 1,295 | 0.66 | 303 | 891 | 2.94 |
| 1846-47 | 6,395 | 3,415 | 1.47 | 2,468 | 3,372 | 1.37 | 685 | 1,083 | 1.58 |

WHEAT, OATS, AND BARLEY FOR GRAIN, VICTORIA - *continued*

| Year ended 31 March - | Wheat | | | Oats | | | Barley | | |
|--------------------------|---------|------------|----------------------|---------|------------|----------------------|--------|------------|----------------------|
| | Area | Production | Yield per hectare | Area | Production | Yield per hectare | Area | Production | Yield per hectare |
| | | | | | | | | | |
| 1847-48 | 7,155 | 9,518 | 1.33 | 2,903 | 3,763 | 1.30 | 875 | 660 | 0.75 |
| 1848-49 | 7,846 | 11,164 | 1.42 | 3,354 | 1,431 | 0.43 | 1,044 | 826 | 0.79 |
| 1849-50 | 9,812 | 14,293 | 1.46 | 2,177 | 2,351 | 1.08 | 932 | 1,223 | 1.31 |
| 1850-51 | 11,538 | 15,136 | 1.31 | 2,027 | 1,806 | 0.89 | 851 | 910 | 1.07 |
| 1851-52 | 11,988 | 19,958 | 1.66 | 2,601 | 2,401 | 0.92 | 537 | 779 | 1.45 |
| 1852-53 | 6,808 | 13,573 | 1.99 | 1,193 | 1,760 | 1.48 | 166 | 214 | 1.29 |
| 1853-54 | 3,057 | 4,197 | 1.37 | 926 | 921 | 0.99 | 166 | 233 | 1.40 |
| 1854-55 | 5,191 | 6,806 | 1.31 | 2,161 | 2,372 | 1.10 | 280 | 325 | 1.16 |
| 1855-56 | 17,274 | 31,244 | 1.81 | 7,203 | 11,151 | 1.55 | 627 | 1,024 | 1.63 |
| 1856-57 | 32,438 | 50,587 | 1.56 | 10,127 | 11,642 | 1.15 | 904 | 1,577 | 1.74 |
| 1857-58 | 35,301 | 49,218 | 1.39 | 16,277 | 22,676 | 1.39 | 2,189 | 3,548 | 1.62 |
| 1858-59 | 31,660 | 42,541 | 1.34 | 31,374 | 39,197 | 1.25 | 2,154 | 2,622 | 1.22 |
| 1859-60 | 43,339 | 62,490 | 1.44 | 36,489 | 46,332 | 1.27 | 1,660 | 2,232 | 1.34 |
| 1860-61 | 65,256 | 94,163 | 1.44 | 34,939 | 47,785 | 1.37 | 1,669 | 1,902 | 1.14 |
| 1861-62 | 79,692 | 98,186 | 1.23 | 36,851 | 38,763 | 1.05 | 1,384 | 1,545 | 1.12 |
| 1862-63 | 65,563 | 81,878 | 1.25 | 43,785 | 45,437 | 1.04 | 2,764 | 3,244 | 1.17 |
| 1863-64 | 60,457 | 36,435 | 0.60 | 61,644 | 63,458 | 1.03 | 3,155 | 2,963 | 0.94 |
| 1864-65 | 50,602 | 51,693 | 1.02 | 58,397 | 48,887 | 0.84 | 3,095 | 2,832 | 0.92 |
| 1865-66 | 72,288 | 95,642 | 1.32 | 41,609 | 41,358 | 0.99 | 2,787 | 3,481 | 1.25 |
| 1866-67 | 84,413 | 126,313 | 1.50 | 52,319 | 70,405 | 1.35 | 4,012 | 6,786 | 1.69 |
| 1867-68 | 87,812 | 92,850 | 1.06 | 50,725 | 42,338 | 0.83 | 6,468 | 7,364 | 1.14 |
| 1868-69 | 105,139 | 115,101 | 1.09 | 46,513 | 40,978 | 0.88 | 7,779 | 6,638 | 0.85 |
| 1869-70 | 116,758 | 155,049 | 1.33 | 58,595 | 68,246 | 1.16 | 11,378 | 15,677 | 1.38 |
| 1870-71 | 114,998 | 78,120 | 0.68 | 60,423 | 40,588 | 0.67 | 7,950 | 5,462 | 0.69 |
| 1871-72 | 135,412 | 122,492 | 0.90 | 71,202 | 59,872 | 0.84 | 6,787 | 7,609 | 1.12 |
| 1872-73 | 132,156 | 146,722 | 1.11 | 50,790 | 44,529 | 0.88 | 8,600 | 10,052 | 1.17 |
| 1873-74 | 141,630 | 129,336 | 0.91 | 44,917 | 31,596 | 0.70 | 10,252 | 11,399 | 1.11 |
| 1874-75 | 134,735 | 132,000 | 0.98 | 46,507 | 38,494 | 0.83 | 11,940 | 14,059 | 1.18 |
| 1875-76 | 130,066 | 135,504 | 1.04 | 50,222 | 49,347 | 0.98 | 12,775 | 15,891 | 1.24 |
| 1876-77 | 162,448 | 143,691 | 0.88 | 46,623 | 41,626 | 0.89 | 10,131 | 12,028 | 1.19 |
| 1877-78 | 228,471 | 191,006 | 0.84 | 42,587 | 37,022 | 0.87 | 7,736 | 8,589 | 1.11 |
| 1878-79 | 279,890 | 164,946 | 0.59 | 54,401 | 42,928 | 0.79 | 9,256 | 9,461 | 1.02 |
| 1879-80 | 286,189 | 255,795 | 0.89 | 67,831 | 72,997 | 1.08 | 17,475 | 24,164 | 1.38 |
| 1880-81 | 395,494 | 264,736 | 0.67 | 54,264 | 42,863 | 0.79 | 27,774 | 24,241 | 0.87 |
| 1881-82 | 375,034 | 237,167 | 0.63 | 59,487 | 65,537 | 1.10 | 19,689 | 21,037 | 1.07 |
| 1882-83 | 392,287 | 238,176 | 0.61 | 68,753 | 80,667 | 1.17 | 17,693 | 17,202 | 0.97 |
| 1883-84 | 446,932 | 423,753 | 0.95 | 76,146 | 85,595 | 1.12 | 18,952 | 24,263 | 1.28 |
| 1884-85 | 443,679 | 283,944 | 0.64 | 75,964 | 79,700 | 1.05 | 25,201 | 24,549 | 0.97 |
| 1885-86 | 412,813 | 249,581 | 0.60 | 87,410 | 85,136 | 0.97 | 29,992 | 29,548 | 0.99 |
| 1886-87 | 426,007 | 329,309 | 0.77 | 75,176 | 77,221 | 1.03 | 14,986 | 18,775 | 1.25 |
| 1887-88 | 498,955 | 362,750 | 0.73 | 80,547 | 82,781 | 1.03 | 16,585 | 21,692 | 1.31 |
| 1888-89 | 492,580 | 235,352 | 0.48 | 79,933 | 50,871 | 0.64 | 33,784 | 25,660 | 0.76 |
| 1889-90 | 477,018 | 312,862 | 0.66 | 95,707 | 102,419 | 1.07 | 36,715 | 41,529 | 1.13 |
| 1890-91 | 463,431 | 347,034 | 0.75 | 89,455 | 89,255 | 1.00 | 35,512 | 35,643 | 1.00 |
| 1891-92 | 539,318 | 372,289 | 0.69 | 76,954 | 80,840 | 1.05 | 18,219 | 19,146 | 1.05 |
| 1892-93 | 543,293 | 403,189 | 0.74 | 71,890 | 83,004 | 1.15 | 15,189 | 17,559 | 1.16 |
| 1893-94 | 594,629 | 415,179 | 0.70 | 88,587 | 89,836 | 1.01 | 19,872 | 23,448 | 1.18 |
| 1894-95 | 555,904 | 311,506 | 0.56 | 107,826 | 102,209 | 0.95 | 39,400 | 36,207 | 0.92 |
| 1895-96 | 571,714 | 154,290 | 0.27 | 103,398 | 52,255 | 0.51 | 31,743 | 16,229 | 0.51 |
| 1896-97 | 639,652 | 192,986 | 0.30 | 169,750 | 123,685 | 0.73 | 25,241 | 18,498 | 0.73 |
| 1897-98 | 670,747 | 287,946 | 0.43 | 119,052 | 87,262 | 0.73 | 15,056 | 17,201 | 1.14 |
| 1898-99 | 871,760 | 532,916 | 0.61 | 107,711 | 100,215 | 0.93 | 19,368 | 25,233 | 1.30 |
| 1899-1900 | 876,426 | 414,709 | 0.47 | 109,783 | 110,968 | 1.01 | 32,202 | 33,250 | 1.03 |

WHEAT, OATS, AND BARLEY FOR GRAIN, VICTORIA - *continued*

| Year ended 31 March - | Wheat | | | Oats | | | Barley | | |
|--------------------------|-----------|------------|----------------------|---------|------------|----------------------|---------|------------|----------------------|
| | Area | Production | Yield per hectare | Area | Production | Yield per hectare | Area | Production | Yield per hectare |
| | | | | | | | | | |
| 1900-01 | 816,382 | 485,725 | 0.59 | 146,775 | 173,859 | 1.18 | 23,817 | 27,567 | 1.16 |
| 1901-02 | 709,988 | 330,053 | 0.46 | 133,202 | 122,014 | 0.92 | 13,121 | 15,736 | 1.20 |
| 1902-03 | 807,054 | 69,927 | 0.09 | 175,427 | 79,886 | 0.46 | 15,263 | 12,727 | 0.83 |
| 1903-04 | 796,664 | 776,339 | 0.97 | 175,487 | 243,760 | 1.39 | 19,328 | 28,643 | 1.48 |
| 1904-05 | 921,687 | 574,034 | 0.62 | 139,220 | 112,553 | 0.81 | 18,652 | 19,824 | 1.06 |
| 1905-06 | 837,909 | 637,325 | 0.76 | 126,283 | 131,223 | 1.04 | 16,567 | 24,089 | 1.45 |
| 1906-07 | 822,279 | 615,562 | 0.75 | 153,980 | 160,493 | 1.04 | 21,374 | 28,473 | 1.33 |
| 1907-08 | 747,504 | 329,329 | 0.44 | 161,368 | 94,373 | 0.58 | 25,525 | 24,024 | 0.94 |
| 1908-09 | 720,303 | 635,365 | 0.88 | 169,915 | 201,847 | 1.19 | 26,162 | 34,273 | 1.31 |
| 1909-10 | 848,692 | 783,266 | 0.92 | 155,491 | 143,579 | 0.92 | 23,716 | 23,210 | 0.98 |
| 1910-11 | 970,473 | 947,455 | 0.98 | 158,913 | 175,978 | 1.11 | 21,322 | 30,399 | 1.43 |
| 1911-12 | 875,767 | 568,584 | 0.65 | 122,311 | 83,195 | 0.68 | 21,667 | 23,237 | 1.07 |
| 1912-13 | 843,858 | 713,676 | 0.85 | 177,755 | 151,021 | 0.85 | 28,988 | 39,565 | 1.36 |
| 1913-14 | 1,038,368 | 896,378 | 0.86 | 178,895 | 161,303 | 0.90 | 33,731 | 41,116 | 1.22 |
| 1914-15 | 1,158,833 | 107,255 | 0.09 | 175,964 | 29,183 | 0.17 | 25,290 | 13,621 | 0.54 |
| 1915-16 | 1,489,233 | 1,592,700 | 1.07 | 143,231 | 169,260 | 1.18 | 24,848 | 39,338 | 1.58 |
| 1916-17 | 1,264,924 | 1,392,414 | 1.10 | 178,709 | 150,398 | 0.84 | 37,642 | 40,818 | 1.08 |
| 1917-18 | 1,088,693 | 1,027,048 | 0.94 | 118,660 | 111,426 | 0.94 | 34,370 | 44,696 | 1.30 |
| 1918-19 | 896,173 | 686,917 | 0.77 | 138,753 | 95,708 | 0.69 | 40,549 | 46,009 | 1.13 |
| 1919-20 | 776,297 | 404,379 | 0.52 | 226,441 | 119,804 | 0.53 | 34,529 | 34,669 | 1.00 |
| 1920-21 | 929,104 | 1,074,160 | 1.16 | 179,533 | 197,897 | 1.10 | 38,022 | 56,603 | 1.49 |
| 1921-22 | 1,056,715 | 1,193,881 | 1.13 | 128,966 | 110,355 | 0.86 | 40,520 | 52,985 | 1.31 |
| 1922-23 | 1,070,117 | 971,519 | 0.91 | 199,250 | 146,845 | 0.74 | 41,591 | 55,384 | 1.33 |
| 1923-24 | 993,147 | 1,028,631 | 1.04 | 210,701 | 169,937 | 0.81 | 22,891 | 33,009 | 1.44 |
| 1924-25 | 1,094,806 | 1,289,051 | 1.18 | 209,315 | 173,671 | 0.83 | 25,804 | 32,768 | 1.27 |
| 1925-26 | 1,017,176 | 796,205 | 0.78 | 177,129 | 90,685 | 0.51 | 41,843 | 40,255 | 0.96 |
| 1926-27 | 1,179,787 | 1,276,029 | 1.08 | 122,791 | 88,614 | 0.72 | 35,975 | 43,561 | 1.21 |
| 1927-28 | 1,240,028 | 711,981 | 0.57 | 214,238 | 84,962 | 0.40 | 31,067 | 35,201 | 1.13 |
| 1928-29 | 1,504,988 | 1,274,200 | 0.85 | 140,435 | 101,648 | 0.72 | 30,534 | 35,292 | 1.16 |
| 1929-30 | 1,443,165 | 691,618 | 0.48 | 255,047 | 91,781 | 0.36 | 39,529 | 49,517 | 1.25 |
| 1930-31 | 1,861,637 | 1,464,588 | 0.79 | 150,148 | 125,079 | 0.83 | 35,417 | 44,977 | 1.27 |
| 1931-32 | 1,443,058 | 1,141,852 | 0.79 | 177,910 | 117,032 | 0.66 | 26,863 | 28,501 | 1.06 |
| 1932-33 | 1,307,522 | 1,302,077 | 1.00 | 149,267 | 115,464 | 0.77 | 37,860 | 45,256 | 1.20 |
| 1933-34 | 1,235,478 | 1,159,739 | 0.94 | 212,855 | 122,992 | 0.58 | 43,034 | 42,841 | 1.00 |
| 1934-35 | 994,954 | 703,536 | 0.71 | 205,029 | 95,232 | 0.46 | 35,450 | 36,503 | 1.03 |
| 1935-36 | 940,390 | 1,022,000 | 1.09 | 204,619 | 115,486 | 0.56 | 47,094 | 52,490 | 1.11 |
| 1936-37 | 968,748 | 1,166,045 | 1.20 | 154,213 | 110,820 | 0.72 | 40,470 | 48,605 | 1.20 |
| 1937-38 | 1,087,010 | 1,311,060 | 1.21 | 159,623 | 96,655 | 0.61 | 56,566 | 61,428 | 1.09 |
| 1938-39 | 1,112,224 | 492,720 | 0.44 | 266,283 | 52,785 | 0.20 | 71,181 | 37,916 | 0.53 |
| 1939-40 | 1,144,216 | 1,226,185 | 1.07 | 177,882 | 150,241 | 0.84 | 82,653 | 84,779 | 1.03 |
| 1940-41 | 1,081,616 | 367,993 | 0.34 | 226,300 | 47,614 | 0.21 | 75,939 | 26,920 | 0.35 |
| 1941-42 | 1,115,752 | 1,277,875 | 1.15 | 170,754 | 147,858 | 0.87 | 82,669 | 108,682 | 1.31 |
| 1942-43 | 868,115 | 1,137,695 | 1.31 | 173,223 | 120,437 | 0.70 | 31,502 | 28,887 | 0.92 |
| 1943-44 | 725,775 | 537,053 | 0.74 | 172,520 | 67,222 | 0.39 | 33,694 | 24,452 | 0.73 |
| 1944-45 | 866,728 | 95,191 | 0.11 | 292,252 | 24,230 | 0.08 | 52,226 | 8,154 | 0.16 |
| 1945-46 | 1,315,793 | 806,499 | 0.61 | 206,990 | 134,296 | 0.65 | 54,281 | 39,548 | 0.73 |
| 1946-47 | 1,416,860 | 1,332,770 | 0.94 | 183,686 | 116,146 | 0.63 | 55,856 | 52,660 | 0.94 |
| 1947-48 | 1,305,987 | 1,278,107 | 0.98 | 263,094 | 279,067 | 1.06 | 66,445 | 81,120 | 1.22 |
| 1948-49 | 1,212,320 | 1,335,292 | 1.10 | 218,370 | 135,889 | 0.62 | 79,229 | 80,460 | 1.02 |
| 1949-50 | 1,144,562 | 1,563,093 | 1.37 | 195,540 | 158,182 | 0.81 | 95,556 | 110,590 | 1.16 |
| 1950-51 | 1,107,008 | 1,394,414 | 1.26 | 213,357 | 163,910 | 0.77 | 87,856 | 102,287 | 1.16 |
| 1951-52 | 996,974 | 1,251,772 | 1.26 | 273,771 | 202,325 | 0.74 | 75,362 | 82,091 | 1.09 |
| 1952-53 | 903,298 | 1,369,885 | 1.52 | 305,995 | 228,593 | 0.75 | 94,938 | 107,369 | 1.13 |
| 1953-54 | 966,918 | 1,461,410 | 1.51 | 235,962 | 178,746 | 0.76 | 151,577 | 179,897 | 1.19 |

