

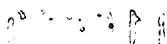
OFFICIAL  
YEAR BOOK  
OF THE  
COMMONWEALTH  
OF AUSTRALIA

No. 56, 1970

*Prepared under instructions from the Honourable the Treasurer by*

J. P. O'NEILL

ACTING COMMONWEALTH STATISTICIAN



COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, AUSTRALIA

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## PREFACE

By the Constitution of the Commonwealth of Australia, the Parliament of the Commonwealth is empowered, subject to the Constitution, 'to make laws for the peace, order, and good government of the Commonwealth, with respect to . . . Census and statistics.' In the exercise of the power so conferred, a Census and Statistics Act was passed in 1905, and in the year following the Commonwealth Bureau of Census and Statistics was created. The first Official Year Book was published early in 1908. The publication here presented is the fifty-sixth Official Year Book issued under the authority of the Commonwealth Government.

The special index (preceding the general index) provided at the end of the volume, together with certain references given in the various chapters, will assist in tracing in previous issues special articles and other more or less important miscellaneous matter which, in order to conserve space, have been omitted or abbreviated in the present volume. Where, in the general index, more than one reference to a subject is given, the chief reference (or references) has been specially indicated wherever possible.

In this issue there has been some slight change in the order of chapters. An effort has been made to reduce the overall size of the book and this has necessitated the deletion of some detailed material, particularly at the State level, for which the reader is referred either to an earlier issue or to other specialised publications. In the process of revising the content some chapters have been substantially re-arranged and these include present chapters 13, 14, 15, 17, 18, 20 and 29.

Among new or revised material included the following items may be especially mentioned.

Chapter 6. International Relations. New tables on Australia's contributions in international aid (pages 113-4).

Chapter 7. Population. A section showing selected characteristics of the Aboriginal population at the 1966 Census is included on pages 138-42.

Chapter 8. Vital Statistics. A new table showing long-term age-specific death rates, page 181. The tables showing Causes of Death have been amended to incorporate the Eighth (1965) Revision of the International Classification of Diseases (pages 185-8).

Chapter 12. Transport, Communication and Travel. Special article 'Standardisation of railway gauges' to mark the completion of the Sydney-Perth link. The section on private railways has been expanded (page 364).

Chapter 14. Public Health. Details of a Survey of Chronic Illnesses, Injuries and Impairments are contained in the Appendix.

Chapter 17. Private Finance. Three new tables containing details of Permanent Building Societies are shown on pages 531-2.

Chapter 18. Public Finance. A new table showing Expenditure on War and Defence is given on page 544.

Chapter 20. Education, Cultural Activities and Research. Results of a Survey of Post-School Study Courses are shown on pages 642-4. The section on Colleges of Advanced Education has been expanded.

Chapter 21. Employment and Unemployment. Some results of a Survey of Child Care are shown on pages 705-8.

Chapter 31. Australian Integrated Economic Censuses, 1968-69. This is a special chapter for this issue setting out the aims, the concepts and the methods employed in the 1968-69 integrated censuses of manufacturing, mining, wholesaling and retailing.

The usual series of graphs has been revised and extended.

The material in the Year Book has been carefully checked throughout, but I shall be grateful to those who will be kind enough to point out defects or make suggestions.

The statistics contained in the majority of the chapters of this volume relate to the years ended June or December 1969. More detailed statistics on subjects dealt with in the Year Book are available in the various annual reports published by this Bureau, and more recent statistics are contained in the *Digest of Current Economic Statistics* (monthly), the *Monthly Review of Business Statistics*, the *Quarterly Summary of Australian Statistics*, and in other publications issued monthly, quarterly, half-yearly, or yearly. These publications are listed in Statistical publications of Australia (see Chapter 30, Miscellaneous), and the last pages of this volume contain a list of current and recent printed publications available for purchase, showing issue numbers, dates, and prices.

