MUSEUM OF VICTORIA ANNUAL REPORT 1985/6

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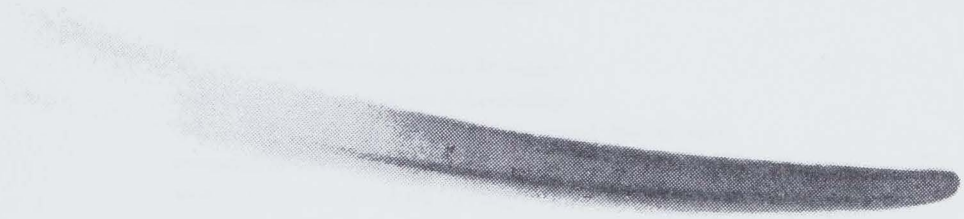

Designed by Marius Foley
Typeset by Meredith Typesetters, Richmond
Printed by the Victorian Government Printer

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REPORT OF THE COUNCIL — 1985-1986

To The Honourable the Minister for the Arts

Sir,

The Museum of Victoria Council presents herewith its Annual Report for the year ending 30 June, 1986, in accordance with Section 30 of the Museums Act 1983.

The Museum of Victoria is now three years old, following the merger in 1983 of the Science Museum of Victoria and the National Museum of Victoria. The strength of this merger, bringing together as it did dedicated staff and large valuable collections, is now beginning to be realised though further management and staffing arrangements are required.

During the year Council held 11 meetings. Office bearers were:

PRESIDENT — *Professor J.W. Warren*

DEPUTY PRESIDENT — *Mr D.H. Kemp*

TREASURER — *Mr I. Sinclair*

Three Council members retired at the end of 1985, Dr A.G. Serle, Ms Patsy Adam-Smith and Mr I.M. Hall, Mr Hall being a long standing member of the previous Science Museum Council. We wish to stress the importance of their contributions. Council was particularly pleased to note that two of its members were awarded the Order of Australia at the Queen's Birthday Honours, Professor F.R. Jevons and Dr A.G. Serle.

Whilst recognising that some staffing and administrative difficulties flow from the 1983 merger Council is obliged to call attention to one shortcoming which is more long standing and serious. This is the situation whereby the production of Council's Balance Sheet and Accounts and the processing of its underlying financial transactions are carried out by Ministry staff whom Council cannot appoint nor remove. Council has repeatedly recorded its concern over staff shortages in the financial section and the continued employment of inexperienced and underqualified staff, and the inability of Council to engage appropriate staff or override Public Service practices where inappropriate to commercial operations.

The Ministry's attention has been drawn to obvious internal control weaknesses and deficiencies in the system for recording and reporting of accounts. One result of these deficiencies is the inability of the Auditor General to form an opinion on Council's 1985/86 Balance Sheet and Accounts.

It is essential that the appropriate level of clerical staff required to manage and control both Vote and Council Funds be established and maintained at all times. Council has been informed that steps have been taken to correct the internal control weaknesses and accounting system deficiences. Council, however, does not have the resources to carry out its own internal audit review to ensure this is so and awaits further formal advice from the Auditor General.

Special attention must be called to The Story of Victoria *exhibition established with assistance from the State's 150 Anniversary Board. This exhibition focuses on human social events in an historical context, from Aboriginal times to the present predominantly European society. The Aboriginal theme is to be carried further through the dedication of a large gallery, Kershaw Hall, solely for Aboriginal matters, that is, displays of pre-European and contemporary Aboriginal society, and the inclusion of a class-room for educational activities. In keeping with this, the Museum*

formally affiliated with the recently established Victorian Aboriginal Cultural Heritage Trust to assist in acquiring and maintaining artefacts of Aboriginal origin.

Other significant exhibitions include the temporary SIO Great Exhibition *of Victoria, done with support from the State Insurance Office, and the permanent display of agricultural technology and its impact on society and the environment in the gallery, Rural Victoria. Also, the Museum worked for the first time with the International Cultural Corporation of Australia to mount an exhibition to tour the country. This was* Devils, Drugs and Doctors, *being an exhibition presenting historical aspects of medical practices and drawing heavily on items from the Science Museum, London.*

Two of the Museum's activities require special notice, (1) the Children's Museum and (2) the H.V. McKay Planetarium. The establishment of the Children's Museum is the realisation of a long-term goal through support from the 150 Anniversary Board and the work of dedicated people in the community. We refer with pride to the enclosed report of the Children's Museum which outlines the diversity of activities available, and highlights the need to develop further this important area of the Museum of Victoria.

The H.V. McKay Planetarium continues to offer exciting, educational programs. This year staff accepted the additional load of a 51% increase in attendance due to the appearance of Halley's Comet, with evening presentations taking place at Jells Park during the period the Comet was visible. The Planetarium has served Victoria well since 1965 but is now in need of refurbishment and updating, and it is hoped this may be undertaken in conjunction with future building plans.

This year saw the establishment of the Division of Human Studies to be responsible for the extensive ethnic collections and to strengthen a social history approach to public programs. Immediate attention focused on the continuing integration of Aboriginal input into Museum matters of direct concern to Aboriginal communities. Through its Aboriginal Cultural Heritage Committee the Museum participated in resolving some of the concerns surrounding the holding of Aboriginal human remains. As one example, some skeletal remains previously held in the Museum were re-buried in Kings Domain by Aboriginal people and with appropriate ceremony.

The research component of the Museum is as important as its more public face. The collections are extensively used as the basis of scholarship both within Australia and abroad, requiring the curatorial staff to process many requests for loans and here, as elsewhere, lack of adequate staff presents serious problems. The Museum is affiliated with Victoria's four universities and RMIT, and through their programs assists in the training of post-graduate students. There is also collaboration with other Government departments, CSIRO and overseas groups, for example, the Food and Agricultural Organization of the United Nations. The Visiting Scientist Program funded by Council further stimulates important interaction between staff and colleagues overseas.

The building complex housing the Museum also houses the State Library, and is managed by a joint committee under the Museum Act 1983. Management of this complex has improved since the 1984/85 Annual Report when the committee was frustrated by inaccurate advice on works and poor control of expenditures, leaving nearly 20% of an allocation of $917,000 unused. This year the works program has proceeded much more satisfactorily, achieving the completion of several necessary projects. Nevertheless, some issues of safety and security remain, in particular those hazards related to possible fire within the complex. Also, serious concern must accompany the severe deterioration of the historical facade facing Swanston Street. Because stone falling from this facade is a clear danger to persons below, it has been necessary to erect a barricade to restrict movement near the building and a protective canopy over the entrance. These eyesores will be in place indefinitely.

It has been acknowledged in Government reports over the past 30 years that the Museum is inadequately housed considering the value of its collections and its potential to serve Victoria. That situation is unchanged, but is being addressed by the State Library/Museum Building Advisory Committee. This Committee has overseen an architectural competition to construct new facilities on the existing site and the adjacent Queen Victoria Medical Centre site. Further, an independent committee under the chairmanship of Mr J. Arnold Hancock was established to supervise a major study to formulate a Brief for development of the Museum. This committee is expected to report in the second half of 1986.

The Museum of Victoria is growing in its ability and capacity as may be seen from the Divisional reports herewith, but many more gains are necessary to redress the more than 50 years of neglect. The public's demand is apparent through increasing attendances and the desire of outside groups to share in Museum functions. For example, the Museum provided the venue for this year's Mobil Business and Arts Awards in the presence of the Governor General. And, school groups continue to crowd the education facilities, and thousands of people visit the dungeons when they are opened on the annual International Museums Day.

The favourable progress of the Museum over this year has been due to many people. We are particularly grateful to members of the Friends of the Museum for their support and to the Volunteer Guides whose work within, and collateral to exhibitions is so vital. Sponsorship from corporate groups and trust bodies has been gratifying and absolutely necessary, and we are very appreciative. We also extend our thanks to personnel of the Ministry and to you, as Minister for the Arts, for continuing encouragement and support.

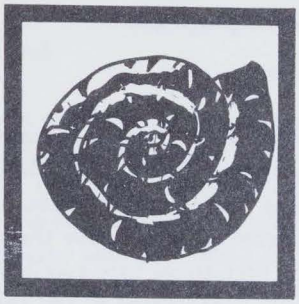
J.W. Warren
PRESIDENT

DIRECTOR'S REPORT ON ACTIVITIES FOR 1985-1986

To The President,
Council of the Museum of Victoria

Sir,

I present herewith for consideration by the Council of the Museum of Victoria and subsequent transmission to the Honourable the Minister for the Arts, this report for the period 1 July 1985 to 30 June 1986.



Natural History Division

THE DIVISION is responsible for the care and maintenance of the zoological and geological collections of the Museum. The staff carries out research relevant to these collections and provides an identification and information service for the general public, other scientists and Government Departments as well as for the display and educational activities of the Museum.

Staff have worked under considerable difficulties during this year, the most crippling being the high number of vacancies in the permanent staff. There are now five such vacancies. In October 1985, Dr P.A. Jell, Curator of Invertebrate Fossils, resigned to take up a position at the Queensland Museum. He was a scientist with an international reputation and his loss is a severe blow to the Museum. Dr B.J. Smith, Senior Curator, resigned in January 1986 after being with the Museum since January 1967. His experience and knowledge will be very difficult to replace.

The vacancies, particularly those of senior staff, mean that the Division cannot operate efficiently and effectively and cannot participate as it should in the public programs of the Museum. This problem is also reflected in a lower research output and a decline in the number of grants received from outside sources.

The Division was responsible for the production of *Memoir 46*, which appeared in July 1985 and contained six papers by Museum staff, and *Occasional Papers, Volume 2* which appeared in July 1985.

For administrative purposes the Division is divided into three sections: Geology, Invertebrate Zoology and Vertebrate Zoology.

Geology

The three Departments in this section are responsible for the State rock, mineral and fossil collections, which provide a record of the nature and composition of the earth and its past life over its entire history, with particular emphasis on Victoria.

Department of Mineralogy and Petrology

Research

The Mineralogy and Petrology Department's research program emphasised the study of possible new species from various localities. These included several species from the oxidized zone at Broken Hill, New South Wales, including an unusual mercury silver sulphur halide, and an iron lead aluminium arsenate. A specimen in the Department's collection, from a well know locality in Switzerland, has yielded a new polymorph of baumhauerite, and is being described in conjunction with Dr Allan Pring of the South Australian Museum. On specimens from the Spring Creek mine, South Australia, submitted by a local collector, a new copper iron phosphate mineral was identifed. However, the same species was discovered and established in West Germany just prior to completion of study of the South Australian mineral. Papers on all occurrences are being prepared in association with other research workers.

In more general studies, analytical data was obtained on minerals in a suite of unusual manganese and barium rich rocks for Dr Paul Ashley, University of New England. Analysis and description of zeolite minerals

from Victoria and of a range of arsenate/phosphate/sulphate minerals from Australian localities were undertaken.

A major review paper on gold in Australia has been prepared for publication in the *Mineralogical Record* in early 1987.

Curatorial Projects

The species by species stocktaking and card index revision program, commenced last year, has been completed. Information is now being computerised. Volunteer Lyn Haupt completed the stocktake of specimens purchased last century from Kranz and is computerising the data.

Julian Goldsworthy entered onto the computer data base a bibliography of 800 Victorian mineral references and obtained copies of all references for the Department's library. This will be an invaluable reference tool.

Ruth Coulsell, a volunteer, entered information on approximately 2500 Victorian mineral occurrences into the Viclocs Mineral Location data base. This information, along with the bibliography, will be used eventually to produce a book on Victorian minerals.

Loans

Seventy-one specimens of minerals and rocks from the collection were loaned or provided for destructive tests to seventeen research workers in various institutions throughout Australia.

Specimens were sent to three overseas organisations: Dr D. Barber, Department of Physics, University of Essex, England; Geology Department, University of Michigan, U.S.A.; Dr E. Tillemans, University of Hubland, Wurzburg, West Germany.

In addition, specimens, nugget replicas, photographs and slides were lent to sixteen organisations for educational purposes.

Acquisitions

The total number of acquisitions was 617, consisting of 518 minerals, eighty rocks and nineteen meteorites.

Significant purchases for the year included fifty-three rare species not previously represented in the collection. Dr Birch purchased twenty-two fine gem minerals and faceted stones to the value of US$5000 while on leave in Pakistan. Six superb specimens from the granite quarry near Lake Boga, Victoria, were purchased. These included the two best Victorian apatites discovered to date. The Victorian Gem Clubs Association donated $1000 to purchase two faceted emeralds from Menzies, Western Australia. Precision Watches donated $350 to purchase an axinite specimen from Broken Hill. Urangesellschaft donated a collection of forty specimens of uranium minerals from various Australian localities. The mineral donation box received $578 for purchase of mineral specimens. Three Australian type specimens were lodged with the Department.

Exchange of minerals was carried out with the Geological Museum Copenhagen and fourteen specimens of rare minerals were received from Greenland. Seventy specimens from classic European localities were obtained by exchange with Mr P. Anderson.

Meteorites were exchanged with the following: Natural History Museum, Paris (7), Mr D. Heinlein, West Germany (3), Mr J. Schwade, Illinois, U.S.A. (4) and Mr F. Cureton, Arizona, U.S.A. (5).

Dr Birch collected a suite of rocks and minerals from Northern Pakistan, which covered Kohistan Island Arc system between the Eurasian and Indian Continental plates.

Department of Invertebrate Palaeontology

Research

Papers published during the year by Dr Peter Jell dealt with early Ordovician trilobite faunas of Victoria and Tasmania, and echinoderms of Cambrian and Ordivician age from eastern Australia. Before he left the Museum in October, Dr Jell had completed the manuscript for a monograph on the insect fauna from Cretaceous freshwater deposits at Koonwarra, South Gippsland, which will be published in August 1986.

Two excellent trilobite faunas were collected from Silurian limestones in the Orange district of New South Wales, as part of a continuing research project by Dr David Holloway on trilobites of Silurian and Devonian age from eastern Australia. The faunas from Orange are the most diverse and best preserved ones known from Silurian limestones in Australia, and include many genera not previously recorded from this continent. One of the faunas, consisting of about forty species, is being described in collaboration with Dr Lars Ramskold of the Swedish Museum of Natural History, who spent six months at the Museum of Victoria from February 1986 with support from the Museum Council under the Visiting Scientists Program. Preparation of the material, involving the removal of rock matrix covering specimens, and photographing of the prepared specimens, were completed during Dr Ramskold's stay in Melbourne.

Dr Darragh, in collaboration with Mr George Kendrick of the Western Australian Museum, is describing the bivalves and gastropods from the Late Cretaceous Miria Formation. Approximately sixty-five specimens have so far been recognised, but poor preservation hampers precise identification.

Curatorial Projects

Registration of approximately 12 000 fossil specimens donated by Melbourne University in 1983 was completed during the year, and all of the material has been incorporated into the Department's collections.

Significant progress was made in the reorganisation on a geographical basis of the very large collection of Victorian graptolites, comprising approximately 120 cabinets of specimens.

Sorting, reboxing and registration of the collection of foreign coelenterates was completed and work is well advanced on the Australian coelenterates.

Approximately 8 500 specimens were registered during the year.

Loans

Thirteen loans were made to other Australian institutions. Ten loans were made to the following institutions abroad: Universite de Bretagne Occidentale, Brest, France; Institut Royal des Sciences Naturelles de Belgique, Brussells; Riksmuseum van Geologie en Mineralogie, Leiden, Netherlands; University of California, Berkeley, USA; New Zealand Geological Survey, Lower Hutt, New Zealand.

Acquisitions

A large collection of Tertiary and Recent foraminifera, including approximately 6 000 slides as well as bulk collections from both Australia and overseas, was donated to the Museum by Mr A.C. Collins of Geelong.

A collection of fossil insects from the Cretaceous of South Gippsland was donated by Mr Peter Duncan. This insect fauna, which is unique in Australia and thus of great scientific importance, has been described by the former Curator of Invetebrate Palaeontology, Dr Peter Jell, in a

paper recently submitted for publication.

Collections of Silurian and Devonian shelly fossils (mainly corals and brachiopods) were made by staff of the Invertebrate Palaeontology Department in January 1986, during fieldwork at Bindi, Wombat Creek and Cowombat Flat in eastern Victoria.

Department of Vertebrate Palaeontology and Palaeobotany

Research Projects

With the submission of eight papers to the forthcoming book entitled *Possums and Opposums*, edited by Mike Archer, the curator has completed research on most of the Tertiary mammalian material collected during the past twelve years. Much of the current research effort is devoted to analysing the fossil assemblage from Dinosaur Cove that has been collected during the summers of 1984-86.