WHEAT, OATS, AND BARLEY FOR GRAIN, VICTORIA - *continued*

| Year ended 31 March - | Wheat | | | Oats | | | Barley | | |
|--------------------------|-----------|------------|----------------------|---------|------------|----------------------|---------|------------|----------------------|
| | Area | Production | Yield per hectare | Area | Production | Yield per hectare | Area | Production | Yield per hectare |
| | | | | | | | | | |
| 1954-55 | 967,270 | 1,319,533 | 1.36 | 260,797 | 181,813 | 0.70 | 113,553 | 112,167 | 0.99 |
| 1955-56 | 866,599 | 1,118,098 | 1.29 | 352,509 | 269,581 | 0.76 | 125,093 | 155,964 | 1.25 |
| 1956-57 | 633,423 | 960,224 | 1.52 | 247,905 | 173,365 | 0.70 | 139,731 | 171,211 | 1.23 |
| 1957-58 | 742,535 | 874,551 | 1.18 | 251,814 | 172,867 | 0.69 | 142,346 | 123,536 | 0.87 |
| 1958-59 | 732,492 | 1,162,017 | 1.59 | 392,824 | 423,450 | 1.08 | 146,849 | 194,609 | 1.33 |
| 1959-60 | 914,886 | 1,055,762 | 1.15 | 272,354 | 230,443 | 0.85 | 112,341 | 126,843 | 1.13 |
| 1960-61 | 1,081,160 | 1,839,413 | 1.70 | 337,880 | 374,954 | 1.11 | 125,167 | 175,050 | 1.40 |
| 1961-62 | 1,152,862 | 1,547,976 | 1.34 | 313,390 | 295,953 | 0.94 | 91,253 | 105,561 | 1.16 |
| 1962-63 | 1,264,559 | 1,847,914 | 1.46 | 377,235 | 490,643 | 1.30 | 78,629 | 124,018 | 1.58 |
| 1963-64 | 1,258,187 | 2,076,607 | 1.65 | 368,290 | 360,784 | 0.98 | 76,946 | 21,297 | 1.19 |
| 1964-65 | 1,309,580 | 2,127,322 | 1.62 | 391,040 | 407,253 | 1.04 | 75,651 | 98,304 | 1.30 |
| 1965-66 | 1,244,046 | 1,649,027 | 1.33 | 390,806 | 322,660 | 0.83 | 77,812 | 72,975 | 0.94 |
| 1966-67 | 1,269,916 | 1,929,481 | 1.52 | 436,606 | 566,959 | 1.30 | 92,127 | 122,936 | 1.33 |
| 1967-68 | 1,304,659 | 770,668 | 0.59 | 292,559 | 124,454 | 0.43 | 123,434 | 61,433 | 0.50 |
| 1968-69 | 1,612,303 | 2,469,205 | 1.53 | 401,179 | 548,485 | 1.37 | 165,525 | 201,500 | 1.22 |
| 1969-70 | 1,334,757 | 2,273,692 | 1.70 | 357,601 | 470,412 | 1.32 | 196,930 | 257,927 | 1.31 |
| 1970-71 | 760,423 | 1,004,288 | 1.32 | 399,227 | 466,603 | 1.17 | 269,087 | 318,368 | 1.18 |
| 1971-72 | 1,040,169 | 1,797,280 | 1.73 | 329,477 | 449,423 | 1.36 | 295,812 | 390,858 | 1.32 |
| 1972-73 | 1,087,377 | 1,249,303 | 1.14 | 254,656 | 238,227 | 0.93 | 277,085 | 213,587 | 0.77 |
| 1973-74 | 1,257,938 | 1,405,367 | 1.11 | 271,155 | 232,740 | 0.85 | 221,804 | 285,358 | 1.28 |
| 1974-75 | 1,140,653 | 2,091,303 | 1.83 | 197,807 | 186,023 | 0.94 | 242,952 | 319,358 | 1.31 |
| 1975-76 | 1,073,130 | 1,578,505 | 1.47 | 281,730 | 337,165 | 1.19 | 344,306 | 444,600 | 1.29 |
| 1976-77 | 1,103,099 | 1,779,550 | 1.61 | 241,290 | 309,016 | 1.28 | 366,237 | 401,827 | 1.09 |
| 1977-78 | 1,270,263 | 1,496,693 | 1.17 | 228,378 | 268,546 | 1.17 | 418,407 | 358,632 | 0.85 |
| 1978-79 | 1,337,441 | 2,998,471 | 2.24 | 290,782 | 446,197 | 1.53 | 365,438 | 519,099 | 1.42 |
| 1979-80 | 1,456,901 | 3,249,550 | 2.23 | 255,737 | 390,300 | 1.52 | 325,356 | 494,106 | 1.51 |
| 1980-81 | 1,431,042 | 2,538,004 | 1.77 | 218,682 | 321,664 | 1.47 | 302,777 | 418,049 | 1.38 |
| 1981-82 | 1,321,674 | 2,466,794 | 1.87 | 245,148 | 305,997 | 1.25 | 314,909 | 459,426 | 1.46 |
| 1982-83 | 1,326,574 | 393,975 | 0.30 | 212,939 | 97,614 | 0.46 | 278,217 | 74,554 | 0.27 |
| 1983-84 | 1,613,929 | 3,971,328 | 2.46 | 323,706 | 494,824 | 1.53 | 403,439 | 758,362 | 1.88 |
| 1984-85 | 1,522,621 | 2,666,338 | 1.75 | 228,293 | 343,203 | 1.50 | 485,505 | 637,723 | 1.31 |
| 1985-86 | 1,508,077 | 2,250,379 | 1.49 | 211,543 | 300,025 | 1.42 | 388,631 | 475,814 | 1.22 |
| 1985-86 | 1,487,831 | 2,224,941 | 1.50 | 203,630 | 290,471 | 1.43 | 378,467 | 463,811 | 1.23 |
| 1986-87 | 1,363,605 | 2,794,559 | 2.05 | 214,766 | 355,875 | 1.66 | 265,362 | 443,852 | 1.67 |
| 1987-88 | 1,025,737 | 1,882,392 | 1.84 | 216,239 | 325,205 | 1.50 | 366,241 | 529,496 | 1.45 |
| 1988-89 | 930,923 | 1,691,363 | 1.82 | 188,922 | 276,081 | 1.46 | 349,608 | 544,833 | 1.56 |
| 1989-90 | 958,890 | 1,974,297 | 2.10 | 235,069 | 443,399 | 1.89 | 391,606 | 698,096 | 1.78 |

MAIZE FOR GRAIN, HAY, AND POTATOES, VICTORIA

| Year ended 31 March - | Maize for grain | | | Hay | | | Potatoes | | |
|--------------------------|-----------------|------------|----------------------|-------|------------|----------------------|----------|------------|--------------------------|
| | Area | Production | Yield per hectare | Area | Production | Yield per hectare | Area | Production | Yield per hectare (a) |
| | | | | | | | | | |
| 1838-39 | 8 | - | - | - | - | - | 8 | - | - |
| 1839-40 | 57 | - | - | - | - | - | 78 | - | - |
| 1840-41 | - | - | - | - | - | - | 61 | 305 | 5.00 |
| 1841-42 | 33 | 30 | 0.91 | 182 | 914 | 5.02 | 377 | 3,794 | 10.06 |
| 1842-43 | 28 | 35 | 1.25 | 344 | 2,337 | 6.79 | 574 | 6,092 | 10.61 |
| 1843-44 | 32 | - | - | 656 | 2,704 | 4.12 | 837 | 7,044 | 8.42 |
| 1844-45 | 43 | 84 | 1.95 | 718 | 6,563 | 9.14 | 1,006 | 12,617 | 12.54 |
| 1845-46 | 31 | 50 | 1.61 | 2,023 | 9,795 | 4.84 | 826 | 11,317 | 13.70 |

MAIZE FOR GRAIN, HAY, AND POTATOES, VICTORIA - *continued*

| Year ended 31 March - | Maize for grain | | | Hay | | | Potatoes | | |
|--------------------------|-----------------|------------|----------------------|----------|------------|----------------------|----------|------------|--------------------------|
| | Area | Production | Yield per hectare | Area | Production | Yield per hectare | Area | Production | Yield per hectare (a) |
| | hectares | tonnes | tonnes | hectares | tonnes | tonnes | hectares | tonnes | tonnes |
| 1846-47 | 49 | 85 | 1.73 | 1,840 | 9,452 | 5.14 | 866 | 9,169 | 10.59 |
| 1847-48 | 53 | 92 | 1.74 | 2,053 | 10,050 | 4.90 | 1,068 | 7,371 | 6.90 |
| 1848-49 | 60 | 100 | 1.67 | 2,389 | 10,796 | 4.52 | 1,043 | 12,180 | 11.68 |
| 1849-50 | 12 | 6 | 0.50 | 4,525 | 15,891 | 3.51 | 870 | 6,024 | 6.92 |
| 1850-51 | 10 | - | - | 5,490 | 21,308 | 3.88 | 1,148 | 5,703 | 4.97 |
| 1851-52 | 4 | 15 | 3.75 | 6,808 | 30,169 | 4.43 | 962 | 6,084 | 6.32 |
| 1852-53 | 0.4 | 2 | 5.00 | 5,706 | 21,629 | 3.79 | 800 | 4,584 | 5.73 |
| 1853-54 | 8 | 2 | 0.25 | 8,834 | 34,462 | 3.90 | 662 | 2,796 | 4.22 |
| 1854-55 | 15 | 10 | 0.67 | 12,753 | 54,488 | 4.27 | 1,334 | 8,518 | 6.39 |
| 1855-56 | 49 | 80 | 1.63 | 16,264 | 84,622 | 5.20 | 4,458 | 60,757 | 13.63 |
| 1856-57 | 132 | 211 | 1.60 | 21,038 | 82,453 | 3.92 | 6,589 | 37,487 | 5.69 |
| 1857-58 | 180 | 167 | 0.93 | 30,568 | 139,682 | 4.57 | 8,376 | 51,936 | 6.20 |
| 1858-59 | 194 | 246 | 1.27 | 34,869 | 115,365 | 3.31 | 12,151 | 110,208 | 9.07 |
| 1859-60 | 299 | 187 | 0.63 | 39,890 | 137,820 | 3.46 | 11,178 | 49,753 | 4.45 |
| 1860-61 | 668 | 636 | 0.95 | 36,794 | 146,526 | 3.98 | 10,053 | 78,498 | 7.81 |
| 1861-62 | 694 | 528 | 0.76 | 30,222 | 93,982 | 3.11 | 10,997 | 60,317 | 5.48 |
| 1862-63 | 506 | 501 | 0.99 | 41,132 | 112,456 | 2.73 | 10,045 | 51,409 | 5.12 |
| 1863-64 | 692 | 852 | 1.23 | 38,991 | 123,796 | 3.17 | 11,163 | 76,150 | 6.82 |
| 1864-65 | 242 | 101 | 0.42 | 34,457 | 99,300 | 2.88 | 12,615 | 60,788 | 4.82 |
| 1865-66 | 132 | 121 | 0.92 | 39,620 | 97,643 | 2.46 | 12,806 | 84,501 | 6.60 |
| 1866-67 | 658 | 699 | 1.06 | 37,422 | 163,831 | 4.38 | 13,113 | 90,307 | 6.89 |
| 1867-68 | 234 | 288 | 1.23 | 43,857 | 142,849 | 3.26 | 14,500 | 119,677 | 8.25 |
| 1868-69 | 349 | 433 | 1.24 | 45,439 | 124,771 | 2.75 | 14,651 | 81,227 | 5.54 |
| 1869-70 | 437 | 562 | 1.29 | 56,832 | 228,424 | 4.02 | 16,680 | 129,694 | 7.78 |
| 1870-71 | 410 | 509 | 1.24 | 66,037 | 186,657 | 2.83 | 15,793 | 129,627 | 8.21 |
| 1871-72 | 692 | 783 | 1.13 | 41,766 | 146,958 | 3.52 | 15,809 | 127,861 | 8.09 |
| 1872-73 | 773 | 958 | 1.24 | 49,119 | 162,531 | 3.31 | 15,587 | 135,132 | 8.67 |
| 1873-74 | 793 | 1,025 | 1.29 | 46,811 | 149,764 | 3.20 | 15,519 | 111,585 | 7.19 |
| 1874-75 | 616 | 616 | 1.00 | 48,170 | 159,785 | 3.32 | 14,238 | 126,305 | 8.87 |
| 1875-76 | 949 | 944 | 0.99 | 62,837 | 209,929 | 3.34 | 14,933 | 126,373 | 8.46 |
| 1876-77 | 651 | 658 | 1.01 | 59,654 | 183,458 | 3.08 | 16,370 | 136,234 | 8.32 |
| 1877-78 | 492 | 560 | 1.14 | 71,610 | 211,492 | 2.95 | 15,017 | 117,271 | 7.81 |
| 1878-79 | 785 | 1,035 | 1.32 | 69,929 | 212,383 | 3.04 | 14,782 | 100,546 | 6.80 |
| 1879-80 | 990 | 1,572 | 1.59 | 81,524 | 297,100 | 3.64 | 16,835 | 170,628 | 10.14 |
| 1880-81 | 716 | 1,252 | 1.75 | 101,032 | 305,405 | 3.02 | 18,596 | 131,337 | 7.06 |
| 1881-82 | 722 | 2,058 | 2.85 | 85,854 | 242,626 | 2.83 | 15,835 | 136,445 | 8.62 |
| 1882-83 | 1,093 | 3,343 | 3.06 | 125,203 | 332,640 | 2.66 | 13,867 | 131,685 | 9.50 |
| 1883-84 | 1,040 | 2,979 | 2.86 | 122,602 | 440,095 | 3.59 | 16,266 | 163,673 | 10.06 |
| 1884-85 | 1,560 | 4,480 | 2.87 | 137,482 | 377,001 | 2.74 | 15,687 | 163,705 | 10.44 |
| 1885-86 | 1,833 | 4,604 | 2.51 | 170,387 | 449,214 | 2.64 | 17,240 | 165,821 | 9.62 |
| 1886-87 | 1,983 | 5,879 | 2.96 | 180,146 | 490,802 | 2.72 | 20,224 | 173,400 | 8.57 |
| 1887-88 | 2,441 | 8,092 | 3.32 | 178,795 | 634,139 | 3.55 | 19,531 | 201,407 | 10.31 |
| 1888-89 | 2,343 | 6,786 | 2.90 | 166,460 | 313,062 | 1.88 | 17,431 | 133,254 | 7.64 |
| 1889-90 | 3,418 | 9,069 | 2.65 | 182,734 | 677,080 | 3.71 | 19,076 | 159,626 | 8.37 |
| 1890-91 | 4,191 | 14,582 | 3.48 | 167,156 | 576,892 | 3.45 | 21,779 | 207,432 | 9.52 |
| 1891-92 | 3,331 | 11,734 | 3.52 | 149,531 | 522,662 | 3.50 | 23,202 | 203,741 | 8.78 |
| 1892-93 | 2,698 | 9,479 | 3.51 | 207,461 | 751,927 | 3.62 | 16,428 | 144,912 | 8.82 |
| 1893-94 | 2,624 | 4,583 | 1.75 | 166,821 | 511,434 | 3.07 | 16,555 | 147,031 | 8.88 |
| 1894-95 | 2,297 | 7,482 | 3.26 | 199,339 | 631,523 | 3.17 | 22,817 | 199,863 | 8.76 |
| 1895-96 | 2,908 | 8,938 | 3.07 | 187,969 | 397,134 | 2.11 | 17,764 | 119,120 | 6.71 |
| 1896-97 | 3,946 | 14,378 | 3.64 | 168,619 | 456,263 | 2.71 | 17,617 | 148,907 | 8.45 |
| 1897-98 | 4,390 | 13,082 | 2.98 | 234,718 | 670,222 | 2.86 | 17,886 | 68,376 | 3.82 |
| 1898-99 | 4,309 | 14,912 | 3.46 | 228,787 | 734,908 | 3.21 | 16,694 | 163,728 | 9.81 |
| 1899-1900 | 4,467 | 15,872 | 3.55 | 182,185 | 605,762 | 3.32 | 22,448 | 176,164 | 7.85 |

