# YEAR BOOK AUSTRALIA 1988

IAN CASTLES

Australian Statistician

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Year after year, ever since 1908, the Australian Year Book has been published annually without fuss or fanfare, providing each year a new source of information about, and for, Australia and Australians. It is hard to think of any single national development of note were the past eighty years on which the Year Books do not throw light. Here, in one vablication, is a continuous record of government policies, international relationships and a concise statistical summary of every facet of Australia's economy and society. Through the Year Books, one can scan eighty years of life on this continent, tracing the changes and noting the trends. The Year Books have included, too, from time to time, special articles of topical interest, thus adding unexpected treasure troves of detail to the broad brush-strokes of history.

As we enter this, our Bicentennial Year, it is appropriate that that faithful mirror of Australia past and present, the Australian Year Book, should accompany us, reflecting in its candid glass the nation in all its states and conditions. The strength of nations, as of individuals, lies in self-knowledge and there can be few better introductions to a knowledge of this nation than through its Year Books.

His Excellency the Right Honourable Sir Ninian Stephen,

A.K., G.C.M.G., G.C.V.O., K.B.E.
Governor-General of the Commonwealth
of Australia

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#### **PREFACE**

Year Book Australia is the principal reference work produced by the Central Office of the Australian Bureau of Statistics (ABS). It provides a comprehensive and detailed statistical review of various aspects of the economy and social conditions in Australia. In addition, it contains descriptive matter dealing with Australia's history, government, international relations, defence, climate, physiography, culture and environment.

The first Official Year Book of the Commonwealth was published early in 1908, though individual Australian States and colonies had been producing year books for several decades before that. Year Book Australia 1988 is a commemorative edition, marking the bicentenary of permanent European settlement in Australia. As with its predecessors, the Year Book is issued under the authority of the Commonwealth Government. It follows a similar pattern to past issues but, in recognition of the bicentenary, an historical perspective has been included in many chapters.

A special feature is an historical study by Professor Colin Forster and Dr Cameron Hazlehurst entitled 'Australian Statisticians and the Development of Official Statistics'. The study tells of many Australian official statisticians who were among the world leaders in their profession — Archer, Hayter and Coghlan in the second half of the nineteenth century, and Knibbs, Wickens and Wilson in the first half of the twentieth. It also reveals that the first 'year book' produced in an Australian colony — the Victorian Year Book for 1873 — 'was a venture which probably had not been attempted elsewhere on an official basis'.

In addition to the special historical study, this *Year Book* contains nineteen briefer special articles prepared by contributors from various organisations, and many of the chapters have been revised and new material added.

More detailed, and in most cases more recent, statistics are available through other ABS dissemination media — printed publications, microfiche, magnetic tapes, floppy diskettes, Viatel, CD-ROM, etc. The ABS Catalogue of Publications (1101.0) lists all recent and current ABS publications.

I extend my thanks to the many persons from various organisations who have been involved in the preparation of this bicentennial issue of *Year Book Australia*. They have sought to maintain a valuable tradition which has been established in Australia for more than a century, and which was expressed by the Victorian Government Statist, in his Preface to the 1873 *Year Book*, in the following terms:

It will be my endeavor in this succession of volumes to record facts with correctness and impartiality; to comment upon them only so far as may be necessary to elucidate them properly; to set up no theories except such as may be fairly deducible from the materials before me; and, in drawing inferences, to exercise perfect fairness to all sections of the community.

Australian Bureau of Statistics Canberra June 1988

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#### **ACKNOWLEDGMENTS**

A number of government departments as well as private organisations and bodies have provided information in conjunction with the Australian Bureau of Statistics for inclusion in the Year Book.

The Bureau would like to thank the following institutions who either supplied basic material for the various chapters or advised on their preparation.

A.C.T. Electricity Authority

A.C.T. Health Authority

AGL Canberra Limited

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source Economics

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Australian Institute of Criminology

Australian Institute of Marine Science

Australian International Development Assist-

ance Bureau

Australian Meat and Livestock Corporation

Australian Mineral Industries Research Asso-

ciation Limited

Australian National Railways Commission

Australian Nuclear Science and Technology

Organisation

Australian Road Research Board

Australian Sports Commission

Australian Taxation Office

Australian Wheat Board

Australian Wool Corporation

Bureau of Meteorology

Bureau of Mineral Resources, Geology and

Geophysics

Commonwealth Grants Commission (Professor R. Mathews)