Fossil remains of Australian birds and mammals older than 20 million years are all but unknown. The exceptions are a single mammalian jaw and half a dozen bird feathers about 100 million years old. A primary objective of the curator is to fill in this record. Therefore, groundwork for further research is being laid by a systematic attempt to locate new sites where such fossils may be found.

Curatorial Projects

Supervised by Departmental Assistant Elizabeth Thompson, volunteers carried out a number of curation programs during the year. Much of the fossil plant collection together with lesser amounts of vertebrate material was registered by them. Volunteers also carried out the preparation of fossil specimens; i.e. separating the fossils from the surrounding rock. In addition, by the end of the reporting period, a group of students from RMIT had inventoried more than two-thirds of the collections.

Loans

Fourteen loans comprising 850 specimens from the collection were loaned to Australian institutions. Twenty-five specimens were loaned to the following overseas institutions: American Museum of Natural History, New York, USA; Oberlin College, Oberlin, Ohio, USA; University Pierre et Marie Curie, Paris, France; University of Helsinki, Finland; University of Otago, Dunedin, New Zealand.

Acquisitions

Nearly 2 000 fossil vertebrate specimens were acquired during the past year. Of these 1 023 came from the 105 million year-old rock at Dinosaur Cove. Among the most significant was a three dimensional fish skull. It demonstrates the potential of the site to yield associated bones. Previously, only isolated bones and teeth had been found at this locality. With enough work, a reasonable possibility exists that a partial skeleton of a dinosaur might be found there.

Two partial skulls of the large ground birds, the dromornithids, plus the palate of a previously unknown relative of *Diprotodon* were recovered from 10 million year-old limestone collected in the Northern Territory. Previously, only one extremely fragmentary skull of this group of birds was known. With these new specimens it will be possible to better assess what the nearest relatives of this unique group of Australian birds were.

Three ear regions of dinosaurs were found in a 400 square metre area near Winton, Queensland. Only one reasonably complete dinosaur skull has yet been found in Australia. As there were at least two dinosaur skulls that disintegrated on the surface at this one site, the occurrence of

fragments suggests that further work may yield additional dinosaur skull remains.

Invertebrate Zoology

The four Departments in this Section are responsible for the State collections of insects, spiders, ticks and mites, crustaceans and all other invertebrate animals from marine and terrestrial environments and for invertebrate biological survey and ecological research.

Department of Invertebrate Zoology

Research Projects

The Curator was awarded extensions of two research grants by the Bureau of Flora and Fauna. One was for the compilation of data for the Cephalopod section of the *Zoological Catalogue of Australia*, and the other (awarded jointly with Ms T. Cochran) for the study of the chiton family Ischnochitoniidae. Mr Robin Wilson was awarded a grant by the Bureau of Flora and Fauna for the study of the polychaete family Phyllodocidae. Work on all these projects is progressing as planned.

Although the field phase of the CSIRO Southern Program finished in June 1985, the Department continued to receive cephalopod material from the program. Data collected through this program are the most extensive for cephalopods of Australia. They will provide information on morphology, seasonal occurrence and relative abundance of many species of cephalopod. The material is still being worked on and data analysed, however to date, forty-two species have been identified many of which represent new records for the area. A large series of larval specimens has yet to be examined.

In July 1985 the Curator visited the British Museum, London, and Museum National d'Histoire Naturelle, Paris, to study the type specimens of Australian cephalopods.

The discovery by the Curator of a larval of the giant squid *Architeuthis* was a timely contribution to the preparation of the *Handbook on Identification of Cephalopod Larvae and Juveniles* to be published by the Food and Agriculture Organisation of the United Nations.

The Assistant Curator continued the compilation of a checklist of Southern Australian marine bivalves. Over 1000 nominal species have been documented to date, representing approximately sixty families. Initial drafts of all families have been completed and five families are in a final draft.

Curatorial Projects

The installation of additional steel shelving allowed the sponge collection to be moved, thus relieving some of the over-crowding in other parts of the collection. Lack of space continues to be a major obstacle to the Department's curation programs.

The non-marine mollusc collection was re-assigned to the Department following the secondment and later resignation of Dr B.J. Smith, Senior Curator (Zoology).

Curation of the echinoderm collection has been upgraded, to allow easy access to the material held.

Loans

Australian institutions received twenty loans during the year and overseas institutions eleven. The overseas institutions were: Woods Hole, Oceanographic Institute, Massachusetts, USA; University of California, Berkeley, USA; Laboratoire Arago, Banyuls-Sur-Mer, France; Naturhistorisches Museum, Basel, Switzerland; Institut voor Taxonomische Zoologie, Universiteit van Amsterdam, The Netherlands; New Zealand Oceanographic Institute, Wellington, New Zealand; Museum of Natural History, Smithsonian Institution, Washington

DC, USA; Universitat Oldenburg, Federal Republic of Germany; Institut of Malacology, Tokyo, Japan.

Acquisitions

Approximately 10 000 specimens were acquired from twenty-eight major accessions including:

(i) Several hundred Echinoderm specimens, including many new records and several new species from south east Australian localities.
(ii) Over 600 specimens of cephalopods from south east Tasmania.
(iii) Several thousand benthic invertebrates, from Heard Island, collected by the *Nella Dan.*
(iv) Shell specimens collected in deep water off Rowley Shoals, north west Australia.
(v) Various invertebrates collected in deep water off Tasmania by the CSIRO vessel *Soela.*

Department of Crustacea

Research Projects

Dr Gary Poore's research project on the taxonomy of Australian anthuridean isopods received its final support from the Australian Biological Resources Study (ABRS) ($84,000 received between 1981 and 1985). To date this project has resulted in the publication of seven papers, and three more have been submitted for publication. Several other manuscripts are in the final stages of preparation.

A new ABRS supported project on the taxonomy of valviferan isopods has commenced in 1986 and two papers have already been published.

Other new initiatives in crustacean research have been taken. Dr Poore is collaborating with Dr J.K. Lowry, Australian Museum, on a study of the unusual amphipod family Ingolfiellidae, of which two species were found in Bass Strait; and with Dr T. Suchanek, University of California, on new species of mud shrimp of the genus *Callichirus* from Papua New Guinea.

The Council of the Museum of Victoria supported Dr Poore on a trip to the United States in late 1985. While at the Smithsonian Institution and the Los Angeles Country Museum he examined type material and investigated the use of computer programs to generate cladograms (evolutionary trees).

Mr Laurie Cookson, a PhD student from Monash University, is being supervised by Dr Poore and is working on the biology of wood-boring marine isopods.

Curatorial Projects

Over the past year the yabbie collection has been thoroughly curated, with all types being located and registered. A manuscript which lists all type holdings and indicates those which have been lost has been prepared for publication.

A data entry operator was employed for four weeks using grant funds to enter much of the Crustacea register data onto the Museum's TITAN database. Approximately 90% of the register (10 000 lots) is now computerised.

Material collected as part of the Corner Inlet Survey has been registered and incorporated into the collections.

Loans

Eight loans to various institutions within Australia were sent including eleven lots of types. Three overseas loans were sent to the Smithsonian Institution, Washington, USA, and British Museum (Natural History).

Acquisitions

Exchange material was sent to the Los Angeles County Museum and the Smithsonian Institution.

As a result of Dr Gary Poore's trip to the United States several lots of isopods were received on exchange

from the Smithsonian Institution. Mr Mark Norman, travelling on the *Nella Dan* made valuable collections around Heard Island and off Enderby Land in the Southern Ocean.

Mr David Staples (Honorary Associate) donated 120 lots of identified pycnogonids (sea spiders).

A field trip to Western Australia (Geraldton and Albany), funded by the Australian Biological Resources Study added over 500 lots of peracarid Crustacea to the collections. These add to material necessary for comparative studies on the fauna of eastern and western coasts of temperate Australia.

Department of Entomology and Arachnology

Research

Atlas of Trichoptera of the SW Pacific-Australian Region, written by Dr Neboiss (JUNK, 1985, 286 pp) was published during the year. This book constitutes an authoritative and up-to-date synopsis of the present knowledge of the systematics of caddis-flies in the SW Pacific-Australia region.

Much taxonomic work has been done this year on the Trichoptera faunas of Papua New Guinea and the Sulawesi region. Work on the Papua New Guinea fauna was facilitated through a loan of 12 000 specimens from the Bishop Museum, Hawaii and the Sulawesi region's fauna was received through collections made on the Krakatoa Expedition (a joint project between the Museum and La Trobe University) and the Project Wallace expeditions arranged through the Royal Entomological Society of London.

A major taxonomic project on bird lice (Mallophaga: Phtniraptera) was commenced this year by Dr Walker. To date the project has included collecting specimens. Approximately 600 slidemounts, representing 2000 loose specimens, have been made.

Curatorial Projects

A major curatorial program involved computerisation. With the introduction of the database system TITAN several databases were commenced.

(1) Type Registration: A total of 4 000 registrations were put onto computer which completed the type registrations of Trichoptera, Plecoptea, Megaloptera and Ephemeroptera. These registrations have been used by workers involved in the Zoological Catalogue of Australia.

(2) The cross reference catalogue of our reprint collection (10 000 reprints cross referenced for author and taxonomic and ecological information) is being put onto computer and at present the author's catalogue is almost complete.

(3) A species catalogue database for our collection is currently in use. Rather than attempting to catalogue each individual specimen in the collection (2.7 million specimens) we are grouping specimens of the same species from the same locality as one unit of information and entering this onto the database. From this data we will be able to access specimens numbers, distributional information and species records from the collection.

Another major curatorial project was the development of the *European Wasp* exhibition which took six months work from inception to public viewing. This highly topical and relevant subject was curated and written by the Department of Entomology with advice from the European Wasp Liaison Committee and the Department of Agriculture and Rural Affairs. A sponsorship of $21,300 was received from Bayer Australia Limited. The exhibition consisted of a large (2.5 m cube) glass flight cage, which contained three active European Wasp nests, a ten minutes audio-visual (containing 210 slides) and display modules depicting various aspects of biology, nesting behaviour, distribution, health problems, identification, governmental

action and biological and chemical control. The exhibition will be on loan to the South Australian Museum over the summer of 1986/87, returning to the Museum of Victoria for showing in the summer of 1987/88, and the audio-visual will be distributed to local councils in Victoria, New South Wales, South Australia and Western Australia.

Voluntary assistance throughout the year enabled large numbers of specimens in our Jewel Beetle collection (Buprestidae: Coleoptera) to be sorted, named and transferred to the new unit tray system.

Loans

Eighteen loans were made to Australian institutions and twenty-one to overseas institutions. The overseas institutions which received loans were:
Bishop Museum, Hawaii, USA; Institut voor Taxonomische Zoologie, Amsterdam; Museo Argentino deCiencias Natural, Buenos Aires, Argentina; British (Natural History), London; University of Pretoria, South Africa; Museum of Comparative Zoology, Harvard University, Massachusetts, USA; American Museum of Natural History, New York, USA; University of New Hampshire, New Hampshire, USA; Museum voor het Onderwijs, Holland; Rijksmuseum van Natuurlijke Historie, Leiden, Holland; Museum National d'Histoire, Paris, France; Biosystematics Research Laboratories, Agriculture Canada, Ontario, Canada.

Acquisitions

An acquisition of special interest was 150 specimens donated by expedition members of a Kimberleys (W.A.) Region Investigation Group. Members of this group travelled by horseback and walked into relatively inaccessible locations within the Kimberleys and collected insects from these sites. The distribution records gained from this survey are extremely valuable considering their localities.

Department of Biological Survey

There was no vote-funded freshwater research as this position was not permanently filled for the whole year. However, there were three grant-funded freshwater projects, including the start of a joint Monash University/Museum study on the effects of physical disturbance on the benthic invertebrates of the Acheron River. Most of the terrestrial and invertebrate survey work was undertaken in the Mallee, with the start of the funded projects at Chinaman Well and Round Swamp were completed, and new sites were established at Milmed Rock. The terrestrial invertebrates of Anglesea were surveyed on a grant from Angair. Field trips involved several trips to the Mallee, to Western Australia, South Australia and Queensland for the Australian Biological Resources Survey water mite project, and trips to the Thomson and Acheron Rivers to set up study sites.

Vertebrate Zoology

The four Departments in this Section of the Division are responsible for the State collections of fishes, snakes, lizards, tortoises, frogs, mammals and birds.

Department of Ichthyology

Research

Departmental research centred on the documentation and differentiation of Australian species, primarily those of Victorian and other temperate waters. In working towards this end, the curator participated in two CSIRO organised cruises, one in upper slope waters off Central Queensland and the other in the deep slope waters of the Tasman Rise between Tasmania and Macquarie

Island. Taxonomic and distributional information derived from these two sampling trips and from additional collection material received from CSIRO Fisheries Research in Hobart have been added to two studies approaching completion, an annotated checklist of the fishes of Bass Strait and other Victorian waters and an identification guide to the fishes of Australia's south coast.

Curatorial Projects

Significant progress was made in two areas associated with collection curation, the documentation and the reorganisation of collection materials. During the year, an updated version of the computer registration system was installed and specimen data input began in earnest. In August, a national workshop on fish collection management was held at the Museum of Victoria in conjunction with the annual meeting of the Australian Society for Fish Biology. As a result, major steps were made toward the standardisation of computerised specimen records for the ease of exchanging information between institutions. As a result of the considerable efforts of a volunteer, Mr Tarmo Raadik, all Australian freshwater material was accurately reidentified and reorganised. Because of the massive influx of collection specimens, a rationalisation of dried material was undertaken and an expansion of spirit collection space begun.

Loans

Five loans comprising sixty lots and more than 250 specimens were sent to Australian institutions, and two loans comprising three lots and three specimens were sent overseas. Overseas recipients included the University of Alberta, Edmondton, Canada, and the National Museum of New Zealand, Wellington, New Zealand.

Acquisitions

Approximately eighteen separate acquisitions comprising more than 4 000 specimens from coastal and deep waters of Victoria, Tasmania, South Australia and Queensland, as well as Victorian freshwaters, were made during the year. Many of these represent new records and undescribed species. Acquisitions of significance include type specimens donated by Dr G.R. Allen and Mr R.H. Kuiter and a two metre bramble shark, the first example of the species from Australian waters.

Department of Herpetology

Research

Field work at both Chinaman Well and Round Swamp was completed during the year, and field studies transferred to the Milmed Rock area of the Big Desert. Analysis of results is well under way for the Chinaman Well area. Results coming in from the Department of Conservation, Forests & Lands Vertebrate surveys of the Mallee are enhancing the Museum's data.

Curatorial Projects

The main curatorial thrust has been to get the data base running and ready to accept data which was punched onto tape some years ago. The data base is now functional, and a limited amount of data has been inserted manually.

Loans

Three loans were made during the year, all to institutions or colleges within Australia.

Acquisitions

The total number of acquisitions for the year was 1057. The most significant of which was a specimen of the small pygopodid lizard, *Aprasia*

auria a species previously known only from the type series which had been collected from Ouyen and Wommeland in the Mallee, during 1911 and 1912, and owing to habitat disturbance considered to be possibly extinct. The specimen was collected by the Fisheries and Wildlife Division during survey work in Wathe Nature Reserve.

Other significant acquisitions, also from Fisheries and Wildlife Division, were specimens of *Diplodactylus tessellatus*, *Rhynchoedura ornata* and *Simoselaps australis*, all species poorly known from Victoria. Melbourne University Zoology Department also donated its collections of Amphibian eggs and larvae to the Museum.

Department of Mammalogy

Research

Investigations into the general biology of Gould's Wattled Bat, *Chalinolobus gouldii*, were finalised and writing up is under way. A project dealing with stomach content analysis of a number of mammal species was commenced by the curator.

A chapter 'The Thylacinidae' for Volume I of *The Fauna of Australia* was completed for the Australian Biological Study by the Curator.

The curator undertook a short project on historical perspectives of collection conservation in Australia for presentation at the Fourth International Theriological Congress in Edmonton, Canada. This will be published in the near future.

Curatorial Projects

Documentation of survey and other reference material from the Arthur Rylah Research Institute was the main accession activity. Editing of the computerised mammal records continued with upgraded programs being incorporated into the system. The process is very slow, hampered by lack of staff time. Of the approximately 30 000 records entered, data on 4 500 specimens have been cleaned and put onto the data base and can be readily retrieved. It is hoped that the records of the family Macropodidae (approx. 3 500) will soon be available for the Australian Bureau of Flora and Fauna, Canberra, as requested. The Curator is an Australian representative on the International Commission for Mammalogical Collections and has been involved in the incorporation of data on Australian and New Zealand mammal collections in an updated publication of world mammal collections. Approximately ninety specimens were registered during the year.

Loans

Seventy-three loans of approximately 750 specimens were made to institutions within Australia. Five loans amounting to 58 specimens were made to the following overseas institutions: Department of Environment and Conservation, Papua New Guinea; Polskeij Akedemik Nauk Bialowieza, Poland; Memphis Pink Palace Museum, Tennessee, USA; Osaka Museum of Natural History, Japan.

