

**Western Australian Museum
Annual Report 2000 - 2001**

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Letter to the Minister

The Hon. Sheila McHale MLA
Minister responsible for the *Museum Act 1969*

Minister

In accordance with the provisions of section 66 of the *Financial Administration and Audit Act 1985*, we have pleasure in submitting for your information and presentation to Parliament the Annual Report of the Western Australian Museum for the financial year ending 30 June 2001.

The past year has been one of noteworthy achievements. The innovative new exhibition *Western Australia: Land and People* was completed and opened, and has been extremely popular with visitors to our main Perth site. The Museum acknowledges the contribution of many people and organisations to its success, and in particular the support of the Lotteries Commission.

The new Western Australian Museum–Geraldton was opened in July 2000 and exhibition installation will be complete in the next year. The *Batavia* portico has been installed in the Museum's Shipwrecks Gallery and makes a strong statement about the early maritime history of this State. Already, the new Museum has become a focal point for the Geraldton community.

Construction of the new Maritime Museum in Fremantle progresses well. Teams of Museum curators continue to work with exhibition designers in planning for the exciting visitor experience that will be unveiled towards the end of 2002.

The Trustees of the Western Australian Museum acknowledge the sustained support of the State Government in achieving quality Museum outcomes for the people of Western Australia. We thank you, in your new role of Minister for Culture and the Arts, for your commitment to working with the Museum in maximising our contributions to the State. The Museum faces significant challenges concerning infrastructure over the next few years, but we are confident that in working with you and your government we can make great advances towards overcoming them. The Trustees also acknowledge with thanks the support of the Hon. Mike Board JP MLA, as Minister for the Arts under the previous government. I would add, too, our appreciation of the assistance provided by the central offices of the Ministry for Culture & the Arts, and the efforts of the Director General, Mr Alastair Bryant.

The Trustees also acknowledge the leadership and guidance of the Executive Director, Dr Gary Morgan, and the work of Western Australian Museum staff in maintaining the place of the Museum as a research centre of international repute and in continuing a vibrant program of exhibitions and educational programs. We also thank the Western Australian Museum Foundation, the Friends of the Western Australian Museum, and the site and disciplinary advisory boards for all that they have done, and continue to do, in assisting the Museum achieve its goals.



DR KEN MICHAEL AM
Chair, Board of Trustees
Western Australian Museum

A Message from the Minister

I am pleased to table in Parliament the 2000–2001 Annual Report of the Western Australian Museum.

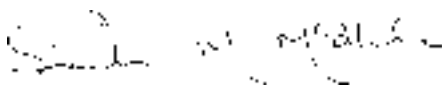
With the election of the new Labor Government this year, it has been a great pleasure for me to assume responsibility for the Culture and the Arts portfolio, and all of its agencies. There can be no doubting the vital importance of these agencies in supporting and contributing to the knowledge base and well-being of our society.

I have been impressed with the breadth of functions of the Western Australian Museum and the dedication of its staff. The Museum is one of the State's oldest research institutions and continues a fine tradition of scholarship relating to the environment, biodiversity, culture and history. This scholarship underpins its public programs that are delivered across this enormous State.

The opening of *Western Australia: Land and People* was just one of the achievements of the Museum this past year. The Maritime Museum development in Fremantle progresses well and the new Museum in Geraldton is already a landmark for that city.

As Minister, I appreciate how wide is the definition of 'Culture and the Arts'. The Museum is as much an institution of science as it is of the arts, and it is this cross-disciplinary nature that uniquely places the Museum to explore societal issues in a multidisciplinary way.

I look forward to working with the Trustees and staff of the Museum in getting Western Australian Museum products widely distributed across the State and available to, and used by, all Western Australians.



SHEILA McHALE MLA
Minister for Culture and the Arts

PART 1

Introduction

Introducing the Western Australian Museum

BACKGROUND

The Western Australian Museum was established in 1891 (as the 'Perth Museum') and its initial collections were of geological, ethnological and biological specimens. Indeed, it can claim to be one of the oldest scientific institutions in the State. In 1959, its botanical collection was transferred to the new Herbarium and it continued to concentrate on earth sciences and zoology. The 1960s and 1970s saw the addition of responsibility for developing and maintaining the State's anthropological, archaeological, maritime archaeological and social and cultural history collections.

The collections, currently numbering more than two million specimens/artefacts, are the primary focus of research by the Museum's own staff and others. The Museum's aim is to advocate knowledge about the collections and communicate it to the public through a variety of media, but particularly through a program of exhibitions and publications.

During the year, a total of 768,947 visitors, of whom 53,487 were school students, visited the various Museum sites.

The Museum's recurrent Consolidated Grant for this year was \$10,904,000, plus \$1,610,000 for Capital Works. A further \$2,150,182 was attracted from external funding sources, of which \$496,818 comprised research grants. The Museum has a total staff of 175.94 full-time equivalents.

ESTABLISHMENT

The Western Australian Museum is a statutory authority within the Arts Portfolio, established under the *Museum Act 1969*. It is a Body Corporate with Perpetual Succession and Common Seal, governed by a Board of seven Trustees, including the Chair and Vice-Chair. The Governor of Western Australia appoints the seven Trustees. The Director General of the Ministry for Culture & the Arts, or their nominee, is a Trustee ex officio. Appointments are made for four years and incumbents are eligible for reappointment.

Under section 36 of the *Museum Act*, the Trustees have established the following branches of the Western Australian Museum, each with a Board to which certain powers and authority have been delegated, under section 19 of the Act:

- Western Australian Museum—Science and Culture (Perth site; Fremantle History Museum)
- Western Australian Maritime Museum (based at Cliff Street, Fremantle)
- Western Australian Museum—Albany
- Western Australian Museum—Kalgoorlie-Boulder
- Western Australian Museum—Geraldton

The Museum also operates Samson House in Fremantle.

ACCOUNTABLE AUTHORITY

The Trustees are the Accountable Authority for the purposes of the *Financial Administration and Audit Act 1985*.

Introducing the Western Australian Museum

OTHER RELEVANT LEGISLATION

State Acts (as amended)

- *Maritime Archaeology Act 1973*

Commonwealth Acts (as amended)

- *Historic Shipwrecks Act 1976*
- *Protection of Moveable Cultural Heritage Act 1986*

PUBLIC ACCESS

Western Australian Museum

Head Office and Administration
Perth Cultural Centre, Perth, WA 6000
Telephone: (08) 9427 2700
Facsimile: (08) 9427 2882
Open daily 9.30 a.m. – 5.00 p.m.
Boxing Day and Anzac Day 1.00 p.m. – 5.00 p.m.

Western Australian Maritime Museum

Cliff Street, Fremantle, WA 6160
Telephone: (08) 9431 8444
Facsimile: (08) 9431 8492
Open daily 9.30 a.m. – 5.00 p.m.
Admission by donation

Slipway

Victoria Quay, Fremantle, WA 6160
Telephone: (08) 9430 6756

B-Shed

Victoria Quay, Fremantle, WA 6160
Telephone: (08) 9430 4680; (08) 9336 4151
Facsimile: (08) 9430 4680

Fremantle History Museum

Finnerty Street, Fremantle, WA 6160
Telephone: (08) 9430 7966
Facsimile: (08) 9430 7966
Open Monday–Friday 10.30 a.m. – 4.30 p.m.;
Saturday, Sunday and public holidays 1.00–5.00 p.m.
Entry by donation

Samson House

Cnr Ellen and Ord Streets, Fremantle, WA 6160
Telephone: (08) 9335 2553
Open Thursday and Sunday 1.00–5.00 p.m.
Entry donation \$3.00
Tours \$5.00 per person

Western Australian Museum– Albany

Residency Road, Albany, WA 6330
Telephone: (08) 9841 4844
Facsimile: (08) 9841 4027
Open daily 10.00 a.m. – 5.00 p.m.

Western Australian Museum– Geraldton

Museum Place, Batavia Coast Marina,
Geraldton, WA 6530
Telephone: (08) 9921 5080
Facsimile: (08) 9921 5158
Open daily 10.00 a.m. – 4.00 p.m.

Western Australian Museum– Kalgoorlie-Boulder

Hannan Street, Kalgoorlie, WA 6430
Telephone: (08) 9021 8533
Facsimile: (08) 9091 2791
Open daily 10.00 a.m. – 5.00 p.m.

Note: All sites closed Christmas Day and Good Friday

The Museum's Vision, Mission, Functions, Strategic Aims

As part of the Ministry for Culture & the Arts, the Western Australian Museum operates within the Ministry's Outcome Statement: 'A community that is informed of, and has access to, a diverse range of innovative ideas, knowledge and cultural experiences'.

The Output Description for the Western Australian Museum is: 'Delivery and promotion of museum services through collection development and management, research, education and visitor services'.

VISION

To have all Western Australians and visitors to Western Australia visit the Museum or use the Museum services every year.

MISSION

To develop with the people of Western Australia a vital, innovative Museum and enhance appreciation and understanding of our natural environment and cultural heritage.

FUNCTIONS

The major responsibilities of the Museum are to:

- preserve significant and representative examples of Western Australia's heritage for the enrichment of present and future generations;
- investigate the natural and cultural world;
- share ideas and information on natural and cultural heritage, through a variety of public programs.

STRATEGIC AIMS

The strategic aims of the Western Australian Museum are to:

- implement innovative public programs across all sites;
- enhance community consultation;
- increase access to collections and information;
- improve the preservation of collections;
- maintain excellence in research programs;
- contribute to the government's tourism strategy;
- increase the proportion of self-generated revenue;
- maintain merit, equity and probity in human resources management.

Executive Director's Review

Having arrived at the end of my first full year as Executive Director, I can look back on 12 months that might indeed be described as 'full'. The Museum has made advances in vision and strategy, products and processes.

Staff and Trustees have worked together to develop a new Corporate Strategic Plan that will guide our decisions and resource allocation over the next five years. This strategic planning exercise did not see senior executive managers going into a secluded retreat and emerging with a new plan to be handed down, like Moses delivering the Commandments, to a bemused but thankful staff. Rather, it involved a very large number of staff, who can have true ownership of the vision.

Fundamental to the strategic directions for the Western Australian Museum will be:

- placing the Museum as a gateway to the natural and cultural heritage of Western Australia;
- reinforcing the Museum as a forum for debate and discussion, whereby members of the public may interact with issues of significance to the community;
- configuring the Museum to be able to respond to and profile topical issues as they are happening and evolving, with a focus on the scientific, technical and societal development of the State;
- exploring how the intellectual strengths of the Museum can be more supportive of nature-based and cultural tourism in Western Australia;
- taking our products and services even more into regional Western Australia to reinforce that we are indeed a Museum for all the people of this State;
- claiming the Indian Ocean region, including South-East Asia, as our cultural and intellectual catchment;
- in pursuing all of the above, working in partnership with other government agencies, the private sector and community groups.

We have developed a new concept we have called *BiosphereWest*, which embodies these and other directions. Underpinning this concept is the understanding that we humans inhabit three environments concurrently:

- the natural environment
- the social environment
- the built environment.

Our programs will be gateways, or portals, that allow the visitor to enter the experience of this State and its place in the world. In particular, we will explore the place of Western Australia in its region—South-East Asia and the Indian Ocean basin. Perth–Fremantle and Western Australia are well placed to claim this region as their cultural and intellectual catchment, and we will work with our partners in strengthening that regional commitment.

I would extend thanks to all those who have assisted and supported the Museum in various ways during the year. I would particularly acknowledge the Minister for Culture and the Arts, the Hon. Sheila McHale, for her interest in and concern for the Museum; the Board of Trustees for their ongoing guidance and wisdom; the Director General and staff of the central Ministry for Culture & the Arts; the Museum's Foundation and Friends; and, by no means least, the staff of the Museum who have worked so hard to make things happen (sometimes in the face of significant odds).

And finally, while it might seem a small thing, the Museum launched this year a new family of logos that link the various sites of the Western Australian Museum and yet recognise their unique attributes. I like the colourful nature of the new logos, as they emphasise the liveliness of museums rather than conveying a stuffy image. In each logo, we emphasise the 'use' of museums, because that is why we are here: to be used, and by as many people as possible.



DR GARY MORGAN

Executive Director's Review

OVERVIEW OF CORE FUNCTIONS

The Western Australian Museum's core functions can be categorised as:

- collections management
- knowledge generation
- knowledge communication.

It is important to appreciate, however, that these functions are a continuum—from collecting and collections management, through research and investigation, to communicating information through media such as exhibitions, publications, lectures and the Internet. The fundamental purpose of the Museum is discovery leading to learning.

The Museum has advanced on or concluded several major projects during the year. The new Maritime Museum building rises strikingly on the Fremantle Port foreshore, and its iconic architectural lines are now evident. Exhibition planning for the new Museum goes well, and is on track for the opening in late 2002.

The new Museum at Geraldton was handed over to the Western Australian Museum in July and was opened to the public in December. The new building is in a spectacular setting in the new marina, and major exhibitions will be installed and opened progressively throughout 2001–2002.

Collections Management

The Museum recognises its vital role as a custodian of the State's collections of scientific and cultural heritage. The management and proper use of these collections are fundamental to our operations, as they comprise the objects that excite, inspire and educate our visitors.

The Museum also recognises that it must play a leading role in acquiring objects for these collections

that reflect the nature of the society in which we live and enhance our understanding of it.

The highlight of collections management was the return of *Australia II*, the historic America's Cup winning yacht, and, after careful negotiations, approval by the Museum for *Australia II* to participate in the America's Cup Jubilee Regatta in Cowes, England. Seeing *Australia II* sailing again off Fremantle brought back vivid memories to many people of the 1983 win at Newport and the exciting 1987 defence at Fremantle.

Another major event was the unveiling of the newly restored cannon from the English East India Company ship *Trial* by the Minister for the Arts. Mr Peter Hickson, a Trustee of the Western Australian Museum and a Board Member of the Western Australian Maritime Museum, kindly sponsored the building of the *Trial* guncarriage to hold the cannon.

On the testing side, the Museum's ageing facilities continue to prove a great challenge for us. Our collections are poorly housed and now far exceed the storage areas we have for them. A major clean-up of the main Perth site resulted in the following significant improvements in collection storage:

- relocation of the entire fish collection (43,000 jars of alcohol-preserved specimens) to a new flammable liquids store in the 'Tunnel' in the Francis Street Building;
- movement of more than 700 20-litre drums containing large specimens to an off-site commercial dangerous goods store. This, however, is expensive and provides unsatisfactory access to specimens;
- the installation of an additional 430 square metres of compact shelving in the Lower Basement specimen storage area, in order to accommodate specimens not previously able to fit into the flammable liquids store.

Executive Director's Review

Knowledge Generation

The Museum recognises that research is a mainstay of its operations and that the knowledge generated through research by staff and external researchers working on the Museum's collections must be of relevance to our society.

The past year has seen more than 140 scientific and popular publications resulting from research by Museum staff and associates. Among them was a truly significant work, *Broken Circles: Fragmenting Indigenous Families*, by Dr Anna Haebich, which went on to win the Premier's Book Award in New South Wales. One of our staff, Dr John Long, was awarded the highly prestigious Eureka Prize for Promotion of Science. This was a great recognition of John's work, but also reflects the very high priority the Museum places on all forms of science communication.

A high-profile event was the discovery of the wrecks of the ships of the explorers de Freycinet and Dampier, at the Falkland and Ascension islands, respectively, by an expedition led by Dr Mike McCarthy from the Western Australian Maritime Museum. Who can forget the image flashed around the world of the excited expeditioners holding aloft the ship's bell from Dampier's *Roebuck*? The expedition was made possible with more than \$60,000 of external funds and \$10,000 more in sponsorships.

The ongoing partnership between the Museum and Woodside Energy saw an International Marine Biological Workshop held at Dampier. Forty participants from around the world, foremost experts in their field, studied the natural habitats and biota of the rich Dampier Archipelago. Woodside Energy has sponsored the Western Australian Museum to the extent of \$640,000 over a four-year period. Projects include a major biodiversity study in the Dampier Archipelago and the production of a video documentary.

Other highlights included the following:

- A significant paper by Charles Dortch and collaborators documented research on Devils Lair cave. Through the use of a variety of advanced dating techniques, the age of the deposit has been established at 50,000 years before present (BP), with the first traces of human occupation appearing at about 48,000 BP.
- The publication of 'Biodiversity of the Southern Carnarvon Basin' brought to a close a project commenced in 1994 in conjunction with the Department of Conservation and Land Management (CALM) and funded by the Australian Nature Conservation Agency. This Supplement to the *Records of the Western Australian Museum* contains 19 papers and sets a new benchmark for collaborative studies documenting the biodiversity of Western Australia.
- John Long undertook a field expedition (partly funded through a grant from the Museum Foundation) to search for dinosaurs in the Great Sandy Desert. This resulted in the discovery of an oviraptorosaurid dinosaur bone of Late Cretaceous age from the Giralalia Range, as well as an isolated bone of a mosasaur and a variety of fossilised shark teeth.
- Ric How, Norah Cooper, Ron Johnstone and Laurie Smith participated in a survey of the mammals and herpetofauna of the Yampi Peninsula in the Kimberley, run by Environment Australia. This survey, undertaken in March with helicopter support, enabled sampling there for the first time in the wet season.
- Materials Conservation developed a program of analysis for residual chloride salts.
- The first detailed study of the chemical and physical microenvironment of the *James Matthews* wreck in Cockburn Sound was undertaken.

Executive Director's Review

- With significant input from volunteers, the Museum library indexed more than 900 journal articles, thus greatly assisting with knowledge generation from the collections.

Knowledge Communication

The Museum recognises that, in order for the knowledge it generates to have impact, it must be communicated in a relevant, engaging and interactive way, and that the Museum must respond effectively to the needs and wants of its customers. The knowledge we communicate will more and more reflect that gained through partnerships with government agencies, industry and the community.

A new major exhibition, *Western Australia: Land and People*, opened this year in the restored Hackett Hall at the Perth site. This is a broadly sweeping exploration of people and their place in Western Australia, incorporating history, anthropology and natural science. The exhibition would not have happened without the huge support of the Lotteries Commission.

The year saw a good program of temporary exhibitions, including the moving *Anne Frank: A History for Today*. Another highlight was the completion and opening of the *Baudin: The French Connection* exhibition, which commemorates the historic and scientific aspects of Baudin's exploration of Australia. This exhibition will travel to many centres around the State as well as interstate. This is the first time the Museum has developed an exhibition for a State-wide tour.

Design and development continued for the exhibition galleries at the new Maritime Museum, which will house the complete maritime history collection. Major themes are 'Indian Ocean', 'Fishing', 'Leisure', 'Fremantle–Swan River', 'Maritime Trade' and 'Naval Defence'. The designers, Cunningham Martyn

Design, based in Melbourne, are preparing detailed drawings and documentation.

Our regional branches continue to take Museum products outside the Perth–Fremantle basin. The new Western Australian Museum–Geraldton is already proving to be a significant focus point for Geraldton. The *Batavia* portico was installed this year in the soon to be completed Shipwrecks Gallery and stands as a dramatic statement of the maritime history of this part of the State.

Our Kalgoorlie-Boulder branch won the 2000 Goldfields Business Awards inaugural Goldfields Tourism Award. Work began this year on its new ethno-botanical garden, which shows the relationship between Aboriginal life and the botanic environment.

The Anzac 2001 commemorations at Albany revolved around the Museum's Albany branch, with the Light Horse Memorial Troop a highlight. All of the regional branches provide important conduits between the Museum and regional Western Australia.

The Museum Assistance Program visited 104 small museums and communities and conducted 13 workshops this year. Without this program, many small museums would have little or no direct contact with professional museum expertise.

Other significant achievements in knowledge communication throughout the year were as follows:

- A marketing strategy was developed to provide a framework for marketing and communications during the development of the new Maritime Museum. The plan covers communication with key stakeholders and promotion to attract sponsors, foster partnerships and engage public interest. Presentation materials, including a multimedia 'fly-through' of the new facility and a colour pamphlet, were developed, and the new

Executive Director's Review

Museum was promoted through the web site, magazine and newsletter articles, advertising (including a special promotion on Channel 7 during the Olympics in association with the Western Australian Tourism Commission), and media relations.

- The submarine *Ovens* continued to attract people from all over the world (more than 41,000 visitors). After a closure from February to May for painting, the *Ovens* was officially reopened by the Patron, the Hon. Kim Beazley (Leader of the Federal Opposition), in May at a ceremony with 300 invited guests. In the same week, International Museum Day was celebrated at the submarine with a 'Forties Swing Dance', attended by members of Museums Australia.
- The 50 specially trained Submarine Guides received the prestigious Fremantle Heritage Award 2001 for their 'significant contribution to Fremantle's social, cultural, built or natural heritage'.
- The Museum partnered the Perth International Arts Festival (PIAF) in developing the Grapevine Club at the Perth site.
- Alcoa FrogWAtch remains a wonderfully successful community program that connects the expertise of the Museum with people around the State. This year's Frog Friendly Day was an exuberant occasion, marked by a love of all things green that croak.
- Dr Pichai Sonchaeng and Mr Adisorn Monvises of Burapha University, Thailand, visited the Museum to develop ideas for the university's new seven-storey museum devoted to marine science, and to foster future cooperation between Burapha University and the Aquatic Zoology Department.
- The Dampier Marine Gallery and the Dampier web site were both completed in July, thanks to ongoing support from Woodside Energy.
- A 48-minute documentary video was completed in June. The production has twin themes: the biodiversity of the Dampier Archipelago and the role of the Museum in assessing its biodiversity. This was again through Woodside support.
- The Western Australian Museum–Albany had a phenomenal response from throughout the region to its call for items and writings to go in a time capsule.
- The Western Australian Museum–Kalgoorlie–Boulder successfully concluded negotiations to display the State Gold Collection, along with the first gold bar poured in Kalgoorlie.
- The Materials Conservation Department undertook a one-month program setting up a shipwreck conservation laboratory in Trinidad-Tobago and developed a conservation photographic archive on the *City of Launceston* in Port Phillip Bay.
- Materials Conservation also treated an original letter by Albert Einstein written in German to La Guardia, the Mayor of New York. This became a key local piece for a travelling exhibition on Einstein.
- The Museum provided assistance to 58,988 school students throughout the year.