Commonwealth Scientific and Industrial Research Organisation

Division of Building Research

Water Resources Committee

Commonwealth Tertiary Education Commission

Defence Service Homes Corporation

Department of Aboriginal Affairs

Department of Administrative Services

Surveying and Land Information Group

Department of the Arts, Sport, the Environment, Tourism and Territories

A.C.T. Administration

A.C.T. Housing Trust

Arts Branch

**Environment Branch** 

Film Branch

Sport and Recreation Division

Department of Community Services and Health

Public Housing Branch

Department of Defence

Department of Employment, Education and Training

Department of Foreign Affairs and Trade

Department of Housing (New South Wales)

Department of Immigration, Local Government and Ethnic Affairs

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Department of Industrial Relations

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Department of Industry, Technology and Resources (Victoria)

Department of Lands and Housing (Northern Territory)

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Department of Primary Industries and Energy Fisheries Division

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Department of Prime Minister and Cabinet
Australian Bicentennial Authority

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Department of Transport and Communications Department of Water Resources (New South Wales)

Dumaresq-Barwon Border Rivers Commission, Brisbane

Engineering and Water Supply Department, Adelaide

Film Censorship Board

Industrial Design Council of Australia

Industries Assistance Commission Insurance and Superannuation Commissioner Life Insurance Commissioner Management and Investment Companies Licensing Board Metropolitan Transit Authority of Victoria National Arts Industry Training Committee National Association of Australian State Road Authorities National Association of Testing Authorities, Australia National Heart Foundation of Australia National Industry Extension Service National Library of Australia National Occupational Health and Safety Commission National Standards Commission Northern Territory Water Authority Overseas Telecommunications Commission, Australia Queensland Housing Commission

Queensland Railways Queensland Water Resources Commission Rail Industry Council Reserve Bank of Australia River Murray Commission Rivers and Water Supply Commission, Hobart Rural Water Commission of Victoria Services and Investment Limited South Australian Housing Trust Special Broadcasting Service Standards Association of Australia State Housing Commission of Western Australia State Rail Authority of New South Wales State Transport Authority, South Australia State Transport Authority of Victoria Tasmanian Housing Department Telecom Australia Victorian Ministry of Housing Water Authority of Western Australia Westrail

#### GENERAL INFORMATION

#### **Symbols**

The following symbols, where shown in columns of figures or elsewhere in tables, mean:

- n.a. not available
- n.y.a. not yet available
  - nil or rounded to zero
  - . . not applicable
  - n.p. not available for separate publication (but included in totals where applicable)
    - p preliminary—figure or series subject to revision
    - r figures or series revised since previous issue
- n.e.i. not elsewhere included
- n.e.c. not elsewhere classified
- n.e.s. not elsewhere specified
- break in continuity of series (where drawn across a column between two consecutive figures)
  - \* subject to sampling variability too high for most practical purposes. m.—males; f.—females; p.—persons.

#### Other forms of usage

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

In general, the statistics in this volume relate to the States and Territories of Australia, i.e. they exclude particulars of the External Territories of Australia, which, however, are specifically dealt with in Chapter 27, The Territories of Australia.

Yearly periods shown as e.g. 1986 refer to the year ended 31 December 1986; those shown as e.g. 1985-86 refer to the year ended 30 June 1986. Other yearly periods are specifically indicated. The range of years shown in table headings, e.g. 1901 to 1985-86 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.

Catalogue numbers. Throughout this book references are made to ABS publications. In each case the catalogue number is shown in brackets; this should be quoted when ordering these publications (see below).

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

#### Availability of ABS publications

Information regarding the availability of ABS publications and other products can be obtained from the Information Services Section, Australian Bureau of Statistics, P.O. Box 10, Belconnen, A.C.T. 2616, Australia, phone (062) 52 6627, or from ABS offices in any capital city in Australia.

A complete list of ABS publications produced in Canberra and in each of the State Offices is contained in the ABS Catalogue of Publications, Australia (1101.0) which is available from any ABS office.

In some cases, the ABS can also make available information which is not published. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, computer printout or clerically extracted tabulation. Generally, a charge is made for providing unpublished information. Inquiries may be made by contacting Information Services in the nearest ABS office.

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## AUSTRALIAN STATISTICIANS AND THE DEVELOPMENT OF OFFICIAL STATISTICS

#### Colin Forster and Cameron Hazlehurst

Colony of New Jouth Wales

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