Acquisitions

Approximately 1000 specimens were acquired during the year. Of special significance was the acquisition of a paratype of the long-footed Potoroo, *Potorus tridactylus*, from East Gippsland Victoria. This was donated through the Arthur Rylah Institute by John Seebeck. A selection of scrimshaw items, engraved Sperm Whale teeth, purchased for the collection was also of significance.

Department of Ornithology

Research

Research by staff in the Department centered on measurements and documentation of the plumage and structure of the Australian Pelecaniformes

(Cormorants and allies) for the Royal Australasian Ornithologists Union's *Handbook of Australian and New Zealand Birds.* Pelecaniformes were documented at four interstate museums (Australian Museum, Queensland Museum, South Australian Museum and CSIRO, Canberra). The data is being analysed and will be incorporated once loans, and/or visits, are completed to institutions holding material.

Most research was conducted by our Honorary Associates, P.V. Rich and R.F. Baird. This research was directed at fossils, with particular reference to Tertiary and Quaternary avifaunas. R.F. Baird has documented the fossil avifaunas from cave deposits in south-eastern Australia to fulfill the requirements of a PhD, which is nearing completion. This thesis also examines the usefulness of reconstructing palaeoenvironments from avian fossil deposits.

Curatorial Projects

The most important activity was the design and implementation of the computer data base to facilitate retrieval of specimen records. Over 600 registered specimen records have been entered since January. Over 1 000 of the Display/Education mounts have been entered on to the data base. Documentation of the Museum's general egg collection is nearing completion. Damaged seals on the jars in the spirit collection were replaced. Naphthalene was renewed throughout the collection and pest strips added, and 445 specimens were registered. Exchanges of specimens were made with nine institutions.

During the year the Department was involved in providing specimens and information for a number of exhibitions, the major ones being

Grants to Natural History Departments

The following grants were received:

Marine Science and Technologies Grant Scheme:	
Taxonomy and Distribution of Marine Fishes	$ 9,405
Sponges of Northern Bass Strait	$ 5,000
Australian Biological Resources Survey:	
Identification and diagnoses of families of water mites in Australia	$31,363
Taxonomy and biogeography of Australian Anthuridea (Isopoda)	$11,800
Taxonomy of Australian Valvifera (Crustacea, Isopoda)	$12,700
Zoological Catalogue of Australia — Cephalopoda (in part)	$10,750
Revision of the systematics and distribution of the chiton family Ischnochitonidae (Mollusca: Polyplacophora) from southern Australia	$10,000
Systematics of Australian Phyllodocidae (Polychatea)	$23,000
Australian Heritage Commission:	
Survey of Marine Communities of Port Campbell and Cape Otway National Parks	$15,000
Land Conservation Council:	
Mallee Invertebrate Survey	$ 4,200
Rural Western Commission and Melbourne and Metropolitan Board of Works:	
Thomson River Post Construction Monitoring Project	$37,000

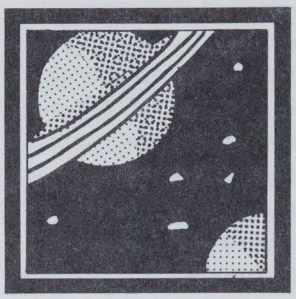
Rural Victoria Gallery and *Prohibited Imports and Exports.*

Loans

Forty-five loans were sent to other Australian institutions, involving a total of 556 specimens. Three loans involving twenty-one specimens were sent to the National Museum of Natural History, Smithsonian Institute, Washington, DC, USA.

Acquisitions

The total number of bird specimens acquired during the year was 642. These included fifty-two skeletons received from the following overseas institutions: South African Museum; Museum of Zoology, Michigan, USA; Louisiana State University, University of South Florida, Tampa, USA; B.P. Bishop Museum, Hawaii; National Museum of Natural History, Washington; British Museum (Natural History); and South Australian Museum. This material has filled significant gaps in the systematic bird skeleton collection.



Science and Technology Division

Department of Arms

The work of collection management and cataloguing has occupied a considerable amount of time during the year and the transfer of catalogue entries to computer listing is almost completed. Some improvement has been effected for housing the collection. Restoration of a number of sporting weapons has been completed.

Assistance has been provided to historians, artists, municipal councils, museums, the Australian Army and historical societies on a range of research and restoration projects. A number of lectures were given by the Curator to students from the Department of Design at the Royal Melbourne Institute of Technology. A pleasing development has been the use by the Education Service at the Museum of items from the collection and displays as teaching aids for school groups studying mediaeval history. A total of sixty-four groups visited the Museum for this purpose during the year.

The Museum's decision that military memorabilia should become a major collection has added considerably to the work of the Department. Negotiations late in 1985 with the Returned Services League and other service clubs resulted in the donation of a large amount of military memorabilia and the work of assessing and

cataloguing this material is proceeding. Acquisitions include a collection of Webley revolvers, some interesting shotguns, and an officer's sword and other material associated with the 49th Regiment. This British unit served in Victoria during the 1850s.

Department of Astronomy

H.V. McKay Planetarium

The return of Halley's Comet and the public interest it generated led to the Planetarium having its busiest year since it opened in 1965.

A total of 108 446 visitors attended the Planetarium shows and thousands of others benefited from a wide range of activities and services offered by its staff. Although five different public Planetarium shows and four new school shows were produced, the focus of the year's effort was undoubtedly the Comet.

Special activities that were held in relation to the Comet included:

* Production of the Planetarium show *A Comet Called Halley*. Two versions were written, one for the public and one for secondary school students. The school show was completely booked out and the public sessions were presented to near capacity houses.
* Publication of a booklet *Halley's Comet an Australian View 1985-1986* which sold 15 000 copies.
* Publication of a kit of materials for teachers, *Halley's Comet, Student Activities*, which sold 5 000 copies.
* Preparation of a Museum display relating to the Comet, its past and present appearances. This was exhibited outside the Planetarium.
* Organisation of an in-service education course for teachers. This was conducted seven times, catering for a total of 800 teachers.
* Provision of information on the Comet to airlines, television stations, radio stations, newspapers, tour operators and the general public. In all, over 5 000 enquiries were answered.
* Staging of the launch of Australia Post's Halley's Comet stamp.
* Conducting of an evening about the Comet for Victorian Members of Parliament.

Staff of the Planetarium, together with the Astronomical Society of Victoria and the Melbourne Metropolitan Board of Works, were responsible for organising what turned out to be the world's largest Comet Watch at Jell's Park, Glen Waverley. An estimated 165 000 people visited the Comet Watch which was held over eight nights from 6-13 April. Activities at the Comet Watch included telescope viewing, binocular viewing, and camera tracking of the Comet. Specially produced Star Maps and information sheets were also available. The Planetarium acted as the catalyst and co-organiser of the event, bringing together the expertise and equipment of the Astronomical Society and the resources and expertise of the Board of Works.

A member of the Planetarium Staff, Ms Sally Howard, was awarded the Victorian Teachers Union Women's Study Award (major bursary) to study planetarium show production techniques and planetarium education in the USA.

The Director of the Planetarium, Dr Robin Hirst, undertook a private trip to the USA to attend the International Planetarium Society Conference and present a paper on the Planetarium's Halley's Comet activities.

The attendance of 108 446 (45 093 public and 63 353 students) represents a increase of 51% over the 1984/1985 figure of 71 666.

General Activities

Staff of the Astronomy Department continued to provide general astronomical information to solicitors, amateur astronomers, fishermen, pigeon racers, religious leaders, the Armed Services and the public at large.

Department of Electronics and Communication

Acquisitions

Some 400 items were added to the Communications, Scientific Instruments and Medical Collections. Of these more than 200 items related to radio and electronic servicing in the 1930s and 1940s. It would now be possible to stock a radio serviceman's workshop of about the 1939 period for a display piece. Other major donations included a Digital PDP8 minicomputer, an early scanning electron microscope, a large photocopier, a digital spectrophotometer, a diothermy equipment, dental equipment from the 1950s and an engineering seismograph. As well, the Museum collected piano rolls, a Victorian period ear trumpet, telephone equipment, microphones, radios, gramophones and chemistry equipment.

The collections in this area now completely fill the storage space available and the acquisition of additional space has therefore become critical.

Exhibitions

About thirty items from the Medical Collection were used in the successful *'Devils, Drugs and Doctors'* temporary exhibition, ten items were used in the Telecom exhibition *'From Semaphore to Satellite'*. A selection of microscopes and calculating devices were lent to La Trobe University for inclusion in temporary displays. Collection material has also been loaned for use on production of several films for television.

General

The Curator was involved in a number of radio and television interviews concerning aspects of the collections. As Convenor of the Museum Computer Users Committee, he was also active in attempting to expand the Museum's computer facilities to meet increasing needs, especially in the area of collection cataloguing. He also continued to work to raise the level of computer consciousness within the Museum so that the eventual computerisation of many Museum activities will be less traumatic. During a private overseas trip in 1985 the Curator visited a number of leading science museums in Europe and the Middle East.

Department of Engineering and Transport

The Engineering and Transport Department has contributed to many facets of the Museum's activities during the year. Credit must be given to the several volunteers who have worked on a regular part-time basis.

Collections

Storage problems have increased especially at the Port Melbourne store where collection items are degrading rapidly due to adverse environmental conditions.

Conservation and protection of ship models is also a matter of concern and current discussions with the Senior Conservator have yielded a positive plan for action. Additional resources will be required to implement this plan.

The Melbourne and Metropolitan Board of Works has provided temporary storage at the Spotswood Pumping Station for engeering items. The storage has provided immediate protection for important items and is based on a mutual understanding of an urgent and increasing need to protect relevant examples of Victorian industrial heritage.

The Museum continues to store its Duigan aircraft at the Government Aircraft Factories at Avalon.

Acquisitions

Many important items have been collected during the period, including motorcycles (1923 Indian 'Pony

Scout', c.1952 Malvern Star 'Auto Byke' and c.1950 Healing Auto Cycle), horse drawn vehicles (c.1900 Hearse, used in Seymour, Victoria, and c.1900 4 Wheel buggy, double Abbott type), steam engineering (1915 Beliss and Morcom high speed engine and dynamo), engineering (c.1910 Tilling and Stevens welding generator and 1923 Electric lift from the Australian Club), rail transport (12 locomotive models and about 50 locomotive and builders' plates).

Extension Activities

The Department has made significant contribution to the following activities:

* International Motor Show — inclusion in the veteran and vintage display gallery of three motor cars from the Museum's collection.
* Halley's Comet, Jell's Park — design adjustable multiple camera support systems for tracking the Comet.
* International Museums Day — exhibition of working engine and tractor and planning of 'The Great 1986 Paper Aeroplane Competition'.
* Melbourne Steam Traction Engine Club Rally, Wantirna — preparation and manning of the exhibition of the Museum's Sunshine 'A' tractor.

Visits to Significant Sites

The following sites were visited to assess heritage value and potential for Museum involvement in prospective preservation proposals relating to sites and objects:

* Station Pier, Port Melbourne — for National Trust of Australia.
* Victoria Brewery, East Melbourne — for National Trust of Australia.
* Werribee Park, Werribee — to assess machinery for the MMBW.
* Day's Flour Mill, Murchison East — for Department of Conservation, Forests and Lands.
* Buchanan and Brock, Engineers, South Melbourne — for Museum of Victoria.

There is an urgent need for better care of existing collections and for more active collecting programs to acquire materials which are rapidly dissipating.

Department of Numismatics

In June 1986 a survey of the collection was undertaken and it was established that some 61 000 items are presently included.

Acquisitions

The most important donation received during the year was the collection of medals awarded to Dr P.G. Law. Many of these were awarded for his work in Antarctica. Emil Hafner and Ian Armstrong continued to present examples from their medal collections. Dr Percy Zerman presented a selection of minors from Nepal and Mr & Mrs Ken Petrie donated a number of modern world minors. Approximately 500 pieces were acquired by donation.

During the year a number of important purchases were also made. For the Australia token series, two new patterns by the London token manufacturer, W.J. Taylor, each of the denomination two pence, were obtained at auction in July 1985. One of these is believed to be unique while the other is one of only three known examples.

A silver quarter Stater of the ancient British tribe the Durotregis was purchased. The mediaeval series was increased by four pieces, three Anglo Saxon pence and a gold half noble of Edward III, and two pattern florins of 1848 were acquired for the modern British series. Six medals were purchased. The most important of these was a bronze striking of the Products of Queensland displayed at the London Exhibition, 1862.

Requests for the use of the collections for research purposes increased by 60% over that of the previous year while public enquiries still demand a high level of attention.

Department of Photography

The position of Curator of Photography was established during the year to ensure proper management and development of the collection. It is the only full time curatorial position in an Australian museum with responsibility for photographic technology and images.

Photographic Archive Project

Work on the Photographic Archive Project continued during the year and two field trips were undertaken to Manangatang and Casterton. Over 3 000 important photographs were copied and the level of community involvement was extremely gratifying. Local government and commerce willingly supported the project, as did the media with extensive coverage both within the districts and from the Melbourne daily papers. A special program was produced by ABC Television's 'Countrywide' on the work undertaken at Manangatang. It was screened nationally and promoted the Museum's activities in historical photography as among the best in Australia.

The material collected through the project has been of such interest that a number of companies expressed a wish to publish a book incorporating a selection of the material. Agreement was reached on publishing rights with Century-Hutchison and the first book, entitled *Private Lives — Public Heritage*, will be published in October 1986. Work has also commenced on a second book, *Bill Boyd's Mallee* which is expected to be ready for publication in September 1987. The Curator is a co-author of both books.

Selected material from the project was also made available for inclusion in a poster kit on Victorian golfields heritage printed by the Ministry for Planning and the Environment.

General

The Curator was involved in a number of activities during the year which included:

* Supervision of a photographic copying service for regional museums that was funded through a grant from the Ministry of the Arts.
* Research and planning work involved with the exhibition *Phantarama: The Origins of Moving Pictures.*
* Preparation of a draft brief for a proposed touring exhibition on historical photography in Australia to be funded by outside sponsors.
* Arrangement of a seminar in western Victoria on 'Family Photographs and the History of Australia'.

Acquisitions

The most important items acquired for the collection during the year were two medium format cameras, a 1965 Rolleflex and a 1979 Hasselblad, 250 glass negatives of Melbourne and country Victoria scenes and a length of motion picture film which includes the 1939 Melbourne May Day march.

Curatorial Projects

The major achievement of the year was the production of Edition 7 of the Microfiche Collection Catalogue. The Catalogue now contains over 35 000 records and is becoming more widely known within the general and museum community. Staff from other museums increasingly refer to it and to the Registrar for guidance and advice on cataloguing practices. The Catalogue also facilitates a much wider range of staff and public access to collection records.

Enchancement of computer systems

Considerable progress was made in transferring the Division's catalogue

data to the Museum's recently developed TITAN database management system. Satisfactory data input and enquiry forms were developed for the TITAN package and a major portion of the Edition 7 catalogue was successfully translated and loaded into it for trial purposes. The trial provided a clear indication of the tremendous potential of the system for the management of collection records. It is hoped that the Division will have access to adequate computer hardware to use the on-line system in the near future.

During the year a new system for improving control over procedures for handling new accessions was introduced. This ensures that the record of items held in the collections is always up to date and is not dependent on the Curator's capacity to supply complete documentation.

Department of Rural Science

Exhibitions

The highlight of the year was the opening of the new exhibition on rural Victoria in McArthur Hall. In keeping with the Museum's new multidisciplinary thrust, this exhibition brings together environmental, technological and social history facets of country Victoria. It also uses a variety of interactive and audio-visual elements including live animals. The McKay smithy remains a central feature.

The Section assisted the Australian Wool Corporation to stage a special temporary exhibition on wool in the North Rotunda and also exhibited its Sunshine 'A' tractor at the annual steam rallies of the Lake Goldsmith Steam Preservation Co-operative and the Melbourne Steam Traction Engine Club, attracting widespread interest.

Conservation and restoration

Work continued on the conservation and restoration of two collection items: the Sunshine 'A' tractor and the Cowley steam traction engine. Following thorough inspection of the Cowley's pressure vessel, steps have been taken to produce detailed specifications for the restoration work to follow.

Curatorial Projects

During the year the Curator assessed farm machinery at 'Silverwells' for the Heritage Unit of the Ministry of Environment and Planning, 'Werribee Park' for the MMBW, and Day's Flour Mill at Murchison for the Department of Forests, Conservation and Lands.

The Curator participated in discussions with the Geelong Regional Commission leading to a feasibility study for a Wool Museum in Geelong.