Visitors to Western Australian Museum Sites

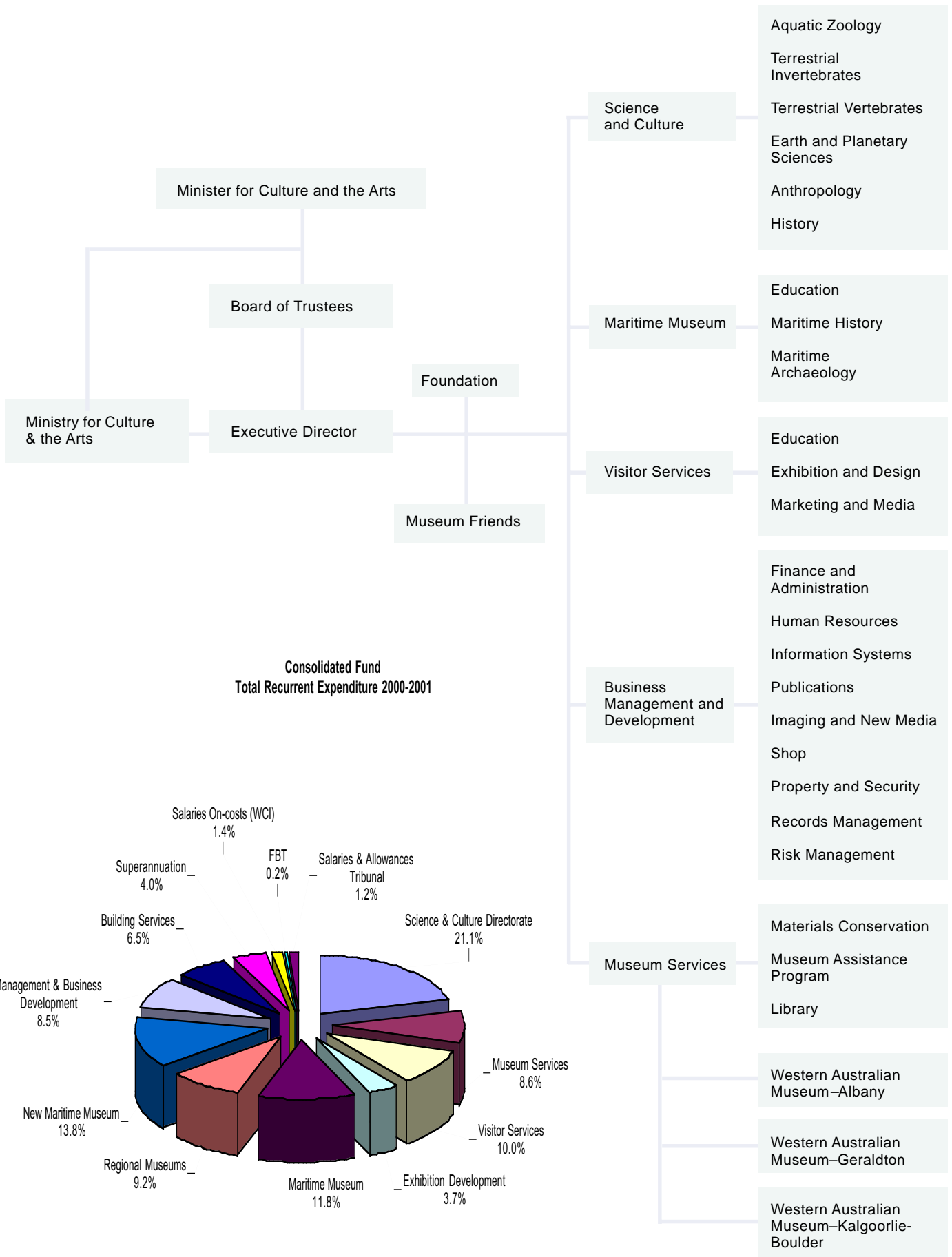
COMPARATIVE ATTENDANCE FIGURES, 1999–2000 AND 2000–2001

	Public	School Groups	Totals
Perth Site (Western Australian Museum–Science and Culture)			
2000–2001	210,964	28,886	239,850
1999–2000	238,786	26,683	265,469
Maritime Museum and B-Shed/Submarine			
2000–2001	209,490	14,457	223,947
1999–2000	199,648	20,987	220,635
Fremantle History Museum and Samson House			
2000–2001	41,911	2,692	44,603
1999–2000	48,911	3,721	52,632
Western Australian Museum–Albany			
2000–2001	69,109	3,388	72,497
1999–2000	67,049	3,998	71,047
Western Australian Museum–Geraldton			
2000–2001	69,439	1,873	71,312
1999–2000	55,413	1,541	56,954
Western Australian Museum–Kalgoorlie-Boulder			
2000–2001	97,848	2,191	100,039
1999–2000	107,838	2,058	109,896
Western Australian Museum Annual Totals			
2000–2001	698,761	53,487	752,248
1999–2000	717,645	58,988	776,633

MONTHLY VISITORS 2000–2001

CENTRE	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	TOTAL
PERTH	28,803	23,182	16,967	24,233	20,104	16,201	23,637	11,293	15,877	18,519	17,920	23,114	239,850
FREMANTLE	4,835	4,341	4,000	3,932	4,208	2,661	4,024	2,783	2,775	3,335	3,355	3,801	44,050
MAR MUS	18,762	17,166	22,069	21,478	19,229	17,771	24,224	12,894	18,248	21,725	13,258	17,123	223,947
SAMS HSE	42	38	47	52	64	22	56	37	42	43	54	56	553
ALBANY	3,162	2,975	5,027	5,308	4,582	5,790	12,959	3,087	6,801	14,771	4,287	3,748	72,497
GERALDTON	4,499	10,089	13,912	9,938	6,857	6,965	6,855	1,520	1,587	3,156	2,315	3,619	71,312
KALGOORLIE	9,970	8,761	12,252	10,351	7,295	6,485	8,485	4,818	7,813	8,985	7,759	7,065	100,039
TOTAL	70,073	66,552	74,274	75,292	62,339	55,895	80,240	36,432	53,143	70,534	48,948	58,526	752,248

Organisational Structure



Trustees, Boards and Committees

TRUSTEES OF THE WESTERN AUSTRALIAN MUSEUM

Dr Ken Michael AM BE(Hons) DIC PhD FTS HonFIEAust FCIT FAIM **Chair**

Mrs Sally Anne Hasluck **Vice-Chair** (*until 17 April 2001*)

Professor Lyn Beazley MA(Hons) PhD

Mr Alastair Bryant BBus (*ex officio*)

Mrs Ainslie Evans

Mrs Bridget Faye AM BA DipTheol

Dr Charles J. Fox BA(Hons) MA PhD

Mr Peter Hickson (*until 17 April 2001*)

Ms Irene Stainton (*observer*)

BOARDS AND COMMITTEES

Western Australian Museum Foundation Board of Governors

Sir Charles Court AK KCMG OBE CitWA **Patron**

Mr Simon Lee AO **Chair**

Ms Julie Bishop LLB MP **Deputy Chair**

Mr Bob Cronin

Mr Darcy Farrell

Mr Michael Gangemi OAM JP

Mrs Sally Anne Hasluck (*Trustees' representative*) (*until May 2001*)

Mr David Maguire

Dr Ken Michael AM BE(Hons) DIC PhD FTS HonFIEAust FCIT FAIM (*Trustees' representative*)

Dr Gary Morgan BSc(Hons) PhD (*ex officio*)

Mr John Poynton

Mr Timothy Ungar

Museum of Natural Science Board

(*to December 2000*)

Dr Phillip Playford AM BSc(Hons) PhD DSc **Chair**

Professor Lynda Beazley MA PhD (*Trustees' representative*)

Dr John Dodson BSc(Hons) MSc PhD

Dr Jean Hillier BSc(Hons) PhD

Ms Elaine Horne BScEd MEd

Mr Barry Muir BSc(Hons) (*to October 2000*)

Professor Harry Recher BSc PhD

Mr Enzo Sirna DipEd MACE MIEA(WA) MACEA

Trustees, Boards and Committees

Western Australian Museum Aboriginal Advisory Committee

Mr Brian Blurton
Mr Ken Colbung AM MBE JP
Ms Sandra Hill
Mr Darryl Kickett BA
Mr Noel Nannup
Mr Craig Somerville BA
Ms Irene Stainton BA
Ms Verna Voss DipEd MA

Western Australian Maritime Museum Board

Mr Michael Kailis **Chair**
Professor Frank Broeze LittD **Vice-Chair** (*deceased April 2001*)
Mr Ronald Packer BCom AIVLE(Econ) FAICD Solicitor of the Supreme Court (England and Wales) **Vice-Chair**
(*from June 2001*)
Mr John Farrell MechEng
Mr Ray Glickman MBus MA(Oxon) MX(Brun) CQSW FAIM AIMM
Mr Peter Hickson (*ex officio; Trustees' representative*) (*to April 2001*)
Ms Karen Jackson BA GradDipAppHerStud (*to 30 June 2001*)
Mr Doug Kerr
Mr David Maguire (*ex officio*) (*from February 2001*)
Dr Gary Morgan BSc(Hons) MSc PhD (*ex officio*)
Mr Noel Robins OAM (*to May 2001; leave of absence from June 2000*)
Mr Malcolm Smith (*from December 2000*)

Western Australian Maritime Museum Archaeology Advisory Committee

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The Trustees and staff of the Western Australian Museum gratefully acknowledge the contribution made by volunteers to all facets of the Museum's activities. Without their dedicated assistance, many projects and services offered by the Museum would not be possible. Particular thanks are due to the following people, who regularly, and over extended periods of time, have provided many hours of valuable service.

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Western Australian Museum Foundation

PRINCIPAL AIMS

- To raise funds to improve the Western Australian Museum's public programs and field activities, to extend its research efforts, and to revitalise its network of six metropolitan and regional museums.
- To help develop an institution of international renown.
- To support projects at all six Museum sites throughout the State, and to introduce exciting initiatives that are beyond the scope of government funding.
- To encourage greater public awareness of the activities of the Museum and its importance to the State and its people.
- To establish a capital base, over a period of time, to provide income to finance these activities.

ESTABLISHMENT

The Western Australian Museum Foundation was established in May 1995 and publicly launched in 1997. It recently completed its sixth year of operations.

FOUNDATION OBJECTIVE

In the words of Simon Lee AO, Chairman of the Foundation:

The State Government is a strong supporter of the Museum. However, it is clear the commitment needs to be shared by commerce and the community if we are to achieve our goals. We believe that with the support of the Foundation, dedicated people who work within the Museum will be able to help us better understand where we come from as a community, where we are and where we are going.

The Western Australian Museum Foundation seeks support from the broad-based Western Australian community to help realise the Museum's greater vision and achieve its objectives for the benefit of all Western Australians and visitors to this State. The Foundation invites the community to actively participate in developing a world-class Museum for Western Australia—a Museum that will provide the people of this State with a better understanding of both the past and present and thereby enhance their prospects of securing a better future for themselves and future generations. To quote Sir Paul Hasluck: 'A nation that does not respect its past has no future'.

The Western Australian Government has been very generous in its support of the Museum and Foundation. In 1996, it agreed to match every dollar raised by the Foundation to a total value of \$3 million over five years. This translates into a significant contribution to the achievement of the Foundation's objective to establish a capital fund of \$5 million to support the Museum on an ongoing basis. These funds, along with generous donations from both the corporate and private sectors, will enable the Museum to fulfil some of its key objectives for the benefit of the community it serves.

ACTIVITIES AND ACHIEVEMENTS

The Western Australian Museum Foundation has been active over the past year in its efforts to encourage support from all sectors of the community. Major corporate sponsorships and individual donations have enabled important projects to be undertaken and exhibitions developed. These include:

Western Australian Museum Foundation

- **Alcoa FrogWATCH:** A generous sponsorship from Alcoa World Alumina Australia has ensured the continuation of the very popular and environmentally important FrogWATCH program. Alcoa's continued sponsorship has facilitated program enhancements including: a dedicated web site and the development of a complementary program, 'Building Frog Friendly Gardens'.
- **Promotion of regional sites:** The generous sponsorship of services and broadcast time by WIN Television Network and the Film and Television Institute has provided the Western Australian Museum with an outstanding opportunity to promote its regional presence in Albany, Geraldton and Kalgoorlie-Boulder. Three 30-second television commercials were produced and are being broadcast through the WIN Television network.
- **Dampier Archipelago marine biological survey project:** Woodside Energy Ltd has committed \$640,000 to this project, which comprises a survey of all major marine habitats in the Dampier Archipelago region; an International Marine Biological Workshop; a marine biological display at the Museum's Perth site; a dedicated web site; and a 48-minute documentary and educational resource material. All major components of the project have been completed, and information gathered is being collated and analysed, adding substantially to existing knowledge of the marine biodiversity of Western Australia.
- **Discovery Centre:** A consortium of major Japanese companies contributed more than \$350,000 to the establishment of this facility, which was officially opened on 26 February 1999. Members of the sponsor consortium are the Tokyo Electric Power Co. Inc., Tokyo Gas Company Limited, Nippon Steel Corporation, NKK Corporation, Kawasaki Steel Corporation, Sumitomo Metal Industries Ltd, the Industrial Bank of Japan Ltd, Mitsubishi Corporation, Mitsui & Co. Ltd, Itochu Corporation, Tokyu Corporation, Toho Gas Company and Marubeni Corporation. The Discovery Centre is now in its second year of operation and has been enthusiastically embraced by visitors to the Museum as a user-friendly and dynamic research facility providing access to the Museum's vast and impressive collections.
- **Market research:** Generous sponsorship of market research services by a new corporate member of the Foundation, the Hides Consulting Group, has enabled the Museum to undertake much needed market research at the Perth and Maritime Museum sites.
- **New Maritime Museum:** Four new members of the Foundation have provided much appreciated assistance in the development of the new Western Australian Maritime Museum in Fremantle: the Kailis family sponsored the Board Room; Mr Ronald Packer contributed generously to the acquisition of the maritime library of Ian G. Stewart; Wallenius Wilhelmsen shipping lines sponsored the sea transportation of *Australia II* from the Australian National Museum in Sydney to Fremantle; and Brambles Industrial Services sponsored the land transportation of *Australia II* on its Sydney to Fremantle journey.
- **Australia II:** Australia's 1983 America's Cup winner, *Australia II*, has been invited to take part in the America's Cup Jubilee Regatta in Cowes in August 2001. The yacht's participation in this historically significant celebration is being facilitated by donations by Limestone Resources Australia, Sir James Hardy, Mr Bill Busby and a number of members of the Royal Perth Yacht Club.
- **Maritime archaeological expedition:** A major maritime archaeological expedition led by Dr Michael McCarthy to search for the shipwrecks of William Dampier's *Roebuck* and Louis de

Western Australian Museum Foundation

Freycinet's *Uranie* was made possible by donations by Mr John Lashmar, Bolrette Pty Ltd, Shire of Shark Bay, Mr John Hanrahan, Monkey Mia Dolphin Resort, Shark Bay Salt Joint Venture, Dr John Williams and Mr Hugh Edwards.

- **New Geraldton Museum:** Three new Foundation members have provided much appreciated assistance in the development of the new Western Australian Museum–Geraldton. Telstra CountryWide provided vital telecommunications equipment; Skywest Airlines sponsored eight return airfares; and WMC Resources Limited donated a bucket wheel that will be a feature of the new Museum.
- **Handbook of Western Australian Birds:** Following the success of Volume I of the *Handbook of Western Australian Birds*, work on Volume II has commenced. Donations towards this project have been received from Mr Joe Smith and Biota Environmental Sciences Pty Ltd.

NEW FUNDING INITIATIVES

This year, the Western Australian Museum Foundation launched two new fund-raising initiatives:

- **Frog Research Fund:** This fund was established to encourage support for the research work undertaken by the Western Australian Museum into frogs and the environment, and also to support the work of FrogWAtch and its members. The Foundation thanks the Australian Acoustical Society for its kind donation.
- **'Live Forever':** The 'Live Forever' program was created to encourage support for the Museum's scientific research work. Contributors are offered the opportunity to have a new species of animal discovered by the Museum named in their honour, enabling them to 'Live Forever'. This program, which was launched in May 2001, has generated an enthusiastic public response and extensive media coverage.

FOUNDATION GRANTS

Last year marked the inaugural round of funding to the Western Australian Museum from the Foundation, and the following projects and acquisitions were granted funding allocations:

- Museum NatureWAtch
- acquisition of the library of Ian G. Stewart
- ethno-botanical garden at the Western Australian Museum–Kalgoorlie-Boulder
- reconstruction of a skull from the *Batavia* massacre
- Dinosaur Hunt in the north of Western Australia
- Woodside Dampier Marine Biological Workshop

A total of \$154,270 was made available for approved projects for the combined 1999–2000 and 2000–2001 years. The next call for applications will be in late 2001.

BOARD OF GOVERNORS

The success of the Foundation during the 2000–2001 year is a direct result of contributions from the Foundation Governors and staff. The Museum is grateful to all Foundation Governors, particularly Sir Charles Court as Patron and Mr Simon Lee as Chair. These individuals have led the Foundation with great energy, foresight and generosity.

This year the Foundation said goodbye to Mrs Sally Anne Hasluck, who retired from her position as Trustees' representative on the Board. Mrs Hasluck was a founding Governor of the Board and contributed greatly to the establishment and success of the Foundation. The Foundation Board of Governors thanks Mrs Hasluck for her inspiration and untiring support over the past six years.

Mr Jim Boot CPA FCIS CD and Moore Stevens BG, Chartered Accountants, who joined the Foundation last year as honorary accountant and auditors, respectively, continued their generous support of the Foundation throughout the 2000–2001 year. The Foundation is grateful for their contribution.

Western Australian Museum Foundation

FOUNDATION MEMBERSHIP

Membership of the Western Australian Museum Foundation is divided into six categories. The level of contribution determines the category of membership.

Distinguished Patron

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Kailis, Dr Patricia
MacLeod, Dr I. D.
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Nichevich, Mr R. (Western Reefs Limited)
Nursery Industries Association
Packer, Mr Ronald
Perth Parmelia Hilton
PHELPS, Mrs R.
Platts Engineering Pty Ltd

Playford, Dr P.
Royal Perth Yacht Club
Shark Bay Salt Joint Venture
Shire of Shark Bay
SimsMetals Ltd
Smith, Mr J. A.
Spices Catering
TAS Agencies
Telstra CountryWide
Thrifty Car Rental, Karratha
Tokyu Corporation
Williams, Dr Martin

Friends of the Western Australian Museum

AIMS AND BENEFITS

The Museum established the Friends of the Western Australian Museum as a way for members to enjoy the best that it has to offer, and to gain a true appreciation of Western Australia's rich natural and cultural heritage. To achieve this, the Friends organise a diverse range of social and educational activities, presented in a friendly and congenial atmosphere. These events broaden the appeal of the Museum to the community, and help to maintain and enhance the Museum's pre-eminent place in Western Australia's cultural life.

A quarterly publication, *Museum News*, provides information on Friends activities, as well as on exhibitions, activities and other events at all Museum sites.

The Friends of the Western Australian Museum association is a member of the Australian Federation of Friends of Museums, which in turn is a member of the World Federation of Friends of Museums. Membership entitles Friends of the Western Australian Museum to reciprocal benefits, where available, at many leading Australian and overseas museums and galleries.

The Friends office is located in the Roe Street Cottage in the Museum's courtyard at the Perth site.

TRANSITIONS

The year 2000–2001 has been one of significant changes for the Friends of the Western Australian Museum.

From June 2000, the Friends Coordinator, Sara Meagher, took long-service leave and subsequently retired effective 5 December 2000. Her outstanding contribution to the Museum over 40 years, including five years as Friends Coordinator, was recognised by the Council of Friends at a farewell function held on

20 March 2001, and the following day by the Museum Trustees at a special luncheon in her honour.

Joanna Salomone was appointed Acting Coordinator from June 2000 and her secondment to the Museum was extended in March 2001 to June 2001. During that time, a membership drive was instituted. Improvements were made to *Museum News*, including a revised layout, inclusion of feature articles, increased distribution and outreach. These changes would not have been possible without the much appreciated assistance of the Publications staff. 'New look' activities were also developed for Friends, aimed at attracting a broader membership base.

Introduction of the Goods and Services Tax (GST) placed additional demands on Friends administration, and in late 2000 a volunteer bookkeeper and administrative assistant was recruited to assist in the Friends office.

The Friends Council and the Museum discussed strategic development of the association, and broad directions were agreed to at a meeting on 12 December 2000.

However, by May 2001 it became apparent that the serious financial situation facing the Museum would require a reduction in staffing. As a result, the Coordinator's position was not filled when it fell vacant at the end of June 2001.

An interim strategy for maintaining services and for providing continuing opportunities for Friends to interact with the Museum staff and collections was agreed to at an extraordinary meeting of the Friends Council and Museum staff on 19 June 2000. These arrangements are to be reviewed at the Friends Annual General Meeting in September 2001.

EXHIBITION GRANT

On 20 September 2000, the Hon. Minister for the Arts, Mike Board, presented Friends President John

Friends of the Western Australian Museum

Bannister with a cheque for \$98,000. This was part of the \$1.6 million grant applied for by the Friends in 1997 for development of the *Western Australia: Land and People* exhibition in the newly refurbished Hackett Hall at the Perth site.

ACTIVITIES

Through the Friends activities program, members have the opportunity to interact with Museum staff, visit behind the scenes, and explore the Museum's work in a way not normally accessible to the general public. Social aspects of the program also serve to promote interaction between Friends and the Museum.

During the year, the range and nature of Friends activities were varied, to broaden the appeal of membership. In February, Friends were treated to a special Saturday afternoon slide show and presentation on the natural environment, culture and history of Madagascar, courtesy of Dr Paddy Berry, Director, Science and Culture, and amateur naturalist and Friend Wayne O'Sullivan.

In March, Friends Vice-President Ethel Lucas arranged a visit to the Kings Park tissue culture and genetics laboratory. In April, Dr Ian Godfrey, Head of Conservation, entertained a large group of Friends and Museum staff with a fascinating presentation on his work on Mawson's huts in Antarctica.

During the year, Friends were also treated to behind-the-scenes visits to the Conservation Department at the Maritime Museum, and the Museum's meteorite, costumes, entomology and fish collections.

Maritime Museum Education staff provided a variety of tours and presentations, including a tour of sites implicated in the *Catalpa* escape, the C. Y. O'Connor port walk, a Dutch exploration tour and an exploration of postcolonial wrecks, from sail to steam.

In September 2000, Friends revisited the Shenton Park Bushland for an excursion led by Friend Barbara Kent.

The generous support of Museum staff who have given their time to participate in or facilitate Friends activities is greatly appreciated. The Friends program would not be possible without such support.

MEETINGS

The Friends Annual General Meeting was held on 9 August 2000, with a record attendance. Elected were: President—John Bannister; Secretary—Joanna Salomone; Treasurer—Leonie Kirke; Councillors—Ethel Lucas (Vice-President), Angela Anderson, John Ellis, Eileen Orchard and Mick Poole. Bridget Faye (Museum Trustee) and Gary Morgan (Museum Executive Director) continued as ex-officio Councillors.

Dr Gary Morgan addressed the meeting on his vision for the Western Australian Museum, outlining the key elements of the *BiosphereWest* concept.

The Council continued to meet bi-monthly throughout the year. Major items considered included: details of the Lotteries Commission granting process; strategies for increasing membership; the effect of GST returns on the Coordinator's workload; and the fact that the Coordinator's position would not be filled after June 2001.

Council was gratified at the completion of the Hackett Hall major exhibition *Western Australia: Land and People*, publicly opened by the Minister for Culture and the Arts on 23 March 2001.

PART 2

The Year Under Review

Western Australian Museum— Science and Culture

COLLECTIONS MANAGEMENT

Anthropology

The Western Australian Museum is committed to the repatriation of Indigenous restricted access religious objects and human skeletal material currently held in its collections. This is in accord with the Australia-wide agreement by museums that Indigenous people have prior rights over these categories of material. During the year, elders of the Warburton Community, after visiting the Museum to examine material held, requested the return of a large number of religious items to their country. Transfer of custodianship of the material was completed in April.

Discussions with other communities are progressing. With the assistance of a major grant from the Department of Communication, Information Technology and the Arts, it is anticipated that the Museum will be able to better inform appropriate community elders throughout the State about its holdings of restricted religious items from their country. It is likely that further transfers of custodianship will be negotiated.

Also as part of the repatriation program, Mance Lofgren assisted with preparation of human skeletal remains stored by the Museum for the Aboriginal Affairs Department (AAD), so that they could be interred in the AAD's newly established Keeping Place at Karrakatta.

Joe Dortch was contracted to work on documenting restricted access religious items in readiness for repatriation. Kathryn Robinson was contracted to add some of the State's large collection of archaeological material to the electronic database. She also took digital photographs of some items in the collection, including 2,000–5,000 year old Egyptian pottery that has been in the Museum's collection for over a century.

Anna Edmundson, recently appointed Assistant Curator, with expertise in the anthropology and material culture of South-East Asia and Oceania, has sharpened our awareness of the strengths and weaknesses of our international ethnographic collection. She has been able to add greater depth to our understanding of the cultural significance of some of the objects—for example, a world-class standard 19th century carved canoe prow, or *nuznuz*, from the Solomon Islands.

During the year, significant items added to the collections included artworks by Valerie Takao Binder, whose work documents her experiences as a fourth-generation member of 'stolen' Noongar peoples.

History

Collections management has, of necessity, focused on a number of major new exhibition projects. Collections Manager Wendy Bradshaw managed the selection, retrieval and documentation of objects associated with these projects. The new environmental history exhibition, *Western Australia: Land and People*, required more than 500 artefacts from the collection, as well as loans from individuals and external agencies. More than 700 artefacts were retrieved and conserved for the new Maritime Museum and the new Western Australian Museum—Geraldton.

Aquatic Zoology

The Woodside Energy Ltd–Western Australian Museum partnership again dominated the Aquatic Zoology Department's activities. Most of the 2,916 specimen lots identified and accessioned into the collections resulted from earlier expeditions to the Dampier Archipelago and the Marine Biological Workshop that was held in Karratha in July–August 2000.

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The Museum's 'Woodside Collection' now has a total of 8,708 specimens: 2,893 in the Marine Invertebrates Section, 1,207 in Molluscs, 3,200 in Crustaceans and 1,408 in the Fish Section. Work on identifying and accessioning additional specimens into the 'Woodside Collection' will continue beyond July 2001.

The entire fish collection was relocated from the basement of the heritage-listed Jubilee Building to a new facility fitted with compact shelving in the 'Tunnel' in the Upper Basement of the Francis Street Building. This move had become essential because of the potential fire risk. The relocation of 43,000 jars of alcohol-preserved specimens was a huge undertaking. Sue Morrison planned and supervised the move and has continued with sorting and labelling the collection. Sue received an Executive Director's incentive award in recognition of her efforts.

In order to reduce the quantity of alcohol stored in the Francis Street Building, the department's large specimens stored in 135 drums were relocated to an off-site commercial warehouse in May 2001.

Large collections of specimens collected by the Centre for Research on Introduced Marine Pests in Fremantle Harbour and by the Geraldton Port Authority in Geraldton Port were received for identification. Diana Jones identified barnacles from major surveys in Port Botany, Port Kembla and Port Darwin. Staff also identified specimens collected by the Australian Institute of Marine Science in a survey off North West Cape and from depths between 50 and 850 metres.

A total of 44 type specimens were added to the type collections in Aquatic Zoology, comprising 17 new species of barnacles, 19 other crustacean species, three opisthobranch molluscs, two new sponges, two new holothurians (sea-cucumbers) and one new fish species.

Earth and Planetary Sciences

Invertebrate Palaeontology and Palaeobotany

In addition to the 2,774 specimens registered into the collection, other significant new material was acquired. Honorary Associate Alan Longbottom donated large collections of Eocene and Miocene echinoids and molluscs from the Nullarbor Plain. Senior Curator Ken McNamara, assisted by Curtin University Honours student Shelley Cooper, made significant collections from a new, highly diverse fossil plant site in the lower Murchison River district. The collection also benefited from the donation of an important collection of Jurassic molluscs from boreholes put down off the North-West Shelf by Chevron.

Vertebrate Palaeontology

During the year, 42 registered specimens were added to the vertebrate palaeontology collections, although a larger number of specimens were received and await sorting and registration. Three loans were issued, including specimens used in the recently published paper dating the extinction of Australian megafauna co-authored by Research Associate Alex Baynes.

Minerals and Meteorites

The mineralogical collections are constantly used by the public, industry and academia. Plans are well advanced to make the expanded database of the collection available on the Internet.

A significant addition to the mineral collection was the type specimen of Woodallite, a new mineral described and donated by Dr Ben Grguric.

Terrestrial Invertebrates

The Arachnology Section processed a scorpion collection donated by the family of the late Graeme

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Smith. This valuable addition to the Museum's collection contains several thousand specimens from many parts of Australia, but mostly from the Western Australian Wheatbelt.