MAIZE FOR GRAIN, HAY, AND POTATOES, VICTORIA - *continued*

| Year ended 31 March - | Maize for grain | | | Hay | | | Potatoes | | |
|--------------------------|-----------------|------------|----------------------|---------|------------|----------------------|----------|------------|--------------------------|
| | Area | Production | Yield per hectare | Area | Production | Yield per hectare | Area | Production | Yield per hectare (a) |
| | | | | | | | | | |
| 1900-01 | 3,800 | 15,347 | 4.04 | 203,195 | 688,635 | 3.39 | 15,571 | 125,102 | 8.03 |
| 1901-02 | 4,055 | 15,634 | 3.86 | 266,785 | 898,563 | 3.37 | 16,211 | 127,488 | 7.86 |
| 1902-03 | 4,414 | 19,064 | 4.32 | 235,076 | 610,922 | 2.60 | 20,115 | 171,468 | 8.52 |
| 1903-04 | 4,779 | 22,969 | 4.81 | 296,778 | 1,252,854 | 4.22 | 19,801 | 170,428 | 8.61 |
| 1904-05 | 4,611 | 15,844 | 3.44 | 183,104 | 522,571 | 2.85 | 18,985 | 94,363 | 4.97 |
| 1905-06 | 4,769 | 16,288 | 3.42 | 239,481 | 878,047 | 3.67 | 18,077 | 117,203 | 6.48 |
| 1906-07 | 4,678 | 17,907 | 3.83 | 251,366 | 895,420 | 3.56 | 22,408 | 169,517 | 7.57 |
| 1907-08 | 4,388 | 12,923 | 2.95 | 276,074 | 693,322 | 2.51 | 21,913 | 137,279 | 6.26 |
| 1908-09 | 5,667 | 16,523 | 2.92 | 387,030 | 1,438,469 | 3.72 | 19,386 | 155,293 | 8.01 |
| 1909-10 | 7,734 | 29,415 | 3.80 | 349,794 | 1,205,785 | 3.45 | 25,248 | 177,778 | 7.04 |
| 1910-11 | 8,155 | 24,947 | 3.06 | 336,969 | 1,313,153 | 3.90 | 25,456 | 165,933 | 6.52 |
| 1911-12 | 7,375 | 20,135 | 2.73 | 348,113 | 1,048,856 | 3.01 | 19,300 | 121,003 | 6.27 |
| 1912-13 | 8,088 | 18,169 | 2.25 | 487,132 | 1,598,179 | 3.28 | 19,253 | 194,179 | 10.09 |
| 1913-14 | 7,269 | 20,334 | 2.80 | 395,655 | 1,372,048 | 3.47 | 30,179 | 179,436 | 5.95 |
| 1914-15 | 7,864 | 25,869 | 3.29 | 362,500 | 578,088 | 1.59 | 26,505 | 192,262 | 7.25 |
| 1915-16 | 9,008 | 25,398 | 2.82 | 538,417 | 2,379,685 | 4.42 | 23,031 | 176,611 | 7.67 |
| 1916-17 | 9,339 | 29,779 | 3.19 | 363,079 | 1,252,506 | 3.45 | 29,792 | 191,009 | 6.41 |
| 1917-18 | 8,493 | 29,282 | 3.45 | 303,032 | 964,785 | 3.18 | 27,100 | 185,119 | 6.83 |
| 1918-19 | 9,129 | 18,078 | 1.98 | 398,405 | 1,131,738 | 2.84 | 20,890 | 139,740 | 6.69 |
| 1919-20 | 9,500 | 22,326 | 2.35 | 452,033 | 1,262,431 | 2.79 | 21,820 | 148,230 | 6.79 |
| 1920-21 | 9,773 | 27,075 | 2.77 | 539,607 | 2,016,711 | 3.74 | 25,369 | 174,383 | 6.87 |
| 1921-22 | 9,400 | 24,181 | 2.57 | 469,086 | 1,573,306 | 3.35 | 25,857 | 176,447 | 6.82 |
| 1922-23 | 10,460 | 22,351 | 2.14 | 510,474 | 1,691,814 | 3.31 | 24,986 | 150,735 | 6.03 |
| 1923-24 | 11,778 | 37,206 | 3.16 | 517,029 | 1,566,025 | 3.03 | 24,000 | 242,348 | 10.10 |
| 1924-25 | 9,359 | 22,658 | 2.42 | 453,375 | 1,516,544 | 3.35 | 24,805 | 141,275 | 5.70 |
| 1925-26 | 8,868 | 19,527 | 2.20 | 410,195 | 943,980 | 2.30 | 25,645 | 163,309 | 6.37 |
| 1926-27 | 8,112 | 17,410 | 2.15 | 437,463 | 1,410,248 | 3.22 | 26,784 | 165,524 | 6.18 |
| 1927-28 | 7,141 | 19,249 | 2.70 | 367,780 | 1,017,321 | 2.77 | 31,423 | 234,045 | 7.45 |
| 1928-29 | 6,506 | 17,268 | 2.65 | 406,735 | 1,287,779 | 3.17 | 27,685 | 142,408 | 5.14 |
| 1929-30 | 7,139 | 13,557 | 1.90 | 350,059 | 978,547 | 2.80 | 23,791 | 174,504 | 7.33 |
| 1930-31 | 6,567 | 17,600 | 2.68 | 516,945 | 1,631,675 | 3.16 | 27,353 | 176,123 | 6.44 |
| 1931-32 | 6,359 | 15,543 | 2.44 | 386,815 | 1,086,438 | 2.81 | 28,299 | 209,803 | 7.41 |
| 1932-33 | 6,647 | 12,120 | 1.82 | 422,704 | 1,408,274 | 3.33 | 28,240 | 185,400 | 6.57 |
| 1933-34 | 7,907 | 16,359 | 2.07 | 484,109 | 1,375,524 | 2.84 | 24,628 | 144,413 | 5.86 |
| 1934-35 | 7,579 | 18,273 | 2.41 | 510,532 | 1,487,765 | 2.91 | 21,940 | 111,084 | 5.06 |
| 1935-36 | 8,246 | 16,222 | 1.97 | 461,488 | 1,368,572 | 2.97 | 17,922 | 105,796 | 5.90 |
| 1936-37 | 8,140 | 20,181 | 2.48 | 478,182 | 1,425,568 | 2.98 | 18,465 | 199,779 | 10.82 |
| 1937-38 | 8,449 | 19,910 | 2.36 | 436,672 | 1,265,932 | 2.90 | 16,635 | 136,874 | 8.23 |
| 1938-39 | 7,481 | 10,582 | 1.41 | 446,999 | 907,307 | 2.03 | 13,920 | 82,722 | 5.94 |
| 1939-40 | 7,674 | 9,670 | 1.26 | 487,570 | 1,850,103 | 3.79 | 13,022 | 89,342 | 6.86 |
| 1940-41 | 6,225 | 17,856 | 2.87 | 272,335 | 589,550 | 2.16 | 17,885 | 220,044 | 12.30 |
| 1941-42 | 3,883 | 7,770 | 2.00 | 407,915 | 1,466,673 | 3.60 | 13,513 | 120,355 | 8.91 |
| 1942-43 | 2,886 | 6,892 | 2.39 | 319,213 | 1,066,961 | 3.34 | 20,945 | 198,270 | 9.47 |
| 1943-44 | 2,670 | 3,821 | 1.43 | 299,740 | 978,561 | 3.26 | 28,502 | 220,869 | 7.75 |
| 1944-45 | 1,839 | 4,200 | 2.28 | 365,020 | 715,549 | 1.96 | 33,685 | 310,115 | 9.21 |
| 1945-46 | 2,756 | 7,822 | 2.84 | 429,168 | 1,467,430 | 3.42 | 25,495 | 234,453 | 9.20 |
| 1946-47 | 3,281 | 9,066 | 2.76 | 274,291 | 1,001,037 | 3.65 | 22,824 | 227,374 | 9.96 |
| 1947-48 | 3,225 | 8,230 | 2.55 | 265,938 | 1,059,169 | 3.98 | 24,038 | 187,849 | 7.81 |
| 1948-49 | 2,614 | 6,602 | 2.53 | 239,307 | 948,973 | 3.97 | 18,529 | 168,771 | 9.11 |
| 1949-50 | 2,078 | 4,931 | 2.37 | 245,452 | 1,016,919 | 4.14 | 20,498 | 170,575 | 8.32 |
| 1950-51 | 1,655 | 4,742 | 2.87 | 225,594 | 908,943 | 4.03 | 21,239 | 141,628 | 6.67 |
| 1951-52 | 1,665 | 4,266 | 2.56 | 259,168 | 1,063,565 | 4.10 | 17,041 | 181,262 | 10.64 |
| 1952-53 | 2,094 | 5,167 | 2.47 | 304,701 | 1,265,203 | 4.15 | 21,388 | 135,285 | 6.33 |

MAIZE FOR GRAIN, HAY, AND POTATOES, VICTORIA - *continued*

| Year ended 31 March - | Maize for grain | | | Hay | | | Potatoes | | |
|--------------------------|-----------------|------------|----------------------|---------|------------|----------------------|----------|------------|--------------------------|
| | Area | Production | Yield per hectare | Area | Production | Yield per hectare | Area | Production | Yield per hectare (a) |
| | | | | | | | | | |
| 1953-54 | 2,272 | 7,571 | 3.33 | 326,672 | 1,382,501 | 4.23 | 21,345 | 217,144 | 10.17 |
| 1954-55 | 1,772 | 5,811 | 3.28 | 299,103 | 1,227,062 | 4.10 | 17,837 | 209,893 | 11.77 |
| 1955-56 | 1,431 | 4,466 | 3.12 | 355,836 | 1,550,489 | 4.36 | 14,981 | 165,859 | 11.07 |
| 1956-57 | 1,104 | 2,052 | 1.86 | 316,445 | 1,446,186 | 4.57 | 16,068 | 230,955 | 14.37 |
| 1957-58 | 1,731 | 6,141 | 3.55 | 352,465 | 1,436,084 | 4.07 | 20,172 | 255,190 | 12.65 |
| 1958-59 | 1,571 | 5,166 | 3.29 | 518,864 | 2,336,136 | 4.50 | 18,665 | 263,509 | 14.12 |
| 1959-60 | 1,369 | 4,584 | 3.35 | 342,991 | 1,372,687 | 4.00 | 19,630 | 246,441 | 12.55 |
| 1960-61 | 1,208 | 4,346 | 3.60 | 520,526 | 2,375,435 | 4.56 | 15,650 | 183,721 | 11.74 |
| 1961-62 | 1,339 | 4,871 | 3.64 | 373,133 | 1,610,602 | 4.32 | 14,758 | 199,178 | 13.50 |
| 1962-63 | 1,471 | 5,491 | 3.73 | 506,076 | 2,414,519 | 4.77 | 17,411 | 258,557 | 14.85 |
| 1963-64 | 1,376 | 5,167 | 3.76 | 460,729 | 1,978,587 | 4.29 | 16,036 | 203,600 | 12.70 |
| 1964-65 | 952 | 2,900 | 3.05 | 528,668 | 2,546,172 | 4.82 | 13,327 | 186,613 | 14.00 |
| 1965-66 | 681 | 2,578 | 3.79 | 465,529 | 1,902,893 | 4.09 | 13,894 | 244,651 | 17.61 |
| 1966-67 | 569 | 1,832 | 3.22 | 630,696 | 3,029,401 | 4.80 | 15,041 | 228,800 | 15.21 |
| 1967-68 | 371 | 812 | 2.19 | 471,545 | 1,581,443 | 3.35 | 16,321 | 219,407 | 13.44 |
| 1968-69 | 470 | 1,833 | 3.90 | 747,298 | 3,693,666 | 4.94 | 16,179 | 304,775 | 18.84 |
| 1969-70 | 463 | 1,827 | 3.95 | 485,606 | 2,500,451 | 5.15 | 16,092 | 284,040 | 17.65 |
| 1970-71 | 535 | 1,578 | 2.95 | 512,437 | 2,494,736 | 4.87 | 14,150 | 303,901 | 21.48 |
| 1971-72 | 375 | 1,919 | 5.12 | 636,408 | 3,001,701 | 4.72 | 13,986 | 306,707 | 21.93 |
| 1972-73 | 495 | 1,506 | 3.04 | 516,798 | 1,975,143 | 3.82 | 13,120 | 286,990 | 21.87 |
| 1973-74 | 654 | 1,890 | 2.89 | 625,726 | 2,967,388 | 4.74 | 12,474 | 254,021 | 20.36 |
| 1974-75 | 543 | 1,912 | 3.52 | 505,609 | 2,016,529 | 3.99 | 13,010 | 282,547 | 21.72 |
| 1975-76 | 526 | 2,515 | 4.78 | 487,554 | 1,858,060 | 3.81 | 10,940 | 244,467 | 22.35 |
| 1976-77 | 432 | 1,710 | 3.96 | 517,992 | 2,004,050 | 3.87 | 9,892 | 243,625 | 24.63 |
| 1977-78 | 505 | 1,848 | 3.66 | 380,091 | 1,251,562 | 3.29 | 12,147 | 303,433 | 24.98 |
| 1978-79 | 513 | 1,994 | 3.89 | 509,550 | 2,012,410 | 3.95 | 11,256 | 279,613 | 24.84 |
| 1979-80 | 575 | 2,850 | 4.96 | 411,812 | 1,615,035 | 3.92 | 13,077 | 333,614 | 25.51 |
| 1980-81 | 568 | 3,002 | 5.29 | 497,327 | 1,894,298 | 3.81 | 13,702 | 348,950 | 25.47 |
| 1981-82 | 476 | 2,357 | 4.95 | 556,335 | 1,982,371 | 3.56 | 13,668 | 354,197 | 25.91 |
| 1982-83 | 602 | 2,449 | 4.07 | 348,329 | 1,064,904 | 3.06 | 13,520 | 291,380 | 21.55 |
| 1983-84 | 860 | 5,023 | 5.84 | 717,592 | 3,031,995 | 4.23 | 13,497 | 362,379 | 26.85 |
| 1984-85 | 1,224 | 6,303 | 5.15 | 386,759 | 1,516,426 | 3.92 | 14,922 | 379,074 | 25.40 |
| 1985-86 | 1,091 | 5,048 | 4.63 | 425,182 | 1,648,310 | 3.88 | 14,192 | 366,971 | 25.86 |
| 1985-86 | 1,073 | 4,999 | 4.66 | 390,348 | 1,524,463 | 3.91 | 14,078 | 365,472 | 25.96 |
| 1986-87 | 637 | 3,207 | 5.03 | 483,382 | 1,932,324 | 4.00 | 13,195 | 364,319 | 27.61 |
| 1987-88 | 1,328 | 5,503 | 4.14 | 379,938 | 1,459,806 | 3.84 | 14,458 | 398,175 | 27.54 |
| 1988-89 | 250 | 1,445 | 5.78 | 485,530 | 1,922,512 | 3.96 | 13,020 | 368,307 | 28.29 |
| 1989-90 | 282 | 1,041 | 3.70 | 491,856 | 1,966,239 | 4.00 | 13,319 | 368,409 | 27.70 |

(a) Yield per hectare - planted.

MANUFACTURING

FACTORIES, VICTORIA

| Year | Manufacturing establishments | Employment | Wages and salaries paid | Value of - | | |
|------|------------------------------|------------|-------------------------|------------|------------|---------------------------------------|
| | | | | Output | Production | Land, buildings, plant, and machinery |
| | | | \$m | \$m | \$m | \$m |
| 1850 | 68 | | | | | |
| 1851 | 83 | | | | | |
| 1852 | 90 | | | | | |
| 1853 | 228 | | | | | |
| 1854 | 192 | | | | | |
| 1855 | 278 | | | | | |
| 1856 | 290 | | | | | |
| 1857 | 474 | | | | | |
| 1858 | 507 | | | | | |
| 1859 | 500 | | | | | |
| 1860 | 566 | 5,467 | | | | |
| 1861 | 531 | 4,395 | | | | |
| 1862 | 703 | 6,405 | | | | |
| 1863 | 823 | 7,369 | | | | |
| 1864 | 704 | 7,046 | | | | |
| 1865 | 900 | 10,059 | | | | 5 |
| 1866 | 983 | 11,488 | | | | 5 |
| 1867 | 1,104 | 14,230 | | | | 6 |
| 1868 | 1,316 | 16,770 | | | | 8 |
| 1869 | 1,530 | 18,941 | | | | 9 |
| 1870 | 1,579 | 17,758 | | | | 9 |
| 1871 | 1,740 | 19,569 | | | | 9 |
| 1872 | 1,770 | 21,591 | | | | 10 |
| 1873 | 1,803 | 24,495 | | | | 12 |
| 1874 | 2,104 | 28,036 | | | | 14 |
| 1875 | 2,241 | 29,821 | | | | 11 |
| 1876 | 2,302 | 31,478 | | | | 12 |
| 1877 | 2,370 | 32,688 | | | | 13 |
| 1878 | 2,343 | 33,278 | | | | 14 |
| 1879 | 2,239 | 33,247 | | | | 13 |
| 1880 | 2,468 | 38,178 | | 27 | | 15 |
| 1881 | 2,488 | 43,208 | | | | 16 |
| 1882 | 2,612 | 45,698 | | | | 17 |
| 1883 | 2,777 | 46,857 | | | | 19 |
| 1884 | 2,856 | 49,393 | | | | 20 |
| 1885 | 2,813 | 49,297 | | | | 22 |
| 1886 | 2,770 | 45,773 | | | | 22 |
| 1887 | 2,854 | 49,084 | | | | 25 |
| 1888 | 2,975 | 54,488 | | | | 30 |
| 1889 | 3,137 | 57,432 | | | | 31 |
| 1890 | 3,104 | 56,369 | | 45 | | 31 |
| 1891 | 3,141 | 52,225 | | | | 30 |
| 1892 | 2,952 | 43,200 | | | | 27 |
| 1893 | 2,677 | 39,473 | | | | 24 |
| 1894 | 2,632 | 41,000 | | | | 23 |
| 1895 | 2,804 | 46,095 | | | | 24 |
| 1896 | 2,810 | 50,448 | | | | 24 |
| 1897 | 2,760 | 52,701 | | | | 24 |
| 1898 | 2,869 | 54,778 | | | | 24 |

FACTORIES, VICTORIA - continued

| Year | Manufacturing establishments | Employment | Wages and salaries paid | Value of - | | |
|---------|------------------------------|------------|-------------------------|------------|------------|---------------------------------------|
| | | | | Output | Production | Land, buildings, plant, and machinery |
| | | | \$m | \$m | \$m | \$m |
| 1899 | 3,027 | 60,070 | | | | 24 |
| 1900 | 3,097 | 64,207 | | 39 | | 24 |
| 1901 | 3,249 | 66,529 | | | | 25 |
| 1902 | 4,003 | 73,063 | | | | 27 |
| 1903 | 4,151 | 73,229 | 9 | | | 26 |
| 1904 | 4,208 | 76,287 | 10 | 46 | | 27 |
| 1905 | 4,264 | 80,235 | 10 | 50 | | 28 |
| 1906 | 4,360 | 85,229 | 11 | 56 | | 29 |
| 1907 | 4,530 | 90,903 | 12 | 61 | | 30 |
| 1908 | 4,608 | 93,808 | 13 | 62 | | 31 |
| 1909 | 4,755 | 97,355 | 14 | 66 | | 32 |
| 1910 | 4,873 | 102,176 | 15 | 73 | | 33 |
| 1911 | 5,126 | 111,948 | 18 | 83 | | 37 |
| 1912 | 5,263 | 116,108 | 20 | 91 | | 39 |
| 1913 | 5,613 | 118,744 | 21 | 96 | | 42 |
| 1914 | 5,650 | 118,399 | 22 | 99 | | 44 |
| 1915 | 5,413 | 113,834 | 22 | 103 | | 45 |
| 1916-17 | 5,445 | 116,970 | 24 | 120 | | 48 |
| 1917-18 | 5,627 | 118,241 | 25 | 134 | | 51 |
| 1918-19 | 5,720 | 122,349 | 28 | 160 | | 55 |
| 1919-20 | 6,038 | 136,522 | 35 | 203 | | 62 |
| 1920-21 | 6,532 | 140,743 | 43 | 212 | 74 | 71 |
| 1921-22 | 6,762 | 144,876 | 48 | 212 | 84 | 82 |
| 1922-23 | 7,096 | 152,625 | 51 | 223 | 90 | 93 |
| 1923-24 | 7,289 | 156,162 | 55 | 228 | 95 | 106 |
| 1924-25 | 7,425 | 154,158 | 55 | 236 | 97 | 122 |
| 1925-26 | 7,461 | 152,959 | 55 | 240 | 96 | 121 |
| 1926-27 | 7,690 | 161,639 | 60 | 255 | 105 | 128 |
| 1927-28 | 8,245 | 160,357 | 60 | 257 | 108 | 135 |
| 1928-29 | 8,197 | 156,568 | 59 | 256 | 106 | 140 |
| 1929-30 | 8,195 | 151,009 | 57 | 246 | 103 | 144 |
| 1930-31 | 8,199 | 126,016 | 43 | 187 | 79 | 142 |
| 1931-32 | 8,204 | 128,265 | 39 | 187 | 76 | 137 |
| 1932-33 | 8,612 | 144,428 | 42 | 204 | 82 | 136 |
| 1933-34 | 8,896 | 156,334 | 46 | 217 | 88 | 138 |
| 1934-35 | 9,100 | 169,691 | 51 | 234 | 98 | 141 |
| 1935-36 | 9,160 | 183,390 | 57 | 268 | 108 | 144 |
| 1936-37 | 9,165 | 191,383 | 62 | 285 | 117 | 150 |
| 1937-38 | 9,241 | 201,789 | 790 | 314 | 130 | 154 |
| 1938-39 | 9,250 | 201,831 | 72 | 306 | 132 | 161 |
| 1939-40 | 9,215 | 212,461 | 79 | 349 | 148 | 169 |
| 1940-41 | 9,121 | 237,636 | 100 | 419 | 178 | 184 |
| 1941-42 | 8,918 | 258,400 | 129 | 515 | 222 | 196 |
| 1942-43 | 8,738 | 262,357 | 146 | 555 | 243 | 209 |
| 1943-44 | 9,317 | 261,299 | 148 | 569 | 247 | 221 |
| 1944-45 | 9,669 | 257,633 | 141 | 575 | 245 | 233 |
| 1945-46 | 10,195 | 256,249 | 141 | 574 | 241 | 238 |
| 1946-47 | 10,949 | 265,757 | 156 | 631 | 263 | 244 |
| 1947-48 | 11,642 | 278,271 | 188 | 755 | 317 | 264 |
| 1948-49 | 12,702 | 292,006 | 225 | 894 | 366 | 299 |
| 1949-50 | 13,231 | 303,476 | 261 | 1,053 | 438 | 354 |