Acquisitions

An outstanding collection of horticultural tools was donated to the Museum during the year. This included the full set of implements used by Mr C. Nowell, a professional gardener and plant breeder. The Museum was also given a model potato harvesting mechanism designed and constructed by Thomas Quinlivan during the second decade of this century, fitted into a model of a four-wheel drive motor car he produced about 1909. The Museum purchased a model Hart Parr tractor and an extensive range of fencing wire samples including many unusual variations of barbed wire.

Human Studies Division

Research

R. Vanderwal continued his research on data collected from Kinomere Village, Papua, concentrating on the material culture of the area as it related to subsistence activities and the ceremonial redistribution of wealth.

Mr West carried out further research on basketry manufacture of the Australian Aborigines.

Curatorial Projects

Elizabeth Willis was responsible for establishing the guidelines for a new history collection. Policies were developed and computerised systems for the collection were instigated.

Photographs

The Chinnery Collection, owned by the daughters of E.W.P. Chinnery (Government Anthropologist in Papua, 1920s-1930s) was partially mounted, sorted and labelled. The Spencer photographs were classified into new categories, making them much easier to access.

Archival Papers

The J.M. Bulmer Collection was transliterated with a view to publishing his records of Aboriginal life in the late 18th century.

The Central Australian field notes of Baldwin Spencer were in part transliterated, thus providing information otherwise unavailable from Spencer's numerous publications.

The papers of W.B. Spencer, A.W. Howitt and J.M. Bulmer have in part been microfiched to allow easy access and to reduce deterioration of the collections.

Donald Thomson Collection

The Donald Thomson microfiche project, aiming to make available photographs and descriptions of the 6 000 artefacts in the collection, has now reached the stage of descriptive text typed onto the computer. The Donald Thomson field notes continue to be transliterated. Both of these projects are expected to be completed in 1987.

Displays

Material was loaned to and displays erected at the following locations:
Aboriginal Advancement League, Melbourne
Ballarat Fine Art Gallery
Echuca Aboriginal Cooperative
Geelong Fine Art Gallery
Gippsland Aboriginal Cooperative, Morwell
Hamilton and Western District Museum
Morwell Art Gallery

Staff contributions were made to the following exhibitions:
Devils, Drugs and Doctors
Aboriginal Resource Centre and Keeping Place (Kershaw Hall)
Story of Victoria

Activities

A report was commissioned from Mr Stephen Collier, University of New England, on the assessment of the Murray Black collection of Aboriginal skeletal remains.

The re-burial of unprovenanced and fragmentary remains took place at Kings Domain on Friday, 22 November, preceded by a procession from the Museum.

The future of the Aboriginal Resource Centre and Keeping Place (Kershaw Hall) was previewed on the first day of NADOC (National Aboriginal Day of Observance Committee) week, Monday, 9 September. Mr Albert Mullett, Chairman of the Aboriginal Arts Board, officiated. Other honoured guests were Mr John Moriarty, national NADOC chairman; Mr Charles Perkins, Secretary, Department of Aboriginal Affairs; Ms Kath Walker, recipient of the Aboriginal of the Year Award; Ms Lynne Spotswood, recipient of the Aboriginal Youth of the Year Award; and the Honourable Clyde Holding, Minister for Aboriginal Affairs.

Acquisitions

Several rare and uncommon Australian Aboriginal artefacts from South-east Australia were purchased by the Victorian Aboriginal Cultural Heritage Trust.

More than 200 artefacts were donated by the Australian Board of Missions, including rare South-eastern Australian Aboriginal material, and extremely rare Torres Strait Island baskets.

About 300 items were donated by the Church Missionary Society, deriving from Australia, the Pacific, India and Africa.

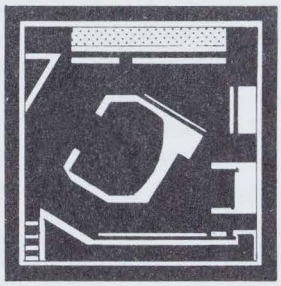
A very fine collection of women's art was purchased from Utopia Station and Ernabella, Northern Territory.

Over 40 objects were donated by Mrs Molly Wild, items collected from the vicinity of the Fly River, Papua New Guinea.

Several hand made rag carpets, made in Victoria during the 1920s, were donated by M. Marum of Malvern.

A collection of everyday clothing of the early 1950s was donated by Miss Fraser.

Historical archaeological material from excavations at 300 Queen Street was deposited.



Public Programs Division

The Division of Public Programs was established during the year and the Deputy Director, Public Programs was appointed in December 1985. The Division draws together aspects which largely constitute the public face of the Museum. It has the responsibility for the Museum's Exhibition Program, including design development, construction and management; the Children's Museum; the Community Services Department Volunteer Personnel; Commercial Operations and public relations activities. The Division also has responsibility for the conservation of all items within the Museum.

Museum Resource Service

With the appointment of the Deputy Director, Public Programs, the Museum Resource Service was established. This section provides services to Departments throughout the Museum and is responsible for the production of exhibitions and ancillary features such as special sound and light effects and audio-visual programs. The Resource Service is also responsible for gallery maintenance and for the provision of support services to curatorial and other Departments of the Museum.

The Departments within the resource service include Photography, Preparators, Design, Construction Workshop and Technical Workshop.

Design Department

Work was undertaken on a wide variety of exhibitions, the production of education kits, Planetarium kits, pamphlets and booklets.

The Department designed and worked closely with a number of consultant designers on the development of a range of temporary exhibitions. In addition staff developed a number of small displays and designed the *Rural Gallery of Victoria.* A number of travelling exhibitions were developed and exhibited at venues throughout Australia. These projects are listed.

Exhibitions

STORY OF VICTORIA — Stawell Gallery and North Rotunda. Opened 24 July 1985 by Hon. R. Mathews, Minister for the Arts. This is the Museum's first exhibition on social history. It presents a social history of Victoria from Aboriginal times to the present day and incorporates a look into the future. The exhibition is accompanied by an outstanding audio-visual display.

AUSTRALIAN WOOL CORPORATION — North Rotunda. Opened 24 July 1985 by Hon. R. Mathews, Minister for the Arts. This exhibition, sponsored by the Australian Wool Corporation, incorporated material on shearing from the Museum's own collections. It presented the role of the Wool Corporation and of wool in Australia's economy and its social history.

GALAPAGOS, BORN OF THE SEA — Thorpe Hall. Opened 5 August 1985. A photographic exhibition of the Galapagos Islands, which was arranged to tour Australia by the Australian Museum in Sydney. This exhibition was on loan from the Smithsonian Institute, USA.

SIO GREAT EXHIBITION OF VICTORIA — Spencer and McCoy Halls. Opened 23 August 1985 by Hon. R. Mathews, Hon. R. Jolly and Mr R. McDonald. This exhibition, sponsored by the State Insurance Office, was of Victorian memorabilia over the last 150 years of the State's history. Items were collected from throughout Victoria, from individuals and companies, and institutional donors. The exhibition incorporated many items from the Museum's own collections.

ABORIGINAL KEEPING PLACE AND RESOURCE CENTRE — Kershaw Hall. Opened September 1985 by Mr Albert Mullett. An exhibition space dedicated to the display of Aboriginal materials held within the Museum's collections and from elsewhere. It is also to serve as a resource centre for the use and research of Aboriginal materials held in the Museum's collections.

PRESSED ON PAPER — North Rotunda. Opened 23 September 1985 by Sir William Dargie. An exhibition of nature prints organised by the Museum's Science and Humanities Scholar for 1984-85, Dr Eric Hochberg of the Santa Barbara Museum of Natural History, USA. The exhibition includes nature prints prepared by artists throughout the United States, Japan and Australia. The exhibition has been on tour with the following itinerary: Australian Museum, Sydney (June-August 1985); Museum of Victoria, Melbourne (Sept-Nov 1985); 'Coolart', Mornington Peninsula, Vic. (Nov-Dec 1985); Northern Territory Museum of Arts & Sciences, Darwin (Jan-Feb 1986); Western Australian Museum, Perth (April-June 1986); and Tasmanian Museum and Art Gallery, Hobart (Nov 1986-Jan 1987).

CHILDREN'S MUSEUM — Swinburne Gallery. Opened 29 September 1985 by Hon. R. Mathews, Minister for the Arts, as part of Victoria's 150th Anniversary celebrations and funded by 150th Anniversary Committee of the Victorian Government. This Museum is aimed particularly at children visiting the Museum and the first exhibition, called 'Everybody', is centred on the form and function of the human body.

RURAL GALLERY OF VICTORIA — McArthur Gallery. Opened 22 October 1985 by Hon. Evan Walker, Minister for Planning and Environment. A permanent exhibition examining rural Victoria through the Mallee region. The exhibition looks at the natural environment, the impact of fire and land use and the development of agriculture. It includes an education area, an audio-visual theatrette, large habitat settings, farming equipment and models, and the original H.V. McKay smithy. The exhibition reflects the new thrust of the Museum of Victoria in presenting integration of the areas of natural history, science and technology and social history.

CROATION FOLK ART EXHIBITION — Thorpe Hall. Opened by the Hon. R. Mathews, Minister for the Arts, on 16 October 1985. The exhibition was funded by the Museum of Victoria and the Crafts Board of the Australia Council and was held in conjunction with Croatian Days, Melbourne Inc. A wide variety of Croatian folk art including textiles, wood and jewellery was presented.

The exhibition toured to:
Festival Centre Gallery, Adelaide, 9 August-22 Sept 1985
Northern Territory Museum of Arts & Sciences, Darwin, 23 Jan-Feb 1986
Toowoomba Art Gallery, Toowoomba, 1 March-31 March 1986.

NOTHING VENTURED NOTHING GAINED — North Rotunda. Opened 13 November 1985 by Hon. R.C. Fordham. Deputy Premier and Minister for Industry, Technology & Resources, this exhibition, sponsored by Esso-BHP, presented the history of oil and gas exploration by Esso-BHP in Bass Strait.

THE GOLDEN AGE OF AUSTRALIAN FANTASY — Thorpe Hall. Opened 30 January 1986 by Mirka Mora. Sponsored by James Hardie Industries Pty. Ltd. An exhibition of the work of early Australian children's book illustrators. The exhibition was composed of original paintings and drawings held by James Hardie Library of Fine Art. A catalogue was produced by the Curator of the Library, Mr Robert Holden.

MMBW RIVERS OF TIME — North Rotunda. Opened 13 February 1986, this exhibition presented a history of the Maribyrnong and Yarra Rivers and the role of the MMBW in managing Melbourne's water supply through history.

DEVILS, DRUGS AND DOCTORS — McCoy Hall. Opened by Hon. Neil Blewett, Federal Minister for Health on 26 March 1986. This exhibition presented the history of medicine through the artefacts collected by Sir Henry Wellcome, and later lodged with the Science Museum, London. The exhibition was sponsored by Wellcome Australia Pty. Ltd. to celebrate their 100th anniversary of operation in this country and was accompanied by a fine catalogue edited by Dr Earle Hackett, This exhibition continued at the Museum of Victoria until 13 July and was then scheduled to travel to Tasmanian Museum & Art Gallery (31 July-14 Sept 1986); Hyde Park Barracks, Sydney (4 Oct-30 Nov 1986); Queensland Museum, Brisbane (16 Dec-8 Feb); Museums and Art Galleries of the Northern Territory, Darwin and Alice Springs (25 Feb-29 March 1987); Museum of Western Australia, Perth (15 April-31 May 1987); Social History Museum, History Trust of South Australia, Adelaide (18 June-2 August 1987); Australian War Memorial, Canberra (20 August-4 October 1987).

EUROPEAN WASPS EXHIBITION — Thorpe Gallery. Opened 10 April 1986 by the Hon. Evan Walker, Minister for Agriculture. This exhibition, sponsored by Bayer Australia Pty. Ltd., presented the biology, history of introduction and methods of control of the European Wasp. It was mounted by the Museum in conjunction with the Victorian Department of Agriculture Wasp Liaison Committee and included a live colony of wasps — the only known live colony

of wasps exhibited in the world and the exhibition attracted attention from overseas on this account.

PROHIBITED IMPORTS EXPORTS EXHIBITION — Thorpe Gallery. Opened 10 April 1986 by the Hon. Evan Walker, Minister for Agriculture. This exhibition has been mounted in conjunction with the Victorian Department of Agriculture and the Australian Customs Department. It highlighted the role of quarantine and import/export regulations in preserving rare and endangered species of wildlife and protecting the Australian economy from the damage caused by imported pests and diseases.

TELECOM — FROM SEMAPHORE TO SATELLITE — North Rotunda. Opened 16 April 1986, this exhibition was sponsored by Telecom Australia and presented the history of electronic communications in Australia.

CHINESE PHOTOGRAPHIC EXHIBITION — Thorpe Hall. Opened 26 May 1986 by R.C. Fordham, Minister for Industry, Technology and Resources, and Mr Liu Huaqiu. An exhibition of four contemporary Chinese photographers from the Peoples Republic of China. The exhibition was organised in conjunction with the Australian Department of Foreign Affairs.

VENOMOUS MARINE LIFE — Spencer Hall. Opened 11 June 1986 by Dr Struan Sutherland, this exhibition was co-sponsored by Australia Post and coincided with the launch of a new series of stamps on Australian venomous marine life. It included materials from the Museum's collections together with living examples of venomous marine life. This exhibition proved to be very popular with the public.

W. BALDWIN SPENCER: The Aboriginals of the Northern Territory 1894-1912. This exhibition has been touring throughout Australia for several years. This year it was exhibited at the Broome Art Gallery (W.A.) and the Hamilton and Western District Museum.

INTERNATIONAL MUSEUM DAY, May 18, 1986. The Museum offered a wide range of activities including dungeon tours, tours behind the scenes, the Great Paper Aeroplane Competition, touch carts, displays of operating engines and recent Museum acquisitions. Attendance on this day was estimated at 20 000. Over 150 volunteers assisted the Museum staff on the day.

PHAR LAP. The case in which Phar Lap is displayed was re-designed and a small accompanying display of Phar Lap memorabilia was prepared.

Preparators Department

The responsibilities of this Department were expanded to include the management, handling and reception of travelling exhibitions. This has been in response to a growing emphasis on travelling exhibitions either initiated by, or coming to, the Museum. In addition, the Department successfully completed its project for the manufacture of dinosaur replicas, to be sold by the Museum.

Peter Swinkels and Kevin Kelly delivered lectures to Applied Science students at the Swinburne College of TAFE, and Kevin Kelly is working with TAFE staff to produce a teaching video on the taxidermy of the grey kangaroo.

As part of the *SIO Great Exhibition of Victoria* a large pyramid-form display of rare and endangered mammals was designed and constructed. This replicated the style of displays characteristic of McCoy Hall late last century. This display remains as a set piece within McCoy Hall.

All the dioramas within McCoy Hall were refurbished. The presentation of the dioramas was expanded to include birds, flowers and mammals. This places the dioramas in a more modern ecological context than the monospecific habitat approach previously adopted.

As part of the refurbishment program, and integral to the *SIO Great*

Exhibition of Victoria, the Lyrebird diorama was completely reconstructed. George Browning, A.O., was contracted to assist with this project. Mr. Browning painted the backdrops to the other McCoy Hall dioramas while an art student in the early 1940s.

Eleven models, including habitat settings, were prepared for the *European Wasp Exhibition.*

Work was undertaken to prepare specimens for the Volunteer Guides and for the Children's Museum.

Mr Swinkels undertook the co-ordination of the International Museums Day Activities.

The replica of the large dinosaur *Mamenchisaurus* was mounted on the mezzanine of McCoy Hall. This is a replica of the specimen from China displayed in the *Dinosaurs from China* exhibition in 1982.

The department provided substantial services to curatorial Departments and prepared:

For Natural History:
115 skeletons; 7 skins; 3 mineral replicas

For Volunteer Guides:
1 shield replica; 1 gold nugget replica; 1 lower jaw replica; 1 dinosaur bone replica; 1 mounted reptile; 1 mounted mammal; 1 mounted bird

For Children's Museum:
15 marine specimens

Photography Department

The Photography Department undertook a wide variety of work for publications, exhibitions, the Planetarium and the Commercial Operations of the Museum. The Department has significantly upgraded its production facilities and this has improved its capacity to meet the increasing demand on its resources.

Audio-visual programs were prepared for the *Rural Gallery of Victoria, Story of Victoria*, and the *European Wasp Exhibition.* The Museum has now developed considerable expertise in the production of audio-visual programs and further expansion in the use of these techniques is envisaged.

Frank Coffa, the Senior Photographer, delivered lectures to final year students at the Preston College of TAFE and to Information Science students at Victoria College, Rusden.

A large number of slides were prepared for the Planetarium and work was undertaken for the Children's Museum.