Terry Houston undertook two insect collecting expeditions: one to the Cooloomia Nature Reserve between Kalbarri and Shark Bay; the other to various localities between Perth and the Murchison Region. The objective was principally to obtain additional specimens of various undescribed native bees and spoon-winged lacewings, but the expeditions also provided an opportunity to make general insect collections.

Argyle Diamonds donated a substantial collection of insects from its Argyle mine site.

Bill Humphreys conducted major surveys of stygofauna (animals confined to groundwater) in the Fortescue Valley, the northern goldfields (with the South Australian Museum) and the Northern Territory (with the Northern Territory Department of Lands, Planning, Environment and Water Resources).

Terrestrial Vertebrates

In order to accommodate concerns regarding on-site storage of alcohol, the Terrestrial Vertebrates Department relocated off site more than 700 drums, comprising nearly 7,000 specimens of larger vertebrates. A major reorganisation of the tissue collection (stored as both ethanol and ultra-frozen) was completed. Technical Officer Brad Maryan conducted an audit of the herpetological collection, with major changes being made to the digitised databases in all sections to accommodate off-site storage of specimens.

Collections in all areas continue to expand as a result of material and vouchers supplied by the public, government departments and consultants. A particularly valuable collection of voucher specimens,

covering a large area of the central Pilbara, was received from Biota Environmental Sciences Pty Ltd. The CALM study of the Kingston Block in the Jarrah forest continued to provide important specimens. Specimens were also received from Honorary Associate Peter Kendrick, from CALM in Karratha.

KNOWLEDGE GENERATION

Anthropology

Extensive research was focused on developing exhibitions, and there were major outcomes for several ongoing research projects during the year.

Charles Dortch was awarded his doctorate on a thesis exploring part of his long-term research into South-West prehistory. His dissertation, which deals with territorial organisation and specific aspects of hunter-gatherer economy in the estuarine lower South-West, is a welcome contribution to a topic that otherwise has received little attention in the region.

The Museum, led by Charles Dortch, has pursued research at Devils Lair, a cave in the South-West of the State, for more than 30 years, making it among the best studied prehistoric sites in Australia. Because of many advances in dating technology, a series of new samples from Devils Lair were submitted for analysis. Employing Accelerator Mass Spectrometry Carbon 14 dating with new sample preparation techniques, recently published results have now pushed the age of the deposit back to more than 50,000 years BP. The first traces of human occupation appear at about 48,000 BP. These dates have been further verified by complementary ages for samples dated by Optically Stimulated Luminescence, Electron Spin Resonance, Uranium Series dating of flowstones, and Carbon 14 dating of emu eggshell carbonate.

Moya Smith provided an expert witness report on Bardi ethno-archaeological evidence from the Dampierland Peninsula.

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History

Research focused on the exhibition *Western Australia: Land and People*, which integrates a range of social, cultural and environmental issues to portray the emergence of a distinctive Western Australian landscape and the complex interactions of people and place over time. It reflects increasing community and academic interest in the relatively new field of environmental history.

The department was also involved in the production of a scholarly collection of essays related to broad themes of Western Australia's environmental history. This volume, a collaboration between the Museum's History Department and the Centre for Western Australian History at The University of Western Australia (UWA), is nearing completion and will be published in 2001. Entitled *Country: Visions of Land and People in Western Australia*, it is edited by Mathew Trinca (History Department), Andrea Gaynor (UWA) and Anna Haebich (formerly of the Museum and now at Griffith University in Queensland).

Curator Mathew Trinca continued research into migrant experiences and conceptualisations of place in Western Australia. In particular, he has examined the circumstances and conditions of life of Italians on the goldfields, focusing on the hybridised cultures that incorporate elements of their home and host experiences.

Wendy Bradshaw is currently working towards a Master's degree, investigating the history of domestic pottery in Western Australia from the 1890s to the 1940s. This research includes a social and economic history of Western Australian potteries, and an archaeological analysis of the early potteries, focusing on technologies and products. The work will greatly enhance understanding of the Museum's collection of Western Australian pottery.

Aquatic Zoology

The Woodside Dampier Marine Biological Workshop was launched jointly by Mr John Akehurst, Managing Director, Woodside Energy Ltd, and the Hon. Mike Board MLA, then Minister for Employment and Training; Youth; the Arts, at the Western Australian Museum on 24 July 2000. The workshop attracted 40 international, Australian and Western Australian scientists, and fieldwork was conducted over three weeks by ship- and shore-based teams. The results, which are expected to include descriptions of many species new to science, will be published by the Museum in two years' time. One highlight, recorded on film possibly for the first time, was the observation that trapeziid crabs (small crabs that live only among branching coral) actively defend their hosts from predation by Crown of Thorns seastars by using their claws to attack the soft underparts of the starfish.

Jane Fromont was one of the Principal Investigators successful in receiving an Australian Biological Resources Study (ABRS) grant that supports research by Kayley Usher, a PhD student she co-supervises at UWA. Kayley is examining marine symbiosis between the sponge genus *Chondrilla* and cyanobacteria (light-requiring microbes). Jane continues to co-supervise Lea McQuillan, who is in her final year of study as an MSc student at Edith Cowan University (ECU). Lea received Coastcare funding to conduct research into processes affecting sponge distributions in the Marmion Marine Park.

Jane Fromont and Robert Craig continued research on the bio-eroding sponge *Cliona*, and Luisa Rawlinson, an Honours student at ECU, completed her thesis on the same project. Luisa received accolades for her thesis from the Western Australian Fisheries Industry Council and the Pearl Producers Association, which funded the project.

Fred Wells participated in a Marine Rapid Assessment Program survey of the Raja Ampat Islands in Irian

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Jaya, Indonesia, run by Conservation International, an organisation based in Washington, DC. Fred examined the mollusc fauna, recording more than 600 species. As a result of this fieldwork, Conservation International is making recommendations to the governments of Indonesia and the Province of Irian Jaya about protecting the area as a marine park.

Fred Wells continued his research on three projects as part of the Woodside program: biology of the mudwhelk genus *Terebralia*, feeding biology of the intertidal seastar *Astropecten*, and systematics of planktonic heteropod molluscs. All three are based in the Dampier Archipelago. Fred also completed his supervision of Corey Whisson, who received First-Class Honours from Curtin University for his thesis on the invertebrates of the Peel-Harvey estuary.

Diana Jones continued research on a collection of deep-water cirripedes from the Muséum national d'histoire naturelle, Paris, and a collection of hydrothermal vent barnacles from the Senckenberg Museum, Frankfurt, Germany. The former resulted in a major publication on the barnacles of New Caledonia, in which Diana describes a new subfamily, four new genera, and 18 new species of deep-water balanomorph barnacles. Diana also continued fieldwork on the behaviour of the fiddler crab *Uca elegans* on the back-flats of mangrove areas at the Burrup Peninsula.

Barry Hutchins continued his long-term study of tropical reef fish recruitment at Rottneest Island in relation to the Leeuwin Current. Indications are that the Leeuwin Current has returned to its more normal pattern after the strong flow of the previous two years.

While in South Africa attending the Conference on Indo-Pacific Fishes in Durban, Barry Hutchins undertook a survey of the reef fishes at Aliwal Shoal, a large area of reefs 40 kilometres south of Durban, with a similar fauna as that found at the Houtman

Abrolhos. Barry Hutchins and Sue Morrison continued research into the clingfish genus *Alabes*.

Shirley Slack-Smith continued research on the pectinid (bivalve molluscs) collection in collaboration with H. Dijkstra, Amsterdam. She also undertook a survey of the Cape Leeuwin swamp population of the endangered species of amphibious snail *Austroassiminea lethra* for the Water Corporation, and surveyed and reported on sections of the Pilbara non-marine molluscan fauna near Whim Creek and in an area of the Burrup Peninsula.

Jane Fromont and Sue Morrison undertook a field expedition to examine the biota of the Carnarvon jetty. This survey resulted in a report on the marine invertebrate fauna and fish species that were found beneath the 100-year-old jetty.

Earth and Planetary Sciences Invertebrate Palaeontology and Palaeobotany

Ken McNamara continued studies of Devonian trilobite faunas from the Canning Basin, working with PhD student and Research Associate Malte Ebach on the harpetid trilobites. He also completed his study of the ontogeny and heterochrony of the Early Cambrian oryctocephalid trilobite *Arthrocephalus*, with colleagues Zhou Zhiyi and Yu Feng from the Nanjing Institute of Geology and Palaeontology, China.

Other research included the completion of two papers on Cretaceous serpulids from Western Australia and an analysis of fossil echinoids from the 7th to 8th century archaeological site of Busayra in Jordan. A new project on the developmental mechanisms involved in postcephalic segmentation in trilobites was commenced.

Research Associate George Kendrick undertook research on Cenomanian bivalves from South India;

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on mangrove–oyster associations in the fossil record, with colleagues from the University of Paris; and studies of Pleistocene and Middle Holocene molluscs for Carbon 14 dating and oxygen isotope analysis with Dr Karl-Heinz Wyrwoll from UWA.

Research Associate Robert Craig was awarded his PhD during the year for his work on the Cretaceous and Tertiary brachiopods of Western Australia, work that he undertook in the department.

Research Associate Malte Ebach undertook an area cladistic analysis of harpetid trilobites and the taxonomy of Late Devonian trilobites from the Canning Basin.

Research Associate Yu Wen continued his studies of Cambrian molluscs from China, in particular micro-molluscs from the Yangtze River region.

Vertebrate Palaeontology

Curator John Long continued research on Devonian fish faunas of Western Australia and greater Gondwana. He undertook a field expedition (partly funded through a grant from the Museum Foundation) to search for dinosaurs in the Great Sandy Desert. This resulted in the discovery of an oviraptorosaurid dinosaur bone of Late Cretaceous age from the Giralia Range, as well as an isolated bone of a mosasaur and a variety of fossilised shark teeth.

John Long's research included editing a 420-page monograph on the Palaeozoic biota of Gondwana, and co-authoring three research papers on Devonian fish remains from Iran, in addition to reviewing papers on Australasian Devonian vertebrates and a biogeographic comparison of the dinosaur faunas of Australia with those of South-East Asia.

Mineralogy and Meteorites

Peter Downes continued his research on diamond-bearing alkaline rocks of Western Australia, for which

he received continued financial support from Thundelarra Exploration to assist fieldwork and research at its Aries prospect (now a joint venture with BHP) in the Kimberley. Samples collected from the Nifty Copper Mine were examined, and a report on the mineral species represented and their paragenesis was submitted to the owners, Straits Resources.

Research Associate Robert Hough spent a year in the department on a Travelling Research Fellowship funded by the Royal Society of Great Britain. Dr Hough worked on impact-altered rocks from the recently recognised Woodleigh Structure in Western Australia, and on the first discovery of cosmic spherules in Australia. Papers on both these topics have been submitted to international journals.

Terrestrial Invertebrates

Grants by ABRS have enabled the continued production of computer interactive identification keys. The first, awarded to Mark Harvey and three associates from Canberra and Adelaide, is for a key to the terrestrial and freshwater invertebrate orders of the world. Erich Volschenk, Research Officer employed under the grant, has made excellent progress on the key. The second, awarded to Mark Harvey and Robert Raven of the Queensland Museum, Brisbane, is for the production of an interactive key to the spider subfamilies of Australia, which should be released by the end of 2001.

Mark Harvey continued his research into arachnid systematics, publishing taxonomic papers on water mites, pseudoscorpions and schizomids. Of particular interest is the discovery of new genera of schizomids from northern and eastern Australia.

Analysis of new material collected during the year by Terry Houston has clarified the geographic ranges and taxonomic status of several undescribed forms of native bees in the genera *Ctenocolletes*, *Hyleoides*

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and *Leioproctus* and spoon-winged lacewings in the genus *Chasmoptera* (Neuroptera: Nemopteridae). Terry continued writing manuscripts describing these new forms and dealing with the habits and floral associations of various other bees.

Grants by ABRS and the Australian Research Council (with colleagues at the South Australian Museum) have enabled Bill Humphreys to extend the analyses of the groundwater fauna of the 'Western Shield' to include molecular methods. The use of stable isotope ratio methodology has provided insights into the trophic structure of subterranean systems.

Terrestrial Vertebrates

Research on Western Australian mammals by Assistant Curator Norah Cooper resulted in the clarification of the identity of two species of the small carnivorous marsupial *Dasycercus*, a genus that is listed as Threatened Fauna. This is of significance for management and conservation of the genus throughout Australia. Examination of taxonomic problems in *Planigale*, *Pseudomys*, *Sminthopsis* and *Antechinus* is continuing.

Ken Aplin completed his research on the taxonomic status of numerous reptile taxa encountered during the major survey of the Carnarvon Basin between 1994 and 1996, and made preliminary examinations of problem taxa discovered during Brad Maryan's audit of the herpetological collection. Laurie Smith finalised publications on the herpetofauna of the Recherche Archipelago, made progress with the systematic revision of the *Lerista muelleri* complex, and completed a listing of the primary types in the herpetological collection.

Ron Johnstone continued his detailed study of the breeding biology and conservation concerns of three species of threatened forest cockatoos, a project undertaken in collaboration with the Perth Zoo, CALM

and the Water Corporation. Further sampling of Bungendore Park continues to document the rich ground fauna of the Darling Scarp adjacent to the Perth urban sprawl. In collaboration with Honorary Associate Geoff Lodge, Ron is also documenting the avifauna of the remote Kimberley islands.

Research Associate John Darnell completed a detailed examination of the avifaunal reference collection at the University of Singapore's Zoology Department as part of ongoing studies of the avifauna of the Lesser Sunda islands.

In December, Ric How and Norah Cooper completed the final vertebrate fauna survey of the area around the Griffin Gas Plant near Onslow. This concludes a very detailed three-year study of the herpetofauna of the central Pilbara coast, which has provided a significant collection of voucher specimens.

Ric How, Norah Cooper, Ron Johnstone and Laurie Smith all participated in a survey of the mammals and herpetofauna of the Yampi Peninsula, run by Environment Australia. This survey, undertaken in March, with both logistic and helicopter support, enabled sampling in five remote locations on the Yampi Sound Defence Training Area and provided valuable information and material from a poorly known area of the Kimberley during the height of the wet season.

A winter survey of the frog fauna of the Lexia wetlands on the northern outskirts of Perth was undertaken by Johnny Prefumo and Brad Maryan, funded by the Water and Rivers Commission. This project will define base levels of amphibian populations in these important wetlands on the Gnangara Mound and provide new information on the spread of the frog chytrid fungus in the outer urban areas.

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KNOWLEDGE COMMUNICATION

Anthropology

Contributions to the multi-disciplinary exhibition *Western Australia: Land and People* included liaison with Aboriginal Advisory Committee member Noel Nannup in selecting and obtaining specimens of various targeted foods for the 'Noongar Island' display segment. The models, produced by preparator Kirsten Tullis, look extremely life-like, and most Noongar visitors have commented with enthusiasm on the catching/gathering and preparation of these foods.

Anna Edmundson coordinated a highly successful changing exhibitions program in the temporary exhibition space in *Katta Djinoong: First Peoples of Western Australia*. This space is designed to allow for a relatively rapid changeover program, to widen the themes of the gallery and to inject an air of vibrancy and interest in the overall space.

One of the main aims of the space is to allow for increased participation from Aboriginal community groups. It was hoped to create a casual, accessible atmosphere for members of the Aboriginal community who might be unfamiliar or uncomfortable with larger museum institutions.

This year's *Katta Djinoong* program, sponsored by the Aboriginal and Torres Strait Islander Commission, featured: *Images of his Country*, a series of sketches and mixed-media paintings from the artist Ngarra (Barney Yu), depicting his relationship to country around the Fitzroy Crossing region; Valerie Takao Binder's *Sandy Country/Yile Boodjar*, a series of paintings and mixed-media works centring around the artist's experiences as a member of the Stolen Generation; Valerie Takao Binder's *Dwelling Place/Mia Mia* (a co-presentation of PIAF and the Western Australian Museum), a mixed-media installation that distils some of the artist's early memories of childhood

before she was taken from her family as part of the Stolen Generation; and a series of ten gouache paintings depicting Western Australian orchids by Yamatji artist Christine Latham.

There has been a positive response to this project from the artists contacted and from community centres and other institutions working as cultural brokers for Aboriginal art and material culture in this State. It is hoped that the *Katta Djinoong* changing exhibitions program will develop into a dynamic, popular and long-term feature of the Museum.

Moya Smith organised the launch of the touring exhibition *Albert Einstein: Man of the Century*. The exhibition includes reproductions of original photographs, manuscripts, documents, correspondence, sound recordings and film held at the Albert Einstein Archives at the Jewish National and University Library in Israel. It profiles not only his scientific research but also his personal life, his work for peace and his Jewish identity. In addition, there is some charming and somewhat whimsical correspondence between Einstein and children. The launch was enlivened by Alex Bevan's succinct explanation of the meaning of relativity, and Terry McClafferty's demonstration of the principles of light and energy.

Various staff members have taken visiting groups, including Aboriginal artists, Indigenous tour operators and students, on tours of *Katta Djinoong* accompanied by lectures focusing on the specific interests of these groups. Increasingly, Indigenous art students are seeking to explore the stored collections as well as the gallery.

Charles Dortch presented several talks on his archaeological research in the South-West and participated in filming at Devils Lair for a German documentary. A paper co-authored by Charles has firmly established the antiquity of human occupation

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of Devils Lair at over 48,000 years. This is an important contribution to the debate about the timing of human settlement of Australia.

Moya Smith presented a paper in the 'Indigenous Exhibitions' session at the Museums Australia Conference in Canberra.

History

The opening of the new gallery *Western Australia: Land and People* in March 2001 represented the culmination of several years' intense research and development effort by the History Department. This exhibition, generously funded by the Lotteries Commission of Western Australia, has successfully combined every facet of the Museum's broad expertise in a display covering more than 700 square metres detailing the environmental and cultural history of this State.

History and Exhibition and Design staff worked closely throughout the design and installation phases of this gallery. It is the most ambitious single exhibition project undertaken and completed by the Museum to date. Mathew Trinca, Sue Graham-Taylor, Wendy Bradshaw, Phyl Brown and Anna Haebich, led by Head of Department Ann Delroy, played a pivotal role, developing content for the gallery and coordinating the contributions of colleagues in other research areas. They also developed and supervised the multimedia programs and interactive displays that are central elements of the exhibition experience.

Western Australia: Land and People uses interactive multimedia technology to provide additional interpretive, contextual information to enhance the visitor experience. Seven touch-screens are used at locations within the exhibition, some providing more detailed information on topics covered only briefly in the exhibition. In 'Yellagonga's People', for instance, the viewer may access information about some

members of what early colonists described as 'Yellagonga's tribe'. 'Living with the Land' provides the Noongar names for the plants and animals eaten by Noongar people in the South-West and details of how the foods were hunted, gathered and prepared for eating. Other interactive displays, such as 'Living in the City', 'Naming the Country' and 'Timber Terms', challenge the visitor to respond to questions related to their knowledge of a particular subject.

Public response to the gallery has been extraordinary, with significantly increased visitor numbers. Qualitative feedback from visitors has been very complimentary, with many people moved to congratulate the Museum through visitor feedback forms and personal notes. The gallery has also attracted praise and support from government and other organisations and agencies.

A major catalogue for the gallery, to be published later in 2001, is in preparation. This volume is aimed at a general audience, but also engages with elements of the primary and secondary school curricula in relevant areas. The department has also maximised opportunities to produce associated products and merchandise, including postcards, reproductions and other items.

Led by Ann Delroy, the department researched and developed an on-line version of the *Western Australia: Land and People* gallery, to be hosted on the Museum's web site later this year. This is an important element in the Museum's commitment to deliver its programs to remote and isolated audiences.

The department worked closely with the Education Section, especially Kate Akerman and Sue King, in developing education support materials for the exhibition. Three packages, one for primary schools and two for secondary schools, are nearing completion and will be sold on a cost-recovery basis to schools and teachers. Elements of these packages

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will also be available on the Museum's web site and should ensure that there is adequate support material for school visits and work related to the new gallery.

A highly successful public lecture by leading Australian novelist Robert Drewe was arranged, attracting a 'full house' to the new foyer in James Street. The evening lecture was a paid ticketed event and drew strong approval from all who attended. The event served as a pilot for what we hope will become a permanent program of public lectures and presentations, showcasing the breadth of the Museum's own expertise and key Australian and international speakers.

Mr Patrick Dodson launched the award-winning publication *Broken Circles: Fragmenting Indigenous Families 1800–2000*, by History Department Curator Anna Haebich, at the Museum in October 2000. Published by Fremantle Arts Centre Press, Dr Haebich's book won the Gleebooks Prize as well as taking out the overall prize at the 2001 New South Wales Premier's Literary Awards in June. The judges described her book as:

the best kind of public history. It engages one of the most significant moral issues faced by Australians—the so-called stolen generation—at a time when the debate has been clouded by politics and accusation. The book's great virtues are that it explores root causes, and is passionate without sacrificing objectivity.

Aquatic Zoology

The Dampier Marine Gallery and the Dampier web site were both completed in July 2000. These two major projects guide the public through the Woodside Energy Ltd–Western Australian Museum marine biodiversity program being undertaken in the Dampier Archipelago.

Also completed in June 2001 was a 48-minute documentary video production highlighting the

biodiversity of the Dampier Archipelago and the role of the Museum in assessing its biodiversity. The distribution of the documentary, produced and directed by Clay Bryce, has been taken up by Hit Entertainment (UK). Funding is being sought to make a shortened educational version for schools.

A travelling exhibition on the Baudin expedition to Australia was launched at the Busselton Jetty Interpretive Centre to accolades from all present. Project Leader Diana Jones's role in the project included four years of research and considerable interaction with French custodians of original material and images.

Diana Jones revised the popular book *Field Guide to the Crustaceans of Australian Waters*, co-authored by Gary Morgan, which will be published later this year. Each section of the text has been fully updated by international experts, and 41 new or replacement photographs are included.

Clay Bryce represented the Museum as a tour guide on a trial marine eco-tour of the Kimberley coast between Wyndham and Broome, run by a commercial tour operator. Over 13 nights, guests were treated to spectacular scenery and historic sites and took part in organised reef and beach walks, informal natural history discussions and nine prepared talks on Kimberley marine life presented by Clay. Guest reaction to the cruise was very favourable, with several people expressing the desire to repeat the experience next year.

Aquatic Zoology staff attended a number of conferences and workshops throughout the year. Jane Fromont attended an ascidian taxonomy workshop at the Museum of Tropical Queensland in Townsville (September). This was a unique opportunity to learn from the only Australian expert on this group, retired Queensland Museum Curator Patricia Mather. Ascidians are one of the major sessile marine groups on our coastline and an important

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component of the Museum's marine invertebrate collections.

Fred Wells was invited to participate in the Tropical Marine Mollusc Program (TMMP) as a resource expert at its 11th annual conference and workshop held in Southern India (September–October), and presented a paper on work done in Thailand on the mangrove muricid *Chicoreus capucinus*. Fred proposed holding a final TMMP meeting in Perth in 2004 as part of the 3rd World Malacological Congress. He also represented the Museum at a 'Conference of Marine Life' meeting—an ambitious international program that aims to name all the species of marine life over the next decade. The project is being facilitated by Mr Jesse Ausubel of the Alfred P. Sloan Foundation in New York.

A total of 37 talks, lectures, excursions and behind-the-scenes tours were undertaken by staff, as well as 36 media interviews or articles. Diana Jones coordinated a series of articles for the *North West Telegraph*, written by marine staff, on the findings of the Woodside Dampier Project. These articles resulted in school projects at the local school and have been well received by the public.

Earth and Planetary Sciences

A new, much improved departmental web site was completed. Numerous tours of the *Diamonds to Dinosaurs* gallery were undertaken by Drs McNamara, Bevan and Long.

Invertebrate Palaeontology and Palaeobotany

Ken McNamara completed co-editing *Human Evolution through Developmental Change*, which will be published by Johns Hopkins University Press later in 2001. A popular booklet entitled *Fossil Plants of Western Australia* was written in collaboration with Dr Steve McLoughlin of Melbourne University. Articles

on stromatolites and ancient beliefs in fossil echinoids were written for the popular science magazine *Newton* and the Museum magazine, *Tracks*, respectively.

Vertebrate Palaeontology

John Long was awarded the Eureka Prize for the Promotion of Science. John's contributions have included serving as the Museum's representative on the State National Science Week Committee, and on the organising committee for a State-wide science quiz night ('Bush to Beach', held in 53 communities around the State). Science Week events organised by John as project leader have included: *The Art of Science*, an exhibition of scientific art at the Western Australian Museum, and *2001: Space, Odysseys and the Science Behind Sci-Fi Literature* held at Steve's Nedlands Park Hotel, which was attended by 60 people.

John Long gave 18 talks to school groups during Children's Book Week, talks to UWA Friends of the Reid Library, and talks at Subiaco Library. He delivered a keynote lecture at the national meeting of the Science Teachers' Association and the Western Australian science teachers conference at Muresk.

Research Associate Alex Baynes attended the AQUA (Australian Quaternary Association) biennial conference in Port Fairy, Victoria. He also presented a paper, jointly authored by Ken Aplin of the Museum, and John Chappell and Brad Pillans of the Research School of Earth Sciences, Australian National University, based on research carried out on Pliocene and Quaternary vertebrate faunas from a succession of karstic and related coastal deposits on Barrow Island.

The Dinosaur Club continued to provide children and adults around Australia with the latest information about prehistoric discoveries. This year issue 16 of *Dinonews* magazine was published, and issue 17 is in production.