FACTORIES, VICTORIA - continued

| Year | Manufacturing establishments | Employment | Wages and salaries paid | Value of - | | |
|---------|------------------------------|------------|-------------------------|-----------------|--------------------|---|
| | | | | Output | Production | Land, buildings, plant, and machinery |
| | | | \$m | \$m | \$m | \$m |
| 1950-51 | 13,504 | 316,792 | 326 | 1,350 | 551 | 415 |
| 1951-52 | 14,758 | 324,143 | 405 | 1,668 | 669 | 497 |
| 1952-53 | 15,154 | 310,759 | 422 | 1,720 | 716 | 565 |
| 1953-54 | 15,533 | 331,277 | 472 | 1,971 | 817 | 679 |
| 1954-55 | 15,861 | 346,648 | 526 | 2,201 | 904 | 825 |
| 1955-56 | 16,053 | 355,185 | 573 | 2,403 | 984 | 931 |
| 1956-57 | 16,232 | 355,204 | 593 | 2,552 | 1,056 | 1,067 |
| 1957-58 | 16,426 | 357,143 | 621 | 2,760 | 1,137 | 1,160 |
| 1958-59 | 16,527 | 362,979 | 649 | 2,866 | 1,218 | 1,294 |
| 1959-60 | 16,979 | 381,514 | 741 | 3,251 | 1,384 | 1,466 |
| 1960-61 | 17,173 | 387,430 | 776 | 3,332 | 1,418 | 1,642 |
| 1961-62 | 17,300 | 377,745 | 770 | 3,374 | 1,441 | 1,828 |
| 1962-63 | 17,501 | 397,156 | 839 | 3,707 | 1,602 | 1,957 |
| 1963-64 | 17,597 | 413,120 | 912 | 4,055 | 1,750 | 2,062 |
| 1964-65 | 17,925 | 432,389 | 1,028 | 4,501 | 1,950 | 2,234 |
| 1965-66 | 17,980 | 439,149 | 1,077 | 4,625 | 2,028 | 2,387 |
| 1966-67 | 18,054 | 445,557 | 1,168 | 5,050 | 2,236 | 2,617 |
| 1967-68 | 18,030 | 449,949 | 1,244 | 5,351 | 2,395 | 2,685 |
| | | | | | | <i>Fixed capital expenditure less disposals (\$m)</i> |
| | | | | <i>Turnover</i> | <i>Value added</i> | |
| 1968-69 | 11,563 | 431,651 | 1,342 | 6,336 | 2,542 | 278 |
| 1969-70 | 11,393 | 445,663 | 1,497 | 6,998 | 2,799 | 300 |
| 1970-71 | - | - | - | - | - | - |
| 1971-72 | 11,408 | 450,206 | 1,800 | 8,055 | 3,328 | 374 |
| 1972-73 | 11,735 | 455,029 | 2,045 | 9,078 | 3,738 | 438 |
| 1973-74 | 12,070 | 469,838 | 2,524 | 10,669 | 4,546 | 418 |
| 1974-75 | (a) 8,924 | 432,851 | 2,961 | 11,730 | 5,131 | 455 |
| | (b) 2,834 | 5,727 | 17 | 100 | 48 | 2 |
| 1975-76 | 8,873 | 417,107 | 3,287 | 13,220 | 5,765 | 462 |
| 1976-77 | 8,735 | 409,196 | 3,650 | 15,040 | 6,629 | 495 |
| 1977-78 | 8,571 | 396,722 | 3,831 | 16,175 | 6,905 | 653 |
| 1978-79 | 8,546 | 394,964 | 4,102 | 18,228 | 7,377 | 742 |
| 1979-80 | 8,902 | 397,313 | 4,563 | 21,233 | 8,505 | 735 |
| 1980-81 | 8,726 | 391,489 | 5,032 | 23,855 | 9,440 | 712 |
| 1981-82 | 8,916 | 392,737 | 5,757 | 27,208 | 10,688 | 1,046 |
| 1982-83 | 8,393 | 362,742 | 5,945 | 27,747 | 10,649 | 998 |
| 1983-84 | 8,404 | 353,248 | 6,058 | 30,081 | 11,779 | 779 |
| 1984-85 | 8,499 | 356,687 | 6,551 | 33,436 | 13,154 | 1,035 |
| 1985-86 | .. | .. | .. | .. | .. | .. |
| 1986-87 | 9,109 | 357,147 | 7,449 | 39,982 | 15,627 | n.a. |
| 1987-88 | 9,856 | 367,391 | 8,297 | 45,550 | n.a. | n.a. |
| 1988-89 | 9,771 | 367,376 | 8,885 | 51,680 | n.a. | n.a. |
| 1989-90 | 9,679 | 338,886 | 9,100 | 52,219 | n.y.a. | n.y.a. |

(a) All manufacturing establishment owned by multi-establishment enterprises and single establishment manufacturing enterprises with four or more persons employed. 1975-76 and later figures do not include data for single establishment enterprises with less than four persons employed.

(b) Single establishment manufacturing enterprises with less than four persons employed.

NOTE:

This series of factory statistics has not always been compiled on the same basis. The definition of the unit classified, the industrial classification of manufacturing establishments, and the content of the returns have all changed during the period covered by the table.

A June-July financial year was adopted in respect of 1916-17 (previously a calendar year was used). Undoubtedly, within the very broad headings of various industrial classifications, differences in administrative practices and coverage were also responsible for minor differences. Revisions, when introduced, could not always be carried through statistics for earlier years.

Returns were first collected through municipal authorities and for the period 1902 to 1954 by the Victorian Police under the supervision of the Government Statist. Between 1955 and 1958 dispatch and receipt of returns by mail was progressively introduced and the involvement of the Police ceased.

As foreshadowed above, the series can be regarded as divisible into a number of series of varying time spans rather than as a continuous series. Between 1902 and 1967-68 the definition of the unit treated was unchanged. However, a number of changes took place in the classification of the units during that period.

In 1968-69 the first of the integrated economic censuses was conducted of manufacturing, mining, electricity and gas, wholesale, and retail establishments. The integration of these economic censuses meant, that for the first time, they were being conducted on the basis of a common framework of reporting units and data concepts and in accordance with a standard industrial classification. For details see *Victorian Year Book* 1971, pages 368-89.

No Census of Manufacturing Establishments was conducted for the years ending 30 June 1971 and 1986.

From the 1975-76 Census of Manufacturing Establishments onwards, only a limited range of data (employment and wages and salaries) was collected from single establishment manufacturing enterprises with less than four persons employed. This procedure has significantly reduced the statistical reporting obligations of small businesses.

Further steps to reduce respondent burden were taken for the 1986-87 Manufacturing Census when single establishment enterprises with fewer than 20 employees were made subject to sampling. Those enterprises selected in the sample provided detailed information of employment, wages and salaries, turnover, stocks, expenses and goods produced. The balance of establishments provided less detailed information for employment, wages and salaries, turnover and goods produced.

MINING

MINERAL PRODUCTION, VICTORIA

| Year | Gold | | Black coal | | Brown coal | | Net value of total mining and quarrying production \$'000 |
|------|-----------|-----------|------------|-----------|------------|-----------|---|
| | Quantity | Value (a) | Quantity | Value (a) | Quantity | Value (a) | |
| | gross oz | \$'000 | tonnes | \$'000 | tonnes | \$'000 | |
| 1851 | 212,899 | 1,703 | | | | | |
| 1852 | 2,286,535 | 18,292 | | | | | |
| 1853 | 2,744,098 | 21,953 | | | | | |
| 1854 | 2,218,483 | 17,748 | | | | | |
| 1855 | 2,819,288 | 22,554 | | | | | |
| 1856 | 3,053,744 | 24,430 | | | | | |
| 1857 | 2,830,213 | 22,642 | | | | | |
| 1858 | 2,596,231 | 20,770 | 2,145 | 4 | | | |
| 1859 | 2,348,703 | 18,790 | | | | | |
| 1860 | 2,224,069 | 17,793 | | | | | |
| 1861 | 2,035,173 | 16,281 | | | | | |
| 1862 | 1,730,201 | 13,842 | | | | | |
| 1863 | 1,694,819 | 13,559 | | | | | |
| 1864 | 1,622,447 | 12,980 | | | | | |
| 1865 | 1,611,554 | 12,892 | 200 | - | | | |
| 1866 | 1,546,948 | 12,373 | | | | | |
| 1867 | 1,501,446 | 12,012 | | | | | |
| 1868 | 1,684,918 | 13,479 | | | | | |
| 1869 | 1,544,756 | 12,358 | | | | | |
| 1870 | 1,304,304 | 10,434 | 102 | - | | | |
| 1871 | 1,368,942 | 10,950 | | | | | |
| 1872 | 1,331,377 | 10,651 | 10 | - | | | |
| 1873 | 1,170,397 | 9,363 | 512 | 1 | | | |
| 1874 | 1,097,643 | 8,781 | 2,956 | 6 | | | |
| 1875 | 1,068,417 | 8,547 | | | | | |
| 1876 | 963,760 | 7,710 | 1,113 | 2 | | | |
| 1877 | 809,653 | 6,477 | 2,459 | 5 | | | |
| 1878 | 758,040 | 6,064 | | | | | |
| 1879 | 758,947 | 6,072 | | | | | |
| 1880 | 829,121 | 6,633 | | | | | |
| 1881 | 833,378 | 6,667 | | | | | |
| 1882 | 864,600 | 6,917 | | | | | |
| 1883 | 780,253 | 6,242 | | | | | |
| 1884 | 778,618 | 6,229 | 3,333 | 7 | | | |
| 1885 | 735,218 | 5,882 | | | | | |
| 1886 | 665,196 | 5,322 | 87 | - | | | |
| 1887 | 617,751 | 4,942 | 3,411 | 8 | | | |
| 1888 | 625,026 | 5,000 | 8,711 | 14 | | | |
| 1889 | 614,838 | 4,919 | 14,830 | 22 | | | |
| 1890 | 588,560 | 4,708 | 14,835 | 28 | 9,477 | 5 | |
| 1891 | 576,399 | 4,611 | 23,200 | 39 | | | |
| 1892 | 654,456 | 5,236 | 23,738 | 40 | | | |
| 1893 | 671,126 | 5,369 | 93,198 | 98 | | | |
| 1894 | 716,954 | 5,736 | 174,415 | 190 | | | |
| 1895 | 740,086 | 5,921 | 197,344 | 237 | | | |
| 1896 | 805,087 | 6,441 | 230,198 | 226 | | | |
| 1897 | 812,766 | 6,502 | 240,069 | 217 | | | |
| 1898 | 837,257 | 6,699 | 246,758 | 206 | | | |
| 1899 | 854,500 | 6,836 | 266,591 | 227 | | | |
| 1900 | 807,407 | 6,459 | 214,992 | 203 | | | |

MINERAL PRODUCTION, VICTORIA - *continued*

| Year | Gold | | Black coal | | Brown coal | | Net value of total mining and quarrying production \$'000 |
|------|----------|-----------|------------|-----------|------------|-----------|---|
| | Quantity | Value (a) | Quantity | Value (a) | Quantity | Value (a) | |
| | fine oz | '000 | tonnes | '000 | tonnes | '000 | |
| 1901 | 730,453 | 6,206 | 212,689 | 294 | | | |
| 1902 | 720,866 | 6,124 | 228,778 | 312 | | | |
| 1903 | 767,297 | 6,519 | 65,230 | 82 | | | |
| 1904 | 765,600 | 6,504 | 123,695 | 140 | | | |
| 1905 | 747,166 | 6,347 | 157,625 | 158 | | | |
| 1906 | 772,290 | 6,561 | 163,209 | 161 | | | |
| 1907 | 695,576 | 5,909 | 140,808 | 159 | | | |
| 1908 | 671,208 | 5,702 | 115,283 | 159 | | | |
| 1909 | 654,222 | 5,558 | 130,230 | 154 | | | |
| 1910 | 570,383 | 4,845 | 374,982 | 378 | 457 | 1 | |
| 1911 | 504,000 | 4,278 | 664,359 | 598 | | | |
| 1912 | 480,131 | 4,079 | 598,599 | 517 | | | |
| 1913 | 434,932 | 3,695 | 603,444 | 549 | | | |
| 1914 | 413,218 | 3,510 | 627,447 | 577 | | | |
| 1915 | 329,068 | 2,796 | 597,543 | 550 | 2,910 | 1 | |
| 1916 | 256,643 | 2,180 | 423,879 | 432 | 2,962 | 1 | |
| 1917 | 201,872 | 1,715 | 473,703 | 671 | 39,772 | 21 | |
| 1918 | 158,827 | 1,349 | 446,630 | 699 | 67,263 | 36 | |
| 1919 | 35,428 | 1,151 | 430,749 | 744 | 113,420 | 69 | |
| 1920 | 152,792 | 1,298 | 449,339 | 929 | 165,293 | 128 | |
| 1921 | 104,512 | 88 | 523,122 | 1,207 | 84,496 | 62 | |
| 1922 | 106,872 | 908 | 568,261 | 1,329 | 91,853 | 63 | |
| 1923 | 95,403 | 810 | 484,476 | 1,051 | 118,764 | 76 | |
| 1924 | 67,167 | 571 | 526,634 | 1,139 | 129,536 | 82 | |
| 1925 | 47,296 | 402 | 542,821 | 1,192 | 884,439 | 326 | |
| 1926 | 49,078 | 417 | 600,487 | 1,316 | 973,310 | 378 | |
| 1927 | 38,538 | 327 | 695,227 | 1,525 | 1,478,842 | 440 | |
| 1828 | 33,917 | 288 | 668,889 | 1,462 | 1,617,407 | 405 | |
| 1929 | 26,275 | 223 | 715,124 | 1,627 | 1,769,122 | 356 | 3,402 |
| 1930 | 24,119 | 205 | 714,778 | 1,618 | 1,860,903 | 347 | 3,480 |
| 1931 | 43,637 | 513 | 580,512 | 724 | 2,229,674 | 494 | 2,825 |
| 1932 | 47,745 | 712 | 439,292 | 551 | 2,654,443 | 544 | 2,189 |
| 1933 | 58,183 | 908 | 531,394 | 658 | 2,621,470 | 624 | 2,388 |
| 1934 | 70,196 | 1,208 | 262,687 | 431 | 2,659,545 | 524 | 2,762 |
| 1935 | 87,609 | 1,546 | 484,143 | 870 | 2,257,170 | 635 | 2,919 |
| 1936 | 117,596 | 1,986 | 433,574 | 781 | 3,093,768 | 646 | 3,587 |
| 1937 | 145,799 | 2,552 | 262,085 | 508 | 3,448,391 | 652 | 3,187 |
| 1938 | 144,243 | 2,563 | 312,189 | 573 | 3,734,441 | 703 | 3,453 |
| 1939 | 156,522 | 3,078 | 370,752 | 520 | 3,709,613 | 772 | 3,485 |
| 1940 | 180,567 | 3,848 | 271,990 | 461 | 4,347,145 | 783 | 4,222 |
| 1941 | 149,769 | 3,201 | 331,680 | 608 | 4,638,916 | 846 | 5,019 |
| 1942 | 101,497 | 2,122 | 317,875 | 822 | 5,013,049 | 939 | 4,427 |
| 1943 | 56,511 | 1,181 | 291,708 | 859 | 5,173,451 | 1,057 | 3,769 |
| 1944 | 54,086 | 1,137 | 261,828 | 816 | 5,096,951 | 1,133 | 3,088 |
| 1945 | 61,790 | 1,323 | 251,266 | 989 | 5,532,502 | 1,282 | 3,097 |
| 1946 | 86,993 | 1,873 | 194,360 | 795 | 5,798,607 | 1,413 | 3,470 |
| 1947 | 84,709 | 1,823 | 176,471 | 600 | 6,238,689 | 1,875 | 4,108 |
| 1948 | 68,579 | 1,476 | 170,229 | 695 | 6,799,702 | 2,375 | 4,594 |
| 1949 | 68,426 | 1,679 | 124,473 | 759 | 7,493,937 | 2,939 | 4,346 |
| 1950 | 67,826 | 2,101 | 128,460 | 764 | 7,444,719 | 3,413 | 4,526 |

MINERAL PRODUCTION, VICTORIA - *continued*

| Year | Gold | | Black coal | | Brown coal | | Net value of total mining and quarrying production \$'000 |
|---------|-----------|-----------|------------|-----------|------------|-----------|--|
| | Quantity | Value (a) | Quantity | Value (a) | Quantity | Value (a) | |
| | fine oz | \$'000 | tonnes | \$'000 | tonnes | \$'000 | |
| 1951 | 66,063 | 2,047 | 150,114 | 1,201 | 7,961,825 | 5,510 | 5,938 |
| 1952 | 66,777 | 2,073 | 146,128 | 1,506 | 8,233,829 | 6,953 | 8,418 |
| 1953 | 63,917 | 1,992 | 154,345 | 1,959 | 8,389,829 | 7,273 | 13,264 |
| 1954 | 52,665 | 1,640 | 143,586 | 1,803 | 9,481,022 | 7,890 | 14,554 |
| 1955 | 38,035 | 1,189 | 135,021 | 1,653 | 10,274,507 | 8,787 | 16,292 |
| 1956 | 38,846 | 1,216 | 120,734 | 1,354 | 10,729,286 | 9,288 | 17,738 |
| 1957 | 45,752 | 1,432 | 113,360 | 1,008 | 10,913,382 | 10,410 | 18,914 |
| 1958 | 41,476 | 1,358 | 110,098 | 1,037 | 11,830,509 | 11,537 | 19,888 |
| 1959 | 34,662 | 1,117 | 89,123 | 109 | 13,243,810 | 12,386 | 21,974 |
| 1960 | 28,566 | 893 | 78,207 | 835 | 15,207,426 | 13,689 | 24,202 |
| 1961 | 26,229 | 824 | 67,428 | 719 | 16,540,44 | 15,443 | 26,316 |
| 1962 | 28,262 | 637 | 57,631 | 633 | 17,412,494 | 15,682 | 32,958 |
| 1963 | 24,668 | 779 | 51,291 | 588 | 18,752,671 | 16,158 | 32,394 |
| 1964 | 21,284 | 665 | 47,813 | 544 | 19,340,300 | 17,304 | 33,652 |
| 1965 | 19,246 | 565 | 42,925 | 515 | 20,990,431 | 18,436 | 37,056 |
| 1966 | 21,005 | 610 | 36,089 | 497 | 22,132,594 | 20,064 | 39,958 |
| 1967 | 10,996 | 345 | 32,581 | 251 | 23,758,914 | 20,686 | 43,438 |
| 1968 | 11,069 | 344 | 26,736 | 209 | 23,339,332 | 21,555 | 47,382 |
| | | | | | | | <i>Value added (b)</i> |
| 1968-69 | 9,286 | 335 | 13,312 | 105 | 23,499,703 | 20,879 | 51,628 |
| 1969-70 | 8,678 | 293 | 407 | 6 | 24,310,900 | 22,131 | 82,478 |
| | | | | | | | grammes |
| 1970-71 | 182,826 | 178 | 20 | - | 28,180,539 | 22,975 | 217,953 |
| 1971-72 | 193,556 | 214 | | | 23,630,467 | 25,706 | 283,445 |
| 1972-73 | 141,054 | 102 | | | 24,121,155 | 28,555 | 316,619 |
| 1973-74 | 67,941 | 81 | | | 26,354,577 | 31,532 | 389,313 |
| 1974-75 | 217,794 | 225 | | | 27,541,462 | 45,341 | 468,513 |
| 1975-76 | 105,582 | 343 | | | 29,211,090 | 52,871 | 512,919 |
| 1976-77 | 40,175 | 112 | | | 30,994,476 | 61,598 | 548,722 |
| 1977-78 | 9,238 | 35 | | | 30,492,186 | 73,183 | 636,873 |
| 1978-79 | 21,799 | 129 | | | 32,101,029 | 87,641 | 868,078 |
| 1979-80 | 41,088 | 456 | | | 32,896,281 | 101,480 | 1,091,266 |
| 1980-81 | 62,350 | 829 | | | 32,102,948 | 116,728 | 1,502,196 |
| 1981-82 | 87,392 | 853 | | | 37,566,541 | 147,485 | 1,689,879 |
| 1982-83 | 115,053 | 1,370 | | | 34,998,510 | 158,383 | 1,820,366 |
| 1983-84 | 187,472 | 1,725 | | | 34,004,878 | 145,997 | 2,241,016 |
| 1984-85 | 901,568 | 11,297 | | | 38,500,759 | 213,788 | 2,819,743 |
| 1985-86 | 1,271,669 | 17,901 | | | 35,468,473 | 245,688 | 3,069,722 |
| 1986-87 | 1,178,472 | 21,594 | | | 41,797,818 | 279,930 | 2,238,981 |
| 1987-88 | 1,634,374 | 32,868 | | | 43,480,844 | 312,031 | 2,605,549 |

(a) Selling value at point sale of mine or quarry products less transport costs from mine or quarry to point of sale, i.e. value of output at mine or quarry. Gold value excludes annual subsidy.