Construction Workshop

Carpentry and Painting Workshop staff are now integrated into the exhibition production team. A more efficient modular approach to exhibition production is now being planned and workshop staff now have direct input into the planning and implementation of exhibition production.

Technical Workshop

The Technical Workshop has undertaken significant new duties and now participates in exhibition production and maintenance. The Workshop is responsible for lighting and sound within the Museum, for the management of gallery maintenance and for stock control. The Workshop continues to service curatorial and other Departments and to build one-off items of equipment. A vacuum-former was manufactured for the Preparators Department.

Restoration work was undertaken on an Endfield five-barrel wardfeld gun and a pedal jigsaw. Work continued on the preparation of a model of a stump-jump plough and a grasshopper skeleton clock.

Conservation Department

General

During the year, the Department has played an active role in setting up new classification systems for conservators. As well, the Senior Conservator, Daniel Tworek, has

presented a proposal for establishing a State Conservation Laboratory in Victoria.

In August 1985 the Senior Conservator travelled to Sydney to visit the Power House Museum, Australian Museum and the Maritime Museum and discuss and investigate conservation problems with the staffs of those institutions.

A collection surveys system was set up to enable easier access to collecting information regarding objects on display and in storage and an extensive literature-search was carried out regarding the application of gamma-rays for sterilisation of Museum objects. A study of neutral material for the manufacture of show cases was undertaken, as were a preliminary study of corrosion of lead objects in exhibition and an investigation on computor environmental monitoring systems.

Open Day

In December 1985, the Conservation Department organised an Open Day for all Departments in the Museum and outside institutions which collaborate with the Department, including the Melbourne City Council, the Public Works Department, CSIRO, the Forensic Laboratory, the Ministry for the Arts, the National Gallery, and the National Library. The aim was to promote awareness of the function and work of the Department. Over 150 people attended.

Exhibitions

The Department gave assistance and technical advice concerning conservation issues to the Design Department. In particular the *Croatian Folk Art* exhibition and *Devils, Drugs and Doctors*

The Department took light level readings in exhibition areas, and if investigated wall, moisture, ventilation and all other environmental factors and made recommendations, such as for the conservation standards for the Aboriginal Resource Gallery.

Assistance to Outside Institutions

The Department gave professional assistance to the following outside bodies: Living Museum of the West; Albury Regional Museum; Jewish Museum; Museum of Anthropology and Sociology; Monash University; Australian Gallery of Sport; Public Works Department; Power House Museum; Scots Church, Melbourne; National Gallery of Victoria; Parliament House; Reserve Bank of Australia; and to a variety of clubs, societies and private individuals.

Conservation Projects

The Department undertook conservation and examination of the following objects:

* Conservation of the bronze statue of Higinbothom. (Ordered by the Public Works Department which paid the Department $7 826 for the work. The Department received extensive publicity regarding the conservation of the statue.)
* Conservation of Burial Bundle — five objects.
* Conservation of forty-two Aboriginal spears for the Donald Thomson Collection.
* Documentation, examination, research on Egyptian material and the Tjeby Mummy.
* Preliminary exmination and literature-search on meteorite conservation.
* Ordinary examination, documentation, literature-search on the fossil — *Zygomaturus tasmanicus.*
* Conservation, examination, documentation, treatment program of Nordstrom Model.
* Conservation of eighty-two other objects of various material was also carried out.

The conservation of all objects was well documented, including description, analysis, black and white and colour photographs and a video film was taken of the conservation of the Higinbotham statue.

Other Activities

The Department carried out sterilisation with gamma-rays for a number of objects from the Human Studies Division, and also made condition reports and assessments for the objects.

The condition of the Donald Thomson Collection was assessed. Sixty-nine condition reports on bark paintings were prepared. Safe means for storing and displaying bark paintings were devised.

The Department wrote 111 condition reports on Phar Lap material; condition reports and treatment proposals for thirty groups of objects in Burial Bundle; condition reports for twenty Aboriginal baskets; and condition reports on objects on loan to Canada.

Children's Museum

The Children's Museum was established by the Museum of Victoria as one of two major projects to mark Victoria's 150th Anniversary. The major brief was to explore ways of relating the Museum's collections and resources more closely to the children of Victoria and their families. The 150th Anniversary Board allocated $265 000 from Commonwealth funds and the Council of the Museum has contributed about $100 000.

Grant and Mary Featherston were commissioned to write the original concept proposal for the Children's Museum and this formed the basis of the Museum's approach. It was decided to use the grant monies not only to establish a Discovery room and an exhibition but also to sustain an on-going program of activities and events to create lively connections between the Museum and the community.

The Children's Museum opened on September 1985 with a street party attended by 5 000 people. The St. Kilda Football Club's supporters made a magnificent banner through which the children ran to signal the formal opening, assisted by the Premier, Mr Cain, and the Minister for the Arts, the Hon. R. Mathews. Street activities for the party included antique fire-engines, face painting, clowns, jugglers, dancing and general merriment.

The Board of the Children's Museum

The Board has played a very important role in giving advice and support in this first year of our operations and the Museum is very grateful to all members for their interest and encouragement. Board members are as follows: Professor John Lovering (Chairperson), Ms June Factor, Mr Kevin Fuller, Mr David Henshall, Mr Ross Mellor, Ms Anita Morawetz, Ms Kelly Shung, Mr Roger Trudgeon, Ms Emma Williams, Mr Brian White.

The Everybody Exhibition

This exhibition was designed in concept and form by Mary and Grant Featherston. Children were consulted about the content and assistance came from many different sources in the community. The exhibition has proved to be very popular, combining a 'hands on' with a 'minds engaged' approach, which visitors appreciate. Les Gilbert, the sound designer, has made many innovations in the use and control of sound and, as a result of his work with the Children's Museum, has now designed sound for museums all over Australia.

Sculptor Peter Corlett has been central to the success of the exhibition. He initially sculpted five figures of the *Everybody* family, but due to popular demand he has created a further two. He also produced the famous 'food tube'.

The cost of the exhibition including evaluation, revision and adjunct programs has worked out at $500 per square metre.

Discovery Room

The Discovery Room was established to provide a place where children could handle material from the Museum in an atmosphere which encouraged discovery and thoughtfulness; a place of memorable exhibits which would stimulate children and families to explore their own environments at home. Exhibits include freeze-dried natural history specimens, fossils, shells, a section on helmets linking those of the past with bicycle helmets, and many other treasures. A measure of the success of the Discovery Room is the fact that many children have visited up to seven times. The building of a museum-going habit in the expectation of enjoyment and learning, is just the kind of response the Children's Museum is seeking.

Activities

Activities which relate the exhibitions of the Museum more closely to children are an important part of the Children's Museum's work. In the August holidays prior to the official opening children were asked to redesign the human body. Many of these paintings have been hung in the Everybody Exhibition.

The programs this year have been supported by audio-visual material organised by Glenn Cross who has been with the Children's Museum on a work experience scheme. The multipurpose theatre space has facilitated lectures, demonstrations and meetings, as well as providing audio-visual material.

Dinosaurs and Dragons

Conducted jointly with the Museum of Australian Chinese History and partly funded by the Melbourne City Council and the Victorian Tourism Commission. Anne-Marie Power was artist-in-residence for the summer and she organised workshops where children made scales for a giant dragon or a giant dinosaur. These creatures joined the Chinese New Year celebrations in a street parade and ended up at the Museum of Australian Chinese History. Vanessa Beck, the other artist-in-residence over the summer, created a mural for the fence on Little Lonsdale Street, using children's drawings of dragons and dinosaurs. The aim of the project was to provide an enjoyable activity for children over the holidays, to help them learn craft and artistic skills, to link science and the arts and to learn something of Chinese culture.

Marine Month

In the May holidays a marine theme program was organised. The Maritime Science Laboratories, courtesy of the Ministry for Conservation, Forests and Lands, lent a large marine fish tank stocked with species from around Port Philip Bay. Activities included fish printing, which had been learned from last year's Science and Humanities scholar, Dr Eric Hochberg, as well as a number of other marine-related activities.

What If I Couldn't . . . Workshops

In the summer school-holidays the Museum conducted sessions designed to introduce children to the experience of disability. We worked with the Deafness Awareness Foundation to design a 'What if I couldn't hear' session which involved children learning sign-language and being led to understand the experience of being deaf. With the Royal Institute for the Blind, a 'What if I couldn't see' activity was designed, which also attempted to give the children the experience of disability.

Partnerships In Science

As part of the effort to relate young people to the Museum, Partnerships In Science was launched. This scheme is to encourage adventurous young people in their pursuit of science. We ask them to put up a research

proposal and budget, then partnered them with a professional scientist in a research institution. This year, two students did a research project on solar energy for aeroplanes at Melbourne University's Department of Mechanical and Industrial Engineering, and another student did a project at Burnley Plant Research Institute on the effects of detergent on the growth of plants. From the experience of this first year Partnerships In Science is being expanded to include Technology and the Arts. The Museum is indebted to Professor Bill Muntz, Dean of Science at Monash University, for his assistance.

Relations with Schools

The central purpose of the Children's Museum is to offer the visitor a chance for one-to-one contact with material in the Museum. It is 'hands on' and 'minds engaged' approach, but above all visitors must explore at their own pace and in their own way. Thus the smaller the visiting group the better. The ideal is to come as part of the family with both older and younger people acting as questioners and interpreters of the culture and of information.

Volunteer Staff

The Children's Museum could not be run without the assistance of its volunteer staff who are recruited, trained and co-ordinated by Lauris Jephcott and Trish Brawn. The youngest explainer is 10, and the oldest 73; the total number of volunteers is eighty-seven. They come from a great variety of backgrounds, but all have valuable experience to offer. They are a precious resource.

Sources of Support

The community at large has been very generous in its support of the Children's Museum. Over $275 000 has been raised from a great variety of sources. We especially acknowledge the generous support of the Ministry for Health who have documented the exhibition on film, produced an audio-visual and enabled us to employ a staff person to develop the Everybody exhibition as an outreach activity for the Museum.

Acknowledgements

The Lance Reichstein Foundation; The Myer Foundations; Ministry for Health; Power House Museum, Sydney; Dr Judy Kinnear; Apple Australia; Melbourne University; Monash University; Lincoln Institute; Footscray Institute of Technology; Ministry for Conservation, Forests & Lands; Painters & Decorators Union; Royal Melbourne Institute of Technology; Ministry for the Arts; School for Deaf Children; Royal Victorian Institute for the Blind; Marine Science Laboratories, Queenscliffe; Plant Research Institute, Burnley Gardens; Myer Stores, Melbourne; Victorian Tourism Commission; Solar Energy Council.

Conclusion

This has been an exciting first year for the Children's Museum, with 235 989 visitors in the first nine months (to June 30).

Public response has been very encouraging. The Museum is now seeking to define new roles, carry out research and development in many different aspects of exhibition design and presentation and explore new ways of acknowledging the half of Museum visitors who are children.

Education Service

Staff

In April Mr. Ron Miller obtained promotion and transferred to Grovedale West Primary School. Mr. Miller had been seconded to the Museum of Victoria and prior to that, to the National Museum of Victoria for 17 years. During that period he made a significant contribution to

the educational programs of both institutions as well as to Museum education around Australia. Mr Miller was replaced as Education Officer in charge by Rosemary Taylor and Lynette Beasley was seconded to fill the resulting vacancy.

School Programs

The Education Service provided a range of activities for the approximately 200,000 school students who visited the Museum in organised school parties.

A range of ongoing activity programs that introduce school students to the collections and displays of the Museum were provided.

A range of education kits were produced for use with, e.g. *Story of Victoria, Rural Victoria, S.I.O. Great Exhibition of Victoria, Croation Folk Art, Devils, Drugs & Doctors, Prohibited Imports Exports, Telecom: From Semaphore to Satellite, Baldwin Spencer: The Aborigines of Northern Territory,* and *Halley's Comet.*

A variety of 'hands-on' activity programs were provided for visiting school groups to accompany these exhibitions, eg. Nature Printing for Pressed on Paper, activity kits for the Rural Gallery, trails and touch trolleys for *Prohibited Imports Exports,* and *Venomous Marine Animals* as well as activities for Telecom.

The Education Service also provided special programs for Heritage Week and International Museums Day, assisted by volunteers from Friends of the Museum of Victoria.

Professional Development

Members of the staff attended both the Council of Australian Museum Associations held in Bendigo in October and the Museum Education Association of Australia Conference held in New Zealand in August. As well, a majority of staff attended meetings and seminars organised by the Museum Education Association of Victoria.

Inservice Training of Teachers

The Education Service expanded its program of providing inservice training for teachers, including one on the general theme, 'using the Museum of Victoria as an effective Educational Resource'.

In addition a number of evening inservices were held relating to exhibitions and activities including *'Devils, Drugs and Doctors', Telecom: 'From Semaphore to Satellite',* and *'Halley's Comet'.*

Volunteer Personnel

Voluntary Advisory Committee

Throughout the Museum's history, volunteer personnel have assisted staff in research projects, daily routine matters and working with the public. Their involvement has been recognised as an essential and enhancing aspect of Museum work overall.

In mid 1984 a workshop held to discuss the continuing role of volunteer personnel in the Museum recommended:

1. That a Volunteer Advisory Committee should be formed.
2. That there was a need for overall co-ordination of voluntary work in the Museum.

A Voluntary Advisory Committee was subsequently established. Its staff and volunteer members drew up a policy document for voluntary work in the Museum. A first action of this committee was to recommend that a paid position of Co-ordinator of Volunteers be established. This staff member would liaise with Museum staff and volunteers, implement and develop suitable training programs, and manage the overall involvement of volunteer personnel throughout the Museum. Late in 1985, the position was established, initially for two days a week for a three month trial period. Mrs Marje Minchin was appointed to the position. The appointment was

subsequently extended until June 1987, at four days a week.

Museum staff can now use the office of the Co-ordinator of Volunteers to seek satisfactory skilled persons for voluntary job positions that would benefit the work of their respective Departments. The office of the Co-ordinator of Volunteers is, in fact, a voluntary-work agency for the Museum. Departments can advertise for particular volunteer personnel and, reciprocally, new personnel can be shown the range of voluntary work available and through discussion with the Co-ordinator be guided as to the most appropriate area of work for them.

To extend new volunteers' understanding and knowledge of the Museum generally, a training program designed as an orientation to the Museum is being developed. An initial session which outlines the history, philosophy and objectives of the Museum has been piloted. It is complemented by another session which introduces participants to Departments with major responsibilities to the setting up and maintenance of exhibitions. Another session is particularly designed for any personnel who work with the public. It looks at communication skills and techniques for ensuring effective public relations. Further sessions are being proposed to extend these initial sessions.

The response to the pilot session has been very satisfactory. Both staff and volunteers, new and old, have attended and recommended that the sessions be offered on a continuing basis.

In the past year, approximately one hundred volunteer personnel have regularly contributed several hours of work per week or fortnight to the Museum. Some of these committed people have been working at the Museum for a number of years, others are involved for shorter periods. As a result of the current community-work environment, many of the new enquiries are from young people seeking work experience. Very often they can be usefully involved in short-term work projects. They, in return, gain confidence and work experience. Persons retired from paid work are significant among the new volunteers.

In addition to Departmental work, volunteer personnel made major contributions to the success of two Museum endeavours this year.

The first was Cometwatch at Jell's Park, Glen Waverley, during the sightings of Halley's Comet. Between 10-15 volunteers directed and marshalled the huge crowds on each of the ten nights. The volunteers came from the Museum Friends, and local service clubs, including the Kiwanis and Apex groups.

International Museums Day in May was, as in previous years, generously assisted by 100 volunteers who lined the dungeons-and-beyond route throughout the day. Most of these people were members of the Friends.

The work of the Museum, both behind the public galleries and within them, is extended and enhanced by the assistance of the volunteer personnel and their efforts contribute significantly to promoting the ongoing role of the Museum in the community.

A simple thank-you is extended to each one for work given in the past year.

Volunteer Advisory Committee Membership 1985-86

Betty Argo — *Volunteer, Natural History*
Helen Bartoscewicz — *Friends Society*
Mark Chandler — *Human Studies*
Glen Howard — *Management Services*
Lauris Jephcott — *Children's Museum*
Lorna Lawrence — *Volunteer*
Marje Minchin — *Co-ordinator of Volunteers*
Penny Morison — *Guide Co-ordinator*
Eric McClellan — *Public Programs*
Euan McGillivray — *Science and Technology*

Ian Sullivan — *Astronomical Society of Victoria*
Peter Swinkels — *Preparators, Public Programs*
Betty Thompson — *Vertebrate Palaeontology, Natural History*
John Zolis — *Management Services*

Volunteer Guides

Activities

Museums Day was the highlight of the year. Nineteen guides concentrated their efforts on four touch carts in the galleries. The carts contained artefacts relating to Introductions to the Museum (Swanston Street Foyer); *Story of Victoria* (Stawell Gallery); *Prohibited Imports and Exports* (Thorpe Gallery); Victorian Aborigines (Kershaw Hall).