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Mineralogy and Meteorites

Curator Alex Bevan completed a book (co-authored by Professor John de Laeter) entitled *Meteorites: A Journey through Space and Time*, currently in press with University of New South Wales Press. In December, Alex Bevan and Assistant Curator Peter Downes attended the 4th Mineralogy in Museums Conference in Melbourne. They delivered papers on Nullarbor meteorites, alexandrite gems from Dowerin, and diamond-bearing rocks from the Kimberley, and Alex Bevan presented a poster on the Museum's *Diamonds to Dinosaurs* gallery. Alex and Peter also contributed a paper on 'Mineralogy at the Western Australian Museum' to a commemorative volume of the *Australian Journal of Mineralogy*.

Alex Bevan and Ken McNamara updated their extremely popular book on tektites, which is in press with the Museum. The revised and enlarged third edition carries a foreword by one of the world's leading experts on tektites, Professor Christian Koeberl of the University of Vienna.

Alex Bevan lectured to first-year students at both the Department of Geology and Geophysics, UWA, and the Department of Geology at Curtin University of Technology. Alex also took part in a popular writers forum for Science Week held at Steve's Nedlands Park Hotel, gave talks to the Mineralogical Society of Western Australia, and, with John Long, delivered a well-attended popular lecture during Museum Week in October.

Terrestrial Invertebrates

The publication of 'Biodiversity of the Southern Carnarvon Basin', Supplement 61 of the *Records of the Western Australian Museum*, brought to a close a project commenced in 1994 by Mark Harvey, in conjunction with CALM and funded by the Australian Nature Conservation Agency. Containing 19 papers,

it sets a new benchmark for collaborative studies documenting the biodiversity of Western Australia.

In March, Mark Harvey, Julianne Waldock and Erich Volschenk attended the XV International Congress of Arachnology in Badplaas, South Africa, where they presented several talks and a poster. Dr Harvey was invited by the congress organisers to present a keynote address on his research on the smaller arachnid orders.

Data from the Museum's bee collection (more than 23,000 specimens) were made available to Dr Ken Walker of the Museum of Victoria for an Australian native bee web site using shared data from various institutions. The web site was established initially within that of the Council of Heads of Australian Insect Collections, pending upgrading of the Museum of Victoria web site. The site permits the data to be queried in various ways and distribution maps to be generated.

Terry Houston resumed work on a manuscript for a popular book on Australian native bees and began another on ants, in collaboration with four colleagues, on behalf of the WA Insect Study Society.

Bill Humphreys was invited to the Asia Pacific Forum on Karst Ecosystems and World Heritage held in conjunction with the opening of the Gunung Mulu World Heritage area in Sarawak, under the auspices of the International Union for Conservation of Nature and Natural Resources (IUCN). He also served as co-editor of *Ecosystems of the World*, vol. 30, *Subterranean Ecosystems*, a major synthesis of world subterranean ecosystems.

Terrestrial Vertebrates

A major initiative by the department during the year has been the production of the first authoritative checklist of the vertebrate species of Western Australia. The soon to be published Supplement to the *Records*

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of the Western Australian Museum will document this initiative, and the checklist of accepted names will be included on the Museum's web site.

Norah Cooper and Ken Aplin published the description of a new species of carnivorous marsupial, *Pseudantechinus roryi*, the first new mammal species from Western Australia to be described since 1988.

Ron Johnstone continued work on the second volume of the *Handbook of the Birds of Western Australia*; the project is due for completion within the next year.

The revised edition of *Frogs of Western Australia* was launched on 5 July, and the revised edition of *Lizards of Western Australia I Skinks* received the Whitley Award for best Australian field guide. Laurie Smith attended the presentation in Sydney and received the award on behalf of the Museum.

Staff have been kept busy providing specimens and information for the completion of the *Western Australia: Land and People* exhibition in Hackett Hall and the travelling exhibition *Baudin: The French Connection*.

Staff continue to present lectures, interviews and public seminars, while student projects are facilitated by all sections within the department. Laurie Smith has undertaken three times the usual number of requests from CALM for expert witness statements resulting from prosecutions pursued by that department, while identifications for the Customs Department have been undertaken by all sections.

Anthea Paino, assisted by Lyndal Sleep and Anne-Marie Shepherd, continued to coordinate the numerous activities pivotal to the ongoing success of Alcoa FrogWAtch, while Laurie Smith provided professional advice and management in the absence of Ken Aplin. The FrogWAtch program now has a membership of almost 6,000—an increase of

2,500—including many from regional areas, especially Geraldton, Kalgoorlie and Albany.

A highlight was the Frog Friendly Day held at the Perth site, which attracted large numbers of visitors on a Sunday during a traditionally quiet time at the Museum. They enjoyed frog pond building demonstrations, frog fungus research workshops, displays by environmental community groups, and children's activities, including a 'frogstickle' obstacle course and craft at the Discovery Centre. A new book, *Building Frog Friendly Gardens*, which is the backbone of the 'Building Frog Friendly Gardens' kit, was launched on the day. The book (and kit) fills an important gap in the literature and aims to encourage Western Australians to build gardens suitable for Western Australian frogs. The book has been very popular and is already in its second printing.

The Alcoa FrogWAtch web site was launched at <www.museum.wa.gov.au/frogwatch/>. Visitors to the site can see colour pictures of local frog species, access audio of their calls, register on line as frog-watchers, download the latest FrogWAtch information and email the office.

Staff provided talks to school groups who visited the Museum and to external schools and communities, ran information stalls, and guided frog-watching walks. Frog distribution monitoring continued during the year.

Western Australian Maritime Museum

COLLECTIONS MANAGEMENT

The Western Australian Maritime Museum manages maritime archaeological and general maritime history collections in accordance with government policy, the *Museum Act 1969*, the *State Maritime Archaeology Act 1973*, the *Commonwealth Historic Shipwrecks Act 1976* and the Australia Netherlands Committee on Old Dutch Shipwrecks Treaty. The maritime archaeology collection has long been recognised internationally, and the maritime history collection, which includes Australia's largest museum watercraft collection, is developing an international reputation with the addition of such icons as the Oberon submarine *Ovens* and the America's Cup winning yacht *Australia II*.

In managing these internationally significant collections, Maritime Museum staff play a leading role in national forums such as the Australian Institute for Maritime Archaeology (AIMA), and international preservation initiatives such as the United Nations Educational, Scientific and Cultural Organisation draft *Convention for the Protection of the Underwater Cultural Heritage*, through the International Council on Monuments and Sites (ICOMOS).

The new Maritime Museum will, on completion in 2002, be the State's most prestigious cultural heritage facility. Preparation of the maritime history collection for the new Museum has been the focus of the Maritime History staff. Much of the collection has been relocated from B-Shed to A-Shed for exhibit preparation. B-Shed will be vacated early in the new financial year. The building construction is scheduled for completion in February 2002, when the installation of exhibits will commence.

The America's Cup winning yacht *Australia II* was returned to the Maritime Museum in accordance with the October 1994 *Cultural Address to the Nation* by then Prime Minister Paul Keating.

A major project for the Maritime Museum was the relocation of the *Batavia* wreck stone portico from the Batavia Gallery to the new Western Australian Museum–Geraldton, in line with the 1992 Parliamentary Select Committee's recommendations. Geoff Kimpton managed the portico relocation and the manufacture of a replica portico for the Batavia Gallery.

The submarine *Ovens* was closed from February to May for painting, and officially reopened by the Patron, the Hon. Kim Beazley (Leader of the Federal Opposition), on 14 May 2001 at a ceremony with 300 invited guests. In the same week, International Museums Day was celebrated at the submarine site.

Staff are improving the interior of the submarine to ensure its long-term conservation. A fully climate-controlled air-conditioning system was recently installed. The displays around the submarine site have been improved as more naval items are received for the new Maritime Museum.

Additions to the maritime archaeology collection included: a metal prisoner-of-war model of HMAS *Sydney II* donated by James and Norma Anderson; glass serviette rings from *SS Lygnern* donated by Mrs L. J. Ball; a model of the *Don Francisco* as a slaver before it became the *James Matthews*, donated by Rod McKay; a *JP Webb* ensign and scrapbook/photo album donated by Mr G. Aubrey; a metal badge marked 'VOTES FOR WOMEN' donated by Jenny Davies (of the Broadhurst Family); various ship's fittings from the *SS Emden*, and a ship's compass recovered from the schooner *Seaflower* (1923) by the sole survivor of the wreck, Lt Cyril Richard Cornish DSO, and donated by Marjorie Cornish.

KNOWLEDGE GENERATION

The Maritime Museum's research role was in earlier years recognised by the Commonwealth Government with the prestigious status of National Centre

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of Excellence. Although funding for the centre has now expired, an active research program is continuing, with a number of partnership initiatives.

Maritime Archaeology staff continued research into techniques for replicating *Batavia* shipwreck 'survivor' skulls and making a wax model. Stephen Knott, of QEII PathCentre, visited Madame Tussaud's laboratories in London in August 2000 to observe wax models manufacture and gain information about the materials and techniques used.

Jeremy Green participated in the 2000 Tektash (Turkey) expedition for six weeks, assisting with the underwater surveying photogrammetric recording of the site using Photomodeller. The site is a 4th century BC shipwreck lying in 40 metres of water.

The production of a series of documentary films, entitled 'The Shipwreck Detectives', by Prospero Productions is facilitating ongoing field research on several projects. The first is the grave-site of the *Batavia* shipwreck 'survivors', partially excavated in 1999. Survey work was carried out this year at Long Island on the Abrolhos to locate the mutineers' execution site, and ground-penetrating radar was used to attempt to locate other graves on Beacon Island.

The second project is an investigation of the Deepwater Graveyard off Rottnest. The area was initially searched using side-scan sonar; Prospero Productions then commissioned UTS, a local survey company, to carry out an airborne magnetometer survey over an area of 32 square kilometres. Eight sites were located and subsequently investigated with a side-scan sonar. Work on this, involving remotely operated vehicles, is ongoing.

The third project is a search for the aircraft destroyed during the Japanese raid on Broome. Side-scan sonar has located a number of new sites, which are being investigated.

A team from the Maritime Archaeology Department visited Middle Island, near Esperance, to examine the grave-site of Matthew Flinders's bosun, Douglas, and other historical sites. The survey did not reveal the location of the Douglas grave, but the remains of several buildings and a well were surveyed, together with the camp-site of the people who salvaged the *Penguin* wreck.

Inspections were completed on the *Penguin* and *Belinda* wrecks on Middle Island. The historical buildings on Middle Island are thought to be part of the whaling and sealing camp and possibly also associated with the salt works. Negotiations regarding sealing and whaling studies in the Recherche Archipelago off Esperance are under way with staff of the Centre for Archaeology, UWA, and also with the Southern Australian Whaling and Sealing Study Group centred at Flinders University.

A team comprising Geoff Kimpton (chief diver), John Lashmar and Dr John Williams of Augusta, Les Moss (President, Shire of Shark Bay), author Hugh Edwards, Carmelo Amalfi (science writer for the *West Australian*), and leader Mike McCarthy travelled to the Ascension and Falkland islands. With the assistance of Philippe Godard and island residents, they located the wreck-site of HMS *Roebuck* (1701) of William Dampier fame, which was lost on Ascension Island, and the wreck of the lovers Rose and Louis de Freycinet's exploration vessel *Uranie* (1820), lost in the Falklands. The expedition was made possible by donations and sponsorships from private individuals, notably Dr John Hanrahan of Perth, and corporations such as the Shire of Shark Bay, Shark Bay Salt Joint Venture, Monkey Mia Resort, Royal Brunei Airlines and Mainpeak Cottesloe.

A site inspection for the proposed Blacklip Pearl Oyster aquaculture lease west of Gun Island, inside Half Moon Reef, was carried out. The proposed area is inshore of the *Zeewijk* (1727) wreck-site. The

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inspection included a survey of the lease area to record any material within it, and an evaluation of the site condition, to ascertain whether further artefacts were likely to be uncovered in the future.

Corioli Souter conducted a site monitoring program and detailed literature search to ascertain the extent of potential archaeological remains at the new Maritime Museum site. Artefacts were reported and catalogued, and representative objects were collected for display in the new Museum's Swan River Gallery.

Jeremy Green and Corioli Souter conducted a side-scan sonar survey of Carnarvon Bay, Port Arthur, Tasmania, to locate cultural material on the sea floor related to colonial industry and the settlement of Port Arthur. This project is part of an archaeological survey by the Port Arthur Historic Site Management Authority.

Maritime History Department staff have been fully engaged in developing gallery themes for the Maritime Museum redevelopment.

An increasing function of the Education Section over the course of the year has been the continuing development of the Children's Trail in the new Museum and the family Activity Centre in A-Shed. Designers Blackwell and Associates were appointed to study the feasibility of creating a maritime heritage activity centre for school visitors and families. The hands-on Activity Centre will provide a focus for active learning to complement Museum guided tours, precinct walks, cycle tours, and special programs such as beach sweeps and fishing—all of which further our vision of a 'museum without walls' in the maritime precinct.

KNOWLEDGE COMMUNICATION

Marketing Manager Karen Majer has developed a marketing plan for the period leading up to the opening of the new Maritime Museum in the second half of 2002. The plan is designed to fully exploit the

international marketing opportunities of events such as the return of *Australia II* and the yacht's participation in the America's Cup Anniversary Regatta at Cowes.

Maritime Archaeology staff assisted the Western Australian Museum—Geraldton to prepare exhibits for the Shipwrecks Gallery, and conducted a Coastcare Abrolhos Islands archaeological sites project. Staff also participated in the AIMA conference in Adelaide in December 2000; the Commonwealth/State Delegates/Practitioners' Meeting; and the AIMA/Nautical Archaeology Society (NAS) Maritime Training Program, which has helped to increase the membership of the Museum's amateur wing, the Maritime Archaeological Association of Western Australia.

Negotiations are under way with James Cook University (JCU) and Flinders University to start a six-month graduate diploma course in 2002, located at the Western Australian Maritime Museum. During the year, staff instructed students at the Flinders/JCU Field School at Wardang Island, South Australia, in the use of HPASS and remote sensing equipment.

Ray Sutcliffe, working with Maritime Museum staff and with the assistance of Prospero Productions, finalised the video *Caught in Time: The Story of the Xantho*.

An Inspectors course for the Fisheries Department was held on the Abrolhos Islands.

The Education Schools Programs attracted nearly 14,000 school children. The department's ability to deliver a wide selection of programs to Western Australian children can be largely attributed to the unswerving commitment of Education volunteers. In addition to hundreds of hours of service in guiding groups through the galleries, volunteers assisted with general clerical work, building learning tools and making the monthly *Batavia* Lecture Series and special events such as the *Australia II* Welcome Home Celebration a great success.

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Staffing targets for volunteer recruitment were met for all Education programs, and induction and training requirements were fulfilled. Six new volunteers joined us during the year. Ongoing and refresher training was provided.

The *Batavia* Lecture Series proved a success yet again, with local and international guests showcasing a diverse and entertaining range of maritime heritage topics. A change of venue from the Batavia Gallery to the function room did not dampen the enthusiasm of the public: recent lectures have attracted audiences well in excess of capacity.

Highlights of school holiday programs included the Easter Holiday premiere of 'Pieces of Eight!', a pirate treasure trail developed by Education staff. This off-beat and light-hearted family activity earned the participants a pewter replica of a Western Australian shipwreck coin at the end of the trail. Visitor Services provided additional children's activities, such as pirate storytelling by talented Maritime Museum attendant Julia Sylvester. The pirate program was the most successful on record, with 1,000 children participating.

Education oversaw an increased involvement of Visitor Services in school holiday programs, which has further accorded the Museum status as an excellent family venue.

The Education Section is committed to developing and maintaining ties with the community. In March, it was involved in Sea Week 2001, providing an opportunity for Western Australian teachers to dive on the *Shark* wreck-site off Rottnest Island, among other activities during this all-day annual event. Curtin University's Sir Charles Court Young Leaders' Program uses the Maritime Museum as an annual venue, and in partnership with Education has developed highly successful programs that address the needs of special student groups.

The Education Section contributed specially developed tours to Fremantle Heritage Week and participated in the Fremantle Festival parade. The section is taking the Museum into the community by visiting schools and libraries, giving talks to organisations, and being involved with other education providers and volunteer guiding groups.

The submarine *Ovens* has continued to attract visitors from all over the world—a total of more than 41,000. The submarine is open to the public Friday to Sunday and on Wednesday to Sunday during school holidays. In consultation with the Education Department, school groups tour the submarine on Tuesday and Wednesday, with 222 school children visiting during the year.

The 50 specially trained submarine guides received the prestigious Fremantle Heritage Award for their 'significant contribution to Fremantle's social, cultural, built or natural heritage'.

VALE FRANK BROEZE

UWA made a very sound decision in 1970 when it gave the go-ahead to its newest member of staff, Dr Franklin Jan Aart Broeze, to begin a course in Maritime History. His linguistic talents saw him publish in French, German, Dutch and English, with many articles being translated into Spanish, Arabic and Greek. His brilliance in teaching drew him to the attention of the wider community and this is how many of his Museum connections were made. We were charmed by his rich, melodious voice on ABC Radio 6WF programs, and he had a special talent for communicating with the public on complex philosophical and historical issues without condescension or pretentiousness.

The Museum community and many hundreds of past and present students were saddened when the news came through that Professor Frank Broeze had finally succumbed to cancer on 4 April 2001. All of us were

Western Australian Maritime Museum

touched by his remarkable energy and passion for maritime history and for how it can be used to gain an insight into contemporary society and the world at large. His vision was as limitless as the horizons over the ocean paths. The deliberations of the Board of the Maritime Museum, the Maritime Archaeology Advisory Committee, and the team working on the redevelopment of the new Maritime Museum all benefited from his involvement.

His response to the drain of administration and of dealing with internal committees saw him frequently outwitting his opponents. He had the unique ability to find infinite time for good-humoured dialogue with colleagues and students. His wit was sharp, his counsel wise and his friendship a thing to be valued. Our loss is heaven's reward and we extend our condolences to his beloved wife Ulrike (Ulli) and his son Carsten, who will miss him more than can be imagined. The contribution that Ulrike has made over more than 30 years' working in the Conservation Department has been enhanced by the support that Frank was able to give over a generation. Like all great teachers, his work will live on in the lives of all who came into his orbit. May he rest in peace.

Western Australian Museum— Albany

COLLECTIONS MANAGEMENT

The Western Australian Museum—Albany's collections were successfully cared for throughout the year.

Six hundred new items were acquired. Of special importance were the Albany Port Authority's donation of items dredged from the bottom of the harbour, a span of the Deep Water Jetty, and the acquisition of the contents of Mouchemore's Cottage.

KNOWLEDGE GENERATION

My Albany—Memories and Stories, a collection by John Genoni, was completed during the year, while *An Albany Walk Downhill* by Keith Murray and an origin placename book, *Albany Who and What* by Les Johnson, are in preparation. Research was undertaken for an *Albany and Federation* exhibition and booklet, and also on the history of the Mouchemore family for a conservation plan.

Material for a Millennium Time Capsule was actively collected from community groups and schools throughout the region. More than 300 items were donated, which will be an invaluable resource for researchers in the future. Contributors were asked why they belonged to their group and how they envisaged the group functioning in 50 to 100 years' time.

The first of three heritage walk trails was completed in partnership with the Albany City Council. The route of the 'Amity Trail' is marked with plaques on the buildings and pictures made in mosaic tiles on the ground, produced as a community arts project. The trail is proving very popular and is increasing visitors' knowledge of the city.

KNOWLEDGE COMMUNICATION

Special exhibitions kept the number of visitors to the Museum much the same as in previous years, in spite

of a reduction in tourists visiting the region. The population base of about 28,000 represents only a third of the number of visitors to the Museum. Thus the Museum plays an important role in informing tourists about the area they are exploring.

The Museum organised a week-long visit from the Light Horse Memorial Troop as part of the Anzac 2001 Federation Festival. The troop performed at the Museum in the mornings, with the horses pulling a guncarriage, the gun being fired and opportunities being made available for the public to talk to the riders. The troop then delivered coffee in sacks to Dylan's in Stirling Terrace, providing a historic photo opportunity. In the afternoon, an exhibition of horsemanship, with historical commentary, was presented on an oval. A video has been made of the performance. The events proved very popular, with 1,500 people attending the last performance. The Museum obtained sponsorship from the City Council, Mt Romance and Dylan's on the Terrace to assist with costs.

Other exhibitions and events that were much enjoyed by visitors were:

- *Feral Peril* from Fisheries WA: shows fish and other water animals that can cause problems if imported accidentally into Western Australia.
- *Silent Invaders*, prepared and installed by Customs and Agriculture West: demonstrates the items that have come into Western Australia via visitors and the harm these items can do.
- *Albany and Federation* prepared by the Western Australian Museum's Exhibition and Design Section: uses artefacts from the Albany Historical Society and the Museum history collection.
- *Too Dark for the Light Horse* from the Australian War Memorial: a travelling exhibition of great interest especially to Noongar people, who supplemented the exhibition with objects, turned out in large numbers for the opening, and travelled long distances to see it.

Western Australian Museum— Albany

- *Gallipoli Images*: a popular exhibition of large paintings by Stewart Cownie (a retired illustrator from the *West Australian*) and photos taken at Gallipoli that have never before been exhibited.
- *Millennium Time Capsule*: exhibition of the 300 items collected, while work was undertaken to stabilise them.
- 'Frog Friendly Gardens': two days of workshops and talks for individuals and schools with Ken Aplin from the Alcoa FrogWAtch program. A permanent garden was completed containing three ponds, and a frog population is now in residence. More than 300 people were involved in various ways—all interested in frogs and requiring more knowledge.

In conjunction with the Department of Conservation and Environment, and Waters and Rivers, the Museum participated in a river cruise for the Coastcare program, providing commentary about the origin of landforms and their relationship to plants and wildlife in the region. The Museum also provided commentary for beach excursions at Cosy Corner and Middleton Beach. Other talks were given to Rotary, the National Trust and various school groups.

All exhibitions had education components, and special activities were organised for school holidays using both the permanent and ephemeral exhibitions. All of these proved very popular, especially the free ones!

Assistance in the form of knowledge was given to many community groups, including the Albany Historical Society, the Old Farm, Strawberry Hill, the Anzac 2001 steering committee and the Wellstead Progress Association.

Western Australian Museum— Geraldton

COLLECTIONS MANAGEMENT

The Western Australian Museum—Geraldton does not have its own collection: every item on display is on loan from the Western Australian Museum collection or from individuals or institutions. However, the Museum has a responsibility for maintaining and managing the collection in its care. We have been working continuously towards improving our collections management—the net result being the development of the new Western Australian Museum—Geraldton. A state-of-the-art building was commissioned during the year, and we have been occupied with acquiring additional items for new temporary and permanent exhibitions.

A team of conservators from the Department of Materials Conservation visited Geraldton to assess the conservation status of the various relics. While some were treated in situ, others were sent to Fremantle for conservation work. Work is also in progress on digitising the images to be used in the new exhibitions.

KNOWLEDGE GENERATION

The design and development of exhibitions are critical to the concept of knowledge generation. The curatorial consultants for the new Museum have been working during the year on exhibitions. The consultants and the exhibition designers held a community consultation workshop in December, which was attended by 25 stakeholders.

Chris Williamson, an artist from Fremantle, was contracted by the Friends of the Art Gallery to come to Geraldton under an artist-in-residence program. In consultation with Museum staff, he designed twelve Feather Banners for the new Museum. Chris also organised and coordinated a workshop of the Friends of the Art Gallery to stitch the banners.

Educational activities are another means of generating knowledge. The Museum celebrated National Science Week by organising the 'Great Marsupial Night Stalk' program at Wicherina reserve, in conjunction with CALM. More than 50 people, including Museum staff, local community members, students, CALM officers and CALM carers, surveyed an area of 1,215 hectares and collected data on marsupials and feral animals as part of a national research project.

The annual Clem Burns Heritage Award competition received 45 entries from three different schools: Geraldton Grammar, Shark Bay Primary and Mount Tarcoola Primary School. An award function held on 12 September was attended by about 70 children, teachers, parents and local media representatives.

KNOWLEDGE COMMUNICATION

The Western Australian Museum—Geraldton communicates knowledge through public lectures, exhibitions and education programs.

Public Lectures

As our main focus this year was on the new Museum building and its exhibitions, there were limited opportunities for public lectures. Dr Ken Aplin visited Geraldton in November as Skywest Visiting Fellow, to promote the FrogWAtch program. His talks and demonstrations were of great interest to students and to the general public who attended his evening lecture.

In March, Ms Corioli Souter from the Western Australian Maritime Museum gave a public lecture entitled 'Mapping the Massacre' immediately after her fieldwork in the Abrolhos Islands. This lecture was well received and attended by about 90 guests.

A series of lectures by prominent speakers and a screening of rare footage on the retrieval of shipwreck

Western Australian Museum— Geraldton

materials were organised at the Museum during the June long weekend. Hugh Edwards spoke on 'The Near Loss of a Historic Plate' and 'The Wake of HMS Roebuck'. Max Cramer spoke on his favourite subject (also the title of his book), 'Treasures, Tragedies and Triumphs of the Batavia Coast'. Chris Fleming charmed the audience with his recent experience on the Abrolhos Islands with his talk 'Digging up the Past', while Bill Newbold gave a lecture entitled 'Time and Time Again'.