(b) Net value of total production until 1968. Value added of mining and quarrying from 1968-69.

BUILDING

NEW BUILDINGS COMPLETED, VICTORIA

| Year | Houses | | Other residential buildings | | Value of all buildings (a) (c) \$'000 |
|------------|-----------|---------------------|-----------------------------|---------------------|--|
| | Number | Value (a) \$'000 | Number (b) | Value (b) \$'000 | |
| | | | | | |
| 1946-47 | 7,436 | 18,720 | 86 | 198 | 22,134 |
| 1947-48 | 11,846 | 32,098 | 167 | 400 | 35,782 |
| 1948-49 | 14,278 | 45,084 | 368 | 1,056 | 54,714 |
| 1949-50 | 15,611 | 57,708 | 246 | 1,326 | 69,368 |
| 1950-51 | 21,194 | 88,560 | 333 | 1,368 | 104,280 |
| 1951-52 | 24,088 | 115,990 | 416 | 2,022 | 137,850 |
| 1952-53 | 21,284 | 114,222 | 692 | 4,176 | 153,938 |
| 1953-54 | 21,593 | 116,074 | 689 | 3,544 | 173,440 |
| 1954-55 | 23,839 | 135,276 | 781 | 3,664 | 197,864 |
| 1955-56 | 22,652 | 136,416 | 1,273 | 6,308 | 223,188 |
| 1956-57 | 20,185 | 131,542 | 897 | 4,680 | 229,660 |
| 1957-58 | 21,367 | 140,564 | 1,104 | 5,828 | 263,512 |
| 1958-59 | 24,329 | 161,916 | 1,434 | 7,628 | 274,874 |
| 1959-60 | 24,157 | 163,496 | 2,062 | 10,920 | 296,324 |
| 1960-61 | 22,094 | 157,596 | 4,183 | 27,072 | 326,304 |
| 1961-62 | 18,969 | 142,536 | 4,070 | 26,686 | 296,350 |
| 1962-63 | 20,328 | 154,358 | 3,772 | 23,184 | 333,568 |
| 1963-64 | 22,799 | 175,846 | 4,270 | 23,734 | 334,830 |
| 1964-65 | 22,821 | 185,692 | 8,674 | 47,564 | 402,280 |
| 1965-66 | 20,929 | 184,060 | 9,506 | 52,663 | 415,375 |
| 1966-67 | 22,126 | 203,556 | 10,138 | 55,958 | 471,943 |
| 1967-68 | 21,592 | 208,097 | 12,686 | 80,541 | 497,370 |
| 1968-69 | 22,731 | 230,420 | 13,775 | 90,085 | 578,126 |
| 1969-70 | 24,702 | 261,899 | 13,992 | 101,953 | 629,109 |
| 1970-71 | 25,179 | 278,109 | 12,087 | 85,717 | 667,966 |
| 1971-72 | 25,627 | 306,315 | 10,091 | 75,421 | 677,381 |
| 1972-73 | 28,260 | 372,099 | 9,923 | 82,668 | 809,900 |
| 1973-74(d) | 27,067 | 419,669 | 10,054 | 101,311 | 910,481 |
| 1974-75 | 26,902 | 511,546 | 10,440 | 129,749 | 1,108,278 |
| 1975-76 | 26,135 | 610,160 | 8,174 | 129,924 | 1,374,470 |
| 1976-77 | 28,901 | 796,043 | 8,924 | 177,775 | 1,617,273 |
| 1977-78 | 26,471 | 832,184 | 7,018 | 157,315 | 1,696,045 |
| 1978-79 | 23,445 | 769,068 | 4,514 | 111,773 | 1,748,931 |
| 1979-80 | 22,617 | 785,744 | 4,323 | 110,680 | 1,805,977 |
| 1980-81(e) | (f)21,480 | 817,490 | 4,420 | 115,633 | 1,869,595 |
| 1981-82 | 19,960 | 870,526 | 4,530 | 132,148 | 2,075,133 |
| 1982-83 | 18,850 | 866,167 | 5,006 | 147,150 | 2,397,778 |
| 1983-84 | 25,800 | 1,205,396 | 5,030 | 176,244 | 2,557,736 |
| 1984-85 | 29,650 | 1,524,763 | 5,854 | 223,777 | 3,229,392 |
| 1985-86 | 29,970 | 1,741,000 | 6,499 | 292,748 | 3,974,083 |
| 1986-87 | 27,710 | 1,790,546 | 5,999 | 292,950 | 4,326,017 |
| 1987-88 | 27,670 | 1,979,120 | 4,813 | 253,666 | 5,019,862 |
| 1988-89 | 30,540 | 2,421,706 | 4,377 | 297,879 | 6,604,253 |
| 1989-90 | 31,750 | 2,758,174 | 2,629 | 179,625 | 7,065,692 |
| 1990-91 | 25,180 | 2,392,400 | 2,922 | 208,100 | 7,189,700 |

(a) Excludes value of land.

(b) Individual dwelling units.

(c) Includes houses and flats.

(d) Prior to 1973-74, additions and alterations to dwellings valued at \$10,000 or more were included in the figures.

(e) There was a change in scope and methodology in 1980-81 with further modification in 1981-82.

(f) From 1980-81 figures for houses are rounded to the nearest ten units.

TRANSPORT

RAILWAYS, TRAMWAYS, AND OMNIBUS SERVICES, VICTORIA

| Year (a) | Victorian Railways | | | | Metropolitan Transit Authority (b) | | | |
|------------|------------------------------|-------------------|-----------------------|-----------------------------------|------------------------------------|-----------------------|-------------------|-----------------------|
| | Lines open for traffic | Kilometres run | Passenger journeys | Goods and livestock carried | Tramways | | Omnibuses | |
| | | | | | Kilometres run | Passenger journeys | Kilometres run | Passenger journeys |
| kilometres | '000 | '000 | '000 tonnes | '000 | '000 | '000 | '000 | |
| 1862 | 344 | 1,507 | | | | | | |
| 1863 | 344 | 1,929 | | | | | | |
| 1864 | 438 | 2,555 | | | | | | |
| 1865 | 436 | 2,378 | | | | | | |
| 1866 | 436 | 2,484 | | | | | | |
| 1867 | 436 | 2,396 | | | | | | |
| 1868 | 436 | 2,477 | | | | | | |
| 1869 | 436 | 2,516 | | | | | | |
| 1870 | 441 | 2,407 | | | | | | |
| 1871 | 444 | 1,477 | | | | | | |
| 1872 | 529 | 2,529 | | | | | | |
| 1873 | 607 | 2,843 | 4,724 | 816 | | | | |
| 1874 | 737 | 3,394 | 5,375 | 919 | | | | |
| 1875 | 970 | 4,028 | 6,165 | 955 | | | | |
| 1876 | 1,157 | 6,462 | 6,648 | 1,172 | | | | |
| 1877 | 1,529 | 5,264 | 7,338 | 1,273 | | | | |
| 1878 | 1,693 | 5,847 | 8,005 | 1,208 | | | | |
| 1879 | 1,811 | 6,442 | 14,584 | 1,132 | | | | |
| 1880 | 1,930 | 7,050 | 15,999 | 1,278 | | | | |
| 1881 | 2,007 | 7,457 | 18,973 | 1,444 | | | | |
| 1882 | 2,181 | 8,158 | 22,646 | 1,711 | | | | |
| 1883 | 2,514 | 9,176 | 26,485 | 1,912 | | | | |
| 1884 | 2,676 | 11,182 | 31,936 | 2,422 | | | | |
| 1885 | 2,697 | 11,024 | 34,814 | 2,309 | | | | |
| 1886 | 2,805 | 11,679 | 42,511 | 2,768 | (c)801 | (c)16,353 | | |
| 1887 | 3,026 | 12,861 | 49,220 | 3,020 | (d)2,429 | (d)17,992 | | |
| 1888 | 3,248 | 14,617 | 55,911 | 3,621 | 6,495 | 31,133 | | |
| 1889 | 3,539 | 17,189 | 68,904 | 4,227 | 10,295 | 45,000 | | |
| 1890 | 3,977 | 18,947 | 58,952 | 4,237 | 11,996 | 45,274 | | |
| 1891 | 4,448 | 19,714 | 57,996 | 4,497 | 14,758 | 48,045 | | |
| 1892 | 4,674 | 19,003 | 55,148 | 2,765 | 13,829 | 43,825 | | |
| 1893 | 4,762 | 17,341 | 46,521 | 2,599 | 13,831 | 36,405 | | |
| 1894 | 4,809 | 16,327 | 40,880 | 2,495 | 13,293 | 34,788 | | |
| 1895 | 4,960 | 15,397 | 40,211 | 2,475 | 12,949 | 33,591 | | |
| 1896 | 4,957 | 14,467 | 40,994 | 2,198 | 12,434 | 32,874 | | |
| 1897 | 4,933 | 14,852 | 42,264 | 2,422 | 12,616 | 34,775 | | |
| 1898 | 4,933 | 14,860 | 43,091 | 2,447 | 12,849 | 36,245 | | |
| 1899 | 4,970 | 15,634 | 45,805 | 2,824 | 13,462 | 38,875 | | |
| 1900 | 5,140 | 16,267 | 49,333 | 3,046 | 13,536 | 41,662 | | |
| 1901 | 5,171 | 17,809 | 54,704 | 3,436 | 14,428 | 47,196 | | |
| 1902 | 5,275 | 18,161 | 57,465 | 3,489 | 14,849 | 47,262 | | |
| 1903 | 5,433 | 16,554 | 54,798 | 3,144 | 14,555 | 46,833 | | |
| 1904 | 5,441 | 14,762 | 54,282 | 3,494 | 14,434 | 49,184 | | |
| 1905 | 5,461 | 14,522 | 59,702 | 3,686 | 14,375 | 50,297 | | |
| 1906 | 5,469 | 15,115 | 65,244 | 3,735 | 14,537 | 50,926 | | |
| 1907 | 5,473 | 16,640 | 71,200 | 4,029 | 15,347 | 59,069 | | |
| 1908 | 5,473 | 17,240 | 76,054 | 3,815 | 15,789 | 63,955 | | |
| 1909 | 5,496 | 18,715 | 82,286 | 4,234 | 17,246 | 71,277 | | |
| 1910 | 5,626 | 19,386 | 86,642 | 4,540 | 17,888 | 75,410 | | |

RAILWAYS, TRAMWAYS, AND OMNIBUS SERVICES, VICTORIA - *continued*

| Year (a) | Victorian Railways | | | | Metropolitan Transit Authority (b) | | | |
|----------|------------------------|----------------|--------------------|-----------------------------|------------------------------------|----------------------------|------------------------|----------------------------|
| | Lines open for traffic | Kilometres run | Passenger journeys | Goods and livestock carried | Tramways | | Omnibuses | |
| | kilometres | '000 | '000 | '000 tonnes | Kilometres run '000 | Passenger journeys '000 | Kilometres run '000 | Passenger journeys '000 |
| 1911 | 5,678 | 21,436 | 95,207 | 5,047 | 19,220 | 84,294 | | |
| 1912 | 5,837 | 22,859 | 105,910 | 5,383 | 20,709 | 95,602 | | |
| 1913 | 5,877 | 23,574 | 113,431 | 5,233 | 22,013 | 103,703 | | |
| 1914 | 6,180 | 25,058 | 119,002 | 5,909 | 23,659 | 113,280 | | |
| 1915 | 6,244 | 25,557 | 119,979 | 5,497 | 24,007 | 112,216 | | |
| 1916 | 6,608 | 23,214 | 118,898 | 5,923 | 25,019 | 126,893 | | |
| 1917 | 6,643 | 23,488 | 111,792 | 6,058 | 26,258 | 147,969 | | |
| 1918 | 6,690 | 22,769 | 109,608 | 6,331 | 29,152 | 163,933 | | |
| 1919 | 6,754 | 21,868 | 117,467 | 6,620 | 30,219 | 173,081 | | |
| 1920 | 6,795 | 25,246 | 143,251 | 7,895 | 30,986 | 197,709 | | |
| 1921 | 6,878 | 26,689 | 140,851 | 7,695 | 32,723 | 213,872 | | |
| 1922 | 6,959 | 25,477 | 149,224 | 7,611 | 34,133 | 218,451 | | |
| 1923 | 6,986 | 26,270 | 163,120 | 7,638 | 34,738 | 226,632 | | |
| 1924 | 7,145 | 27,753 | 175,031 | 8,443 | 35,381 | 221,892 | | |
| 1925 | 7,224 | 29,245 | 173,657 | 9,103 | 38,161 | 228,752 | (e)463 | (e)1,418 |
| 1926 | 7,456 | 29,398 | 175,354 | 8,869 | 37,099 | 226,900 | 2,334 | 7,164 |
| 1927 | 7,474 | 30,226 | 177,103 | 9,383 | 37,345 | 218,837 | 1,658 | 5,374 |
| 1928 | 7,575 | 31,065 | 172,350 | 8,248 | 38,022 | 215,810 | 1,025 | 4,543 |
| 1929 | 7,578 | 30,614 | 168,440 | 8,319 | 38,288 | 211,762 | 404 | 1,086 |
| 1930 | 7,601 | 30,109 | 164,472 | 7,634 | 36,836 | 197,979 | 819 | 3,743 |
| 1931 | 7,607 | 27,290 | 141,212 | 6,197 | 35,697 | 173,854 | 364 | 1,225 |
| 1932 | 7,609 | 26,183 | 131,922 | 6,297 | 35,274 | 161,918 | 13 | 5 |
| 1933 | 7,609 | 26,128 | 136,078 | 6,360 | 35,278 | 163,688 | 14 | 7 |
| 1934 | 7,609 | 26,107 | 137,317 | 5,967 | 35,393 | 166,447 | 16 | 7 |
| 1935 | 7,609 | 26,484 | 145,938 | 6,120 | 35,866 | 172,847 | 16 | 8 |
| 1936 | 7,609 | 27,915 | 145,818 | 6,542 | 35,784 | 172,992 | 1,065 | 4,315 |
| 1937 | 7,609 | 29,244 | 147,744 | 6,948 | 36,751 | 178,506 | 2,070 | 6,232 |
| 1938 | 7,609 | 30,400 | 144,051 | 7,390 | 37,007 | 175,564 | 2,931 | 9,212 |
| 1939 | 7,672 | 30,377 | 148,543 | 6,086 | 36,984 | 182,094 | 3,484 | 11,911 |
| 1940 | 7,670 | 29,021 | 151,280 | 6,302 | 36,630 | 185,262 | 4,781 | 17,874 |
| 1941 | 7,670 | 30,316 | 166,650 | 6,748 | 34,722 | 193,386 | 8,473 | 39,694 |
| 1942 | 7,681 | 30,851 | 189,775 | 7,647 | 35,509 | 233,136 | 12,271 | 61,893 |
| 1943 | 7,670 | 30,964 | 205,533 | 8,919 | 36,896 | 265,928 | 13,861 | 70,877 |
| 1944 | 7,670 | 27,697 | 204,083 | 8,427 | 37,015 | 278,451 | 13,718 | 71,632 |
| 1945 | 7,654 | 27,586 | 205,738 | 8,193 | 36,582 | 284,139 | 13,110 | 70,664 |
| 1946 | 7,654 | 27,632 | 205,937 | 7,345 | 36,490 | 281,198 | 12,657 | 70,196 |
| 1947 | 7,644 | 26,392 | 178,639 | 7,683 | 36,202 | 262,406 | 11,151 | 57,947 |
| 1948 | 7,617 | 28,580 | 191,105 | 8,575 | 36,297 | 255,804 | 12,674 | 67,154 |
| 1949 | 7,574 | 29,475 | 185,005 | 9,001 | 37,208 | 266,440 | 13,029 | 72,333 |
| 1950 | 7,564 | 29,803 | 190,473 | 9,272 | 29,499 | 203,697 | 10,981 | 59,765 |
| 1951 | 7,562 | 23,936 | 147,177 | 7,660 | 34,294 | 238,709 | 12,273 | 67,442 |
| 1952 | 7,574 | 28,823 | 171,830 | 9,352 | 34,839 | 217,685 | 12,228 | 62,619 |
| 1953 | 7,519 | 30,052 | 169,372 | 9,339 | 35,752 | 207,398 | 12,997 | 61,045 |
| 1954 | 7,226 | 31,059 | 172,498 | 9,348 | 35,406 | 204,747 | 12,701 | 59,111 |
| 1955 | 7,163 | 31,733 | 170,480 | 10,244 | 33,870 | 202,437 | 11,653 | 56,611 |
| 1956 | 7,154 | 31,535 | 167,901 | 9,761 | 35,813 | 207,914 | 9,429 | 37,209 |
| 1957 | 7,092 | 31,189 | 169,137 | 9,531 | 35,792 | 203,323 | 9,506 | 34,640 |
| 1958 | 7,083 | 30,203 | 169,578 | 9,034 | 33,478 | 195,350 | 9,560 | 34,577 |
| 1959 | 6,973 | 30,311 | 165,262 | 9,444 | 32,689 | 183,835 | 9,527 | 32,242 |
| 1960 | 6,904 | 30,020 | 159,865 | 9,843 | 31,762 | 177,868 | 9,392 | 31,286 |