They also worked with the Education staff in conducting activities in the *Rural Victoria* Exhibition and with other volunteers on the Dungeon Tours and Information desks.

For the rest of the year they offered two tours each Saturday and Sunday afternoon and on Thursday. The Introduction to the Museum touch cart is also in regular use near the Swanston Street entrance. Guides find it a valuable resource which facilitates contact with visitors and enables them to discover people's interests and direct them to appropriate exhibitions or to stimulate interest in others.

Training

The number of Guides now stands at twenty-one, the majority of whom work at weekends. A new recruitment program is scheduled for late September 1986, with training commencing in October.

Six-weekly training sessions have been conducted throughout the year. The sessions focussed on:

* Adult-learning techniques
* Touch cart techniques
* *'European Wasps'*
* *'Devils, Drugs and Doctors'*
* *'Venomous Marine Life'*
* *'Continuity and Change in Eastern Arnhem Land'*

The input from Museum staff in these sessions has been invaluable and extensive.

The formation of the Museum of Victoria substantially increased the subject areas with which Guides need to be familiar beyond reasonable expectations. In order to ensure that the knowledge required by Guides is kept at realistic levels, future Guides will be trained to have a comprehensive general knowledge of the Museum complemented by a deeper knowledge in a more specific field such as natural history or Victorian history.

Guide Post

Nigel McGillivray has taken responsibility for the production of this six-weekly newsletter. Its circulation of seventy includes Guides and staff, all of whom have indicated they find it a valuable source of information about forthcoming attractions in the Museum.

Resource Library

A work-experience student from the RMIT library course has organised the continually expanding library which is situated in the Community Services room. The books, leaflets, magazines and cassettes it contains are a valuable and accessible resource used frequently by the Guides.

Commercial Operations

This was an important year for the Commercial Operations Department with the implementation of commercial accounts systems and consolidation of Commercial Operations objectives. With Ministerial approval we have undertaken to appoint suitable accounting staff for Commercial

Operations needs and have implemented a proper business accounting system. A near total turnover of $800,000 well above the estimated budget of $650,000, was achieved.

During the year the Souvenir Shop expanded into a second outlet in Monash Hall, near Swanston Street. This allowed us to capitalise on the paying exhibition visitors at Russell Street, and further develop our identity and clientele at the Swanston Street shop.

Food services were expanded to cover all Museum catering and saw the successful management and promotion of Museum areas for special events, as seen in the Mobil Business and the Arts Awards.

Photography services were implemented into Commercial Operations during the year and now service industrial and commercial institutions as well as Government Departments. This is proving to be a financial success which will further finance the production of archival material for sale in the shop.

Commercial Operations also undertook the management of paying exhibitions and the production of exhibition merchandise. This was particularly successful during the *Devils, Drugs and Doctors* exhibition. The Department is currently wholesaling stock produced for this exhibition to all ongoing venues for the exhibition.

Management Services Division

General

The Management Services Division continued with the development that commenced early in June 1985 when the administrative functions of the former National Museum of Victoria, Science Museum of Victoria and Central Administration were combined under the new Deputy Director, Mr John Zolis. The Division was able to progressively assume its primary role of providing a wide range of administrative services, despite difficulties with staff shortages.

Finance

The staff shortage situation was most critical in the Finance area where the workload increased dramatically with the Section assuming responsibility for the financial reporting of the Museum's Commercial Operations and due to the increased activity relating to the greatly expanded exhibitions program. The problems confronting the Section were recognised early in the financial year and consequently the Section was restructured. The much needed accountant positions were advertised in May, 1986.

Personnel and Office Services

This Section was also faced with staff shortages and a backlog of work at the commencement of the financial year. As the year progressed, the Section began to implement many new systems and procedures (particularly in relation to leave recording) while attempting to consolidate the Personnel and Position documentation of the three former institutions.

Stores and Transport

The appointment of an officer to the newly created position of Stores and Transport Officer in August 1985 enabled existing procedures for ordering and control of stores and vehicles to be strengthened and new procedures to be developed.

Buildings and Property

Appointments early in the financial year enabled the Section to provide greater service to both the Museum and State Library than was possible in the past. These efforts have been recognised by the Ministry and Public Works Department and the Museum is now taking a progressively responsible role in the overall management of the Works and Services Program.

Library Services

Administrative control of the Museum's Library Services was transferred to the Deputy Director (Management Services) during the year. The Librarian positions were previously seconded from the State Library but a review of Government Department Libraries had recommended the transfer of many such secondments to the Department concerned. Discussions have taken place with the State Library and consequently the Senior Librarian position at the Museum was transferred to the Museum's staff establishment. Further discussions on a structure for the other Library positions are now in progress.

Safety/Security Services

The 1985/86 financial year saw the commencement of an improved level of communication between Attendant Staff and Museum Management. Essential to this development was the desire by Management to give recognition to the vital role played by the Attendants in all Safety and Security issues and accordingly they were re-named Safety/Security Officers.

The two female Officers appointed during 1984/85 have proven to be a resounding success and the Museum is actively encouraging more applications from women.

The Building Management Committee

The Building Management Committee, established in accordance with the provisions of the Museums Act 1983, has responsibility for the entire Museum/State Library Works Program.

Members of the Committee for 1985-86:
Professor J.W. Warren, President, Council of the Museum of Victoria (Chairman)
Mr P.S. Parkin, Council of the Museum of Victoria;
Mr B. Johns, nominee of the President, State Library Council;
Cr P.B. Dahan, State Library Council.

The Committee met on six occasions during the year and continued to monitor the Works Program carefully with particular emphasis on the progress of works related to health and safety and also on the expenditure of the total program allocation. Expenditure of the local works program allocation was achieved for the first time in the 1985-86 financial year. The appreciation of the Committee was extended to the staff of the Public Works Department, the Ministry for the Arts and the Museum's Building and Property Section for their efforts in organising completion of the program.

In early 1986, officers of the Melbourne City Council and the Metropolitan Fire Brigade undertook a survey of the fire services and facilities within the building complex. A detailed report is expected to be available during the next financial year and it is anticipated that considerable expenditure will be necessary to improve the level of safety for the building's visitors and staff.

Particular concern has been expressed by the Committee regarding the condition of the building's facade stonework especially those sections that are breaking away and falling. The Public Works Department in conjunction with expert consultants have conducted investigations to assist in establishing appropriate processes for the restoration work to be undertaken and it is estimated that the works necessary will cost in the vicinity of $10 million. In the meantime protective barriers and overhead covers have been erected to ensure the safety of visitors in the area. However the barriers have attracted considerable criticism because of their impact on the view of the building facade and less obtrusive barriers are to be erected by PWD in the near future.

Works Program

The total allocation for the Museum/Library complex for the year was $1,340,000 and the allocation, for the first time, was fully expended.

Major Works

Following is a brief summary of work completed on major projects during the year.

Electrical Works: Allocation: $158,000 — Expenditure: $156,948. The major electrical work undertaken included: replacement of the main electrical switchboard; rewiring of the Dome Building and the McCoy Hall dioramas; new lighting systems for Stawell Gallery and McArthur Hall; and switchboard identification throughout the building. In addition to these projects, all sub-switchboards were replaced and emergency battery back-up lighting was installed or upgraded in a number of locations throughout the complex.

Latrobe North West Wing Airconditioning: Allocation: $391,000 — Expenditure: $391,000. Work on this project was satisfactorily completed on schedule and arrangements are in hand to re-occupy the area vacated while work was in progress.

Storage Cabinets and Shelving: Allocation: $51,000 — Expenditure $50,688. This allocation was fully expended and the equipment purchased provided considerable additional storage capacity for both the Museum and Library. However demand is still much greater than supply and much more equipment is required for total storage needs.

Thermal Alarms: Allocation: $55,000 — Expenditure: $54,126. Further extensions were made to the thermal alarm and smoke detector network throughout the complex. Additional works were also completed on upgrading the alarm identification systems.

Roof Repairs: Allocation: $58,000 — Expenditure: $56,289. Roof repairs were carried out to a number of areas throughout the complex including McAllan Gallery, McArthur Hall and Queens Hall.

Security Works: Allocation: $221,000 — Expenditure: $220,390. Considerable attention was given to progress of safety/security works and much was achieved in this area. The scope of works undertaken included fire-door repair and replacement, removal of asbestos from the Boiler Room, installation of an emergency exit-ramp for the disabled, installation of a number of laboratory fume extraction systems and the installation of additional security measures. Fifteen projects were completed and further work on fire-escape stair, fire-door

and fume-extraction installation has commenced.

Redevelopment Works: Allocation: $79,000 — Expenditure: $78,820. Major works undertaken within this project included a substantial refurbishment of the Dome Building and establishment of a new office for the Museum Director.

Dovers Building: Allocation: $107,000 — Expenditure: $104,244. Substantial progress was made towards completion of Stage 1 of the Building renovation program. Work completed included the removal of all partitions and other asbestos-based materials, the removal and replacement of damaged upper-floor level windows and electric wiring.

Repairs and Restoration Works: Allocation: $12,000 — Expenditure: $6,411. These works were required following damage caused to the building by the bomb blast at Russell Street Police Headquarters. The damage suffered was mainly to windows on the Russell Street frontage of the building.

Minor Works: Allocation: $215,000 — Expenditure: $214,989. Many small but important projects were completed under Urgent and Essential and Program Works. These included renovation of State Library Administrative Offices, upgrading of toilet facilities on the south-west corner basement, replacement and installation of new handrails at the Russell Street and La Trobe Street entrances, installation of a new mezzanine floor for storage purposes in the La Trobe Gallery, upgrading and installation of floor coverings for the floor of Kershaw Hall, overhaul and upgrading of air-handling systems through the building, together with extensive maintenance and repair works.

APPENDIXES

APPENDIX 1

Council of the Museum of Victoria

PRESIDENT
Professor James Wolfe Warren, MA, PhD

DEPTY PRESIDENT
Mr David Harold Kemp, MA, BSc

TREASURER
Mr Ian Sinclair, FAC (from August 1985)

MEMBERS
Mr Peter Murphy Harvie
Mrs Valmae June Heap
Professor Frederick Raphael Jevons, MA, PhD, DSc
Dr Marilyn Lake, MA, PhD
Ms Jane Louise Lennon, MA
Mrs Sarah June Myer
Mr Peter Stuart Parkin, BEE
Dr Henry Norman Burgess Wettenhall, AM, MD, BS, FRCP, FRACP

EXECUTIVE OFFICER
Mr Robert Edwards, Director

SECRETARY
Ms Hilary Newton, BA

APPENDIX 2

STAFF DIRECTORATE

DIRECTOR
Robert Edwards

SECRETARY
Patricia Bone

Natural History Division

HEAD OF DIVISION: Vacant

Geology

HEAD OF GEOLOGY: Thomas A. Darragh, MSc, PhD, DipEd

Department of Mineralogy and Petrology
CURATOR: William Birch, BSc(Hons), PhD
TECHNICAL ASSISTANT: Dermot Henry

Department of Vertebrate Palaeontology and Palaeobotany
CURATOR: Tom Rich, AB, MA, PhD
TECHNICAL ASSISTANT: Elizabeth Thompson

Department of Invertebrate Palaeontolgy
CURATOR: Vacant
ASSISTANT CURATOR: David Holloway, BSc(Hons), PhD
TECHNICAL ASSISTANT: Penny Clark

Zoology

SENIOR CURATOR IN ZOOLOGY: Vacant
TECHNICAL ASSISTANT: Vacant

Vertebrate Zoology

Department of Mammalogy
CURATOR: Joan Dixon, BSc(Hons)
TECHNICAL OFFICER: Linda Huxley, BSc

Department of Ornithology
CURATOR: Vacant
TECHNICAL ASSISTANT: Belinda Gillies, BA, DipEd

Department of Herpetology
CURATOR: John Coventry

Department of Ichthyology
CURATOR: Martin Gomon, BSc, MSc, PhD
TECHNICAL ASSISTANT: Vacant

Invertebrate Zoology

Department of Invertebrate Zoology
CURATOR: C.C. Lu, BSc, MSc, PhD
ASSISTANT CURATOR: Sue Boyd, BSc
TECHNICAL OFFICER: Rhyll Plant

Department of Entomology and Arachnology
CURATOR: Arturs Neboiss, MSc, PhD, FRES
ASSISTANT CURATOR: Ken Walker, BAgrSc, MSc
TECHNICAL OFFICER: Catriona McPhee, BAgrSc

Department of Crustacea
CURATOR: Gary Poore, BSc(Hons), PhD

Department of Biological Survey
SURVEY OFFICER: Vacant
ASSISTANT OFFICER: Alan Yen, BSc(Hons), PhD
TECHNICAL ASSISTANT: Peter Lillywhite

Science and Technology Division

HEAD OF DIVISION: Vic Finlay, MIEAust (Acting Deputy Director)
ADMINISTRATION: Ron Brook, Elvie Ebdon, Lorraine Langmuir, Julie Witzand
CURATOR OF ARMS: Ray Fielding
CURATOR OF ASTRONOMY: Robin Hirst, BSc(Hons), PhD, DipEd
CURATOR OF ELECTRONICS: Geoffrey Holden, DipChem
CURATOR OF ENGINEERING AND TRANSPORT: William Sidebottom, BSc
LIBRARIAN: Gabrielle Hawkins
CURATOR OF NUMISMATICS: John Sharples, MA
CURATOR OF PHOTOGRAPHY: Euan McGillivray, DipArt & Design(Photog)
RESEARCH SCIENTIST: Hayden Downing, MAgrSc, BEd, BA, PhD
CURATOR OF RURAL SCIENCE: Martin Hallett, MAgrSc, DipEd

Temporary Appointments

ASSISTANTS, ASTRONOMY:
Zelko Karlovic
Richard Allen
REGISTRAR:
Ruth Leveson, DipLib, GradDipMusStudies
SPECIAL PROJECTS:
John White, Curator, Wool Museum Project
P. Niehoff, Research Assistant, Wool Museum Project

Maintenance of Clocks and Watches

R.P. Leach

Public Programs Division

HEAD OF DIVISION: John Chessells, BA (Deputy Director)
SECRETARY: Lyn Anderson, Hilary Newton, BA
MANAGER, MUSEUM RESOURCE SERVICE: Eric McClellan, BSc(Hons), PhD(Melb), DipEd
SECRETARY: Kayelene Traynor

Design Department

Paul Dillon, DipIndDes
Aziz Soliman, BA, MA(Decor Art)
John Challis, DipArt(Graphic Design)
Sue Grieve, DipArt(Graphic Design)
Zoran Lazarevic, DipIndDes
Laurence Mitchell, DipIndDes, TechTeachCert
Mark Patullo, DipArt(Graphic Design)
Sandra Lucey, DipArt(Graphic Design)

Photography Department

MANAGER: Frank Coffa, DipArt(Photo Illus), BA
Rodney Start, BA(Photograph)

Preparators Department

SENIOR PREPARATOR: Michael Traynor
Brent Hall
Kevin Kelly
Peter Swinkels
Antonia Love, DipArt(Visual Art)

Construction Workshop

SUPERVISOR: Heinz Lamp
Bill Bassett
Ron Buzza
Tony Di Beradino
Michael Neighbour

Technical Workshop

SUPERVISOR: Dal Barbare
Jim Cozens
Laurie Carter
John Lipper

Education Service

OFFICER IN CHARGE: Ron Miller, DipArt(Illust), TPTC (till March 86)
Rosemary Taylor, BA, BEd, TPTC (from March 86)
Kerrie Aulsebrook, DipTeach(Primary)
Helen Edmonds, BA, DipTeach(Primary)
Sally Howard, BEd, CertA
Pat Lyons, DipTeach(Primary)
Eva Maxsted, DipTeach(Primary)
Douglas McCann, DipAppChem, DipEd, GradDipLib
Rosemary O'Shea, DipArt, DipEd
Elaine Shields, BA, DipEd
Philip Spencer, BSc, DipEd
CLERICAL ASSISTANTS: Elaine McCarthy, Val McCormack

Conservation Department

SENIOR CONSERVATOR: Daniel Tworek, MSc
Margaret Perkins, BAgr, DipMusStud
Felicity Martin, BAppSci(AppChem)
Barbara Reeve, BA(Hons), BScCons
Sue Gatenby, BSc
William Snoek, BA(Hons)

Commercial Operations

MANAGER: Gair-Amina Cone, BA, DipEd
ASSISTANT MANAGER: Mara Bonelli
SUPERVISOR FOOD SERVICES: Julie Rayner
WEEKEND SUPERVISOR FOOD SERVICES: Karen Pepperell