Exhibitions

While the curatorial consultants were busy with the development of exhibition concepts and finalisation of objects for the exhibitions in the new Museum galleries, there was plenty happening to interest the visiting public and schools. The *Batavia* portico was moved from Fremantle to Geraldton in April. Geoff Kimpton and his team meticulously reassembled the stones, returning the portico to its regal glory. The Bristol Tourer plane travelled from Greenough Airport to its permanent home, and a team of more than a dozen volunteers from the local aero club restored the aircraft to its original shape. The Cobb & Co. coach travelled from Whitman Park to its new home at the Museum's Mid West Gallery.

The glass panels designed by local Marra Marra women and fabricated at Warburton were installed in the Mid West Gallery. This work was funded from the Percent for Arts Scheme.

Travelling exhibitions from all over the country were displayed at the Museum:

- *Impressions: Australians in Vietnam* from the Australian War Memorial was launched by the Minister for the Arts and local Vietnam veterans on 11 July.
- A photographic exhibition, *As It Was: East Timor 1971*, by Dr Romela McSwain and Dr Hugh Jones opened on 15 July.

- In September, Customs and Agriculture West hosted *Silent Invaders*, along with Fisheries WA's *Feral Peril*.
- *From the Steps of Bonegilla* from Albury Museum opened on 15 May.
- *History of the Western Australian Constitution* was brought in from the Constitution Centre of Western Australia.

There was no dearth of local content and talent at the Museum, with the following exhibitions having been displayed:

- *Filipino: Art and Culture*, an exhibition by the local Filipino community, was opened by the Mayor of Geraldton and Gerald Donnelly, Honorary Consul for Philippines in Western Australia, on 22 July.
- The spirit of the Sydney Olympics was very much alive in Geraldton, with an exhibition on martial arts organised at the Museum to celebrate the introduction of tae kwon do in the Olympics. It was curated by local tae kwon do enthusiasts, who also provided floor demonstrations.
- Entries for the Clem Burns Heritage Award—a primary school level competition—were on display during September.
- A model of Geraldton City circa 1925 was developed by local modellers with the help of the local studies unit of the City of Geraldton Library.
- A time capsule put together in 1979 was opened at the Geraldton Secondary College on 2 November, and its contents were on display at the Museum in February and March.
- *Mosaic on Midwest*, designed by local artist Julie Nunn, was installed at the entrance of the Museum.

The Museum's own travelling exhibition on the history of the *Zuytdorp* was displayed at Kalbarri between July and January.

Western Australian Museum— Geraldton

Education

The Museum's school holiday programs attracted a large number of participants for activities like astronomy, science, art and craft, 'Ocean Adventure', 'Planets in Jar', pottery potpourri, colourful collage, 'Antarctica in the Oven', 'The Deep', 'Time Capsules', harbour cruise/navigation, 'Museum Zoo', ceramic mosaics, Abrolhos Island adventure, 'Treasure Hunt', marine biology, ceramics and fishing clinics. These entertained children, parents and volunteers alike. The programs were made all the more interesting with the introduction of interactive technology. Our 'Time Capsules' workshop was attended by the past and present Mayors of Geraldton.

Travelling exhibitions such as *Impressions: Australians in Vietnam*, *Silent Invaders* and *Feral Peril* attracted a sizeable number of students from schools in the region. Dr Ken Aplin's FrogWAtch talks were attended by more than 300 school children.

The Museum sees the local Spalding Park Reserve as an important ecological oasis in the surrounding suburban development, and has begun the process of coordinating education activities with other interested groups, such as CALM, to emphasise the importance of the reserve.

Students from all over the State visited the Museum's maritime displays and associated educational activities. With our new displays, programs and activities, we will be well equipped to cater for an increasing number of school visits in the years ahead.

Western Australian Museum– Kalgoorlie-Boulder

COLLECTIONS MANAGEMENT

The Western Australian Museum–Kalgoorlie-Boulder continues to develop the State's collections relating to the development and history of the goldfields region.

In January 2001, the Museum collected an original section of the Goldfields Water Supply pipe from the historic Bailey's Reward mine lease in Coolgardie. The pipe was buried in a culvert on the lease during the 1890s and was missed when the main section of pipeline was relaid in the 1920s. It is significant because it is possibly the last remaining section of pipe that retains the original lead seal used in the construction of the pipeline. The pipe has been prepared for display and will feature prominently in an expanded display on the pipeline proposed to coincide with the National Trust's Golden Pipeline Project. The Museum acknowledges the support of the Water Corporation of Western Australia and the donor, Mike Charlton, in making this object available for display.

In July 2000, the Museum exhibited three segments of the Goldfields Water Supply pipeline, showing different historical technologies, donated by the Water Corporation.

Ongoing work on the collection was put on hold in the early part of 2001 due to staff shortages and the need to address other projects, such as the ethno-botanic garden. However, in March the first of a regular series of displays was initiated. The new acquisitions case featured a cutlery set won as a prize in a live pigeon shooting contest in Boulder in 1905, a series of lantern slides advertising Kapps Newsagency, and a camel nose peg and leather anklet used by local Afghan cameleers. A second display case will showcase well-known identities that have connections to the goldfields. Dean Kemp, the

current co-captain of the Australian Football League team the West Coast Eagles, was featured as the first in this series.

KNOWLEDGE GENERATION

The tenders for the ethno-botanic garden were assessed, with Paterson Landscape and Tree Safe awarded the contract to implement Blackwell & Associates' design. Work began in late May and is scheduled to finish in July 2001. Plantings and the installation of the interpretive panels will take place later in the year. The ethno-botanic garden is designed around six depressions that replicate the water catchment features of natural land systems. These catchment areas are designed to mimic the shape of the local silky pear, *karlkurla*, which gives Kalgoorlie its name.

As part of the consultative work for the project, the Branch Curator undertook discussions with members of the local Aboriginal community. These discussions centred on developing an overall conceptual plan for the plantings to complement the landscape design. The six water catchment areas provide the opportunity to divide the garden into definable sections that can be planted in specific ways to reflect the unique knowledge of Aboriginal people in the goldfields region. The model developed from the consultations proposes that areas within the garden design reflect particular 'patches', based on the types of bush tucker and medicines that are used in different cultural areas in the goldfields region. These patches encourage communities from Norseman to Leonora to the Western Desert to associate more closely with the garden and enable a framework for ongoing interpretation of the garden as a cultural space.

The Acting Branch Curator was invited to represent the Western Australian Museum–Kalgoorlie-Boulder on the National Trust's Golden Pipeline Project committee, and will continue to provide advice to

Western Australian Museum— Kalgoorlie-Boulder

this important project. He was also involved in initial discussions regarding the future of the world-famous Bush Two-up structure and the possibility of its relocation to a site adjacent to the Museum.

The Acting Branch Curator continued to represent the Museum on the Tourism Association Executive Committee, and Museum clerical officer Carolyn Gray sat on the City of Kalgoorlie-Boulder Arts Committee.

KNOWLEDGE COMMUNICATION

Visitor numbers remained steady at around 100,000, and are expected to rise once the Australian Miner's Hall of Fame opens in October 2001.

The program of Visiting Fellows, reinstated last year, continued. Our first guest speaker was Dr Ian MacLeod, who presented an extremely entertaining and informative talk on revelations from artefacts excavated from the wreck of the *Batavia*. Dr Ken Aplin gave an enlightening lecture on frogs of the South-West and goldfields and the highly successful FrogWAtch program. Dr John Long enthralled the audience with tales of his adventures carrying out research in the Antarctic. The landscape and the way in which it is culturally constructed were the theme of Mr Matt Trinca's lecture, which also gave the audience a preview of *Western Australia: Land and People*, prior to the opening of the exhibition at the Western Australian Museum in Perth.

On 10 July 2000, the Olympic flame passed through Kalgoorlie-Boulder on its way to Sydney. The City of Kalgoorlie-Boulder organised a weekend of celebrations prior to its arrival, and the Western Australian Museum—Kalgoorlie-Boulder played its part by hosting the Mini Ancient Games. During the day, more than 1,000 people visited the Museum and 200 children took part in the program. A gold nugget prize was awarded to winners in each of four sections.

A highlight of the year came in August, when the Museum was awarded the 2000 Goldfields Business Awards inaugural Goldfields Tourism Award. Nominations were judged on submissions outlining the history, vision and future plans of the organisation, and on an interview with the judging panel.

In October, the Museum hosted a delegation of judges from the Western Australian Tourism Commission as part of Kalgoorlie-Boulder's bid to win the Top Tourist Town award.

The Museum took part in the City of Kalgoorlie-Boulder's strategic planning day in November, and has been involved with the city and the National Trust in planning for upgraded facilities and better public access to the Mt Charlotte Reservoir via a walkway that will originate from the Museum. The Museum has also been a key stakeholder in the City of Kalgoorlie-Boulder's cultural planning process.

Issues relating to the ongoing display of the K00001 gold bar and State Gold Collection moved closer to being resolved. The Geological Survey Department agreed to reunite elements of the State Gold Collection not currently on display in the Museum's Gold Vault. This will result in the complete collection being displayed for the first time for many years. Negotiations between the government and the owners of the K00001 gold bar have been successful in arranging for a reduced lease fee for the next twelve months. News of this agreement was conveyed to the Museum in person by the Deputy Premier. This is an important first step towards recognition of the historic and social significance of the gold bar to the people of the goldfields and Western Australia.

Following the previous year's training in tour guiding, a program of daily tours was instigated and continues to prove popular with visitors. Each staff member has developed a tour highlighting aspects of the Museum's displays and goldfields history, focusing on

Western Australian Museum— Kalgoorlie-Boulder

a particular theme or subject. Attendant Moya Sharp, applying her interest in the history of the area, has established a small research section in the reception area. In May 2001, Elaine Mackinnon participated in a training course on developing web sites and will oversee the compilation of information on activities at Kalgoorlie-Boulder for the Western Australian Museum's intranet and Internet sites.

The Museum hosted visits by ministers of the previous and current governments, including a breakfast function for the Minister for Culture and the Arts, Sheila McHale MLA, and representatives from her portfolio interests. On 29 June 2001, the Federal Member for Kalgoorlie, Barry Haase, opened the Australian War Memorial touring exhibition *Forging the Nation: Federation—The First Twenty Years*. This is a timely exhibition and one that was eagerly anticipated by many of the schools in Kalgoorlie-Boulder.

The Education Officer continued to provide a service to schools throughout the State and to work with other education organisations such as the Education Department and the Goldfields Camp School in encouraging the use of the Museum and its displays in their educational programs. School bookings followed the pattern of previous years, although there was an increase in non-local schools using the Museum's educational facilities.

Links to other Kalgoorlie-Boulder organisations that run education programs was boosted this year through regular meetings of Education Officers coordinated by the Goldfields Camp School.

The Museum's profile was raised through a series of radio advertisements on the local commercial radio stations, and via television advertisements featuring the Western Australian Museum's regional sites negotiated by the Western Australian Museum Foundation.

In May, as the final part of the changeover to the Museum's new logo and name (formerly the Museum of the Goldfields), the signs on the Ivanhoe headframe were replaced. A large crane, and two workers suspended 33 metres above the ground in a metal cage, removed the old signs and then installed the new sign with its distinctive golden logo. Lights to illuminate the sign and headframe will be installed in early 2001–2002.

Fremantle History Museum

KNOWLEDGE COMMUNICATION

The exhibition *A New Australia: Postwar Migration to Western Australia*, continued to be appreciated by the community. Many descendants of those who migrated to the State in the 1950s and 1960s express their amazement at the experiences of parents or grandparents. Original migrants often thank staff for presenting their stories and there are many return visits to this exhibition. Some visitors take the opportunity to add their migration experiences in the visitors' book, thus sharing with others their stories and adding to the State's migration history.

In this year of the Centenary of Federation, the Western Australian Museum's travelling exhibition, *When Australia Was a Woman*, with its evocative cartoons, pictorial representations and objects, has provided a different perspective on the traditional historical account. Few women were present at the opening of the First Parliament of the Commonwealth of Australia in Melbourne on 9 May 1901, and none yet had the benefits of full citizenship. But the new nation was invariably depicted in the feminine—a paradox that is explored throughout the exhibition. The many images and representations of women as symbols of the nation are of particular interest to secondary students and others interested in the nation's history.

The Museum's education programs, led in Fremantle by Caroline Mutzig, are popular. The schoolroom with its wooden desks and austere teacher at the blackboard, as well as programs based on *Foundations of Fremantle* and *Within these Walls*, are particularly enjoyed by primary school groups, who usually come dressed in historical costume. The themes of *A New Australia: Postwar Migration to Western Australia* have great relevance to students studying the upper school curriculum. Groups of

tertiary students, from various disciplines, also regularly use the Museum as part of their studies.

Adding to a program of booked tours by various community and tourist groups, Fremantle History Museum became the second of the Western Australian Museum branches to introduce free daily introductory tours to visitors. There has always been great interest in the building, with its fascinating history as the State's first purpose-built lunatic asylum, and then as women's home, midwifery training school and American Supply Base during World War II. Most tours focus on the building and the lives of those who have lived there, adding extra dimensions to the exhibition *Within these Walls*. Response by staff and visitors has been enthusiastic, and all attendant staff at Fremantle History Museum are now involved in the tours.

The Community Access Gallery continues to hold a key place in the facilities of the Fremantle History Museum. The space is available, free of charge, to community groups who work together with Museum staff to produce their own exhibitions. A highlight of the Women's Electoral Lobby exhibition was its display of vibrant banners from the Suffrage Banner Project. A sampling of 220 banners, representing milestones in women's history over the past 100 years, were hung in the gallery. Some were worked by women's organisations including refuges, migrant centres and craft groups; others by schools or individuals from both rural and metropolitan areas.

The Fremantle Croatian community then displayed *100 Years of Croatian Migration to Australia* through photographs. Display cases were filled with colourful traditional costumes and other precious objects brought to Fremantle from the homeland. The exhibition formed a major part of the Croatian Cultural Week celebrations in November and was the first time Museum staff have worked with this community.

Fremantle History Museum

In this International Year of Volunteers, and with a major conference in Fremantle involving volunteers from all over the world, Volunteering Western Australia is using the Community Access Gallery to show what volunteers are doing to help in the community, in times of emergency and in caring for the environment. This is another first for the Museum, with photographs and objects being changed monthly to reflect the great diversity of work in which volunteers are involved.

KNOWLEDGE GENERATION

Visitor Services initiated improvements in market research this year. As part of a sponsorship arrangement, the Hides Consulting Group is assisting with the preparation and collation of visitor surveys. Numbers of visitors and their satisfaction with the Museum are being measured.

KNOWLEDGE COMMUNICATION

Exhibition Development Program

Western Australia: Land and People

The major highlight of the year was the completion and opening of *Western Australia: Land and People* after two years of development by project manager Ann Delroy, Head of Social History. This major exhibition brought together curatorial staff of all disciplines in the Western Australian Museum, to exhibit the natural, social and cultural history of the State. It is one of the first exhibitions in Australia to integrate these disciplines.

The skilled Exhibition and Design staff expertly transformed curatorial words into this exciting, colourful and enjoyable exhibition experience. The displays explore themes such as the creation of the land from both the traditional scientific and the Indigenous people's perspective. The traditional relationship of Indigenous people to the land is explored, along with the impact of European colonisation on the land. Environmental and social issues are examined through a combination of static displays, graphics and multimedia.

The Hon. Sheila McHale MLA, Minister for Culture and the Arts, officially opened the exhibition on 23 March 2001. More than 300 people attended the opening, at which Aboriginal elder Ken Colbung

addressed the audience on the special relationship Aboriginal people have with the land.

Visitors to the Museum continue to express their interest and enjoyment of the exhibition. One of the highlights, especially for our younger visitors, is the mighty roaring of the *Carnataurus*, a 5-metre high replica of a dinosaur that most likely roamed the early landscape of Australia.

Woodside Dampier Gallery

The opening of this gallery on 24 July allowed the Western Australian Museum to display the remarkable fauna the curatorial staff have collected and described during the partnership program with Woodside Energy Ltd.

Generous sponsorship from Woodside Energy Ltd has enabled the Museum's marine biology experts to undertake field trips to the Dampier region to collect previously unknown species. The complement of animals portrayed in this gallery shows the amazing diversity of Western Australia's marine life.

Western Australian Museum—Geraldton

The Key Handover Ceremony for the exciting new Museum building, officially opened on 11 July 2000, attracted more than 700 guests. The Deputy Premier, the Hon. HENDY COWAN, set the official proceedings in motion and handed the key to the Hon. Mike Board, Minister for the Arts, who handed it to Dr Ken Michael, Chair of Trustees, who handed it to the Chair of the Geraldton Board, Mr Malcolm Smith. The Western Australian Museum—Geraldton has brought a world-class facility to Geraldton.

During 2000–2001, Murex Consultants researched pivotal aspects of the Mid West Region so as to develop an integrated exhibition of the region's natural, social and cultural history. Planning and development by Exhibition and Design staff of the

Visitor Services

Western Australian Museum saw the opening of the Shipwrecks Gallery component of this exhibition on 1 June 2001.

This occasion introduced the original *Batavia* portico, which had previously been on display at the Western Australian Maritime Museum, Fremantle. Originally bound for a citadel in Batavia (now Jakarta), this portico lay on the ocean bed of the Abrolhos Islands for more than 300 years after the 1629 shipwreck of the *Batavia*, a member of the Dutch East Indies fleet.

The event was also used to display French bottles and coins found on Dirk Hartog Island and donated to the Museum by Philippe Godard, and to award the inaugural Museum Medals for contributions to the Western Australian Museum to Max Cramer, Kim Cramer, John Eckersley, Chris Shine and Tom Bradley.

The Mid West Gallery of this new Museum is currently under development and is planned to open in April 2002.

Baudin: The French Connection

The Western Australian Museum embarked on an ambitious program to develop a touring exhibition about the early French exploration of the Western Australian coastline. Curated by Dr Diana Jones and designed by Fran Sweetman, the exhibition traces the voyage of Captain Nicolas Baudin and acknowledges the significant contribution that this voyage made to knowledge of the natural history of Western Australia. The exhibition contains replicas of the artwork produced on the voyage, and of the actual specimens they represent. It also depicts some of the earliest documentation of the life of the Indigenous people.

This is the first time that the Museum has developed an exhibition to tour regional sites throughout the State.

The exhibition has drawn considerable praise from both the regional and the French communities, and there is interest from interstate and overseas.

Art in Science Exhibition

The Museum was a keen participant in Science Week (4–11 May 2001), and Education Services provided a significant part of the Museum's involvement. Kate Akerman, Education Officer, and Curator John Long developed the *Art in Science Exhibition* in the Hellenic Gallery. In all, 90 works of art were exhibited, involving Museum staff and local artists. Additionally, staff worked with Mariyon Slany, Marketing, in developing, constructing, staffing, setting up and dismantling the Museum exhibition at the Science Week Expo held in Forrest Place during Science Week. The Expo gave us a great opportunity to increase our public exposure and to publicise events and exhibitions at the Museum.

Live Forever

The 'Live Forever' program was launched on 8 May 2001 at the Discovery Centre. This program provides opportunities for individuals and corporations to contribute to the science programs of the Museum and to have a new species of animal named after them.

Olympians/Para-Olympians attended the launch and were involved in a draw to choose the inaugural 'Live Forever' subject. The winner, Noel Robins, will have a species named in his honour.

Travelling and Temporary Exhibitions

Ancient Lives: Greeks, Romans and Etruscans

The Western Australian Museum coordinated the tour of this exhibition to six sites in Australia and New Zealand. The exhibition tour finished at the South Australian Museum in September 2000. During the

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tour and the return of the exhibition to the National Museum of Antiquities at Leiden, in the Netherlands, the Western Australian Museum's Travelling Exhibition Coordinator was responsible for installation, dismantling and transport—a massive task whose execution justifiably received praise from each venue.

BG Wildlife Photographer of the Year

11 August – 2 October 2000
(Temporary Exhibitions Gallery, Perth)

An annual event on the Museum's calendar, this exhibition displayed the winners and selected entries from the 1998 competition. It featured a range of spectacular images of the natural world by photographers from many countries.

Impressions: Australians in Vietnam

11 July – 21 August 2000
(Western Australian Museum, Geraldton)

This exhibition, mounted to celebrate the opening of the new Museum building in Geraldton, portrayed the personal experiences of Australians serving in Vietnam and the war's enduring impact on those people. The region's Vietnam veterans marched through the Geraldton township, arriving at the new Museum to form a guard of honour for the Hon. Hendy Cowan and distinguished guests.

1918: Australians in France

15 November 2000 – 11 February 2001
(Temporary Exhibitions Gallery, Perth)

This exhibition, developed and installed by the Australian War Memorial, depicted the service and experiences of Australians serving in France during World War I. On two days during this exhibition, Western Australians could bring in their own personal war memorabilia to be interpreted by a representative

of the Australian War Memorial. A public lecture was also presented by Peter Burness, Head Curator (Military Heraldry and Technology Section) at the Australian War Memorial in Canberra, on Sunday, 4 February.

Anne Frank: A History for Today

14 March – 20 May 2001
(Temporary Exhibitions Gallery, Perth)

This thought-provoking exhibition, which has been touring for 15 years, was developed by the Anne Frank House in Amsterdam and is toured by the Anne Frank Australian Exhibition Trust. Inspired by the diary of Anne Frank, it seeks to portray the experiences and emotions of a young Jewish girl forced into hiding by the activities of the Nazis. Visitors to the exhibition were assisted by 50 volunteers who provided guided tours. School groups had the chance to attend a presentation by a Holocaust survivor, and many children were deeply moved by the experience. The exhibition aimed to raise visitors' awareness of their individual responsibilities for taking action against racism.

Courage to Care

14 March – 20 May 2001
(Temporary Exhibitions Gallery, Perth)

Displayed in conjunction with *Anne Frank*, this exhibition, developed by the Australian Jewish community, tells of the incredible risks taken by citizens in protecting Jewish people during World War II. During the exhibition, Holocaust survivors, coordinated by the Holocaust Institute of Western Australia, provided insights into their own personal experiences during this sad passage of history.

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Albert Einstein: Man of the Century

1 June – 29 July 2001
(Temporary Exhibitions Gallery, Perth)

This exhibition, developed and sponsored by the Hebrew University in Jerusalem, presented a glimpse into the life and work of Albert Einstein and an opportunity to see reproductions of his personal papers that are usually housed at the Jewish National and University Library in Jerusalem. The exhibition looked at Einstein's mythic status as a universal cultural icon, including his correspondence with children from all around the world.

Forging the Nation: Federation—The First Twenty Years

29 June – 10 July 2001
(Western Australian Museum—Kalgoorlie-Boulder)

To commemorate the Centenary of Federation, the Australian War Memorial developed this travelling exhibition, which displays the role Australian defence forces have played in the history of the nation.

Baudin: The French Connection

2 June – 1 July 2001
(Busselton Jetty Interpretive Centre)

To local and political acclaim, this exhibition, developed and designed by Western Australian Museum staff, began its State-wide tour at the new Busselton Jetty Interpretive Centre. It has been a very popular exhibit, and the centre management is keen to house components of the exhibition when it completes its national and international tour in 2002.

Community Access Program

I Stimuli

21–30 July 2000
(Hellenic Gallery, Perth)

This photographic exhibition showcased the work of graduate students of the WA School of Art, Design and Multimedia at Mt Lawley.

Seniors Week

29 October – 5 November 2000
(Perth)

This special week was marked by a three-day exhibition of art and craft produced by the Older Women's Network, whose choir treated visitors to a few of its original songs at the opening. A number of Visitor Services officers were trained to undertake special heritage tours of the Museum's Perth site for seniors during this week.

Young Originals

1–31 October 2000
(Hellenic Gallery, Perth)

The Education Department once again staged *Young Originals*, an exhibition of student artworks selected from the Premier's Quest for Excellence Awards.

Ngarra: Images of his Country

1 November 2000 – 4 January 2001
(Katta Djinoong, Perth)

This exhibition featured a series of sketches and mixed-media paintings by the Aboriginal artist Ngarra.

Awesome Children's Festival

November 2000
(Meagher Courtyard, Perth)

The Matrix (outdoor gallery) proved to be one of the most popular exhibits for the Awesome Festival this

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year, and approximately 3,000 visitors were shown through during the festival.

Frog Friendly Day

Sunday, 19 November 2000
(Meagher Courtyard, Perth)

Alcoa is partnering the Museum in a community awareness program about frogs and the disease that currently threatens their survival. To launch this sponsorship by Alcoa, a Frog Friendly Day was held, in which Museum staff and community groups provided entertainment, activities and information about frogs and the environments that support them.

Survival

5 January – 28 February 2001
(Hellenic Gallery, Perth)

Survival, a photographic exhibition presented by the Coalition of Peoples, honours the contribution made by Aboriginal men, women and children to the social, cultural and economic wealth of Australia. The Coalition of Peoples was partnered by the Library and Information Service of Western Australia in creating this testimonial to those Aboriginal people who have lived through and survived times of great tragedy in Australian history. The exhibition was supported by artworks from Aboriginal artists throughout Western Australia.

Dwelling Place/Mia Mia

26 January – 18 February 2001
(Hackett Hall Foyer, Perth)

Dwelling Place/Mia Mia was a mixed-media installation re-creating the dwelling place where Valerie Takao Binder lived as a child before her removal to New Norcia and Mogumber missions. This installation was a co-presentation of PIAF and the Western Australian Museum.

Education Programs

The Museum's Education Section is the major centre of learning about the State's cultural and natural heritage. Its work includes reviewing existing programs; expanding and improving services to schools and the community; and the development of new resource materials, programs and professional development opportunities for schools.