RAILWAYS, TRAMWAYS, AND OMNIBUS SERVICES, VICTORIA - *continued*

| Year (a) | Victorian Railways | | | | Metropolitan Transit Authority (b) | | | |
|------------|------------------------------|-------------------|-----------------------|-----------------------------------|------------------------------------|-----------------------|-------------------|-----------------------|
| | Lines open for traffic | Kilometres run | Passenger journeys | Goods and livestock carried | Tramways | | Omnibuses | |
| | | | | | Kilometres run | Passenger journeys | Kilometres run | Passenger journeys |
| kilometres | '000 | '000 | '000 | '000 | '000 | '000 | '000 | |
| 1961 | 6,906 | 29,909 | 151,302 | 11,153 | 31,054 | 172,055 | 9,537 | 30,282 |
| 1962 | 6,906 | 30,945 | 154,076 | 10,516 | 30,278 | 167,250 | 11,254 | 31,313 |
| 1963 | 6,864 | 31,863 | 153,979 | 11,015 | 28,498 | 162,692 | 11,814 | 32,634 |
| 1964 | 6,775 | 32,918 | 154,640 | 12,327 | 28,284 | 160,479 | 11,721 | 32,426 |
| 1965 | 6,777 | 33,503 | 150,907 | 12,798 | 27,230 | 147,891 | 11,695 | 29,812 |
| 1966 | 6,742 | 32,925 | 150,185 | 12,352 | 26,730 | 140,556 | 10,884 | 25,120 |
| 1967 | 6,788 | 32,699 | 147,301 | 12,268 | 26,668 | 131,876 | 11,154 | 25,107 |
| 1968 | 6,775 | 32,391 | 147,157 | 11,294 | 26,522 | 127,575 | 11,805 | 25,576 |
| 1969 | 6,743 | 32,103 | 145,769 | 11,498 | 25,861 | 119,009 | 11,425 | 24,271 |
| 1970 | 6,711 | 33,497 | 144,571 | 12,025 | 24,580 | 110,692 | 11,141 | 22,353 |
| 1971 | 6,705 | 33,949 | 142,486 | 12,691 | 23,978 | 109,779 | 11,294 | 22,753 |
| 1972 | 6,700 | (f)33,175 | (f)137,794 | (f)11,795 | (f)23,759 | 101,962 | 11,190 | 20,471 |
| 1973 | 6,687 | 33,057 | 113,150 | 11,475 | 24,443 | 104,719 | 11,882 | 20,993 |
| 1974 | 6,684 | 33,345 | 114,648 | 11,370 | 23,873 | 109,368 | 11,918 | 22,168 |
| 1975 | 6,658 | 33,876 | 117,720 | 11,057 | 23,840 | 111,077 | 12,027 | 22,658 |
| 1976 | 6,653 | 33,818 | 109,669 | 10,803 | 24,235 | 106,126 | 12,681 | 20,821 |
| 1977 | 6,578 | 33,489 | 102,654 | 10,971 | 24,166 | 102,886 | 12,762 | 20,073 |
| 1978 | 6,364 | 32,013 | 97,654 | 11,120 | 24,185 | 101,296 | 12,874 | 19,339 |
| 1979 | 6,185 | 30,856 | 93,323 | 11,190 | 24,191 | 101,070 | 12,879 | 19,927 |
| 1980 | 6,184 | 30,795 | 88,911 | 13,453 | 23,547 | 98,889 | 12,739 | 19,872 |
| 1981 | 5,870 | 30,614 | 88,473 | 12,721 | 24,062 | 100,474 | 13,162 | 21,017 |
| 1982 | 5,812 | 31,136 | (g)76,313 | 11,623 | 24,030 | 103,479 | 13,336 | 23,546 |
| 1983 | 5,815 | 30,166 | 84,323 | 8,570 | 24,201 | (h) | 13,311 | (h) |
| 1984 | 5,748 | 31,205 | 87,452 | 10,786 | 24,400 | 102,100 | 13,500 | 19,800 |
| 1985 | 5,748 | 30,288 | 90,593 | 11,872 | 24,000 | 109,400 | 13,500 | 22,700 |
| 1986 | 5,372 | 29,809 | 94,263 | 10,512 | 24,000 | 112,400 | 16,000 | 26,000 |
| 1987 | 5,257 | 28,399 | 97,822 | 10,615 | 24,000 | 112,900 | 16,000 | 25,600 |
| 1988 | 5,150 | 27,435 | 94,087 | 10,901 | 23,800 | 115,600 | 17,300 | 26,450 |
| 1989 | 5,047 | 26,826 | 99,325 | 9,950 | 24,220 | 118,900 | (i) | (i) |
| 1990 | 5,043 | 26,332 | 101,665 | 10,250 | 20,200 | 95,600 | (i) | (i) |

(a) 1862 to 1870 and 1877 to 1884 year ended 31 December.

1871 six months ended 30 June

1872 to 1875 and 1885 to 1983 year ended 30 June.

1876 eighteen months ended 31 December.

(b) 1886 to 1915 Melbourne Tramway and Omnibus Company.

1916 to 1982 Melbourne and Metropolitan Tramways Board.

1983 Metropolitan Transit Authority.

(c) Ten months only.

(d) Nine months only.

(e) Six months only.

(f) Rounded to nearest thousand from 1972 onwards.

(g) Excluding multi-modal journeys where ticket purchased in trams or buses (from 1982 onwards).

(h) Combined total of 169,677,000

(i) Not available since the creation of the Public Transport Corporation.

MOTOR VEHICLES, VICTORIA

| Year | New motor vehicles registered during period (a) | | | | Motor vehicles on register at 30 June (a) | | | | Drivers' and riders' licences in force 30 June | Net revenue collected by Road Traffic Authority |
|---------|---|-----------|-----------|--------------|---|-----------|-----------|--------------|--|---|
| | Cars and station wagons (b) | Other (c) | Total (d) | Motor cycles | Cars and station wagons (b) | Other (c) | Total (d) | Motor cycles | | |
| 1924-25 | | | | | | | 70,191 | 19,212 | 100,021 | 828 |
| 1925-26 | | | | | | | 83,622 | 19,929 | 126,369 | 1,287 |
| 1926-27 | | | | | | | 111,124 | 23,011 | 164,380 | 1,647 |
| 1927-28 | | | | | | | 126,328 | 24,015 | 188,057 | 1,892 |
| 1928-29 | | | | | | | 143,844 | 24,554 | 212,228 | 2,185 |
| 1929-30 | | | | | 125,315 | 29,167 | 154,482 | 25,405 | 230,853 | 2,371 |
| 1930-31 | | | | | 116,568 | 28,028 | 144,596 | 23,635 | 228,051 | 2,212 |
| 1931-32 | | | | | 117,160 | 28,224 | 145,384 | 22,568 | 226,712 | 2,196 |
| 1932-33 | | | | | 124,609 | 31,554 | 156,163 | 23,439 | 235,613 | 2,371 |
| 1933-34 | | | | | 130,495 | 33,513 | 164,008 | 24,248 | 245,847 | 2,522 |
| 1934-35 | | | | | 140,483 | 37,487 | 177,970 | 24,968 | 260,288 | 2,738 |
| 1935-36 | | | | | 143,330 | 50,500 | 193,830 | 26,095 | 289,486 | 3,110 |
| 1936-37 | 13,292 | 7,948 | 21,240 | 2,923 | 137,885 | 69,025 | 206,910 | 26,663 | 315,826 | 3,394 |
| 1937-38 | 14,954 | 8,604 | 23,558 | 2,946 | 145,179 | 77,943 | 223,122 | 27,333 | 340,438 | 3,589 |
| 1938-39 | 15,090 | 6,831 | 21,921 | 2,349 | 153,391 | 81,766 | 235,157 | 26,698 | 358,417 | 3,774 |
| 1939-40 | 11,613 | 5,773 | 17,386 | 1,370 | 156,337 | 84,575 | 240,912 | 25,765 | 370,838 | 3,879 |
| 1940-41 | 5,529 | 3,304 | 8,833 | 735 | 148,437 | 84,725 | 233,162 | 23,572 | 365,205 | 3,785 |
| 1941-42 | 1,244 | 1,590 | 2,834 | 270 | 123,649 | 84,589 | 208,238 | 16,692 | 339,334 | 3,305 |
| 1942-43 | 852 | 1,153 | 2,005 | 83 | 131,417 | 85,937 | 217,354 | 16,275 | 329,595 | 2,912 |
| 1943-44 | 527 | 3,306 | 3,833 | 70 | 136,842 | 89,354 | 226,196 | 17,965 | 337,171 | 3,057 |
| 1944-45 | 496 | 2,351 | 2,847 | 86 | 141,249 | 94,110 | 235,359 | 19,820 | 353,584 | 3,214 |
| 1945-46 | 1,208 | 2,329 | 3,537 | 378 | 146,605 | 102,196 | 248,801 | 23,249 | 401,610 | 3,566 |
| 1946-47 | 6,136 | 4,643 | 10,779 | 1,683 | 157,461 | 111,263 | 268,724 | 26,203 | 437,924 | 4,026 |
| 1947-48 | 12,170 | 9,354 | 21,524 | 3,480 | 171,203 | 121,097 | 292,300 | 29,143 | 470,971 | 4,491 |
| 1948-49 | 18,333 | 11,551 | 29,884 | 5,048 | 189,445 | 130,277 | 319,722 | 31,706 | 487,407 | 4,856 |
| 1949-50 | 32,321 | 17,240 | 49,561 | 6,440 | 227,055 | 142,592 | 369,647 | 34,318 | 525,709 | 5,821 |
| 1950-51 | 36,692 | 19,432 | 56,124 | 5,442 | 263,714 | 147,049 | 410,763 | 33,637 | 575,753 | 7,024 |
| 1951-52 | 42,319 | 22,498 | 64,817 | 5,439 | 347,873 | 148,050 | 495,923 | 37,303 | 639,910 | 9,114 |
| 1952-53 | 26,594 | 11,458 | 38,052 | 2,523 | 376,123 | 130,172 | 506,295 | 33,533 | 645,962 | 9,571 |
| 1953-54 | 34,379 | 11,799 | 46,178 | 2,358 | 397,658 | 130,707 | 528,365 | 30,881 | 708,307 | 10,020 |
| 1954-55 | 47,528 | 15,907 | 63,435 | 2,363 | 456,024 | 143,930 | 599,954 | 29,193 | 725,826 | 11,280 |
| 1955-56 | 49,658 | 17,568 | 67,226 | 2,244 | 447,370 | 173,987 | 621,357 | 25,854 | 801,852 | 12,054 |
| 1956-57 | 43,862 | 14,701 | 58,563 | 1,963 | 473,748 | 177,690 | 651,438 | 24,048 | 831,847 | 14,802 |
| 1957-58 | 49,845 | 15,508 | 65,353 | 2,142 | 504,837 | 184,165 | 689,002 | 22,676 | 879,779 | 18,451 |
| 1958-59 | 52,926 | 16,736 | 69,662 | 2,280 | 538,113 | 190,036 | 728,149 | 21,816 | 908,343 | 19,333 |
| 1959-60 | 70,197 | 17,252 | 87,449 | 2,220 | 585,867 | 196,445 | 782,312 | 20,644 | 967,952 | 22,098 |
| 1960-61 | 67,001 | 14,803 | 81,804 | 1,356 | 625,183 | 201,132 | 826,315 | 18,422 | 1,032,431 | 22,538 |
| 1961-62 | 59,664 | 12,317 | 71,981 | 738 | 655,961 | 203,902 | 859,863 | 16,770 | 1,079,751 | 23,334 |
| 1962-63 | 77,892 | 14,206 | 92,098 | 656 | 704,906 | 211,558 | 916,464 | 15,079 | 1,112,750 | 25,176 |
| 1963-64 | 90,506 | 16,386 | 106,892 | 715 | 761,111 | 215,358 | 976,469 | 13,516 | 1,162,448 | 27,433 |
| 1964-65 | 96,268 | 17,486 | 113,754 | 1,000 | 818,331 | 218,957 | 1,037,288 | 12,526 | 1,215,435 | 31,928 |
| 1965-66 | 86,240 | 17,750 | 103,990 | 1,214 | 860,451 | 220,649 | 1,081,100 | 11,800 | 1,259,477 | 44,233 |
| 1966-67 | 87,172 | 17,048 | 104,200 | 1,788 | 901,121 | 222,996 | 1,124,117 | 12,431 | 1,313,291 | 46,357 |
| 1967-68 | 99,136 | 16,673 | 115,809 | 3,019 | 954,461 | 223,689 | 1,178,150 | 15,386 | 1,371,673 | 50,402 |
| 1968-69 | 101,677 | 18,634 | 120,311 | 3,457 | 1,008,506 | 227,605 | 1,236,111 | 18,527 | 1,435,797 | 57,782 |
| 1969-70 | 110,797 | 20,058 | 130,855 | 4,689 | 1,067,919 | 232,255 | 1,300,174 | 21,342 | 1,502,074 | 61,356 |
| 1970-71 | 109,829 | 18,703 | 128,532 | 8,218 | 1,122,460 | 235,739 | 1,358,199 | 28,912 | 1,566,396 | 66,480 |
| 1971-72 | 107,937 | 19,384 | 127,321 | 11,091 | 1,170,100 | 239,600 | 1,409,700 | 35,700 | 1,634,118 | 73,581 |
| 1972-73 | 110,660 | 21,754 | 132,414 | 11,778 | 1,231,100 | 250,500 | 1,481,600 | 42,200 | 1,711,808 | 80,116 |

\$'000

MOTOR VEHICLES, VICTORIA - *continued*

| Year | New motor vehicles registered during period (a) | | | | Motor vehicles on register at 30 June (a) | | | | Drivers' and riders' licences in force 30 June | Net revenue collected by Road Traffic Authority \$'000 |
|---------|---|-----------|-----------|--------------|---|-----------|-----------|--------------|--|--|
| | Cars and station wagons (b) | Other (c) | Total (d) | Motor cycles | Cars and station wagons (b) | Other (c) | Total (d) | Motor cycles | | |
| 1973-74 | 121,546 | 23,290 | 144,836 | 11,637 | 1,307,000 | 264,600 | 1,571,600 | 48,800 | 1,856,910 | 90,708 |
| 1974-75 | 133,163 | 26,073 | 159,236 | 8,770 | 1,382,700 | 280,600 | 1,663,300 | 52,600 | 1,885,874 | 115,378 |
| 1975-76 | 120,168 | 26,911 | 147,159 | 8,450 | 1,445,800 | 286,900 | 1,732,700 | 52,000 | 1,957,056 | 145,401 |
| 1976-77 | 117,794 | 28,551 | 146,345 | 7,645 | 1,479,200 | 298,900 | 1,778,100 | 51,100 | 2,032,520 | 172,382 |
| 1977-78 | 115,368 | 28,248 | 143,616 | 6,469 | 1,544,900 | 318,300 | 1,863,200 | 52,300 | 2,016,063 | 204,107 |
| 1978-79 | 122,961 | 24,258 | 147,219 | 7,148 | 1,591,500 | 328,200 | 1,919,700 | 54,300 | 2,072,172 | 218,683 |
| 1979-80 | 115,567 | 22,021 | 137,588 | 10,884 | 1,580,100 | 326,200 | 1,906,300 | 54,000 | 2,120,469 | 223,871 |
| 1980-81 | 114,699 | 23,921 | 138,620 | 14,450 | 1,632,500 | 339,200 | 1,971,700 | 64,200 | 2,181,714 | 235,035 |
| 1981-82 | 121,960 | 27,517 | 149,477 | 15,731 | 1,731,200 | 366,400 | 2,097,500 | 74,300 | 2,255,439 | 270,704 |
| 1982-83 | 123,834 | 26,686 | 150,520 | 13,153 | 1,796,500 | 381,600 | 2,178,100 | 79,600 | 2,318,698 | 263,420 |
| 1983-84 | 126,652 | 26,650 | 153,302 | 10,067 | 1,859,700 | 400,400 | 2,260,100 | 81,700 | 2,369,622 | 312,649 |
| 1984-85 | 143,279 | 29,562 | 172,841 | 9,878 | 1,936,800 | 417,400 | 2,354,300 | 83,400 | 2,472,792 | 304,587 |
| 1985-86 | 132,003 | 26,558 | 158,561 | 8,079 | 1,972,900 | 422,200 | 2,395,000 | 81,800 | 2,588,163 | 310,520 |
| 1986-87 | 107,862 | 20,411 | 128,273 | 5,294 | 2,010,200 | 434,700 | 2,444,900 | 84,500 | 2,590,358 | 324,170 |
| 1987-88 | 103,907 | 18,254 | 122,161 | 3,847 | 2,064,700 | 440,400 | 2,505,100 | 70,100 | 2,696,706 | 330,704 |
| 1988-89 | 119,216 | 22,278 | 141,494 | 4,219 | 2,076,200 | 440,900 | 2,517,100 | 68,100 | 2,791,312 | 309,610 |
| 1989-90 | 140,918 | 28,447 | 169,365 | 4,786 | 2,137,800 | 446,400 | 2,584,200 | 67,900 | 2,875,289 | n.a. |
| 1990-91 | 108,453 | 17,582 | 126,035 | 4,529 | 2,226,500 | 476,500 | 2,703,000 | 72,200 | 2,943,669 | n.a. |

(a) From 1924 to 1982 the data source was the Motor Registration Branch. The Road Traffic Authority has provided this information since 1982.

(b) Excludes defence service vehicles.

(c) Includes ambulances and hearses until 1970-71 inclusive.

(d) Includes utilities, panel vans, trucks, truck-type vehicles, omnibuses, and from 1971-72 onwards, ambulances and hearses.

(e) Excludes motor cycles, tractors, trailers, plant and equipment, and caravans.

ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, VICTORIA

| Year (a) | Accidents involving casualties | Rate per - | | | | | | | |
|----------|--------------------------------|--------------------------------|-----------------|--------------------------------|-------------------------|-----------------|--------------------------------|----------------|-----------------|
| | | 10,000 vehicles registered (b) | | | 100,000 mean population | | | | |
| | | Persons killed | Persons injured | Accidents involving casualties | Persons killed | Persons injured | Accidents involving casualties | Persons killed | Persons injured |
| 1924 | | 224 | 3,534 | | | | | 13.6 | 215.2 |
| 1925 | | 301 | 2,688 | | 31.2 | 278.6 | | 18.0 | 160.8 |
| 1926 | | 351 | 3,513 | | 29.5 | 295.6 | | 20.7 | 207.0 |
| 1927 | | 331 | 3,658 | | 23.3 | 257.2 | | 19.2 | 211.7 |
| 1928 | | 349 | 3,714 | | 21.9 | 233.0 | | 19.9 | 212.0 |
| 1929 | | 344 | 4,221 | | 19.8 | 242.4 | | 19.4 | 238.5 |
| 1930 | | 350 | 4,085 | | 20.1 | 234.7 | | 19.6 | 228.7 |
| 1931 | | 333 | 4,042 | | 19.8 | 240.5 | | 18.5 | 224.7 |
| 1932 | | 311 | 4,090 | | 17.9 | 235.4 | | 17.2 | 226.1 |
| 1933 | | 316 | 5,082 | | 17.2 | 276.3 | | 17.4 | 279.2 |
| 1934 | | 349 | 6,812 | | 17.8 | 348.3 | | 19.1 | 372.2 |
| 1935 | | 382 | 6,765 | | 18.1 | 320.0 | | 20.8 | 368.0 |
| 1936 | | 404 | 7,375 | | 17.8 | 325.3 | | 21.9 | 399.5 |
| 1937 | 6,400 | 427 | 7,278 | 264.5 | 17.6 | 300.7 | 345.2 | 23.0 | 392.6 |
| 1938 | 6,638 | 433 | 7,523 | 259.1 | 16.9 | 293.7 | 355.9 | 23.2 | 403.3 |
| 1939 | 7,098 | 480 | 8,074 | 268.6 | 18.2 | 305.5 | 377.8 | 25.6 | 429.7 |
| 1940 | 7,561 | 515 | 8,723 | 283.5 | 19.3 | 327.1 | 400.7 | 27.3 | 462.3 |

ROAD TRAFFIC ACCIDENTS INVOLVING CASUALTIES, VICTORIA - *continued*

| Year | Accidents involving casualties | Persons killed | Persons injured | Rate per - | | | | | |
|----------|--------------------------------|----------------|-----------------|--------------------------------|----------------|-----------------|--------------------------------|----------------|-----------------|
| | | | | 10,000 vehicles registered (a) | | | 100,000 mean population | | |
| | | | | Accidents involving casualties | Persons killed | Persons injured | Accidents involving casualties | Persons killed | Persons injured |
| 1941 | 6,548 | 412 | 7,610 | 255.0 | 16.0 | 296.4 | 341.6 | 21.5 | 397.0 |
| 1942 | 5,240 | 396 | 5,836 | 233.0 | 17.6 | 259.5 | 268.9 | 20.3 | 299.5 |
| 1943 | 4,166 | 347 | 4,749 | 178.3 | 14.9 | 203.3 | 212.0 | 17.7 | 241.6 |
| 1944 | 3,764 | 266 | 4,219 | 154.2 | 10.9 | 172.8 | 189.9 | 13.4 | 212.9 |
| 1945 | 3,827 | 260 | 4,368 | 150.0 | 10.2 | 171.2 | 191.5 | 13.0 | 218.6 |
| 1946 | 5,285 | 336 | 6,202 | 194.3 | 12.4 | 228.0 | 262.3 | 16.7 | 307.8 |
| 1947 | 6,522 | 386 | 7,810 | 221.1 | 13.1 | 264.8 | 319.8 | 18.9 | 383.0 |
| 1948 | 6,252 | 362 | 7,210 | 194.5 | 11.3 | 224.3 | 302.0 | 17.5 | 348.3 |
| 1949 | 6,940 | 426 | 8,225 | 197.5 | 12.1 | 234.0 | 328.0 | 20.1 | 388.7 |
| 1950 | 8,618 | 501 | 10,538 | 213.3 | 12.4 | 260.9 | 396.3 | 23.0 | 484.5 |
| 1951 | 9,274 | 581 | 11,364 | 208.7 | 13.1 | 255.7 | 413.5 | 25.9 | 506.7 |
| 1952 | 10,111 | 603 | 12,531 | 189.6 | 11.3 | 235.0 | 437.8 | 26.1 | 542.5 |
| 1953 | 10,098 | 515 | 12,564 | 187.1 | 9.5 | 232.7 | 425.7 | 21.7 | 529.6 |
| 1954 | 10,537 | 569 | 13,351 | 188.4 | 10.2 | 238.7 | 434.9 | 23.5 | 551.1 |
| 1955 | 10,217 | 528 | 12,833 | 162.4 | 8.4 | 204.0 | 411.1 | 21.3 | 516.4 |
| 1956 | 10,606 | 582 | 13,483 | 163.9 | 9.0 | 208.3 | 414.9 | 22.8 | 527.5 |
| 1957 | 10,804 | 589 | 14,120 | 159.9 | 8.7 | 209.0 | 411.5 | 22.4 | 537.8 |
| 1958 | 11,233 | 571 | 15,015 | 157.8 | 8.0 | 211.0 | 418.0 | 21.3 | 558.8 |
| 1959 | 12,462 | 661 | 16,784 | 166.2 | 8.8 | 223.8 | 453.2 | 24.0 | 610.3 |
| 1960 | 12,267 | 698 | 16,595 | 152.8 | 8.7 | 206.7 | 435.1 | 24.8 | 588.6 |
| 1961 | 12,140 | 773 | 16,757 | 143.7 | 9.2 | 198.4 | 419.6 | 26.7 | 579.1 |
| 1962 | 11,639 | 818 | 16,074 | 132.8 | 9.3 | 183.4 | 393.6 | 27.7 | 543.6 |
| 1963 | 12,330 | 803 | 17,149 | 132.4 | 8.6 | 184.1 | 409.4 | 26.7 | 569.4 |
| 1964 | 13,067 | 838 | 18,401 | 132.0 | 8.5 | 185.9 | 425.2 | 27.3 | 598.7 |
| 1965 | 14,432 | 907 | 20,482 | 137.5 | 8.6 | 195.1 | 460.2 | 28.9 | 653.1 |
| 1966 | 14,110 | 933 | 20,277 | 129.1 | 8.5 | 185.5 | 441.8 | 29.2 | 634.8 |
| 1967 | 14,077 | 963 | 19,994 | 123.9 | 8.5 | 175.9 | 433.2 | 29.6 | 615.3 |
| 1968 | 15,113 | 868 | 21,932 | 126.6 | 7.3 | 183.8 | 457.9 | 26.3 | 664.5 |
| 1969 | 15,622 | 964 | 22,498 | 124.5 | 7.7 | 179.3 | 465.8 | 28.7 | 670.9 |
| 1970 | 17,030 | 1,065 | 24,502 | 128.9 | 8.1 | 185.4 | 498.5 | 31.2 | 717.2 |
| 1971 | 15,327 | 996 | 22,067 | 110.5 | 7.2 | 159.1 | 441.0 | 28.7 | 634.9 |
| 1972 | 14,988 | 884 | 21,090 | 102.3 | 6.3 | 143.1 | 410.7 | 25.5 | 574.6 |
| 1973 | 14,611 | 949 | 20,312 | 95.0 | 6.1 | 131.2 | 399.3 | 25.8 | 551.7 |
| 1974 | 13,452 | 877 | 18,634 | 77.2 | 5.0 | 108.1 | 340.8 | 21.9 | 477.1 |
| 1975 | 12,625 | 910 | 17,586 | 73.7 | 5.3 | 102.7 | 339.5 | 24.5 | 472.9 |
| 1976 | 12,680 | 938 | 17,653 | 72.1 | 5.3 | 100.4 | 332.7 | 24.6 | 463.2 |
| 1977 | 14,803 | 954 | 19,874 | 80.9 | 5.2 | 108.6 | 385.7 | 24.9 | 517.8 |
| 1978 | 14,957 | 869 | 20,377 | 78.4 | 4.6 | 106.8 | 387.0 | 22.5 | 527.2 |
| 1979 | 14,648 | 847 | 19,690 | 74.7 | 4.3 | 100.4 | 376.9 | 21.8 | 506.8 |
| 1980 | 14,988 | 657 | 19,957 | 76.4 | 3.3 | 101.7 | 382.9 | 16.8 | 509.9 |
| 1981 | 15,619 | 766 | 20,680 | 76.7 | 3.8 | 101.6 | 395.4 | 19.4 | 523.7 |
| 1982 | 15,380 | 709 | 20,293 | 68.4 | 3.2 | 90.2 | 385.2 | 17.8 | 508.2 |
| 1983 | 15,225 | 664 | 20,008 | 67.4 | 2.9 | 88.6 | 377.1 | 16.4 | 495.5 |
| 1984 | 16,001 | 657 | 21,311 | 68.3 | 2.8 | 91.0 | 392.4 | 16.1 | 522.5 |
| 1985 | 16,744 | 683 | 22,452 | 68.8 | 2.8 | 92.2 | 407.0 | 16.6 | 544.8 |
| 1986 | 17,291 | 668 | 23,274 | 69.8 | 2.7 | 94.0 | 415.2 | 16.0 | 558.9 |
| 1987 | 19,531 | 705 | 25,723 | 77.2 | 2.8 | 101.7 | 464.1 | 16.8 | 611.1 |
| 1988 | (a) | 701 | (a) | (a) | 2.7 | (a) | (a) | 16.4 | (a) |
| 1989 (b) | (a) | 776 | (a) | (a) | 3.0 | (a) | (a) | 18.0 | (a) |

(a) A change of definition has resulted in this series no longer being available on the previous basis.

(b) Figures on the above basis not available after year ended December 1989.

INTERSTATE AND OVERSEAS SHIPPING, VICTORIA

| Year (a) | Shipping entered | | Shipping cleared | | Year | Shipping entered | | Shipping cleared | |
|----------|------------------|------------|------------------|------------|---------|------------------|------------|------------------|------------|
| | Vessels | Net tonnes | Vessels | Net tonnes | | Vessels | Net tonnes | Vessels | Net tonnes |
| 1837 | 140 | 12,959 | 140 | 13,639 | 1885 | 2,154 | 1,657,448 | 2,119 | 1,655,036 |
| 1838 | 137 | 11,905 | 136 | 11,866 | 1886 | 2,307 | 1,877,719 | 2,324 | 1,177,529 |
| 1839 | | | 189 | 20,679 | 1887 | 2,435 | 1,950,999 | 2,418 | 1,969,169 |
| 1840 | 262 | 44,113 | 232 | 34,885 | 1888 | 2,724 | 2,217,093 | 2,630 | 1,159,931 |
| | | | | | 1889 | 2,855 | 2,307,274 | 2,886 | 2,365,721 |
| | | | | | 1890 | 2,474 | 2,213,517 | 2,459 | 2,219,856 |
| 1841 | 272 | 53,343 | 228 | 34,704 | | | | | |
| 1842 | 237 | 44,462 | 225 | 34,815 | 1891 | 2,531 | 2,376,403 | 2,560 | 2,414,384 |
| 1843 | 238 | 44,305 | 230 | 28,045 | 1892 | 2,255 | 2,260,358 | 2,266 | 2,267,419 |
| 1844 | 229 | 30,447 | 247 | 35,151 | 1893 | 1,889 | 2,041,434 | 1,887 | 2,052,981 |
| 1845 | 273 | 31,840 | 291 | 31,613 | 1894 | 2,083 | 2,198,444 | 2,045 | 2,161,893 |
| 1846 | 349 | 41,220 | 340 | 36,290 | 1895 | 1,948 | 2,216,553 | 1,889 | 2,201,930 |
| 1847 | 423 | 48,654 | 425 | 49,415 | 1896 | 1,882 | 2,313,015 | 1,900 | 2,326,503 |
| 1848 | 469 | 68,703 | 446 | 55,978 | 1897 | 1,888 | 2,476,307 | 1,882 | 2,467,154 |
| 1849 | 484 | 98,560 | 460 | 84,240 | 1898 | 2,008 | 2,512,433 | 2,043 | 2,523,860 |
| 1850 | 555 | 109,764 | 508 | 88,485 | 1899 | 2,024 | 2,705,530 | 2,031 | 2,721,656 |
| | | | | | 1900 | 1,928 | 2,948,190 | 1,935 | 2,959,445 |
| 1851 | 712 | 131,503 | 658 | 112,787 | | | | | |
| 1852 | 1,657 | 414,768 | 1,475 | 355,918 | 1901 | 2,418 | 3,446,671 | 2,347 | 3,376,603 |
| 1853 | 2,594 | 733,053 | 2,268 | 675,538 | 1902 | 2,278 | 3,420,517 | 2,286 | 2,426,685 |
| 1854 | 2,596 | 807,357 | 2,607 | 811,658 | 1903 | 2,204 | 3,464,007 | 2,263 | 3,503,915 |
| 1855 | 1,907 | 560,581 | 1,995 | 590,891 | 1904 | 2,495 | 3,991,907 | 2,503 | 3,969,394 |
| 1856 | 1,920 | 547,254 | 1,959 | 547,003 | 1904 | 2,376 | 4,053,941 | 2,274 | 3,921,037 |
| 1857 | 2,190 | 705,712 | 2,207 | 695,513 | 1906 | 2,163 | 4,102,148 | 2,160 | 4,106,264 |
| 1858 | 2,034 | 658,505 | 2,015 | 651,546 | 1907 | 2,219 | 4,271,082 | 2,216 | 4,259,647 |
| 1859 | 2,026 | 644,309 | 2,056 | 672,135 | 1908 | 2,293 | 4,560,813 | 2,290 | 4,544,082 |
| 1860 | 1,814 | 590,977 | 1,841 | 608,753 | 1909 | 2,174 | 4,579,310 | 2,157 | 4,586,752 |
| | | | | | 1910 | 2,308 | 5,031,757 | 2,310 | 5,034,297 |
| 1861 | 1,778 | 558,010 | 1,820 | 549,487 | | | | | |
| 1862 | 1,715 | 565,115 | 1,768 | 591,231 | 1911 | 2,335 | 5,222,684 | 2,347 | 5,239,721 |
| 1863 | 1,739 | 634,077 | 1,782 | 627,972 | 1912 | 2,399 | 5,513,236 | 2,385 | 5,497,644 |
| 1864 | 1,816 | 630,154 | 1,896 | 651,912 | 1913 | 2,481 | 6,045,533 | 2,469 | 5,997,009 |
| 1865 | 1,743 | 590,298 | 1,823 | 608,971 | 1914 | 1,281 | 3,201,258 | 1,297 | 3,259,895 |
| 1866 | 2,078 | 660,411 | 2,203 | 686,587 | 1914-15 | 2,324 | 5,374,969 | 2,329 | 5,394,024 |
| 1867 | 1,847 | 602,756 | 1,955 | 626,929 | 1915-16 | 2,392 | 5,014,338 | 2,385 | 4,980,926 |
| 1868 | 2,067 | 663,848 | 2,172 | 696,205 | 1916-17 | 1,962 | 4,107,706 | 1,967 | 4,115,099 |
| 1869 | 2,320 | 732,850 | 2,334 | 742,693 | 1917-18 | 1,721 | 2,917,428 | 1,724 | 2,919,894 |
| 1870 | 2,039 | 674,417 | 2,187 | 692,030 | 1918-19 | 1,730 | 2,917,053 | 1,709 | 2,861,134 |
| | | | | | 1919-20 | 1,792 | 4,051,258 | 1,809 | 4,085,728 |
| 1871 | 2,137 | 673,643 | 2,257 | 703,130 | | | | | |
| 1872 | 2,104 | 677,031 | 2,234 | 705,572 | 1920-21 | 2,246 | 4,737,969 | 2,248 | 4,726,480 |
| 1873 | 2,187 | 768,238 | 2,226 | 775,157 | 1921-22 | 2,442 | 5,594,500 | 2,436 | 5,606,963 |
| 1874 | 2,100 | 789,583 | 2,122 | 805,229 | 1922-23 | 2,634 | 6,717,464 | 2,634 | 6,725,202 |
| 1875 | 2,171 | 853,874 | 2,223 | 846,877 | 1923-24 | 2,666 | 6,891,354 | 2,676 | 6,858,208 |
| 1876 | 2,086 | 823,063 | 2,150 | 860,621 | 1924-25 | 2,577 | 6,916,615 | 2,605 | 6,986,720 |
| 1877 | 2,192 | 954,743 | 2,219 | 950,336 | 1925-26 | 2,470 | 6,589,654 | 2,447 | 7,107,045 |
| 1878 | 2,119 | 967,026 | 2,173 | 977,112 | 1926-27 | 2,667 | 7,302,501 | 2,666 | 7,295,999 |
| 1879 | 2,084 | 978,545 | 2,083 | 992,818 | 1927-28 | 2,589 | 6,954,668 | 2,608 | 6,979,565 |
| 1880 | 2,076 | 1,096,201 | 2,115 | 1,118,685 | 1928-29 | 2,474 | 6,907,201 | 2,466 | 6,924,691 |
| | | | | | 1929-30 | 2,499 | 7,021,970 | 2,488 | 6,987,801 |
| 1881 | 2,125 | 1,238,800 | 2,123 | 1,211,813 | | | | | |
| 1882 | 2,089 | 1,370,746 | 2,079 | 1,363,327 | 1930-31 | 2,166 | 6,260,594 | 2,181 | 6,338,450 |
| 1883 | 2,023 | 1,488,261 | 2,064 | 1,523,647 | 1931-32 | 2,097 | 6,092,331 | 2,101 | 6,115,264 |
| 1884 | 1,986 | 1,594,347 | 1,989 | 1,607,823 | 1932-33 | 2,343 | 6,796,268 | 2,296 | 6,781,258 |