Community Services

GUIDE CO-ORDINATOR: Penny Morison, BSc
VOLUNTEER CO-ORDINATOR: Marje Minchin
FRIENDS ADMINISTRATIVE ASSISTANT: Colleen Wendt

Children's Museum

DIRECTOR: Rachel Faggetter, BA, DipEd
SECRETARY: Carol Abbot
Dianne Beevers
Trish Brawn
Lauris Jephcott
Marian McNally
Kate Prinsley
CONSULTANTS: Vanessa Beck, Peter Corlett, Mary and Grant Featherston, Les Gilbert, Sarah Pizzey, Anne-marie Power

Human Studies Division

HEAD OF DIVISION: Andrew Reeves, BA(Hons), MA(Hons) (Deputy Director)
CURATOR: Ronald Vanderwal, BA(Hons), MA, DipMuseology, PhD
UNATTACHED OFFICER: Alan West, BA (to March 20)
CURATOR, DONALD THOMSON COLLECTION: Gael Ramsay, BA, MA
CURATOR, SPECIAL PROJECTS: Elizabeth Wills, BA(Hons), DipLib, MA
ASSISTANT CURATORS: Catherine Thorpe, BA, Mark Chandler, BA
COORDINATOR, VICTORIAN ABORIGINAL CULTURAL HERITAGE: John Atkinson
ABORGINAL LIAISON OFFICER: Kelly Koumalatsos (to April 15)
ABORIGINAL TRAINEES, NATIONAL EMPLOYMENT SCHEME FOR ABORIGINES: Arthur Cole, Jill Gallagher (to September 29)
STENOGRAPHER: Tracey Henst (from December 16)

Project

Gael Austin, Community Employment Program, Aboriginal Resource Centre and Keeping Place
Gabrielle Brennan, Murray Black Skeletal Collection
Kay McBride, BA, Murray Black Skeletal Collection, Donald Thomson Microfiche Project
Judy Hansen, BA(Hons), Aboriginal Resource Centre and Keeping Place Development Report; Assistant, Peace Exhibition
Annabel Harrison, Community Employment Program, Aboriginal Resource Centre and Keeping Place
Michael Honeysett, Community Employment Program, Aboriginal Resource Centre and Keeping Place
William Hughes, Community Employment Program, Aboriginal Resource Centre and Keeping Place
Nellie Moore, Community Employment Program, Aboriginal Resource Centre and Keeping Place
Sandra Smith, Community Employment Program, Aboriginal Resource Centre and Keeping Place

Management Services Division

HEAD OF DIVISION: John Zolis, B. Jurisprudence (Deputy Director)
SECRETARY: Sally Scott

Building and Property

MANAGER: Peter Ross, DPA
ASSISTANT MANAGER: Glen Howard
STORES OFFICER: Graeme White
STOREKEEPER: Howard Butters
GENERAL ASSISTANT: Mark Marchesi

Personnel and Office

PERSONNEL/OFFICE MANAGER: Kerry Lynch
PERSONNEL CLERK: Carl Lee, BA
LEAVE CLERK: Gary White, Vicki Wellsteed
RECORDS MANAGEMENT OFFICER: Barry Mackay
TYPISTS: Irene Skaras, Clara Rayment
SWITCHBOARD OPERATOR: Gary White, Christine Wills

Finance and Accounts

ACCOUNTANT — COUNCIL FUNDS: Alan Bryden, DipBusStudAccounting
ACCOUNTS PAYABLE SUPERVISOR: Zuzan Jones/Rodney Dale
ACCOUNTS OFFICER — VOTE: Ian Gartland
ACCOUNTS OFFICER — COUNCIL: Annie Baker
REVENUE OFFICER: Michael Milovitch
COMMERCIAL OPERATIONS AND REVENUE ASSISTANT: Deborah Gombarovic

Safety and Security

SUPERVISOR: Tom Duke
DEPUTY SUPERVISOR: Jim Barclay
SAFETY/SECURITY STAFF: Mario Abela, John Allen, George Angelopoulos, Arthur Ashton, Lealie Attard, John Beeston, Charles Bonavia, Anthony Bonica, Les Brain, Alan Bunston, Frank Burton, Alan Cotter, Ron Crosby, Joe Cutajar, Ken Dewhurst, Karl Doppel, Norm Douglas, Alan Dunn, Paul Ebert, Alan Gardiner, Bill Grech, Rodney Grey, Chris Grundy, Les Grundy, Kim Haines, Rodney Hanson, Greg Hodgkinson, Terry James, Ted Joselin, Peter Kilduff, Jack King, Michael Knight, Jim Longworth, Neil McGain, John McGuire, Greg McKenzie, Russell Marshall, Robyn Moore, John O'Halloran, Claude Parrini, Lawrence Pitt, Peter Rayment, Rudolf Rebeiro, Michael Redmond (Senior), Michael Redmond (Junior), Simon Sammut, Danny Sibincic, Sue Spina, John Stevens, Jack Van Der Beek, Jeff Van Der Wolf, Anton Wedmidski, Chris Zikos.
CLEANERS: Dale Arden, Nick Angeletos, Mary Camileri, Carman Cassar, Nunzia Di Grande, Georgia Dounis, Irene File, Kon Hatzidakis, Harry Hiotellis, Joanna Kambouris, Maria Kambouris, Glenda King, Chrisoula Markopoulos, Nick Nicolopoulos, Maria Peluso, Katica Radman, Kevin Shannon, Maria Tapia, Isabella Tomaino, Lina Tsolakis, Connie Ventrice

Library Services

LIBRARIANS: Julianne New, BA, ALAA, Beryl Armstrong, GradDipLib, Nicole Foxlee
CLERICAL ASSISTANT: Lilli Galli

APPENDIX 3

HONORARY POSITIONS AND VOLUNTEERS

Honorary Positions

The following Research and Honorary Associates have given generous assistance with the work of the Museum during the year. To them the thanks of the Council and Staff are extended.

HONORARY CURATOR OF ARMS

Major E.J. Millett, (RL), MBE, MCIT

HONORARY ASSOCIATES

Human Studies
Dr Alistair Campbell, Mr Douglas Ellicott, Mr Robert Rowlands, Mr Geoff Walker, Mr Noel Wallace, Miss Judith Wiseman

Ornithology
C.N. Austin, Robert Baird, N.J. Favaloro, G. Pizzey, Dr P.V. Rich, Sir Henry Somerset, R. Weatherly

Herpetology
Dr M.J. Littlejohn, K.C. Norris, P.A. Rawlinson, C. Tanner

Mammalogy
Dr A.K. Lee, J. McNally, R.M. Warneke

Ichthyology
Rudie H. Kuiter

Entomology
A.N. Burns, D.F. Crosby, C. McCubbin, Dr T.R. New

Crustacea
M. Drummond, D. Staples

Invertebrate Zoology
Dr A. Ayling, K.N. Bell, J.H. Black, P. Bock, R. Burns, R.C. Kershaw, A.E. Monger, Brother M. O'Loughlin, Mrs J. Watson, L. Winsor, Dr B.J. Smith

Palaeontology
A.C. Collins, R.J. Foster, E.D. Gill, Dr J. Richardson, Dr J.A. Talent, D.J. Taylor, H.E. Wilkinson

Mineralogy
Dr A.W. Beasley, Professor J.F. Lovering, Dr E.R. Segnit

HONORARY DEMONSTRATORS IN ASTRONOMY

B. Adcock, K. Bambury, K Beard, Dr A. Bradbrook, V. Celna, Dr B. Clark, A. Coombs, I. Downes, F. Farr, L. Foster, K. Fowler, E. Gainsford, K. Griffin, A. Guarino, N. Hargrave, K. Harrison, J. Izzo, R. Lawrence, D. Martin, S. Pattie, N. Plever, Dr B. Poppleton, P. Pottage, B. Racine, J. Reeves, L. Stevens, I. Sullivan, J. Trainor, B. Tregaskis, J. White

Volunteer Personnel

The following people have given much time throughout the year in assisting staff in regular Departmental work. They have contributed so much towards extending Museum work generally. The Museum gratefully acknowledges their assistance.

PUBLIC PROGAMMES: Jim Dollas, Josephine Famularo, Joanna Laine, Tom Burchell, Lorna Mainka, Wolfe Steinke, Christine Lynch, Noelene Gruar, Noela Haines, Nigel McGillivray, Dean Smith, Jean Cuthbert

HUMAN STUDIES: Alistair Campbell, Sue Arne, Andrew Anastasios, Jean Clarke, Muriel Elden, Tina Leslie, Una Allen, Jena Pullman, Judy Hansen, Linda Muller, Jean Wilson, Heidi Marfurt, Isalbel Ellender, Douglas Ellicott, Eva Haebich, Melanie Raberts, Lyn Siejka

SCIENCE AND TECHNOLOGY: Pen Chomley, Robert Parrett, Noelene Gruar, Vernon Routley, Nigel McGillivray, Gary Vines, Allwynne Fairweather, Walter Vears, Stan Chivers, L. Shaw, K. Ayton, S. Goldsworthy, S. Hallett, S. Mead, F. Perry, L. Sprunt.

NATURAL HISTORY: Elizabeth Cooper, Roslind Poole, Tarmo Raadik, Peter Leetong, Jane Shilling, Caroline Gray, Robin Nettleton, Ellen McCulloch, R.F. Baird, Joan Chong, Corin Hurley, Kate Martin, Betty Argo, Charles Gauci, Neil Baldwin, Cattini, Paul Constable, Tim O'Hara, C.P. Handreck, D.A.B. Phillips, J. Greaves, Joy Burns, Gordon Burns, Peter Kelly, Elizabeth Danne, Mariyana Cirvydas, Kirsty Warren, John Langlois, Geoff Hall, Margaret Kelly, Graham Milledge, Wendy Love, Tineke Woodroffe, Rhonda Butcher, Jack Leach, Jane Edwards, Ruth Coulsell, Frank Holmes, Tom Gunn, Ruth Coulsell, Joan Lamond, Margaret Day, Lyn Haupt, Mr Julian Goldsworthy (also employed for three months), Enid Holmes, Alison Jones, Pat MacDonald, Peter Corcoran and J. Viljoen, Trevor Almeida, Gerry Alkin, Rebecca Askew, Aiden Banfield, Ernest Bannister, Gavin Bastienz, Antoniette Beuche, Steven Birch, Ray Blanford, Mark Blows, April Boughton, Iris Brailey, Helen Brown, Chris Byrnes, Sandra Cattin, Angela Chappell, Michelle Colwell, Martin Cook, Mike D'Monte, Leo Dwayne, Alan Fraser, Craig Garrett, Doris Gerald, John Herman, Allan Hey, Grame Hird, Robert Hodge, William Hopkins, Kerrin Hoskin, Katy Humble, Peter Jobson, Dawn Kanost, David Kennedy, Wendy Knight, Lesley Kool, Jozica Klutin, Joan Lamond, Penny Love, Elizabeth Lush, William McInnes, Gregory McNamara, Colin Macrae, Jennifer McEwen Mason, Robert McEwen Mason, Hilary Manning, Jennie Mills, Luke Molyneaux, Paul Morris, Mark Morrison, Catherine Moyniham, Neil Padbury, Scott Pownell, Natallie Schroeder, Keith Scilley, Nicholas Seddon, Herman Siebert, Steven Siebert, Frank Stuart, John Stockfield, Debby Thiele, Robert Tranter, Constance Trumbull, Dane Truscot, Charles van der Groot, Vincent van der Zee, JSanja van Huet, Nicholas van Klaveren, Barbara Wagstaff,

Keryn Walshe, Michael Whitelaw, Thomas Whitelaw, Kathryn Wilson.
PHOTOGRAPHY: John Augier — until 12 July 1985, Anthony Di Paolo, Wayne Hall, Wolfe Steinke, Lisa Goodrich.
DESIGN: Michelle Leber, Denise Sullivan, Wolfe Steinke.
PREPARATORS: Dean Smith, Jean Cuthbert.

In addition to all these people there are all those who offer the Guiding Service, and the large number of people who work as Explainers in the Children's Museum. The following have significantly contributed to particular aspects of Museum work at different times of the year. Some of these people are always willing to help on special occasions. Others in the list are now to do Museum voluntary work: David Arnel, Liselotte Goodrich, Ron Johnson, Lindsay Shaw, Valerie Crohn, Susan Bridelink, Elspeth Pearson, Denise Sullivan, Meredith Capp, Michelle Leber, Rosa Marchionda, Mark Bishop, Amy McGlagish, Helen White, Anthony Dufty, Christine Dehn, Rupert Russell, Sarah Burnett, Jozef Markowski, Heather Brown, Susan Brown, Elizabeth Aickin, Daryl Gruar, Judyth Edquist, May Coillett, Edna Usher, Juan Aguar, Margaret McKillip, Sandra Houghton, Brian Beardsmore, Raymond Joosten, Maria Friscina.
Special mention must be made of the following groups for assisting at Cometwatch, Jell's Park, in April: Waverley Kiwanis Club, Waverley Apex Club, Springvale Apex Club, Waverley Venturers, Waverley Rotary Club, Glen Waverley Boys Club.

Thanks must also be expressed to all those people who worked on International Museum Day.

APPENDIX 4

PUBLICATIONS BY STAFF

Natural History

Andersen, A.N. & Yen, A.L., 1985. Invertebrates collected by pitfall traps in mallee and heath in the Big Desert, Victoria. In Greenslade, P. & Majer, J.D. (Eds). *Soil and litter invertebrates of Australian Mediterranean type ecosystems.* Western Australian Institute of Technology, School of Biology Bulletin No. 12: 75-76.

Baird, R.F., 1985. 'Avian Fossils from Quaternary deposits in "Green Waterhole Cave", South-eastern South Australia'. *Records of the Australian Museum,* 37 (6): pp. 353-370.

Baird, R.F., 1986. 'Tasmanian Native-hen *Gallinula mortierii:* the first Late Pleistocene record for Queensland". *Emu,* 86 (2): pp. 121-122.

Birch, W.D., 1985; Calc-Silicate rocks at Toolangi, Victoria. Proc. R. Soc. Vict. 97 (1): 1-18.

Birch, W.D., 1985. A note on large crystals of priderite, jeppeite, wadeite and other minerals from Walgidee Hills, West Australia. *Aust. Mineral,* 50, 298-302.

Birch, W.D., 1986. Zinc Manganese carbonates from Broken Hill, *New South Wales. Min. Mag.* 50 (1), No. 355, pp. 49-54.

Flannery, T. and T.H.V. Rich, 1986. Macropodoids from the middle Miocene Namba Formation, South Australia, and the homology of some dental structures in kangaroos. *Jour. Paleo.* 60 (2): 418-447.

Jell, P.A., 1985. Tremadoc trilobites of the Digger Island Formation, Waratah Bay, Victoria. *Mem. Mus. Vict.,* 46: 53-88, pls. 19-33.

Jell, P.A., Burrett, C.F. & Banks, M.R., 1985. Cambrian and Ordovician echinoderms from eastern Australia. *Alcheringa,* 9: 183-208.

Jell, P.A. & Stait, B., 1985. Tremadoc trilobites from the Florentine Valley Formation, Tim Shea area, Tasmania. *Mem. Mus. Vict.,* 46: 1-34, pls. 1-13.

Jell, P.A. & Stait, B., 1985. Revision of an early Arenig trilobite faunule from the Caroline Creek Sandstone, near Latrobe, Tasmania. Mem. Mus. Vic., 46: 35-51, pls. 14-18.

Lew Ton, H.M. and Poore, G.C.B., 1985. Neastaeilla falclandica (Ohlin), type species of the genus, and N. tattersalli, a new species (Crustacea: Isopoda: Arcturidae). Proc. biol. Soc. Wash., 99: 191-195.

Lew Ton, H.M. and Poore, G.C.B., 1986. Neastaeilla Tattersall, 1921 (Crustacea, Isopoda): request for confirmation of Astacilla falclandica, Ohlin, 1907 as type species. Z.N.(S.)2509. Bull. zool. Nom. 43: 99.

Lu, C.C., Roper, C.F.E. and Tait, R.W., 1985. A revision of Loliolus (Cephalopoda: Loliginidae) including L. noctiluca, a new species from Australian waters. Proc. R. Soc. Vict., 97: 59-85.

McEvey, A.R., 1985. 'Quipollornis konberi The Bird of the Dusk'. In Kadimakara Extinct Vertebrates of Australia (edited by P.V. Rich and G.F. van Tets) pp. 209-213. Pioneer Design Studio, Lilydale.

Meredith, C.W., Specht, J.R. and Rich, P.V., 1985. A minimum date for Polynesian visitation to Norfolk Island, South-west Pacific, from faunal evidence. Search, 16: 9-12.