The opening of *Western Australia: Land and People* provided schools with expanded opportunities to learn about the heritage of their State. Two new education kits have been prepared for primary and secondary schools linking the Curriculum Framework to the contents of the exhibition. These kits illustrate how a visit to the Museum allows classroom teachers to cover aspects of their curriculum.

Professional development courses to familiarise teachers with Museum displays and their links to classroom-based learning have been implemented. Education and Discovery Centre staff, in partnership with other government agencies, also provided professional development for teachers at Rottne Island during Sea Week.

The Education Section worked closely with the project manager of the *Anne Frank* and *Courage to Care* exhibitions, promoting these exhibitions to schools and providing a booking service for groups wishing to attend.

The Education Section assisted the Primary Extension and Challenge (PEAC) program in the development of a museum-based course called 'Museum "Arty" Fact'. The program's potential high achievers researched and designed their own thematic displays, which were then displayed in the Francis Street Foyer. Following its success, this course is likely to be repeated with other PEAC groups.

The Education Section coordinated a tour guide training program for Visitor Services officers and it is

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planned to develop and conduct guided tours during 2001–2002.

Two Education staff undertook training to develop a comprehensive and attractive web site. The structure of the site has been developed and the site will be operational during 2001–2002. The site will provide teachers with resource notes, information sheets, and details on what the Western Australian Museum can offer schools.

During the year, the Education Section continued the very popular school holiday program, including special activities for Museum events such as the Frog Friendly Day.

Discovery Centre

The Discovery Centre has continued to assist visitors and school groups wishing to research special topics. The centre is popular with schools, particularly because of its activities designed to achieve the outcomes of the Curriculum Frameworks 'Working Scientifically' section.

The centre also supports the travelling exhibitions program by making available books, videos, CDs and other materials on relevant topics.

In support of the Museum's Alcoa FrogWAtch program, live displays of frogs are exhibited and are of considerable interest to visitors to the centre.

Venue for Functions

The Museum continues to be a popular venue for functions. Groups who hired the Museum for functions throughout the year included the Ministry for Housing, the Geological Society, the McCusker Foundation, the Academy of Advanced Technology, the Western Australian Commission of Social Services, HLB Mann Judd and Methodist Ladies College. The Habitus 2000 Conference (150 delegates) was also held at the Museum.

Special Events

The following special events were features of the year under review:

- The Hon. Mike Board officially launched the Woodside Dampier Marine Biological Workshop in the new entrance foyer on Monday, 24 July 2000. The workshop's 140 guests were also able to view the refurbished Woodside Gallery.
- The Robert Drewe Lecture, 5 October 2000, was a great success, with approximately 180 people attending. The Museum's partnership with UWA in promoting and staging such events will continue, and negotiations are under way for the next lecture.
- PIAF's inaugural Grapevine Directors Club completed its residency at the Museum on 19 February 2001. PIAF has expressed interest in involving the Western Australian Museum in the 2002 Festival.
- The Hon. Mike Board presented a cheque to the Friends of the Western Australian Museum for the *Western Australia: Land and People* exhibition on Wednesday, 20 September 2000.

Marketing and Media

A major achievement over the past year has been the development of a new logo for the Western Australian Museum. This logo is now being used across all Museum sites, each of which has its own particular colour and icon. The commonality of each logo assists in the identification of the Museum as being not only the Perth site but an incorporated Museum comprising also the two Fremantle museums and the three regional museums.

Tracks, the Museum's magazine, continues to be a major marketing tool, well used by both the media and Museum visitors. Continued improvements in its presentation by each editor have resulted in a standard layout for future issues.

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Preliminary work on a series of promotional brochures has been undertaken, for production in 2001–2002. These brochures will reinforce the 'branding' and colours of each of the sites, and each brochure is designed to cross-promote all Museum sites.

Travelling exhibitions, school holiday programs and Discovery Centre activities were advertised in the media throughout the year. Media releases resulted in numerous articles on the work of the curatorial staff, as well as behind-the-scenes articles on exhibitions and activities at the Museum.

The journey to Cowes by *Australia II* and its planned return to the Western Australian Maritime Museum have gathered plenty of media attention. The Museum's national profile was also raised when curators took part in a debate on Radio National's arts program.

A special media preview opportunity just prior to the opening of *Western Australia: Land and People* resulted in good press coverage to coincide with the opening of this major exhibition.

A restructure of the marketing team for 2001–2002 will provide additional media support for the Museum, together with improved support for functions, events and venue-hire activities.

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COLLECTIONS MANAGEMENT

Maggie Myers has coordinated her team of volunteers, which includes Roy Chilvers, Mark Barrett, Sue Lever, Clare MacFarlane, Don Tulloch, Genevieve Konig, Jason Self and Reg Couston, in working through thousands of objects at A-Shed. Roy has become skilled in cleaning, repairing and boxing model boats, while Mark has done sterling work on the sometimes obnoxious artefacts from the *Pary Endeavour*—more than 300 lots of various provisions.

The diverse and often bizarre maritime history collection includes nine boat models, shadow puppets, *baibui*, prayer mats, tool sets and diverse clothing, all of which have been conserved and the data incorporated onto what will become a publicly accessible database. More than 2,600 objects required for the new maritime exhibitions have been assessed and estimates developed for the task of preparing them. A reallocation of funds will permit the employment of contract conservators to address this huge workload.

Carmela Corvaia was instrumental in ensuring that the *Batavia* portico was safely dismantled by Geoff Kimpton and Jon Carpenter and that the stones were not damaged during the complex task of making latex and fibreglass resin moulds of the individual pieces, in order that high-density polyurethane moulds could be produced. The original steel work and stones have been re-erected in the new Western Australian Museum—Geraldton and the completed work was opened on 1 June by Philip Pandal MLA, chairman of the Parliamentary Inquiry into Ancient Shipwrecks. All members of the reproduction team are to be congratulated. The replica stones are being custom painted by former Western Australian Museum preparator Jamie Stuart.

The continued secondment of conservator Kent Jarman as Safety Officer and the removal of major fire hazards have improved the safety of the

collections, and staff, in the Francis Street and Jubilee Buildings. Kent's position has been filled temporarily by our former Estonian conservator volunteer Kalle Kasi. Kalle's previous experience in collections management in his homeland has proven to be of invaluable assistance to the Museum.

A large collection of archaeological leather has been freeze dried by Maggie Myers and Ian Godfrey and is now available for exhibition and research projects. Maggie Myers prepared a series of custom-made boxes for the *Batavia* skulls so that they could be sent to external agencies for forensic pathological studies without any risk to the delicate bone structures.

Maggie Myers has made a major contribution to the preventive care of the maritime history collection. A direct outcome of her attendance at the International Institute for Conservation of Historic and Artistic Works (IIC) conference in Melbourne was the development of *Conservation Criteria for Displays*, which has become incorporated into exhibition planning by Tim Eastwood, the new head of Exhibition and Design.

Ian Godfrey continues to monitor the Museum environment at all sites to ensure we have the best knowledge of key parameters of temperature and relative humidity to which our collection is exposed. Conservation plans have been provided to the Geraldton Historical Society Inc., the Geraldton City RSL Sub Branch, Fremantle Prison and Swan Cottage Homes Inc., with recommendations for the care of specific artefacts in their collections.

The most significant achievement of this year was the repainting and recommissioning of the submarine HMAS *Ovens* for 'active service'. To convert an outwardly rusting 1,500 tonne steel tube into the sleek, black and impressive giant vessel lying up on the old World War II slipway by the new Maritime Museum was a major accomplishment. Nikki King Smith and Norm O'Neil slaved for months to cover

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the site with a hessian shrouded scaffolding that allowed a full 2.2 class sand blast to remove all the rust and the old damaged paint layers. As the surfaces were cleaned back, three layers of paint, supplied by JOTUN Australia Pty Ltd as part of a major sponsorship, were applied to the submarine. The special paint, designed for the offshore oil and gas industry, will facilitate future maintenance with little surface preparation.

The second preventive conservation milestone was the installation of two air-conditioning plants in the submarine: one servicing the aft end; the second inconspicuously fitted into an underfloor tank in the auxiliary machinery space. The use of the existing ductwork means that although the ship's ventilation has been improved, the visitor experiences the airflow as it was originally designed.

The Museum library manages an increasingly significant collection of books, journals, magazines and electronic data. The addition of 646 fully catalogued monologues included a valuable donation of 100 earth science books presented by Professor Peter Harris. Management of the 2,278 journal issues provides a continuing challenge, which is partly met with the assistance of Technical and Further Education student librarians volunteering their time. The costs of providing this collection to staff is largely offset through the worldwide exchange of copies of the *Records of the Western Australian Museum* and its Supplements, and the *Journal of the Royal Society of Western Australia*. Margaret Triffitt also manages the valuable research library of the Royal Society, which is combined with the Museum library.

Space provided on the upper floor of Hackett Hall, utilising the shelving of the old State Library, enabled the storage of many back issues of journals that had been boxed and labelled with the help of volunteers, who contributed more than 1,500 hours during the year.

KNOWLEDGE GENERATION

Jon Carpenter and Ian MacLeod have developed a program of analysis for residual chloride salts in extensively corroded iron objects. Maggie Myers applied this program to the treatment of dozens of degraded tins of powdered milk recovered from Jon Sanders's vessel *Parry Endeavour*, which became drenched with seawater when it pitch-poled several times during his famous triple-circumnavigation of the world. Retention of the pristine tin-coated interior, the original aluminium foil seals and the degraded paper labels provided a major conservation challenge. Carmela Corvaia has also applied the method as part of reporting on the condition of artefacts from the maritime history collection, prior to them being considered for inclusion into the final exhibitions on fishing and leisure activities.

Vicki Richards completed the first detailed study of the chemical and physical microenvironment of the *James Matthews* wreck in Cockburn Sound, which has revealed the extent of degradation of the timbers, the impact of the shell dredging operations and the overall impact of the wreck on the local chemical and microbiological microenvironment.

Ian Godfrey and Vicki Richards, with the assistance of postgraduate student Kieryn Kilminster, completed a research project that established the impact of deacidification treatments on the *Batavia* timbers. This ground-breaking work had been initiated with former intern Emily Williams, and the results were of such international significance that both Ian and Vicki were invited to attend a crisis meeting in Stockholm regarding problems with the *Wasa*, which sank just one year before the *Batavia*. This preliminary contact was followed up with a subsequent visit to an international conservation conference at which they presented six papers (with co-author Kalle Kasi a principal collaborator in several)—a demonstration of the pre-eminent position of the Western Australian

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Museum in the field of conservation of shipwreck materials. These papers were the culmination of more than ten years of applied research.

The Museum library provides a major facility through the generation of specialist Internet searches and the provision of specialist research bibliographies. With input from volunteers, the indexing of more than 900 journal articles assisted with knowledge generation from the collection.

KNOWLEDGE COMMUNICATION

Conservators continued to promote the research outcomes of the Department of Materials Conservation through dozens of public talks to community groups such as the Flying Angel Club and service clubs throughout the State and in several overseas locations. Jon Carpenter and Vicki Richards presented a series of lectures and workshops at a Summer School in Albany, with topics ranging from field conservation on the HMS *Pandora* to work on the wreck of HMS *Bounty* on Pitcairn Island. They also contributed to professional development programs for the National Accreditation System for commercial divers. Jon undertook a one-month program setting up a shipwreck conservation laboratory in Trinidad-Tobago and developed a conservation photographic archive on the *City of Launceston* in Port Phillip Bay during periods of annual leave.

Team members continued to support the work of Richard Garcia, Manager of Technological Conservation, in conservation work on the car and vehicle collection and on contract conservation jobs such as assessment of the state of deterioration of key industrial sites associated with the pipeline from Mundaring to Kalgoorlie-Boulder.

An integral part of current best practice in condition reporting incorporates digital videotaping of the items

under consideration. Edited video clips of the restored Packard limousine, the Detroit Electric Car and the 1927 Rolls Royce will be available for car enthusiasts as part of the Western Australian Museum web site redevelopment.

Maggie Myers assisted in the presentation of 'Conservation Ethics' in the Museum Assistance Program (MAP) curators' course and trained Fremantle History Museum attendants in the maintenance of the artefacts displayed in Samson House. Maggie also assisted in the development and presentation of a Lime and Limestone Conservation workshop and 'Caring for Indigenous Art'.

Ian MacLeod and Ian Godfrey presented two one-day Preventive Conservation workshops to students enrolled in the ECU–Western Australian Museum Certificate in Museum Studies course.

Ulrike Broeze-Hörnemann's treatment of an original letter by Albert Einstein written in German to La Guardia, the Mayor of New York, ensured that it was a key local piece for a travelling exhibition on Einstein. The conservation work involved careful removal of the sticky tape, cleaning, humidification and the application of a backing and storage mount. The story formed the basis for a popular article in the Museum's magazine, *Tracks*.

Ian MacLeod presented a paper at the 50th anniversary conference of the IIC in Melbourne, which demonstrated the devastating impact of mineral impurities in the copper fastenings used in the construction of the *James Matthews*.

Many staff members in Materials Conservation continued to share their understanding of decay in collections and the collapse of shipwrecks with students and the public around the State and at the Murdoch University Science Summer School.

Museum Services

Our dedicated librarians processed 588 staff-generated inter-library loan requests from sources both within Australia and overseas. The significance of our library collection to the wider community was demonstrated by the receipt of 222 requests from other libraries. Email services providing regular subject alerts and table of contents pages were organised for staff through the British Library's Inside Web and through the United States based UnCover. All new acquisitions were listed in a widely disseminated quarterly list, while new monographs and journal titles were added to holdings on *Kinetica*, the National Bibliographic Database, subscribed to by most major Australian libraries. A CD-ROM of the combined databases of the Museum and Royal Society libraries was produced every four months, distributed to the Museum's branches, and sold to libraries and individuals outside the Museum.

MAP provides the 251 community-based museums around Western Australia with one of the world's finest services in the provision of specialist knowledge about how best to manage and interpret their collections. Since these museums house many items of great significance to the State and to the nation as a whole, the program plays a major role in promoting excellence in collection care.

Greg Wallace, Roz Brown and Janice Frater conduct training workshops, undertake regional field visits, and are regularly called upon by external agencies, such as the Commonwealth Department of Communications and Information Technology and the Arts, to provide specialist consultancies on heritage management issues at locations such as Christmas Island and Timor. The team has been given the responsibility of organising the next national conference on Regional and Remote Museums at the Western Australian Museum–Kalgoorlie-Boulder.

In collaboration with Curtin University's Research Institute for Cultural Heritage, MAP conducted a four-

day Introduction to Museums course, for people working in or with community museums from all over Western Australia. As part of the unit's wider community-networking focus, Roz Brown coordinated the *Anne Frank: A History for Today* exhibition, which promoted the Museum's role in reconciliation.

Business Management and Development

The Business Management and Development group provides the services and systems that allow the Museum to achieve its core objectives.

ACTIVITIES

Activities of Business Management and Development include:

- risk management
- financial management
- human resource management
- property and security services
- information technology
- publications
- imaging and new media services
- records management
- Perth site bookshop

Risk Management

Risk management has been a major focus in 2000–2001. An officer was seconded to work full time on occupational health and safety issues. A fire safety audit was undertaken at the Perth site, and many of the recommendations have been implemented. The removal of some 700 specimen drums containing ethanol to off-site storage has addressed a major flammable goods hazard and improved storage facilities for those specimens required on a more frequent basis. All staff at the Perth site have received training in emergency procedures and relevant staff have been trained in chemicals handling.

The issue of limpet asbestos in the Francis Street Building is much more difficult to resolve without major capital expenditure. The asbestos problem is being considered in conjunction with the overall development of the Perth site, and a master plan and business case are being developed.

Financial Management

Budgeting and financial reporting within the Western Australian Museum have been reviewed and reorganised with the assistance of senior finance staff of the Ministry for Culture & the Arts. This has resulted in the production of more informative monthly reports and a comprehensive approach to the annual operating budget.

Human Resource Management

Human resource management policies and procedures are in the process of being reviewed and made more effective. This project commenced with the secondment in February of a staff member from the Ministry for Culture & the Arts Human Resource Unit.

Information Technology

The Western Australian Museum intranet was launched at the end of June 2001 and will enhance communication within the Perth site and between branches. An initial review was undertaken for a major upgrade of the Western Australian Museum web site. The new web site will be a significant project for 2001–2002.

Publications

Work is under way on *Freshwater Fishes of Australia*, a joint publishing project with CSIRO Publishing. Written by former curator Dr Gerald Allen, in conjunction with his son Mark and Hamar Midgley, the book is a result of many months' travel and research documenting the freshwater fishes of Australia.

Three books have been produced for the Museum's site in Albany: *My Albany—Memories and Stories* by local historian and writer John A. Genoni, *Albany Who and What* by former ABC reporter Les Johnson,

Business Management and Development

and *An Albany Walk Downhill* written and illustrated by former journalist Keith Murray. The Publications Department also produced brochures and flyers for the successful display *Salute the Horse*, organised by the Western Australian Museum–Albany as part of the Anzac Day commemorations.

The department produced two editions of *Frog Friendly Gardens* by Alcoa FrogWatch coordinator, curator Ken Aplin, Anthea Paino and Lyndal Sleep, as well as information and recording sheets for the Alcoa FrogWatch program.

It was a very busy year for the department, with the production of five substantial Supplements to the *Records of the Western Australian Museum*:

- Supplement 58, 'Mid-Palaeozoic Biota and Biogeography', edited by R. Mawson, J. Talent and Museum curator John Long: 28 papers from the International Geological Program workshop held in Iran.
- Supplement 59, 'Survey of the Marine Fauna of the Montebello Islands, Western Australia, and Christmas Island, Indian Ocean', edited by curators Patrick Berry and Fred Wells.
- Supplement 60, 'Western Australian Stygobiont Amphipods (Crustacea: Paramelitidae) from the Mt Newman and Millstream Regions', by J. H. Bradbury of the University of South Australia.
- Supplement 61, a joint publication with CALM, 'Biodiversity of the Southern Carnarvon Basin': comprising 19 papers and running to nearly 600 pages.
- Supplement 62, 'A Revision of the Gobiid Fish Genus *Mugilogobius* (Teleostei: Gobioidae) and its Systematic Placement', by Helen Larson of the Northern Territory Museum: includes 216 plates.

The department continued to publish the *Records of the Western Australian Museum*, as well as producing the *Records of the South Australian Museum* and the *Journal of the Royal Society*.

With the introduction of a new logo for the Museum and sites, the department produced most of the Museum's print requirements, involving fourteen interpretations of the logo.

CODE OF CONDUCT

The Ministry for Culture & the Arts' Code of Conduct has been distributed throughout the Western Australian Museum and forms part of all new employees' induction. The Code of Conduct is currently being updated by the Ministry for Culture & the Arts.

FREEDOM OF INFORMATION

The Western Australian Museum received no freedom of information requests during the year.

CUSTOMER FOCUS

The Western Australian Museum, as part of a sponsorship from Hides Consulting, has instigated an audience research program. This ongoing program will accurately assess visitor satisfaction and be part of a quality improvement program for visitor experiences.

Focus group sessions organised by Hides Consulting with a variety of target markets were used to guide the development of exhibits and themes for the new Maritime Museum.

The reception desk was moved towards the back of the new entrance foyer to provide a more welcoming appearance for visitors. This has also maximised the space available for organisations wishing to hold functions at the Museum.

Business Management and Development

PUBLIC SECTOR STANDARDS

Staff of the Western Australian Museum are employees of the Director General of the Ministry for Culture & the Arts. The Executive Director of the Western Australian Museum has delegated authority in respect to employment.

The Ministry for Culture & the Arts advises on compliance with standards for recruitment, selection, transfer, secondment, redeployment, termination, discipline, temporary deployment and grievance resolution.

The administration of the Western Australian Museum has complied with the Public Sector Standards in Human Resource Management, the Western Australian Public Sector Code of Ethics and the Ministry for Culture & the Arts' Code of Conduct.

The Ministry for Culture & the Arts has worked closely with the Western Australian Museum to review and clarify the procedures in relation to classification and submissions for reclassification of positions.

There were no applications made in regard to breach of standards during the year.

DISABILITY SERVICES PLAN

The lift incorporated in the new entrance foyer provides access for visitors with disabilities to the new *Western Australia: Land and People* exhibition.

The Western Australian Museum continues to implement its Disabled Services Plan by ensuring that the designs of the new museums—Geraldton and Maritime—address issues of disabled access.

Feedback on the accessibility of galleries at the Perth site is well illustrated by the following unsolicited email:

On Monday, 11th June this week, my little girl and I visited the museum just after lunch. I am in a wheelchair and she is only four. We had a fabulous time there and ended up staying for about four hours. The whole building was very wheelchair friendly and I had no trouble at all looking at all the displays and found no cluttered or cramped places where I couldn't turn around.

THE STAFF WERE WONDERFUL!!!! Very helpful and knew what they were talking about. It's great to find places and people that are very professional. I hope you can find out which staff were on at that time and give them a big thank you from me and my daughter, Tayla.

See you again. . .

Yours sincerely

[name suppressed]

The Western Australian Museum continues to provide services and programs for children and adults with visual or auditory disabilities. Such programs are provided via a booking service.

YOUTH INITIATIVES

The Museum remains committed to initiatives under the State Government's Plan for Young People 2000 – 2003. Young people are the primary focus of the newly restructured Education and Learning Department of the Museum with a wide range of services to schools and individuals. Exhibitions are structured to allow access by people of all ages.

Business Management and Development

Workers Compensation Performance

	2000–2001	1999–2000
Lost time– injury/disease (LT/D) claims	30.7	2.69
Frequency rate	8.38	9.94
Estimated cost of claims per \$100 of wage roll	\$0.7776	\$0.1625
Premium rate	0.67%	1.13%
Rehabilitation success rate	N/A	N/A

EMPLOYMENT SUMMARY OF THE ORGANISATION 2000/2001

Employment Type	Total	Women	Men
Permanent Full-time	109	55	54
Permanent Part-time	43	31	12
Fixed Term Full-time	17	5	12
Fixed Term Part-time	8	4	4
Casual [people paid in the last pay in June]	36	26	10
Other	0	0	0
Total	213	121	92
Salary Range (\$) (Permanent and fixed term employees only)			
0 - 33,556	69	45	24
33,557 - 38,577	27	19	8
38,578 - 43,431	29	14	15
43,432 - 47,604	6	2	4
47,605 - 55,376	15	7	8
55,377 - 64,567	15	6	9
64,568 - 72,824	10	1	9
72,825 - 83,586	5	1	4
83,587 - 94,798	0	0	0
greater than 94,798	1	0	1
Total	177	95	82

Equity index (Woman) for 2000–2001 is 42.

Business Management and Development

TREASURER'S INSTRUCTION 903

Expenditure related to Advertising and Market Research Organisations

In accordance with Section 175ZE of the Electoral Act 1907 expenditure by the WA Museum on advertising and related costs is listed below

a) Advertising Agencies	\$ 165.60	Pacific Access Pty Ltd
	\$ 175.00	VideoWall Communications
	\$ 3,595.00	Visitor Guide Australia Pty Ltd
Total Advertising agencies	\$ 3,935.60	
b) Market research organisations	Nil	
c) Polling organisations	Nil	
d) Direct mail organisations	Nil	
e) Media advertising agencies		
Job vacancies	\$ 14,778.06	Marketforce Productions
	\$ 3,825.00	Department of Premier and Cabinet
Other	\$ 470.00	AAA Tourism Pty Ltd
	\$ 2,615.03	Albany Advertiser Pty Ltd
	\$ 50.00	Alken Colour Media
	\$ 350.00	Andimaps
	\$ 1,401.36	Aussie Drawcards Pty Ltd
	\$ 523.18	Australian Travel Directory
	\$ 550.00	Business Key
	\$ 1,174.01	Community Newspaper Group
	\$ 816.00	Concept Media
	\$ 815.00	Cooks Tours
	\$ 268.18	Emergency Service Publishing
	\$ 863.64	Final Print Pty Ltd
	\$ 650.00	Fit Marketing
	\$ 630.00	Fremantle Tourist Bureau
	\$ 397.18	Geraldton Newspapers Lid
	\$ 50.00	Goldfields Tourism Association
	\$ 3,634.03	Hocking & Co Pty Ltd
	\$ 1,050.00	Hoptscotch Pty Ltd
	\$ 836.36	Jorbens Luxury Hotel Guide
	\$ 1,830.00	Laso Media Pty Ltd
	\$ 11,979.38	Media Decisions WA
	\$ 285.94	Media Monitors
	\$ 395.00	Metropolitan Service & Supply directory
	\$ 98.00	Mid West Times
	\$ 495.00	Public Information Services
	\$ 2,699.55	Radio West Network
	\$ 295.00	Regional Commerce Directory
	\$ 379.02	Roy Western Geraldton
	\$ 2,828.44	Sunday Times
	\$ 1,250.00	The Fremantle Book
	\$ 454.55	Fremantle Chamber of Commerce
	\$ 287.27	The Golden Mail
	\$ 1,232.73	Tourist Vision
	\$ 559.09	Travellers Information Radio
	\$ 350.00	Universal Press Pty Ltd
	\$ 5,000.00	WA Tourism Commission
	\$ 1,551.57	Weekender
	\$ 130.20	West Australian Newspapers
Total Media Advertising	\$ 67,847.77	

PART 3

Compliance Requirements

Accounts and Financial Statements



AUDITOR GENERAL

To the Parliament of Western Australia

THE WESTERN AUSTRALIAN MUSEUM FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2001

Scope

I have audited the accounts and financial statements of The Western Australian Museum for the year ended June 30, 2001 under the provisions of the Financial Administration and Audit Act 1985.