A State Year Book is published by the Deputy Commonwealth Statistician of each State. These publications contain greater statistical detail and additional supplementary material concerning the individual States which cannot be accommodated in the Commonwealth Year Book. The Deputy Commonwealth Statisticians of all States also issue Pocket Year Books and a number of printed and mimeographed publications dealing with their respective States. These publications are listed, together with publications of the Central Bureau, in *Publications of the Commonwealth Bureau of Census and Statistics* issued annually by this Bureau.

My thanks are tendered to the Deputy Commonwealth Statisticians of the several States, who have collected and compiled the data on which a great part of the information given in the Year Book is based. Thanks are also tendered to the responsible officers of the various Commonwealth and State Departments and to others who have kindly, and often at considerable trouble, supplied information, and to the Government Printer and his staff for their services in printing this Year Book and in assisting and advising throughout its preparation.

This preface provides me with the opportunity to record a tribute to Mr K. M. Archer, O.B.E., who retired from the position of Commonwealth Statistician in October 1970 after a working life devoted to the government statistical service. The period since his appointment as Commonwealth Statistician in 1962 has been one of greatly accelerated development in all facets of the Bureau's work. There have been many new ventures including, for example, the planning and implementation of the 1968-69 censuses of manufacturing, mining, wholesaling and retailing, conducted on a fully integrated basis for the first time. Statistical procedures and techniques have been refined considerably, with extensive use being made of sample survey methods, computer processing and other tools, to produce timely, reliable and relevant statistics. Indeed, Mr Archer was one of the first to recognise the benefits that would accrue from the introduction of electronic computing equipment, so that the Bureau now uses computers in its offices in Canberra and the State capital cities. Throughout his career he strove to foster greater statistical professionalism within the Bureau through in-service training, a statistical cadetship scheme and recruitment of graduates. The high international standing of Australian statistics was recognised in 1967 when the 36th Session of the International Statistical Institute and the 7th Conference of Asian Statisticians were held in Australia, and again in 1968 when Mr Archer was elected Chairman of the United Nations Statistical Commission. In the following year he was made an Honorary Fellow of the Royal Statistical Society. For his services to statistics in Australia, Her Majesty the Queen awarded Mr Archer an O.B.E. in 1965. Mr Archer has by his energy and foresight, done much to advance the development of official statistics in Australia.

J. P. O'NEILL  
Acting Commonwealth Statistician

Commonwealth Bureau of Census and Statistics,  
Canberra, A.C.T. 2600. November 1970

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## SYMBOLS AND OTHER FORMS OF USAGE IN THIS YEAR BOOK

The following *symbols*, where shown in tables, mean:

- n.a. —not available
- . . —nil or less than half the final digit shown, or not applicable
- p —preliminary—figure or series subject to revision
- r —figure or series revised since previous issue
- n.e.i.—not elsewhere included
- n.e.c.—not elsewhere classified
- n.s. —not stated
- m.—males; f.—females; p.—persons
- Break in continuity of series (where drawn across a column between two consecutive figures).

A blank space in a column of figures means that the figure concerned is not yet available.

The following *abbreviations* are used for the titles of the Australian States and Territories and the Commonwealth of Australia: N.S.W. (New South Wales), Vic. (Victoria), Qld (Queensland), S.A. (South Australia), W.A. (Western Australia), Tas. (Tasmania), N.T. (Northern Territory), A.C.T. (Australian Capital Territory), T.P.N.G. (Territory of Papua and New Guinea), Aust. (Australia), Cwlth (Commonwealth).

In general, the *statistics in this volume relate to the States and Territories of the Commonwealth of Australia*, i.e. they exclude particulars of the External Territories of Australia, which, however, are specifically dealt with in Chapter 29, *The Territories of Australia*. A few series elsewhere include particulars of the Territory of Papua and New Guinea because of the nature of the subject-matter—these series are indicated.

*Yearly periods* shown as e.g. 1969 refer to the year ended 31 December 1969; those shown as e.g. 1968–69 refer to the year ended 30 June 1969. Other yearly periods are specifically indicated. The range of years shown in table headings, e.g. 1901 to 1968–69, indicates the period covered, but does not necessarily imply that each intervening year is included.

*Values* are shown in Australian dollars (\$) or \$A) or cents (c) unless another currency is specified.