Molnar, R.M., Flannery, T. and Rich, T.H.V., 1985. Aussie Allosaurus after all. *Jour. Paleo.* 59 (6): 1511-1513.

Morgan, G.J., 1986. A survey of the macrobenthos in the waters of Corner Inlet and the Nooramunga, with an assessment of the extent of Posidonia seagrass. Fish. Wildl. Pap., Vict., 31: 1-49.

Neboiss, A. Taxonomic changes in caddis-fly species from the south-west Pacific-Australian region with descriptions of new species (Insecta: Trichoptera) Mem. Mus. Vict., 47: 213-223.

Neboiss, A. Atlas of Trichoptera of the south-west Pacific Australian region. Series Entomologica, 37, pp. 286 (W. Junk: Dortrecht).

Neboiss, A. Identity of two caddis-fly species described by Frauer and Navas (Trichoptera). Aquatic Insects, 8: 99-104.

Neboiss, A. A glimpse of North Sulawesi Trichoptera. Trich. Newsl. Lunz Austria, 14: 5-8.

Poore, G.C.B., 1985. Australian chaetiliids (Crustacea: Isopoda: Valvifera): a new genus, new species and remarks on the family. Mem. Mus. Vict., 46: 153-172.

Poore, G.C.B., 1986. Marine benthic invertebrate collections from Victorian bays and estuaries. Mar. Sci. Lab. Tech. Rep., 58: 1-23.

Poore, G.C.B. and Lew Ton, H.M., 1985. Apanthura, Apanthuretta and Apanthoropsis gen. nov. (Crustacea: Isopoda: Anthuridae) from south-eastern Australia. Mem. Mus. Vict., 46: 103-151.

Poore, G.C.B. and Lew Ton, H.M., 1985. New species of Cyathura (Crustacea: Isopoda: Anthuridae) from estuaries of eastern Australia. Mem. Mus. Vict., 46: 89-101.

Poore, G.C.B. and Lew Ton, H.M., 1986. Quantanthura (Crustacea: Isopoda: Anthuridae) from south-eastern Australia and New Zealand. Mem. Mus. Vict., 47: 75-85.

Poore, G.C.B. and Lew Ton, H.M., 1986. New species of Aenigmathura and Pseudanthura (Crustacea: Isopoda: Paranthuridae) from eastern Australia. Mem. Mus. Vict., 47: 59-73.

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Poore, G.C.B., Wilson, R., Goman, M. and Lu, C.C., 1985. Museum of Victoria Bass Strait Survey. Museum of Victoria Council, Melbourne, 32 pp.

Rich, P.V. and Haarhoff, P.J., 1985. 'Early Pliocene Coliidae (Aves, Coliiformes) from Langebaanweg, South Africa'. Ostrich, 56 (1, 2 & 3) pp. 20-41.

Rich, P.V., McEvey, A.R. and Baird, R.F., 1985. 'Osteological comparison of the scrub-birds, Atrichornis, and lyrebirds, Menura (Passeriformes: Artichornithidae and Menuridae)'. Records of the Australian Museum, 37 (3): pp. 165-191.

Rich, P.V. and Haarhoff, P.J., 1985. The late Tertiary avifauna of Langebaanweg, South Africa: the Coliidae (Aves: Coliiformes). Ostrich, 56: 20-41.

Rich, P.V. and Tets, G.F. van (Eds), 1985. *Kadimakara. The history of Australia's backboned Animals.* Pioneer Design Studio, Lilydale, 218 pp.

Rich, T.H.V., 1986. Darcius duggani, a new ektopodontid (Marsupialia; Phalangeroidea) from the early Pliocene Hamilton local fauna, Australia. Pp. 68-74 in Woodburne, M.O. and Clemens, W.A. (eds). Revision of the Ektopodontidae (Mammalia; Marsupialia; Phalangeroidea) of the Australian Neogene. Univ. Calif. Publ. *Geol. Sci.*, vol. 131.

Rowley, M., Rich, P. and Mackay, I., 1985. Palaeoimmunology: survival of collagen in the mummified skin of a moa. Abs. Aust. Soc. Immunol. Ann. Meeting, Queenstown, N.Z.

Rowley, M., Rich, P., Rich, T. and Mackay, I., 1985. Detection of collagen in Australian fossils by radioimmunoassay and immunoblotting. Abs. Aust. Soc. Immunol. Ann. Meeting, Queenstown, N.Z.

Vecchione, M., Roper, C., Lu, C.C. and Sweeney, M., 1986. Distribution and relative abundance of planktonic cephalopods in the western North Atalantic. (Abstract.) Amer. Mulacol. Bull., 4 (1): 101.

Walker, K.L. Revision of the Australian species of the genus Homolictus Cockerall (Hymenoptera: Halictidae) Mem. Mus. Vict., 47: 105-200.

Wilson, R., 1985. Nereis & Platyneries (Polychaete: Nereididae) from Victoria with description of a new species of Nereis. Pro. R. Soc. Vic., 97: 129-138.

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APPENDIX 5

AUDITOR-GENERAL'S REPORT

The accompanying financial statements comprising a balance sheet, statement of income and expenditure and statement of sources and applications of funds of the Council of the Museum of Victoria for the year ended 30 June 1986, prepared in a format approved by the Treasurer, have been audited as required by the Museums Act 1983 and in accordance with Australian Auditing Standards.

Note 7 to the financial statements discloses that income for the year from Museum shop operations totalled $744 887. The Museum could not produce documentation to support this income. Accordingly, it was not possible to determine whether all income from the Museum shop operations was brought to account.

In addition, records relating to the inventory of the Museum's shops at 30 June 1986, disclosed in the financial statements as $96 799, did not provide sufficient detail to enable audit verification.

The Council has neither quantified nor valued the land, buildings and other real and personal fixed assets vested in the Council. Since the Council accepts substantially all the risks and benefits incidental to ownership of these assets, it is my opinion that all assets vested in the Council should be valued and recorded as assets in the financial statements.

As there was an absence of a proper management trail to support the classification of entries in the general ledger, it was not possible to determine whether all items in the financial statements had been properly classified.

Due to the matters referred to in the previous paragraphs, I am not in a position to and do not express an opinion on the financial statements of the Council of the Museum of Victoria for the year ended 30 June 1986.

R. G. HUMPHRY
Auditor-General
MELBOURNE
29/2/1988

COUNCIL OF THE MUSEUM OF VICTORIA

Subject to the reservation that a breakdown in internal controls over Commercial Operations receipts and a failure to retain for audit inspection computer input documents has led to an inability of Council to verify the appropriateness of classification of all income received, in our opinion the accompanying financial statements comprising a balance sheet, statement of income and expenditure and statement of sources and applications of funds are in accordance with the requirements of Section 30 of the Museums Act 1983 and present fairly the financial transactions during the 1985/86 financial year and the financial position as at 30 June 1986 of the Museum of Victoria.

At the date of this certificate, the Council is not aware of any circumstances which would render any particulars included in the statements to be misleading or inaccurate.

James Warren	Ian Sinclair
CHAIRMAN	TREASURER
26.2.1988	26.2.1988

COUNCIL OF THE MUSEUM OF VICTORIA

BALANCE SHEETS AS AT 30 JUNE, 1986

	Notes	1985/86 $	$	1984/85 $
CURRENT ASSETS				
Cash at Bank			41,565	38,591
Cash on Hand			2,862	2,930
Debtors			35,799	26,726
Stock of saleable Books and Publications	1(d)			
— Museum Shop		96,799		46,442
— Other		21,211	118,010	21,295
			198,236	135,984
INVESTMENTS	2		1,142,954	1,159,053
NON-CURRENT ASSETS	1			
Motor Vehicle	9	25,239		2,190
Shop Assets	9	149,927		132,835
Furniture and Equipment	9	100,181		38,125
Collections		141,441	416,788	108,688
TOTAL ASSETS			1,757,978	1,576,875
CURRENT LIABILITIES				
Creditors		104,133		82,536
TOTAL LIABILITIES			104,133	82,536
Accumulated Funds	10		1,653,845	1,494,339
TOTAL EQUITY AND LIABILITIES			1,757,978	1,576,875

This Statement should be read in conjunction with the accompanying notes.

STATEMENT OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 30 JUNE, 1986

	NOTES	1985/86 $	$	1984/85 $
INCOME				
Fees and Charges		471,089		176,934
Sales of Publications, Replicas, etc.		59,515		169,939
Donations	4	247,209		123,885
Interest and Dividends	5	169,869		141,814
State Grants		705,354		72,918
Commonwealth Grants		202,869		164,475
Other Grants		361,763		138,903
Operating Profit from Shop	7	35,082		—
Miscellaneous		13,594		29
TOTAL INCOME	1(e)		2,266,344	988,897
EXPENDITURE	3			
Salaries and Wages		585,704		366,652
Workcare		4,681		—
Travelling		57,667		37,460
Office Requisites Printing and Stationery		38,196		15,401
Books and Publications		10,541		5,221
Post and Telephone		9,037		6,868
Motor Vehicle Running		3,162		5,062

Fuel, Light and Power		882		3,095
Display & Exhibition		633,658		67,434
Advertising & Publicity		135,958		22,653
Consultants		220,715		231,629
Hospitality & Refreshments		99,059		22,306
Freight		45,758		13,196
Photographic Supplies & Services		24,457		8,249
Materials		4,267		25,873
Maintenance of Equipment		5,927		15,164
Grants		32,861		6,031
Profits sharing payments		149,732		—
EDP Expenses		8,952		19,831
Protective Clothing		657		2,676
Rent		2,947		17,813
Insurance		1,816		1,925
Audit Fees	6	10,000		25,000
Cost of Publications and Replicas Sold		12,388		32,092
Operating Loss of Shop	7	—		16,534
Depreciation	8	22,745		—
Miscellaneous	8	19,343		25,314
TOTAL EXPENDITURE			2,141,110	993,479
Ordinary Surplus (Deficit) for year			125,234	(4,582)
EXTRAORDINARY ITEM				
Capital Gains on Sale of Shares			34,272	
Balance 1 July 1985			1,494,339	1,498,921
Accumulated Surplus 30 June 1986	10		1,653,845	1,494,339

This Statement should be read in conjunction with the accompanying notes.

STATEMENT OF SOURCES AND APPLICATIONS OF FUNDS FOR THE YEAR ENDED 30 JUNE, 1986

	1985/86		1984/85
	$	$	$
SOURCES OF FUNDS			
Funds from Operations			
Inflow of funds from Operations	2,266,344		988,897
Less Outflows of funds from Operations	2,141,110		993,479
		125,234	(4,582)
Add charges not requiring funds			
Provision for Depreciation	42,455		28,108
Less Provision on sold vehicles	14,840		—
		27,615	
		152,849	23,526
Extraordinary Income		34,272	
Reduction in Assets			
Current Assets			
Cash on Hand	68		1,029
Stocks		68	8,418
Investments		16,099	169,669
Increase in Liabilities			
Current Liabilities			
Creditors		21,597	25,222
		224,885	227,864

APPLICATION OF FUNDS

Increase in Assets			
Current Assets			
Cash at Bank	2,974		38,591
Debtors	9,073		23,469
Stocks	50,273	62,320	—
Non Current Assets			
Motor Vehicles	15,496		—
Shop	31,624		8,639
Furniture and Equipment	82,692		47,574
Collections	32,753	162,565	108,688
Reduction in Liabilities			
Current Liabilities			
Bank Overdraft	—		875
Prepaid Revenue	—	—	28
		224,885	227,864

NOTES TO AND FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 30 JUNE, 1986

1. ACCOUNTING POLICIES

(a) These accounts have been prepared under the historical cost convention and have not been adjusted to take account of the current cost of specific assets or their impact on the operating results. The accounts for income and expenditure are on an accrual and going concern basis.

(b) Until 30 June, 1984 funds used for the purchases of equipment and improvement of displays were recorded as expenditure in the year's accounts. The only assets shown in the Balance Sheet were those which were in the form of, or which would or could be converted into, cash or its equivalent, viz investments, debtors, stocks on hand, and those used in the Museum Shop operations. As from 1 July, 1984, assets purchased by the Council have been capitalised in the Balance Sheet.

(c) Depreciation is charged on non-current assets (except Collections) at rates assessed to match the cost of these assets against their estimated economical lives. Depreciation is calculated on the straight line method.

(d) Stocks have been valued at the lower of cost or net realisable value.

(e) Grants from Government and other sources are brought to account as income as received. Expenditure from such Grants are included as expenses when incurred. (See Note 10(b))

2. INVESTMENTS

Investments are held for the purpose of gaining income and are not normally sold before maturity.

They are held in the accounts at cost.

Investments on hand as at 30 June 1986 were:

	1985/86	1984/85
	$	$
Commonwealth Government Securities	206,700	206,700
Semi Government Securities	240,800	254,800
Negotiable Certificates of Deposit, interest bearing deposits and other Money Market Securities	678,454	659,800
Other Securities	17,000	37,753
	1,142,954	1,159,053

3. SERVICES PROVIDED BY THE MINISTRY FOR THE ARTS

In addition to the expenditure incurred by the Council of the Museum of Victoria an amount of $7,366,958 (1984/85 $5,464,496) was expended from Funds appropriated to the Ministry for the Arts. Major components of this expenditure included:

	1985/86	1984/85
	$	$
Salaries and related costs	4,648,948	3,812,998
Operating expenses	888,418	777,298
Works and Services	1,829, 592	874,200
	7,366,958	5,464,496

4. DONATIONS

	1985/86	1984/85
	$	$
Amounts of $5,000 and Over		
Perpetual Trustees Association	5,000	
Kasebta Pty. Ltd.	200,000	
The Jack Brockhoff Foundation	11,500	
	216,500	105,300
Various smaller donations and collections from Donation Boxes	30,709*	18,585
	247,209	123,885

*Amounts exceeding $2,000

5. INTEREST AND DIVIDENDS

	1985/86	1984/85
	$	$
Commonwealth Government Securities	26,483	26,483
Semi Government Securities	24,332	25,736
Negotiable Certificates of Deposit, Interest Bearing Deposits and other Money Market Securities	113,765	84,462
Other Securities	5,289	5,133
	169,869	141,814

6. AUDIT FEES

1984/85 Audit Fees included charges for years 1983/84 and 1984/85.

7. MUSEUM SHOP OPERATIONS

	1985/86		1984/85
	$	$	$
Income			
Sales	732,073		512,161
Other	12,814	744,887	—
Less Cost of Sales			
Opening Stock	46,442		58,062
Purchases	451,837		290,977
	498,279		349,039
Less Closing Stock	96,799		46,442
		401,480	302,597
Gross Profit		343,407	209,564

Expenditure			
Salaries and Wages	254,950		173,675
Workcare	2,220		—
Travelling	857		2,082
Office Requisites Printing and Stationery	989		3,774
Packing	3,094		7,437
Postage	963		550
Motor Vehicle Running	107		1,355
Advertising and Publicity	1,017		522
Consultants Fees & Expenses	11,046		8,832
Finance Charges	1,243		1,522
Depreciation	19,710		16,683
Maintenance of Equipment	6,811		6,484
Hire of Equipment	863		1,235
Cleaning	1,543		871
Cash Collection	567		—
Miscellaneous	2,345		1,076
TOTAL EXPENDITURE		308,325	226,098
NET PROFIT (LOSS) ON OPERATIONS		35,082	(16,534)

8. DEPRECIATION

Depreciation of $11,426 was included under Miscellaneous in 1984/85.

9. NON CURRENT ASSETS

	1985/86		1984/85
	$	$	$
Motor Vehicles			
Motor Vehicle	25,377		9,881
LESS accumulated depreciation	138	25,239	7,691
		25,239	2,190
Shop Assets			
Improvements	68,079		66,894
LESS accumulated depreciation	12,289	55,790	8,891
Plant and Equipment	44,949		30,549
LESS accumulated depreciation	17,815	27,134	10,646
Motor Vehicle	8,391		6,664
LESS accumulated depreciation	193	8,198	3,999
Furniture and Fittings	78,613		64,301
LESS accumulated depreciation	19,808	58,805	12,037
		149,927	132,835
Furniture and Equipment			
Equipment	88,733		42,148
LESS accumulated depreciation	22,163	66,570	8,364
EDP Equipment	38,142		4,391
LESS accumulated depreciation	7,457	30,685	878
Furniture and Fittings	3,391		1,035
LESS accumulated depreciation	465	2,926	207
		100,181	38,125

10. (a) Accumulated Funds include $538,247 (1985 $388,196) of Trust Funds which may be used by the Council of the Museum for Museum purposes as defined by the relevant Trust Deed or Will.

(b) Accumulated funds also include $475,604 (1985 $394,707) of unexpended Government and other Grants.(See Note 1 (a).)

Jean Gordon Government Printer Melbourne