The Board of Trustees is responsible for keeping proper accounts and maintaining adequate systems of internal control, preparing and presenting the financial statements, and complying with the Act and other relevant written law. The primary responsibility for the detection, investigation and prevention of irregularities rests with the Board of Trustees.

My audit was performed in accordance with section 79 of the Act to form an opinion based on a reasonable level of assurance. The audit procedures included examining, on a test basis, the controls exercised by the Museum to ensure financial regularity in accordance with legislative provisions, evidence to provide reasonable assurance that the amounts and other disclosures in the financial statements are free of material misstatement and the evaluation of accounting policies and significant accounting estimates. These procedures have been undertaken to form an opinion as to whether, in all material respects, the financial statements are presented fairly in accordance with Accounting Standards, other mandatory professional reporting requirements and the Treasurer's Instructions so as to present a view which is consistent with my understanding of the Museum's financial position, the results of its operations and its cash flows.

The audit opinion expressed below has been formed on the above basis.

Audit Opinion

In my opinion,

- (i) the controls exercised by The Western Australian Museum provide reasonable assurance that the receipt, expenditure and investment of moneys and the acquisition and disposal of property and the incurring of liabilities have been in accordance with legislative provisions; and
- (ii) the Statement of Financial Performance, Statement of Financial Position, Statement of Cash Flows and the Notes to and forming part of the financial statements are based on proper accounts and present fairly in accordance with applicable Accounting Standards, other mandatory professional reporting requirements and the Treasurer's Instructions, the financial position of the Museum at June 30, 2001 and the results of its operations and its cash flows for the year then ended.

A handwritten signature in black ink, appearing to read 'K O'Neil'.


K O'NEIL
ACTING AUDITOR GENERAL
November 30, 2001

Accounts and Financial Statements

THE WESTERN AUSTRALIAN MUSEUM CERTIFICATION OF FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 JUNE 2001

The accompanying financial statements of the Western Australian Museum have been prepared in compliance with the provisions of the *Financial Administration and Audit Act 1985* from proper accounts and records to present fairly the financial transactions for the financial year ending 30 June 2001 and the financial position as at 30 June 2001.

At the date of signing we are not aware of any circumstances which would render any particulars included in the financial statements misleading or inaccurate.



TRUSTEE

DATE: 29/8/2001



TRUSTEE

DATE: 29/8/2001



PRINCIPAL ACCOUNTING OFFICER

DATE: 29/8/2001

Accounts and Financial Statements

STATEMENT OF FINANCIAL PERFORMANCE FOR THE YEAR ENDED 30 JUNE 2001

	Note	2001 \$000	2000 \$000
COST OF SERVICES			
Expenses from ordinary activities			
Employee expenses	2	8,408	8,278
Supplies and services	3	3,684	2,603
Depreciation expense	4	952	836
Administration expenses	5	1,595	1,504
Accommodation expenses	6	864	1,063
Other expenses from ordinary activities		25	38
Total cost of services		15,528	14,322
Revenues from ordinary activities			
User fees and charges	7	298	1,051
Trading profit	8	470	451
Commonwealth grants and contributions		165	277
State grants		664	1,474
Other grants and contributions non-government		312	307
Donations and sponsorship		394	359
Interest revenue		309	174
Other revenues from ordinary activities		187	291
Total revenues from ordinary activities		2,799	4,384
NET COST OF SERVICES		12,729	9,938
REVENUES FROM GOVERNMENT			
Appropriations		5,214	4,610
Resources received free of charge		7,180	6,380
Total revenues from Government	9	12,394	10,990
CHANGE IN NET ASSETS		(335)	1,052
Net increase/(decrease) in asset revaluation reserve	15	9,680	0
Total revenues, expenses and valuation adjustments recognised directly in equity		9,680	0
TOTAL CHANGES IN EQUITY OTHER THAN THOSE RESULTING FROM TRANSACTIONS WITH OWNERS AS OWNERS		9,345	1,052

The Statement of Financial Performance should be read
in conjunction with the accompanying notes.

Accounts and Financial Statements

STATEMENT OF FINANCIAL POSITION AS AT 30 JUNE 2001

	Note	2001 \$000	2000 \$000
Current Assets			
Cash assets	16	2,076	2,777
Restricted cash assets	10	1,712	1,616
Inventories	11	604	537
Receivables	12	672	813
Accrued salaries reserve	13	110	110
Prepayments		12	12
Accrued income		33	18
Total Current Assets		5,219	5,883
Non-Current Assets			
Property, plant, equipment and vehicles	14	44,006	34,235
Total Non-Current Assets		44,006	34,235
Total Assets		49,225	40,118
Current Liabilities			
Payables		168	230
Accrued Salaries		0	176
Total Current Liabilities		168	406
Total Liabilities		168	406
NET ASSETS		49,057	39,712
Equity			
Asset Revaluation Reserve	15	18,558	8,878
Accumulated surplus/(deficiency)	15	30,499	30,834
TOTAL EQUITY		49,057	39,712

The Statement of Financial Position should be read in conjunction with the accompanying notes.

Accounts and Financial Statements

STATEMENT OF CASH FLOWS FOR THE YEAR ENDED 30 JUNE 2001

	Note	2001 \$000	2000 \$000
CASH FLOWS FROM GOVERNMENT			
Recurrent appropriations		3,604	2,928
Capital appropriations		1,610	1,682
Net cash provided by Government		5,214	4,610
Utilised as follows:			
CASH FLOWS FROM OPERATING ACTIVITIES			
Payments			
Employee costs		(1,333)	(2,161)
Supplies and services		(3,638)	(2,558)
Administration		(1,613)	(1,555)
Accommodation		(895)	(1,359)
Other expenses		8	(18)
GST payments on purchases		(687)	0
Receipts			
User fees and charges		344	891
Trading profit		389	393
Commonwealth grants and contributions		223	217
State grants		769	1,430
Other grants and contributions non-government		323	288
Interest received		294	185
Donations/sponsorship		394	361
Other receipts		98	268
GST receipts on sales		236	0
GST received from taxation authority		364	0
Net cash provided by/(used in) operating activities	16	(4,724)	(3,618)
CASH FLOWS FROM INVESTING ACTIVITIES			
Proceeds from sale of non-current physical assets			
Purchase of non-current physical assets		(1,095)	(736)
Net cash provided by/(used in) investing activities		(1,095)	(736)
Net increase/(decrease) in cash held		(605)	256
Cash assets at the beginning of the financial year		4,393	4,137
CASH ASSETS AT THE END OF THE FINANCIAL YEAR		3,788	4,393

The Statement of Cash Flows should be read
in conjunction with the accompanying notes.

Accounts and Financial Statements

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 JUNE 2001

1. Significant accounting policies

The following accounting policies have been adopted in the preparation of the financial statements. Unless otherwise stated these policies are consistent with those adopted in the previous year.

General Statement

The financial statements constitute a general purpose financial report which has been prepared in accordance with Australian Accounting Standards and Urgent Issues Group (UIG) Consensus Views as applied by the Treasurer's Instructions. Several of these are modified by the Treasurer's Instructions to vary application, disclosure, format and wording. The Financial Administration and Audit Act and the Treasurer's Instructions are legislative provisions governing the preparation of financial statements and take precedence over Australian Accounting Standards and UIG Consensus Views. The modifications are intended to fulfil the requirements of general application to the public sector together with the need for greater disclosure and also to satisfy accountability requirements.

If any such modification has a material or significant financial effect upon the reported results, details of that modification and where practicable, the resulting financial effect, are disclosed in individual notes to these financial statements.

The statements have been prepared on the accrual basis of accounting using the historical cost convention, with the exception of certain non-current assets which subsequent to initial recognition, have been measured on the fair value basis in accordance with the option under AAS 38(5.1).

(a) Grants and Other Contributions Revenue

Grants, donations, gifts and other non-reciprocal contributions are recognised as revenue when the Authority obtains control over the assets comprising the contributions. Control is normally obtained upon their receipt.

Contributions are recognised at their fair value. Contributions of services are only recognised when a fair value can be reliably determined and the services would be purchased if not donated.

(b) Revaluation of Land and Buildings

The WA Museum has a policy of valuing land, buildings and infrastructure at fair value. The annual revaluations of the WA Museum's land and buildings undertaken by the Valuer General's Office for the Government Property Register are recognised in the financial statements. The transitional provisions in AAS 38 (10.9)(b) have been applied to infrastructure assets. (See notes 14).

(c) Depreciation of Non-Current Assets

All non-current assets having a limited useful life are systematically depreciated over their useful lives in a manner that reflects the consumption of their future economic benefits.

Depreciation is provided for on a straight line basis, using the following rates, which are reviewed annually:

Buildings	2%
Computer Equipment	20%
Furniture & Fittings	7.5% and 10%
Scientific Equipment	10%
Transport	11%

Accounts and Financial Statements

NOTES CONTINUED

Equipment	10%
Motor vehicles	25%

Depreciation for capital works in progress is provided for upon completion.

(d) Leased Assets

The WA Museum has entered into a number of operating lease arrangements for motor vehicles where the lessor effectively retains all of the risks and benefits incident to ownership of the items held under the operating leases. Equal instalments of the lease payments are charged to the Statement of Financial Performance over the lease term, as this is representative of the pattern of benefits to be derived from the leased property.

(e) Superannuation

Staff may contribute to the Superannuation and Family Benefits Act Scheme, a defined benefits pension scheme now closed to new members, or to the Gold State Superannuation Scheme, a defined benefit lump sum scheme now also closed to new members. All staff who do not contribute to either of these schemes become non-contributory members of the West State Superannuation Scheme, an accumulation fund complying with the Commonwealth Government's Superannuation Guarantee (Administration) Act 1992.

As all the staff of the Culture and Arts portfolio agencies, including the WA Museum, are staff of the Ministry for Culture & the Arts, the WA Museum has no liabilities in relation to their superannuation, other than for superannuation payments incurred under the Superannuation and Family Benefits Act pension scheme.

(f) Receivables

Receivables are recognised at the amounts receivable as they are due for settlement no more than 30 days from the date of recognition.

Collectability of receivables is reviewed on an ongoing basis. A provision for doubtful debts is raised where some doubt as to the collection exists. Debts which are known to be uncollectable are written off.

(g) Payables

Payables, including accruals not yet billed, are recognised when the WA Museum becomes obliged to make future payments as a result of a purchase of assets or services. Payables are generally settled within 30 days.

(h) Inventories

Stocks are valued at the lower of cost and net realisable value.

(i) Resources Received Free of Charge or For Nominal Value

Resources received free of charge or for nominal value which can be reliably measured are recognised as revenues and as assets or expenses as appropriate at fair value.

(j) Foreign Currency Translation and Hedges

Transactions denominated in a foreign currency are translated at the rates in existence at the dates of the transactions. Foreign currency receivables and payables at reporting date are translated at exchange rates current at reporting date. Exchange gains and losses are brought to account in determining the result for the year.

Accounts and Financial Statements

NOTES CONTINUED

(k) Revenue Recognition

Revenue from the sale of goods and disposal of other assets and the rendering of services, is recognised when the WA Museum has passed control of the goods or other assets or delivery of the service to the customer.

(l) Comparative Figures

Comparative figures are, where appropriate, reclassified so as to be comparable with the figures presented in the current financial year.

	2001	2000
	\$000	\$000
2. Employee expenses		
Wages and salaries	7,501	7,363
Superannuation	466	435
Workers compensation premium	46	86
Fringe Benefits Tax	32	37
Other related expenses	177	181
Accrued salaries expense	186	176
	8,408	8,278
3. Supplies and services		
Consultants and contractors	618	143
Advertising	58	68
Electricity and gas	423	394
Freight and cartage	87	103
Insurance premiums	111	102
Printing	223	173
Legal fees	33	8
Water	22	21
Sundry equipment	171	125
Travel	305	323
Other supplies and services	1,633	1,143
	3,684	2,603
4. Depreciation expense		
Buildings	545	533
Computing, plant and equipment	407	303
	952	836

Accounts and Financial Statements

NOTES CONTINUED

	2001	2000
	\$000	\$000
5. Administration expenses		
Communication	243	224
Consumables	570	581
Maintenance	410	308
Lease of equipment & vehicles	380	373
Other	(8)	18
	1,595	1,504
6. Accommodation expenses		
Repairs & maintenance	594	761
Security	100	141
Cleaning	125	105
Other accommodation	45	56
	864	1,063
7. User charges and fees		
User charges	115	96
Consultancy fees	115	104
Exhibition fees	68	851
	298	1,051
8. Trading Profit		
Sales	825	838
Cost of Sales:		
Opening inventory	537	462
Less recoup of WST	(16)	0
Purchases	438	462
	959	924
Closing inventory	604	537
	355	387
Cost of Goods Sold		
Trading Profit	470	451
9. Revenues (to)/from Government		
Appropriation revenue received during the year:		
Recurrent	3,604	2,928
Capital	1,610	1,682
	5,214	4,610

Accounts and Financial Statements

NOTES CONTINUED

	2001	2000
	\$000	\$000
9. Revenues (to)/from Government (Continued)		
Resources received free of charge determined on the basis of the following estimates provided by agencies:		
- Office of the Auditor General	18	19
- Ministry for Culture & the Arts	7,162	6,361
	7,180	6,380
	12,394	10,990
10. Restricted cash assets		
Specific purpose trust funds	1,712	1,616
	1,712	1,616
Cash held in the account is to be used only for the purpose of providing training to remote agencies.		
11. Inventories		
Goods held for resale:		
Bulk book store	239	205
Perth shop stock	62	68
Other Museum shops stock	303	264
	604	537
12. Receivables		
Current		
Trade debtors	619	813
Provision for doubtful debts	(18)	0
GST receivable	71	0
	672	813
13. Accrued salaries reserve		
Reserve for 27 th pay in 2004/05 (held by the WA Museum)	110	110
	110	110

Accounts and Financial Statements

NOTES CONTINUED

	2001 \$000	2000 \$000
14. Property, plant, equipment and vehicles		
Land		
At valuation 1986	0	8,878
At valuation 2000	11,460	0
	11,460	8,878
Buildings at cost	7,227	7,227
Accumulated depreciation	(282)	(142)
	6,945	7,085
Buildings at valuation	26,814	20,282
Accumulated depreciation	(3,397)	(3,557)
	23,417	16,725
Computer Plant & Equip		
At cost	2,380	1,857
Works in progress	371	0
Accumulated depreciation	(1,530)	(1,280)
	1,221	577
Furniture & Fittings	551	442
Accumulated depreciation	(163)	(126)
	388	316
Scientific equipment	1,373	1,371
Accumulated depreciation	(861)	(743)
	512	628
Transport	74	74
Accumulated depreciation	(73)	(72)
	1	2
Motor vehicle	9	0
Accumulated depreciation	0	0
	9	0
Works of art	24	24
Accumulated depreciation	(0)	(0)
	24	24
Leasehold improvements	29	0
Accumulated depreciation	(0)	0
	29	0
	44,006	34,235

The revaluation of freehold land, land improvements and buildings was performed in July 2000 in accordance with an independent valuation by the Valuer General's Office (VGO). The valuation was made in accordance with a policy of annual revaluation.

Accounts and Financial Statements

NOTES CONTINUED

14. Property, plant, equipment and vehicles (continued)

Reconciliations

Reconciliations of the carrying amounts of property, plant, equipment and vehicles at the beginning and end of the current and previous financial year are set out below.

	Land	Buildings	Computer Plant & Equip	Furniture &Fittings	Scientific Equip.	Works of Art	Other	Total
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2001								
Carrying amount at start of year	8,878	23,809	578	316	628	24	2	34,235
Additions			893	110	2		38	1,043
Disposals								
Revaluation increments	2,582	7,098						9,679
Depreciation		(545)	(251)	(37)	(118)		(1)	(952)
Write-off of assets destroyed by earthquake								
Carrying amount at end of year	11,460	30,362	1,220	389	512	24	39	44,006
2000								
Carrying amount at start of year	8,878	24,007	526	327	594		3	34,335
Additions		335	237	20	120	24		736
Disposals								
Revaluation increments								
Depreciation		(533)	(185)	(31)	(86)		(1)	(836)
Carrying amount at end of year	8,878	23,809	578	316	628	24	2	34,235

Accounts and Financial Statements

NOTES CONTINUED

	2001 \$000	2000 \$000
15. Equity		
Reserves		
Asset revaluation reserve (I):		
Opening balance	8,878	8,878
Net revaluation increments:		
Land	2,582	
Buildings	7,098	
	<hr/>	
Closing balance	18,558	8,878

(I) The asset revaluation reserve is used to record increments and decrements on the revaluation of non-current assets, as described in accounting policy note 1 (m).

Accumulated surplus/(deficiency)		
Opening balance	30,834	29,782
Change in net assets	(335)	1,052
	<hr/>	
Closing balance	30,499	30,834

16. Notes to the Statement of Cash Flows

(a) Reconciliation of cash

For the purpose of the Statement of Cash Flows, cash includes cash at bank, amounts in suspense and restricted cash, net of outstanding bank overdrafts. Cash at the end of the financial year as shown in the Statement of Cash Flows is reconciled to the related items in the Statement of Financial Position as follows:

Cash assets	2,076	2,777
Restricted cash assets (refer to note 10)	1,712	1,616
	<hr/>	
	3,788	4,393

(b) Reconciliation of net cost of services to net cash flows provided by/(used in) operating activities

Net cost of services	(12,729)	(9,938)
Non-cash items:		
Depreciation expense	952	836
Resources received free of charge	7,180	6,380
(Increase)/decrease in assets:		
Current receivables	222	(390)
Current inventories	(67)	(75)
Other current assets	(15)	(110)
Increase/(decrease) in liabilities:		
Current accounts payable	(10)	(409)
Accrued Salaries	(176)	0
Other current liabilities	0	88
Net GST receipts/(payments) (I)	(79)	0
Change in GST in receivables/payables(II)	<hr/>	
Net cash provided by/(used in) operating activities	(4,722)	(3,618)

(I) This reverses out the GST in accounts receivable and payable.

Accounts and Financial Statements

NOTES CONTINUED

	2001 \$000	2000 \$000
17. Commitments for expenditure		
(a) Lease commitments		
Commitments in relation to leases contracted for at the reporting date but not recognised as liabilities, payable:		
Within 1 year	64	35
Later than 1 year and not later than 5 years	36	11
Later than 5 years	0	0
	100	46
Representing:		
Non-cancellable operating leases	100	46
	100	46

18. Explanatory Statement

(i) Significant variations between actual revenues and expenditures for the financial year and revenues and expenditures for the immediately preceding financial year.

Details and reasons for significant variations between actual results with the corresponding items of the preceding year are detailed below. Significant variations are considered to be those greater than 10% or \$ 200,000.

	2001 \$000	2000 \$000	Variance Over/(under) \$000
Employee expenses	8,408	8,278	130
Supplies and services	3,684	2,603	1,081
Accommodation expenses	864	1,063	(199)
User charges and fees	298	1,051	(753)
State grants	664	1,474	(810)
Interest revenue	309	174	135
Other revenue	187	291	(104)

Employee expenses

The variance is mainly due to additional salaries costs associated with the two new museums at Fremantle and Geraldton.

Supplies and services

The variance is mainly due to additional expenditure on the two new museums at Fremantle and Geraldton.

Accommodation expenses

The variance is mainly due to a reduction in building maintenance and security expenditure.

User charges and fees

The variance is due to additional revenues received during 1999-00 for the Pharaohs Exhibition.

Accounts and Financial Statements

NOTES CONTINUED

State grants

The variance relates to funding received in 99-00 for the Land and People exhibition. This exhibition was completed during 2000-01.

Interest revenue

The increase is mainly due to the higher average cash balance held during the 2000-01 year.

Other revenue

The variance is due to a reduction in service recoup revenue during the financial year.

- (ii) Significant variations between estimates and actual results for the financial year

Details and reasons for significant variations between estimates and actual results are detailed below. Significant variations are considered to be those greater than 10% or \$ 200,000.

In the interests of concise reporting those variations between the actual and actual that have already been explained in the previous notes have not been repeated.

	2001 Estimates \$000	2001 Actual \$000	Variance Over/(under) \$000
Commonwealth grants	250	165	(85)
Appropriations	4,717	5,214	497

Commonwealth grants

The variance is due to less than expected grant applications being approved by the Commonwealth

Appropriations

The variance is mainly due to supplementary funding of \$510,000 being provided for the payment of pension fund superannuation.

19. Events occurring after Reporting Date

The Machinery of Government Taskforce was established in March 2001 to report to government on a program to enhance the service delivery of the public sector. The reorganisations of agencies as recommended by the taskforce, will result in the review of the relationship between the Ministry for Culture & the Arts and the statutory Boards within the arts and culture portfolio.

A portfolio management team will be established to discuss cross portfolio issues, approve and implement changes in the delivery of support services or any other processes in the portfolio where mutual benefits can be realised.

Accounts and Financial Statements

NOTES CONTINUED

20. Financial Instruments

(a) Interest Rate Risk Exposure

The following table details the Authority's exposure to interest rate risk as at the reporting date:

	Weighted Average Effective Interest Rate %	Variable Interest Rate \$000	Fixed Interest Rate Maturity			Non Interest Bearing \$000	Total \$000
			Less than 1 Year \$000	1 to 5 Years \$000	More than 5 Years \$000		
2001							
Financial Assets	5.93						
Cash assets		2,076					2,076
Restricted cash assets		1,712					1,712
Receivables						672	672
Other						155	155
		3,788				827	4,615
Financial Liabilities							
Payables						168	168
						168	168
2000	5.27						
Financial assets		4,393				953	5,346
Financial liabilities						230	230

(b) Credit Risk Exposure

The WA Museum has limited credit risk exposure. The carrying amount of financial assets recorded in the financial statements, other than debt receivables, represents the authorities maximum exposure to credit risk.

(c) Net Fair Values

The carrying amount of financial assets and financial liabilities recorded in the financial statements are not materially different from their net fair values, determined in accordance with the accounting policies disclosed in note 1 to the financial statements.

21. Remuneration and Retirement Benefits of Members of the Accountable Authority.

Remuneration of Members of the Accountable Authority

The number of members of the Accountable Authority, whose total of fees, salaries and other benefits received, or due and receivable, for the financial year, fall within the following bands are:

	2001 \$000	2000 \$000
\$ 0 – 10,000	6	6
The total remuneration of the members of the Accountable Authority is:	24	29

No members of the Accountable Authority are members of the Superannuation and Family Benefits Act Scheme.

Accounts and Financial Statements

NOTES CONTINUED

	2001	2000
	\$000	\$000
22. Supplementary Information		
Write-Offs		
Public property written off by the Minister during the financial year	0	24
	0	24
23. Output Information		
The WA Museum operates under the one output called Museum Services. The information shown in the Statement of Financial Performance represents the output information.		
24. Supplementary Information		
The WA Museum holds shares in a private company received in exchange for the Museum's support of specific projects. These shares are not recorded in the financial statements as the measurement of the market value of the shares is not reliable.		

Outcomes, Outputs and Performance Indicators



AUDITOR GENERAL

To the Parliament of Western Australia

THE WESTERN AUSTRALIAN MUSEUM PERFORMANCE INDICATORS FOR THE YEAR ENDED JUNE 30, 2001

Scope

I have audited the key effectiveness and efficiency performance indicators of The Western Australian Museum for the year ended June 30, 2001 under the provisions of the Financial Administration and Audit Act 1985.

The Board of Trustees is responsible for developing and maintaining proper records and systems for preparing and presenting performance indicators. I have conducted an audit of the key performance indicators in order to express an opinion on them to the Parliament as required by the Act. No opinion is expressed on the output measures of quantity, quality, timeliness and cost.

My audit was performed in accordance with section 79 of the Act to form an opinion based on a reasonable level of assurance. The audit procedures included examining, on a test basis, evidence supporting the amounts and other disclosures in the performance indicators, and assessing the relevance and appropriateness of the performance indicators in assisting users to assess the Museum's performance. These procedures have been undertaken to form an opinion as to whether, in all material respects, the performance indicators are relevant and appropriate having regard to their purpose and fairly represent the indicated performance.

The audit opinion expressed below has been formed on the above basis.

Audit Opinion

In my opinion, the key effectiveness and efficiency performance indicators of The Western Australian Museum are relevant and appropriate for assisting users to assess the Museum's performance and fairly represent the indicated performance for the year ended June 30, 2001.

A handwritten signature in black ink, appearing to read 'K O'Neil'.

K O'NEIL
ACTING AUDITOR GENERAL
November 30, 2001

Outcomes, Outputs and Performance Indicators

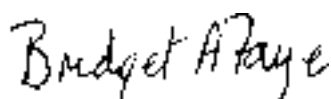
THE WESTERN AUSTRALIAN MUSEUM CERTIFICATION OF PERFORMANCE INDICATORS FOR THE YEAR ENDED 30 JUNE 2001

We hereby certify that the performance indicators are based on proper records and fairly represent the performance of the Western Australian Museum for the financial year ended 30 June 2001.



CHAIRMAN OF TRUSTEES

DATE: 29/8/2001



TRUSTEE

DATE: 29/8/2001



PRINCIPAL ACCOUNTING OFFICER

DATE: 29/8/2001

Outcomes, Outputs and Performance Indicators

PERFORMANCE INDICATORS

The Western Australian Museum is an agency within the Ministry for Culture & the Arts. The Government's desired outcome for the Ministry and the Museum is:

"A community that is informed of, and has access to, a diverse range of innovative ideas, knowledge and cultural experiences."

The efficiency indicators reflect the total full accrual costs of the Museum. These amount to \$15,528,000 compared to \$14,322,000 in 1999/2000.