*Any discrepancies between totals and sums of components* in tables are due to rounding.

Unless otherwise indicated, the *British system of weights and measures* is used. The weights and measures used in recording production, etc. of different commodities are as follows:

Bushel (bus)	=	approximately 2,218 cubic inches
Gallon (gal)	=	Imperial gallon of approximately 277 cubic inches
Pound (lb)	=	pound avoirdupois
Cental	=	100 pounds
Hundredweight (cwt)	=	112 pounds
Ton	=	Long ton of 2,240 pounds
Short ton	=	2,000 pounds
Bale (of wool)	=	approximately 300 pounds

Cereals, fruit and certain other products are generally recorded in bushels. While the weight of a bushel varies according to the nature of the product, it is also subject to considerable variation for individual products on account of such things as variety and method of packing. However, average bushel equivalent weights, as set out below, may be used for the conversion of each of these products to pounds weight avoirdupois.

**BUSHEL WEIGHTS**  
(lb per bushel)

<i>Product</i>	<i>lb per bushel</i>	<i>Product</i>	<i>lb per bushel</i>	<i>Product</i>	<i>lb per bushel</i>
Apples . . . . .	42	Maize . . . . .	56	Pineapples . . . . .	42
Apricots . . . . .	48	Mandarins . . . . .	48	Plums and prunes . . . . .	58
Bananas . . . . .	56	Mangoes . . . . .	40	Pollard . . . . .	20
Barley . . . . .	50	Millet . . . . .	60	Potatoes . . . . .	60
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Beans, French (green) . . . . .	20	Nectarines . . . . .	50	Rape . . . . .	56
Bran . . . . .	20	Nuts, other than peanuts . . . . .	40	Raspberries . . . . .	30
Canary seed . . . . .	56	Oats . . . . .	40	Rice . . . . .	42
Cherries . . . . .	48	Onions . . . . .	56	Rye . . . . .	60
Clover seed . . . . .	60	Oranges . . . . .	48	Setaria . . . . .	60
Custard apples . . . . .	35	Panicum . . . . .	60	Sorghum . . . . .	60
Figs . . . . .	44	Papaws . . . . .	24	Soya beans . . . . .	60
Flax seed (pure seed) . . . . .	56	Passion fruit . . . . .	34	Strawberries . . . . .	30
Flour . . . . .	56	Peaches . . . . .	45	Sunflower seed . . . . .	33
Grapefruit . . . . .	42	Peanuts . . . . .	22	Tares . . . . .	60
Grass seed (most varieties) . . . . .	20	Pears . . . . .	45	Tomatoes . . . . .	48
Lemons . . . . .	48	Peas, field (dry) . . . . .	60	Wheat . . . . .	60
Loquats . . . . .	45	Peas in pod (green) . . . . .	28		
Lucerne seed . . . . .	60	Persimmons . . . . .	44		

## CORRIGENDA

### PAGE

- 169—Table **FERTILITY OF MARRIAGES** year 1968 *for 2.09 read 2.33*
- 413—Table **EMPLOYMENT, SICKNESS AND SPECIAL BENEFITS: SUMMARY**, *Number admitted to benefit during year, Unemployment—1966–67 for 151,024 read 150,780*
- 433—Table **SCHOOL HEALTH SERVICES**, Dental examinations—Children examined; *W.A.—for 11,048 read 17,460; Tas.—for n.a. read (a)45,609; N.T.—for 12,370 read 12,920*. Dental examinations—Number treated; *W.A.—for 2,800 read n.a.; Tas.—for 42,994 read n.a.; N.T.—for n.a. read 12,270*
- 443—Table **CONVICTIONS FOR CERTAIN SERIOUS OFFENCES AT MAGISTRATES' COURTS, AUSTRALIA, 1968 for 93,910 read 93,915**
- 748—Table **ALIENATION AND OCCUPATION OF CROWN LANDS, 1969, Australia (per cent) for 160.8 read 9.4; for 17.9 read 2.5; for 381.4 read 56.1; for 239.9 read 32.2**