INTERSTATE AND OVERSEAS SHIPPING, VICTORIA - *continued*

| Year (a) | Shipping entered | | Shipping cleared | | Cargo | | | |
|------------|------------------|------------|------------------|------------|--------------------|-------------------------|--------------------|-------------------------|
| | Vessels | Net tonnes | Vessels | Net tonnes | Shipped | | Discharged | |
| | | '000 | | '000 | '000 tonnes weight | '000 tonnes measurement | '000 tonnes weight | '000 tonnes measurement |
| 1933-34 | 2,393 | 6,900 | 2,359 | 6,884 | 1,376 | 435 | 2,515 | 673 |
| 1934-35 | 2,603 | 7,555 | 2,585 | 7,526 | 1,558 | 458 | 3,013 | 755 |
| 1935-36 | 2,719 | 8,067 | 2,711 | 8,035 | 1,752 | 481 | 3,375 | 821 |
| 1936-37 | 2,848 | 8,229 | 2,849 | 8,200 | 2,032 | 518 | 3,610 | 886 |
| 1937-38 | 3,019 | 8,675 | 2,991 | 8,658 | 2,137 | 712 | 3,922 | 1,094 |
| 1938-39 | 2,979 | 8,674 | 2,989 | 8,616 | 1,480 | 596 | 3,808 | 974 |
| 1939-40 | 2,658 | 7,138 | 2,672 | 7,206 | 1,329 | 844 | 3,122 | 1,682 |
| 1940-41 | 2,465 | 5,680 | 2,473 | 5,658 | 1,278 | 1,037 | 3,380 | 1,514 |
| 1941-42 | 2,154 | 4,523 | 2,139 | 4,531 | 1,174 | 993 | 3,766 | 1,367 |
| 1942-43 | 1,681 | 3,335 | 1,678 | 3,313 | 1,044 | 940 | 3,296 | 1,010 |
| 1943-44 | 1,494 | 3,049 | 1,499 | 3,034 | 1,099 | 873 | 3,013 | 998 |
| 1944-45 | 1,412 | 3,047 | 1,444 | 3,147 | 1,051 | 1,119 | 3,475 | 817 |
| 1945-46 | 1,442 | 3,542 | 1,434 | 3,538 | 899 | 820 | 3,392 | 716 |
| 1946-47 | 1,679 | 4,922 | 1,659 | 4,881 | 1,178 | 843 | 3,449 | 786 |
| 1947-48 | 1,846 | 5,770 | 1,825 | 5,698 | 1,544 | 714 | 3,907 | 870 |
| 1948-49 | 2,068 | 7,168 | 2,709 | 7,205 | 1,388 | 851 | 4,083 | 1,267 |
| 1949-50 | 2,315 | 8,439 | 2,314 | 8,435 | 1,532 | 797 | 4,539 | 1,752 |
| 1950-51 | 2,287 | 8,666 | 2,316 | 8,737 | 1,726 | 744 | 5,050 | 1,924 |
| 1951-52 | 2,316 | 8,889 | 2,328 | 8,982 | 1,508 | 758 | 5,305 | 2,229 |
| 1952-53 | 2,448 | 8,764 | 2,437 | 8,727 | 1,443 | 870 | 4,825 | 927 |
| 1953-54 | 2,546 | 9,158 | 2,541 | 9,155 | 1,339 | 1,037 | 5,169 | 1,457 |
| 1954-55 | 2,718 | 10,111 | 2,719 | 10,109 | 2,181 | 1,108 | 6,259 | 1,857 |
| 1955-56 | 2,757 | 10,707 | 2,755 | 10,641 | 2,593 | 1,044 | 7,365 | 1,897 |
| 1956-57 | 2,698 | 10,035 | 2,699 | 9,993 | 2,673 | 1,022 | 7,190 | 1,423 |
| 1957-58 | 2,830 | 10,542 | 2,801 | 10,440 | 2,503 | 1,027 | 7,432 | 1,553 |
| 1958-59 | 2,899 | 11,156 | 2,899 | 11,138 | 2,774 | 1,030 | 7,787 | 1,499 |
| 1959-60 | 2,983 | 11,882 | 2,987 | 11,889 | 2,920 | 1,211 | 8,038 | 1,947 |
| 1960-61 | 3,054 | 12,993 | 3,060 | 13,070 | 3,662 | 1,182 | 8,129 | 2,505 |
| 1961-62 | 3,210 | 13,743 | 3,198 | 13,624 | 4,340 | 1,164 | 8,191 | 1,691 |
| 1962-63 | 3,177 | 13,806 | 3,189 | 13,804 | 4,862 | 1,096 | 9,602 | 1,904 |
| 1963-64 | 3,360 | 14,850 | | | 5,106 | 1,421 | 9,460 | 2,152 |
| 1964-65 | 3,316 | 15,342 | | | 4,132 | 1,545 | 9,892 | 2,497 |
| 1965-66 | 3,418 | 15,361 | | | 3,803 | 1,563 | 9,614 | 2,498 |
| 1966-67 | 3,332 | 15,974 | 3,331 | 15,929 | 4,319 | 1,575 | 11,178 | 2,529 |
| 1967-68 | 3,226 | 15,813 | 3,225 | 15,812 | 3,509 | 1,699 | 11,114 | 2,812 |
| 1968-69 | 3,317 | 16,587 | 3,295 | 16,448 | 3,442 | 1,734 | 11,465 | 3,129 |
| 1969-70 | 3,364 | 18,669 | 3,352 | 18,615 | 5,628 | 2,105 | 11,357 | 3,414 |
| 1970-71 | 3,323 | 19,263 | 3,334 | 19,364 | 11,664 | 2,354 | 7,778 | 3,435 |
| 1971-72 | 3,618 | 21,676 | 3,606 | 21,534 | 14,721 | 2,334 | 7,202 | 3,716 |
| 1972-73 | 3,540 | 20,825 | 3,507 | 20,775 | 12,153 | 2,715 | 6,075 | 4,189 |
| 1973-74 | 3,449 | 21,088 | 3,450 | 21,264 | 15,406 | 2,621 | 7,228 | 5,016 |
| 1974-75 | 3,435 | 20,692 | 3,470 | 21,038 | 15,257 | 2,396 | 5,978 | 4,969 |
| 1975-76 | 3,203 | 20,265 | 3,212 | 20,437 | 15,893 | 1,870 | 5,421 | 4,517 |
| 1976-77 | 3,311 | 21,411 | 3,294 | 21,245 | 17,600 | 905 | 6,421 | 3,898 |
| 1977-78 | 2,723 | 19,080 | 2,749 | 19,361 | 17,909 | 1,255 | 5,277 | 2,530 |
| 1978-79(b) | 1,551 | 13,633 | 1,566 | 13,485 | 5,970 | 579 | 2,972 | 2,239 |

(a) 1837 to 1913 figures are for the year ended 31 December.

1914 figures are for the six months ended 30 June.

1914-15 to 1981-82 figures are for the year ended 30 June.

(b) Figures on the above basis not available after 1978-79.

ESSENDON AND MELBOURNE AIRPORTS, VICTORIA

| Year | Domestic aircraft (a) | | | | International aircraft (b) | | | |
|------|-----------------------|------------|-------------|------------------------|----------------------------|------------|-------------|------------------------|
| | Number of movements | Passengers | | Freight handled tonnes | Number of movements | Passengers | | Freight handled tonnes |
| | | Embarked | Disembarked | | | Embarked | Disembarked | |
| 1960 | 37,436 | 579,985 | 590,623 | 29,310 | 931 | 9,294 | 11,514 | 364 |
| 1961 | 37,599 | 571,063 | 574,661 | 23,672 | 896 | 10,589 | 11,072 | 281 |
| 1962 | 36,354 | 584,471 | 589,395 | 22,467 | 834 | 10,607 | 12,438 | 283 |
| 1963 | 39,928 | 632,768 | 644,669 | 22,649 | 844 | 13,059 | 15,772 | 359 |
| 1964 | 46,418 | 743,352 | 753,155 | 25,739 | 1,085 | 17,768 | 20,161 | 447 |
| 1965 | 47,938 | 856,536 | 849,203 | 34,965 | 1,201 | 19,866 | 23,440 | 500 |
| 1966 | 48,243 | 890,043 | 896,483 | 36,850 | 1,120 | 20,425 | 22,359 | 436 |
| 1967 | 50,312 | 981,729 | 990,201 | 39,459 | 1,036 | 22,353 | 26,092 | 576 |
| 1968 | 50,066 | 1,075,898 | 1,069,415 | 40,360 | 1,018 | 23,643 | 25,634 | 688 |
| 1969 | 54,192 | 1,201,469 | 1,229,748 | 47,140 | 1,021 | 27,252 | 28,812 | 687 |
| 1970 | 59,050 | 1,343,510 | 1,358,451 | 49,272 | 2,165 | 51,035 | 49,438 | 1,862 |
| 1971 | 58,064 | 1,401,134 | 1,410,682 | 48,318 | 4,309 | 89,962 | 95,132 | 4,063 |
| 1972 | 59,985 | 1,475,295 | 1,475,621 | 47,466 | 5,758 | 135,303 | 144,932 | 5,144 |
| 1973 | 67,517 | 1,798,331 | 1,783,826 | 56,509 | 6,127 | 193,375 | 214,357 | 9,075 |
| 1974 | 72,037 | 1,994,115 | 1,996,732 | 61,187 | 6,390 | 222,738 | 242,759 | 10,732 |
| 1975 | 71,946 | 2,068,415 | 2,068,923 | 55,366 | 7,278 | 268,607 | 283,019 | 12,277 |
| 1976 | 68,473 | 2,065,897 | 2,063,022 | 60,114 | 7,528 | 318,345 | 335,184 | 15,317 |
| 1977 | 68,558 | 2,144,619 | 2,146,831 | 59,013 | 8,578 | 332,207 | 353,012 | 15,175 |
| 1978 | 72,308 | 2,335,629 | 2,331,760 | 62,919 | 9,485 | 355,064 | 384,207 | 20,112 |
| 1979 | 70,065 | 2,451,235 | 2,457,658 | 72,680 | 9,131 | 435,224 | 457,986 | 24,383 |
| 1980 | 72,024 | 2,584,254 | 2,589,151 | 69,763 | 9,907 | 468,359 | 503,017 | 28,418 |
| 1981 | 66,499 | 2,518,313 | 2,519,984 | 74,377 | 9,719 | 458,348 | 497,436 | 35,189 |
| 1982 | 61,102 | 2,414,298 | 2,416,548 | 72,678 | 10,710 | 462,458 | 505,544 | 40,734 |
| 1983 | 57,497 | 2,210,982 | 2,223,002 | 87,950 | 9,481 | 450,591 | 468,780 | 42,836 |
| 1984 | 57,437 | 2,322,043 | 2,324,453 | 99,455 | 10,575 | 513,324 | 560,217 | 54,547 |
| 1985 | r61,241 | r2,529,000 | r2,531,000 | 102,961 | 11,359 | 561,697 | 594,984 | 65,434 |
| 1986 | r64,196 | r2,616,000 | r2,623,000 | 94,121 | 12,691 | 611,950 | 649,970 | 70,495 |
| 1987 | 67,314 | r2,785,000 | r2,785,000 | 90,132 | 13,619 | 662,728 | 737,945 | 80,102 |
| 1988 | 69,227 | r3,022,000 | r3,012,164 | 99,005 | 13,907 | 731,332 | 794,036 | 82,297 |
| 1989 | r53,275 | r2,350,000 | r2,367,000 | r68,482 | 14,697 | r1,629,282 | | n.a. |
| 1990 | 62,674 | 2,953,000 | 2,956,000 | 74,193 | 15,900 | 1,714,900 | | n.a. |

(a) Domestic aircraft movements commenced at Melbourne Airport on 20 June 1971

(b) International aircraft movements commenced at Melbourne Airport on 1 July 1970.

COMMUNICATIONS

VICTORIAN POST OFFICE

| Year | Postage | | Year | Postage | | Year | Postage | | Number of telephone subscribers (b) |
|------|-------------------|----------------------|------|-----------------------|----------------------|------|-----------------------|----------------------|-------------------------------------|
| | Number of letters | Number of newspapers | | Number of letters (a) | Number of newspapers | | Number of letters (a) | Number of newspapers | |
| | '000 | '000 | | '000 | '000 | | '000 | '000 | |
| 1837 | 1 | 1 | 1859 | 6,649 | 5,051 | 1881 | 26,308 | 11,441 | |
| 1838 | 7 | 3 | 1860 | 8,116 | 5,683 | 1882 | 28,878 | 12,384 | |
| 1839 | 16 | 23 | | | | 1883 | 30,962 | 13,982 | |
| 1840 | 32 | 70 | 1861 | 6,110 | 4,277 | 1884 | 33,404 | 15,143 | |
| | | | 1862 | 6,277 | 4,909 | 1885 | 36,062 | 16,277 | |
| 1841 | 57 | 120 | 1863 | 6,636 | 4,931 | 1886 | 38,392 | 17,482 | |
| 1842 | 97 | 147 | 1864 | 6,790 | 5,672 | 1887 | 41,288 | 18,869 | 1,121 |
| 1843 | 129 | 155 | 1865 | 7,486 | 6,038 | 1888 | 47,701 | 21,703 | 1,637 |
| 1844 | 117 | 134 | 1866 | 8,631 | 5,438 | 1889 | 48,097 | 20,663 | 1,988 |
| 1845 | 127 | 151 | 1867 | 9,568 | 4,908 | 1890 | 62,526 | 22,729 | 2,307 |
| 1846 | 139 | 205 | 1868 | 9,750 | 4,974 | | | | |
| 1847 | 178 | 250 | 1869 | 10,583 | 5,251 | 1891 | | | 2,439 |
| 1848 | 210 | 310 | 1870 | 11,133 | 5,287 | 1892 | | | 2,414 |
| 1849 | 262 | 323 | | | | 1893 | | | 2,308 |
| 1850 | 382 | 381 | 1871 | 11,716 | 5,173 | 1894 | | | 2,398 |
| | | | 1872 | 12,941 | 5,491 | 1895 | | | 2,609 |
| 1851 | 504 | 457 | 1873 | 14,475 | 6,080 | 1896 | | | 2,754 |
| 1852 | 972 | 710 | 1874 | 15,739 | 6,867 | 1897 | | | 3,088 |
| 1853 | 2,039 | 1,619 | 1875 | 17,134 | 7,553 | 1898 | | | 3,630 |
| 1854 | 2,674 | 2,395 | 1876 | 18,964 | 9,010 | 1899 | | | 4,407 |
| 1855 | 2,991 | 2,350 | 1877 | 20,911 | 9,809 | 1900 | 74,291 | 25,466 | 5,136 |
| 1856 | 3,221 | 2,906 | 1878 | 22,325 | 10,697 | | | | |
| 1857 | 3,900 | 2,982 | 1879 | 23,216 | 10,075 | | | | |
| 1858 | 5,026 | 4,265 | 1880 | 24,195 | 10,641 | | | | |

POSTMASTER-GENERAL'S DEPARTMENT, VICTORIA

| Year | Telephone services in operations (lines connected) (c) | Letters, etc., posted in Victoria and received from overseas (d) | Year | Telephone services in operation (lines connected) (c) | Letters, etc., posted in Victoria and received from overseas (d) |
|------|--|--|---------|---|--|
| | | '000 | | | |
| 1901 | 6,049 | 123,807 | 1913 | 30,640 | 224,748 |
| 1902 | 6,847 | 137,711 | 1914 | 34,071 | 221,732 |
| 1903 | 7,610 | 143,412 | 1915-16 | 36,372 | 219,296 |
| 1904 | 8,429 | 149,746 | 1916-17 | 38,025 | 230,950 |
| 1905 | 9,269 | 155,708 | 1917-18 | 40,754 | 219,847 |
| 1906 | 10,423 | 162,337 | 1918-19 | 44,035 | 211,097 |
| 1907 | 12,885 | 170,351 | 1919-20 | 49,017 | 213,121 |
| 1908 | 14,993 | 178,421 | | | |
| 1909 | 17,108 | 168,830 | 1920-21 | 52,791 | 197,137 |
| 1910 | 20,343 | 181,145 | 1921-22 | 55,986 | 211,279 |
| | | | 1922-23 | 61,412 | 227,012 |
| 1911 | 23,504 | 195,747 | 1923-24 | 71,362 | 247,457 |
| 1912 | 27,652 | 211,021 | | | |

POSTMASTER-GENERAL'S DEPARTMENT, VICTORIA - *continued*

| Year | Telephone services in operation (lines connected) (c) | Letters, etc., posted in Victoria and received from overseas (d) | Licences in force (e) - | | Combined broadcast and television receiver (f) |
|---------|---|--|-------------------------|---------------------|--|
| | | | Broadcast receiver | Television receiver | |
| | | | '000 | | |
| 1924-25 | 83,640 | 265,567 | 19,243 | | |
| 1925-26 | 93,215 | 277,449 | 63,494 | | |
| 1926-27 | 101,891 | 293,123 | 113,612 | | |
| 1927-28 | 108,678 | | 137,503 | | |
| 1928-29 | 114,603 | | 142,534 | | |
| 1929-30 | 118,074 | | 139,887 | | |
| 1930-31 | 113,282 | | | | |
| 1931-32 | 110,213 | 253,746 | 139,323 | | |
| 1932-33 | 110,386 | 252,462 | 170,995 | | |
| 1933-34 | 113,983 | 275,765 | 206,995 | | |
| 1934-35 | 121,631 | 281,946 | 236,886 | | |
| 1935-36 | 128,313 | 275,835 | 263,414 | | |
| 1936-37 | 135,751 | 271,983 | 288,717 | | |
| 1937-38 | 143,657 | 289,748 | 315,406 | | |
| 1938-39 | 150,570 | 295,450 | 327,579 | | |
| 1939-40 | 157,081 | 291,328 | 348,158 | | |
| 1940-41 | 164,051 | 291,252 | 362,790 | | |
| 1941-42 | 167,909 | 306,212 | 371,502 | | |
| 1942-43 | 170,780 | 304,406 | 390,950 | | |
| 1943-44 | 175,526 | 307,350 | 419,325 | | |
| 1944-45 | 181,685 | 319,549 | 412,317 | | |
| 1945-46 | 190,507 | 321,213 | 415,785 | | |
| 1946-47 | 202,769 | 331,509 | 499,944 | | |
| 1947-48 | 214,997 | 327,250 | 505,106 | | |
| 1948-49 | 228,635 | 369,762 | 531,722 | | |
| 1949-50 | 245,899 | 404,204 | 557,556 | | |
| 1950-51 | 272,646 | 437,229 | 586,393 | | |
| 1951-52 | 297,415 | 421,575 | 520,364 | | |
| 1952-53 | 319,107 | 423,312 | 533,329 | | |
| 1953-54 | 340,756 | 460,644 | 545,148 | | |
| 1954-55 | 366,648 | 465,998 | 549,690 | | |
| 1955-56 | 395,307 | 485,795 | 554,339 | | |
| 1956-57 | 416,881 | 504,362 | 554,909 | 44,986 | |
| 1957-58 | 442,767 | 545,180 | 557,960 | 147,721 | |
| 1958-59 | 468,827 | 572,835 | 605,340 | 270,073 | |
| 1959-60 | 487,853 | 570,102 | 606,587 | 353,091 | |
| 1960-61 | 508,567 | 608,758 | 589,437 | 401,395 | |
| 1961-62 | 536,229 | | 585,752 | 460,558 | |
| 1962-63 | 568,946 | 676,607 | 607,036 | 530,256 | |
| 1963-64 | 601,714 | 726,113 | 622,663 | 581,286 | |
| 1964-65 | 631,950 | 728,800 | 512,205 | 488,583 | 132,413 |
| 1965-66 | 660,974 | 778,531 | 141,630 | 87,649 | 574,955 |
| 1966-67 | 693,134 | 817,329 | 114,778 | 92,822 | 598,035 |
| 1967-68 | 727,575 | 790,280 | 94,982 | 96,789 | 629,729 |
| 1968-69 | 770,162 | 792,431 | 80,833 | 99,266 | 647,814 |
| 1969-70 | 824,227 | 754,282 | 72,051 | 107,362 | 675,457 |
| 1970-71 | 864,044 | 837,861 | 64,298 | 115,613 | 690,464 |
| 1971-72 | 896,615 | 813,794 | 58,390 | 111,921 | 699,652 |
| 1972-73 | 948,344 | 837,618 | 53,588 | 114,721 | 722,583 |
| 1973-74 | 1,011,355 | 837,678 | (g)48,870 | (g)103,451 | (g)732,832 |
| 1974-75 | 1,061,965 | 803,289 | | | |

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