KEY INDICATORS

The Museum's role is to implement the Ministry's Outcome, by providing information and enjoyment to the community at large through contact with the natural and cultural heritage of Western Australia.

This indicator represents the number of visitors to the exhibitions and displays presented by the Museum, and the number of new exhibitions and displays completed on natural and cultural heritage.

Relevance

Visitation by the public reflects attractiveness of the Museum's exhibitions and displays to the community in terms of enjoyment and educational value.

Effectiveness Indicators

Visitor numbers (000s)

	2000–2001	1999–2000	1998–1999	1997–1998	1996–1997
	752(i)	777	807	896	835

Exhibitions (ii)

	2000–2001	1999–2000	1998–1999	1997–1998	1996–1997
Permanent	55	42	42	42	33
Other	36	51	61	38	57

Visitor satisfaction (iii) (iv)

	Total	Perth	Fremantle History	Maritime	Albany	Geraldton
Overall ratings of Museum Aspects						
Poor	0.9%	2.1%	–	0.3%	–	1.9%
Good	25.8%	31.7%	26.3%	28.3%	11.1%	23.2%
Very Good	52.0%	48.6%	52.6%	46.6%	72.2%	54.8%
Excellent	21.3%	17.6%	21.1%	24.8%	16.7%	20.0%

*No sampling undertaken 2000-2001 at Kalgoorlie.

(i) The reduction in this figure is a result of a re-calibration of the electronic door counter at the Perth Site as well as a reduction in the number of travelling exhibitions over the last two years.

Outcomes, Outputs and Performance Indicators

- (ii) The number of “other” exhibitions declined this year as a result of concentration on permanent exhibitions at Geraldton and development of the *Land and People Exhibition* at Perth.
- (iii) The satisfaction rates are from a sample survey of 790 visitors. The survey involved face to face interviews conducted on a random basis in the months of April and May. Based on this sample the maximum error rate at the 95% level of confidence is +/- 3.5%.
- (iv) No sampling was undertaken at Kalgoorlie.
- (v) As this year’s survey used a new methodology, no comparative figures are available.

Efficiency Indicators

a. Ratio of the number of exhibition visitors to cost of gallery staff involved. This indicator provides a guide as to the efficiency with which the Museum is providing services to visitors.

Cost per visitor

2000–2001	1999–2000	1998–1999	1997–1998	1996–1997
\$8.75	\$7.70	\$7.49	\$7.03	\$6.79

b. Ratio of permanent exhibitions to the cost of professional staff involved. Exhibitions are a core function of the Museum and this ratio provides an indication of the standard at which exhibitions are being maintained.

Cost of permanent exhibitions

2000–2001	1999–2000	1998–1999	1997–1998	1996–1997
\$24,629	\$26,060	\$33,572	\$26,647	\$32,669

c. Ratio of other exhibitions to the cost of professional staff involved.

This ratio provides an indication of the standard at which temporary exhibitions are being mounted.

Cost of other exhibitions

2000–2001	1999–2000	1998–1999	1997–1998	1996–1997
\$31,773	\$18,987	\$18,870	\$23,915	\$16,510

d. Ratio of requests for specialised information to cost of staff involved.

Providing answers to public inquiries is a major function of the Museum. This ratio indicates the cost of this function.

Cost per inquiry

2000–2001	1999–2000	1998–1999	1997–1998	1996–1997
\$22.47	\$22.94	\$21.59	\$16.25	\$18.79

e. Ratio of collection items maintained in the Museum to cost of staff involved.

The cost of maintaining the Museum’s collections is central to its operations.

Cost per item maintained

2000–2001	1999–2000	1998–1999	1997–1998	1996–1997
\$1.29	\$1.39	\$1.03	\$0.80	\$0.81

Outcomes, Outputs and Performance Indicators

OUTPUT-BASED MANAGEMENT MEASURES

Output 2: Museum Services

Delivery and promotion of museum services through collection development and management, research, education and visitor services.

The output-based management measures are provided for information only and are not audited.

	2000–2001 Actual	2000–2001 Target	Comment
Quantity			
Interactions (visitors, Internet hits, enquiries and exchanges)	1,208,018	1,200,000	
Items maintained that support WA's collection management	2,482,652	2,500,000	
Quality			
Satisfaction rate—products	95%	97%	New survey methodology
Adherence to collection policy for acquisition	100%	100%	
Collection stored according to appropriate standards	5%	5%	Lack of appropriate facilities
Satisfaction rate—interactions	99%	97%	Good, very good or excellent rating
Timeliness			
Hours per week public has access to collections:			
Perth Museum	49	52	
Fremantle History Museum	40	40	
Maritime Museum	46	52	
Length of time from decision on collection to time of use	33 days	33 days	
Cost			
Average cost per interaction	\$9.24	\$9.83	
Average cost per item in the collection	\$3.57	\$3.86	
Key effectiveness indicator			
Visitor numbers	752,248	780,000	

APPENDICES

STAFF LIST, 2000–2001**Directorate**

Executive Director
Gary Morgan BSc(Hons) PhD
Personal Secretary
Helen Imlay BA
Directorate Secretary
Lillian Van Oijen

Foundation

Executive Officer
Kimlarn Frecker BEd

Friends of the Museum

Coordinator (P/T)
Sara J. Meagher MA (to 5.12.00)
Acting Coordinator (P/T)
Joanna Salomone (to 30.6.01)

**Western Australian
Museum–Science and
Culture**

Director
Patrick F. Berry BSc(Hons) MSc PhD
Secretary
Anne F. Nevin
Database Administrator
Graeme Christie BSc(Hons) PhD (contract)
Database Officer
Patricia Gardner (to 10.00)

Aquatic Zoology

Head of Department
Fred E. Wells BSc MSc PhD (to 8.00)
Jane Fromont BSc MSc PhD (from 9.00)
Senior Curator
Fred E. Wells BSc MSc PhD
Curators
Jane Fromont BSc MSc PhD
J. Barry Hutchins BSc(Hons) PhD
Diana S. Jones BSc(Hons) DipEd MSc
Shirley M. Slack-Smith BSc
Senior Technical Officer
Clay Bryce DipAppSc(Biology) RBI
Technical Officers
Melissa A. Hewitt BSc(Hons)
Sue Morrison BSc(Hons) PGCE MSc
Technical Assistant (P/T)
Mark P. Salotti DipAppSc

**Earth and Planetary
Sciences**

Head of Department
John A. Long BSc(Hons) PhD (to 12.00)
Kenneth J. McNamara BSc(Hons) PhD
(from 1.01)
Senior Curator
Kenneth J. McNamara BSc(Hons) PhD
Curators
John A. Long BSc(Hons) PhD
Alexander W. R. Bevan BSc(Hons) PhD
Assistant Curator
Peter J. Downes BSc(Hons)
Technical Officers
Kristine Brimmell
Geoff Deacon BSc(Hons) Simpson
Collection (P/T); manager, Dinosaur
Club (P/T)
Carina Marshall; manager, Dinosaur Club
(P/T)
Danielle West BA(Ed); mineralogy

Terrestrial Invertebrates

Head of Department
William F. Humphreys BSc(Hons) PhD (to
12.00)
Terry F. Houston BSc(Hons) PhD (from
1.01)
Senior Curators
Mark S. Harvey BSc PhD
William F. Humphreys BSc(Hons) PhD
Technical Officers
Brian Hanich BSc
Julianne M. Waldock BSc MSc (P/T)

Terrestrial Vertebrates

Head of Department
Richard A. How BSc(Hons) PhD
Senior Curator
Richard A. How BSc(Hons) PhD
Curator
Kenneth P. Aplin BSc(Hons) PhD
Assistant Curators
Norah K. Cooper BSc(Hons) DipEd
Ronald E. Johnstone
Lawrence A. Smith DipAppSc
PGDipAppSc
Scientific Officer
Peter Kirkpatrick BSc(Hons) (to 1.01)
Technical Officers

Brad Maryan (P/T)
Catherine Ratcliffe BSc (to 12.01)
Alcoa FrogWAtch Education Officers
Lyndal Sleep BSc(Hons)
Anthea Paino BSc (P/T)
Anne-Marie Shepherd

Anthropology

Head of Department
Moya Smith BA(Hons) PhD DipEd
Curators
Charles E. Dortch BSc MPhil PhD
Mancel E. Lofgren BA MA
Moya Smith BA(Hons) PhD DipEd
Assistant Curator
Anna M. Edmundson BA MPhil
Registrar
Ross R. Chadwick BA GradDipMusStudies
Acting Registrar
Kathryn Robinson (10.1.01 to 6.4.01)
Joe Dortch (21.3.01 to 15.6.01)

History

Head of Department
Ann Delroy BA(Hons) MPhil
Secretary
Rhonda Clark (to 23.2.01)
Karen Klinger (23.2.01 to 06.4.01)
Curators
Ann Delroy BA(Hons) MPhil
Phyllis Brown BA(Hons)
Sue Graham-Taylor BA(Hons) PhD
(contract)
Anna Haebich BA(Hons) BA(FineArts) (to
6.01)
Mathew Trinca BA(Hons)
Collections Manager
Wendy Bradshaw BA(Hons)
Assistant Curator
Kate O'Shaughnessy BA(Hons) (16.10.00
to 2.2.01)
Data-entry
Emma O'Shaughnessey BA (to 15.12.00)

Fremantle History Museum

Attendant Supervisor
Natalie Dames
Attendants
Jill Hopkins
Janice McCreery
Ping McDowall

Kaylene Poon
Margaret Tribbick
Casual Attendants
Trish Alexander
Wendy Aspden
Ellie-Jo Lanyon

Western Australian Maritime Museum

Director
Graeme J. Henderson BA MA DipEd
GradDipPubAdmin
Secretary
Erlinda S. Lawson (on leave from 10.00)
Acting Secretary
Mary Whittall (from 10.00)

Maritime Archaeology

Head of Department
Jeremy N. Green BSc MA(Hons) FAAH
AdjunctAssocProf(Heritage Studies,
Curtin University)
Collections Manager
Myra Stanbury BSc
Manager Operations
Michael McCarthy BEd MPhil PhD
DipPhysEd GradDipMarArch
Curator
Juliette Pasveer BA(Hons) (to 2.01)
Assistant Curators
Corioli Souter BA GradDipMarArch
Marit van Huystee MA(Dutch Linguistics &
Literature) (P/T) (to 2.01)
Senior Technical Officers
Patrick E. Baker DipSciTechPhot
Geoffrey E. Kimpton
Technical Officer
Robert W. Richards
Secretary
Susan E. Cox
Artefact Data-entry (DEH) (P/T)
Vacant

Maritime History

Head of Department
Sally May BA GradDipAppHerStud
Assistant Curator
Karen Jackson BA GradDipAppHerStud
Jon Addisson BA(Hons) MA
Acting Assistant Curator
Sarah Stephenson BA PostGradPubHist
Senior Technical Officer
Patrick E. Baker DipSciTechPhot
Secretary
Susan E. Cox

Education

Head of Department
Mike Lefroy BEcon DipEd
Education Officer
Mike Brevenholt BA GradDipEd
Technical Officer
George Trotter BA
Education Assistants

Elaine Berry
Fiona McVey (P/T) (to 1.01)
Sarah Byrne BSc (P/T)

Administration

Business Support Manager
Dan Boyes BBus DipPubAdmin
Receptionist Clerk
Anthea Arrow DipEd
Bookshop Assistant
Pauline McLay
Acting Attendant Supervisor
Julia Sylvester BA
Receptionist/Attendant
Albert Featherstone
Receptionist/Attendants (P/T)
Mark Barrett BSc(Hons)
Sarah Byrne BSc
Jennifer Gibbs CertIII MarStu
Judith Goncalves
Marie Jeffery CertMusStu
Evelyn Reynolds
Jan Ross
Seung Lee BEng
Maureen Wakefield
Cleaners (P/T)
Magdalena Kobilanski
Ivanka Vukovak

New Maritime Museum Development

Project Administrator (Directorate)
Naomi Bourne
Project Manager (Directorate)
Kurt Kenderessy AA(WAIT)
Marketing Manager (Directorate)
Karen Majer BSc(Hons) GradDipMedia
Manager Submarine and Naval Display
David Pike BBus ALAA
Technical Adviser (Submarine & Display)
Norman O'Neill CertMatAdmin
CertStoAcctPro
Submarine Assistants
Shayne Gaddene
Ian Walker DipProdDes (to 2.01)
Paul Ballentyne (from 3.01)
Exhibition Coordinator
Sally May BA PGDipCultHerStud
Exhibition Team Leaders
Sally May BA PGDipCultHerStud (Fishing
Gallery)
Karen Jackson BA GradDipAppHerStud
(Fremantle and Swan River Gallery)
Mike Lefroy BEcon DipEd (Leisure Gallery)
David Pike BBus ALAA (Defence Gallery)
Denise Cook BA(Hons)
GradDipWomen'sStudies (Indian Ocean
Gallery)
Adam Wolfe BBus BSwk GradDipMarArch
FAII (Maritime Trade Gallery) (to 6.01)
Team Leader Assistant (Leisure Gallery)
Andrew White BA ALAA (to 4.01)
Exhibition Coordinator Assistants
Soula Vouyoucalos-Veyradier BA
GradDipAppSc DipPhot CAPPhot

Gemma Palfrey BA(Hons) (to 7.00)
Michelle Webb (to 2.01)
Marnie Lazar BA(Hons) (P/T)
Anupa Shah BCom CertFineArt
DipFineArt

Western Australian Museum–Albany

Curator
Valerie Milne BSc(Hons)
Clerical Officer
Carolyn Cockayne
Supervisor
Jill Stidwell (from 26.5.01)
Acting Supervisor
Anthea Beeck (to 25.6.01)
Receptionist/Attendant
Yvonne Coles
Casual Receptionist/Attendants
Jill Stidwell (to 25.5.01)
Jared Gerace
Daniel Smith
Robert Arthur
Zoe Prince
Isolde Shearer
Casual Gallery Marker
Imogen Prince

Western Australian Museum–Geraldton

Regional Curator
Rik Malhotra MSc PhD
Education Officer (P/T)
Sean McGrath BA HDE
Clerical Officer
Dianne Towton
Technical Officer
Paul Still
Attendant Supervisor
Orla H. McGrath
Receptionist/Attendant (P/T)
Kathleen Deloli
Casual Gallery Markers/Attendants
Helen Sheridan
Holly Roberts
Allison Roberts
Rochelle Clifford
Bobbie Desmond
Chris Fleming
Sean McGrath
Patricia Erni
Gary Martin
Terri Cooper
Bruce Bradfield

Western Australian Museum–Kalgoorlie–Boulder

Branch Curator

Lorraine Fitzpatrick BA(Hons) (to 29.12.00)

Acting Branch Curator

Ross Chadwick BA DipGradMusStudies (2.1.01 to 18.6.01)

Terence McClafferty BSc GDipEd PGDipScEd MSc PhD (from 25.6.01)

Education Officer

Samantha Rutter BA GDipEd (to 3.1.01)

Jeanette Evans (3.1.01 to 4.5.01)

Jessica Kail BSc GDipEd (from 5.6.01)

Clerical Officer

Matt Purvis (to 12.00)

Carolyn Gray DipAS (from 10.00)

Attendants

Celina Smith

Kylie Turner

Val Creedon

Elaine Mackinnon

Geoff Wall

Nicky Biggins (to 12.00)

Moya Sharp (from 1.01)

Grounds Officer

William F. Moore

Visitor Services

Director

Lyn Williamson

Secretary

Adriana Fazzari

Education

Head of Department

Vacant

Education Officers

Carolyn Mutzig DipTeach ASDA LSDA (to 12.00)

John Dell (to 5.00)

Kate Akerman BSc DipEd (from 5.1.01)

Graphic Designers (P/T)

Dianne Davies DipArt&Design

Lynne Broomhall CertGraphDes

DipGraphDes DipPrintMaking

Education Assistant

Peta Osborne

Casuals

Carol Foley

Suzanne Hutchison

Sheila Liversage

Exhibition and Design

Head of Department

Tim Eastwood BA(IndDesign) (from 13.12.00)

Senior Designers

Paul D. Morgan BA(Design)

Victoria Cole BA(Arch)(Hons) (to 15.12.00)

Exhibition Designer

Fran Sweetman (from 19.2.01)

Editor/Exhibition Planner

Jenny Moroney

Graphic Designers

Simon Leach

Darren Mok (P/T) (from 9.01)

Preparators

Jamie W. Stuart (to 10.00)

Kirsten J. Tullis BSc(Hons)

Travelling Exhibitions Coordinator

Alan Rowe AdvCertGraphicDes

Technical Officers

Jacques R. Maissin BA(MechEng)

CertMechFit CertToolmaker

DipMachMech

Rod van der Merwe Dip&AssocFineArts (P/T)

Peter Lisiewich CertMechFit CertWelding

DipOldArts (P/T)

Stuart Leach

Contract

Neil Southam (to 8.00)

Damon Lee BA(Craft) (to 8.00)

Sandra Hall (to 2.01)

James Mackey (to 12.00)

Dennis Feaver

Greg Giltroe

Artificer

Gregory C. Anderson

Discovery Centre

Manager

Terry McClafferty BSc GDipEd PGDipScEd MSc (to 6.01)

Acting Manager

Chris White (from 25.6.01)

Staff

Rosemary Byrne BEd DipTeach

Ciorsdan Daws BAppSc (to 3.01)

Tricia Gardner BSc (to 9.00)

Marcus Good

Steven Matthews

Kate Vyvyan BSc(Hons) PGCE

Lyndsay Tonner

Marketing

Cassandra Landre (to 1.01)

Program Development

Manager

Lorraine Fitzpatrick (5.3.01 to 5.6.01)

Media and Public Relations

Genine Read (contract P/T) (to 29.11.00)

Dionne Lew (contract P/T) (from 12.12.00 to 23.2.01)

Mariyon Slany BA (contract P/T) (from 26.2.01)

Museum Officers

Supervisor

Kathy Logan (to 20.12.00)

Julie Davy (from 12.00)

Acting Assistant Supervisor

Lynne East

Officers

Eric Bowra

Ingrid Featherstone

Colin Ferguson

Ron Fuller

Kenneth Houghton (to 12.00)

Glynn Jarvis

Nigel Jones

Ellen Kelly

Jeffrey Kickett

Ray Lines

Jeanne McIntyre

Susan Murray

Tony Pember

Jean Stanford

Angela Svrznjak

Matthew Purvis

Museum Services

Director

Ian D. MacLeod BSc(Hons) PhD FRACI

FIIC FTSE PMAICCM

Materials Conservation

Head

Ian D. MacLeod BSc(Hons) PhD FRACI

FIIC FTSE PMAICCM (to 31.1.01)

Ian M. Godfrey BSc(Hons) DipEd PhD

(from 1.2.01)

Principal Conservator

Ian D. MacLeod BSc(Hons) PhD FRACI

FIIC FTSE PMAICCM (from 1.2.01)

Curator

Ian M. Godfrey BSc(Hons) DipEd PhD (to 31.1.01)

Research Officer

Vicki L. Richards BAppSci

GradDipAppChem MPhil

Conservators

Jonathan Carpenter

S. Richard Garcia AssDipMechEng

David R. Gilroy CertMechEng

Nicola D. King Smith DipArt

Maggie Myers DipConsInstArchLond

CertMusStud

Kent Jarman BAppSc(Materials Cons)

(on secondment as Safety Officer)

Conservators (P/T)

L. Ulrike Broeze-Hörnemann

DipDentalMech AssocPMAICCM

Carmela Corvaia BA

Registrations Officer

Lucy Barrow DipSecStud

Museum Assistance Program

Manager

Greg Wallace BSc(Hons)

Travelling Curator

Rosalind Brown BA MA(Museum Studies)

Library

Librarian

Margaret A. Triffitt BA AALIA

Library Information Officer (P/T)
Wendy Crawford

Business Management and Development

Acting Director

Nick Mayman* MBA DipLib BEc

Finance Management Officer

Alan Ferris*

Purchasing Officer

Trevor Hinscliff*

Human Resources Consultant

Louisa Marinozzi*BA(Hons) DipEd

Accounts Officers

Danny Gemelli*

Casie Gilsenan*

Records Management Officer

Marilyn Gimblett

Telephonist (P/T)

Renate Beaton

June Cooper

Safety Manager

Kent Jarman

Property and Security Officer

Maurice Odgers

Shop Manager

Kerry Chittleborough DipFashDes

Shop Casuals

Christine Skeels

Laura Reece

Publications

Manager

Ann R. Ousey AssocDipAppArts&Sci

Desktop Publishing Operators

Gregory S. Jackson

Vincent McInerney

Printing Machinist

Malcolm Parker

Casual

Laura Reece

Imaging and New Media

Photographer

Douglas S. Elford BT(Phot) AIPP RBI

* Officer employed by the Ministry for Culture & the Arts.

STAFF MEMBERSHIP OF EXTERNAL PROFESSIONAL COMMITTEES

- K. P. Aplin
- Member, Frog Fungus Working Group
 - Conference Steering Committee 'Getting the Jump! of Amphibian Disease', Cairns, August 2000
 - Coeditor, *Modern Quaternary Research in Southeast Asia* (A. A. Balkema, Rotterdam)
- P. Baker
- Public Officer, Australian Institute for Maritime Archaeology
- E. Berry
- Secretary, Fremantle Volunteer Heritage Guides
 - Member, Fremantle History Society Committee
- P. F. Berry
- Member, Council of Heads of Australian Fauna Collections
 - Member, Abrolhos Islands Management Advisory Committee
 - Chair, Rottneest Island Environmental Advisory Committee
 - Member, Marine Parks and Reserves Scientific Advisory Committee
- A. W. R. Bevan
- Australian Member, Cosmic Mineralogy Working Group of the International Mineralogical Association
 - Secretary, Meteoritical Trust of Australia
 - Editorial Review Board, *The Australian Gemmologist*
 - Program Subcommittee, 4th International Archaeological Symposium
- W. Bradshaw
- Member, Australian Registrar's Committee
- P. Brown
- Treasurer, Fremantle History Society
 - Treasurer, Women's Special Interest Group, Museums Australia
- C. W. Bryce
- National Committee Member, Australian Outdoor Writers Association
- R. Chadwick
- Member, Hyde Park Precinct Group
 - Member, Australian Registrar's Committee
 - Member, Department of Communications, Information Technology and the Arts Repatriation Committee
 - Member, Goldfields Tourism Association Executive Committee
- Member, National Trust Golden Pipeline Project Goldfields Committee
- N. K. Cooper
- Recovery Team, Pilbara Short-tailed Mouse
- J. Dell
- Editor, *The Western Australian Naturalist*
 - State Chairman, Natural Estate Evaluation Panel, Australian Heritage Commission
 - Technical Working Group, Department of Environmental Protection, Western Australia
 - Steering Committee, Western Australian Naturalists' Club Pollination Project
- A. Delroy
- Member, Collection Management and Conservation Working Party, Heritage Collection Council
 - Member, Museums Australia Council
 - Chair, Museum Practice Standing Committee, Museums Australia Council
 - State Convenor, Museum Historians' Special Interest Group, Museums Australia
 - Member, Fremantle Prison Living Museum Steering Group
 - Member, Society for the Study of Labour History Committee
 - Member, Advisory Committee, Certificate in Museum Studies, ECU
- C. Dortch
- Cave Management Advisory Committee, CALM District Office, Busselton
- L. Fitzpatrick
- Secretary, Museums Australia (WA) State Committee
 - Convenor, Museums Australia Eastern Goldfields Chapter
 - Vice-Chair, City of Kalgoorlie-Boulder Cultural Affairs Committee
 - Member, City of Kalgoorlie-Boulder Archives Centre Advisory Committee
 - Executive Member, Goldfields Tourism Association
 - Member, City and Regional Development Sub-Committee, Kalgoorlie-Boulder Chamber of Commerce
 - Member, CountryArts Regional Arts Development Fund Panel
- R. Garcia
- Member, Army Museum Advisory Group
- I. M. Godfrey
- Chair, Biological and Physical Sciences Course Consultative Committee, ECU
 - Member, Faculty of Science, Technology and Engineering Consultative Committee, ECU
 - Treasurer, Western Australian Division, Australian Institute for the Conservation of Cultural Material
- J. Green
- Adjunct Associate Professor, Research Institute for Cultural Heritage, Curtin University
 - Fellow, Australian Academy of the Humanities
 - Advisory Editor, *International Journal of Nautical Archaeology*
 - Joint Editor, Australian Institute for Maritime Archaeology *Bulletin*
- M. S. Harvey
- Chair, Advisory Committee, *Invertebrate Taxonomy*
 - Arachnology Nomenclature Committee (International Society of Arachnology) to advise International Commission on Zoological Nomenclature
 - Advisory Committee, ABRS
 - National Committee for Animal and Veterinary Sciences, Australian Academy of Science
 - Threatened Species Scientific Committee, Western Australia
 - Scientific Advisory Committee for Threatened Ecological Communities, Western Australia
- G. Henderson
- Western Australian delegate to the Commonwealth Minister for Communications and the Arts under the *Historic Shipwrecks Act 1976*
 - Member and Immediate Past President, ICOMOS International Committees on the Underwater Cultural Heritage Inc.
 - Executive Committee Member, International Congress of Maritime Museums
 - Member, Board of Studies, Curtin University Centre for Cultural Heritage Studies
 - Member, Fremantle Forum
 - Editorial Board Member, *Great Circle*, Journal of the Australian Association of Maritime History

- Expert Examiner, *Protection of Moveable Cultural Heritage Act 1986*
 - Patron, Australian Model Boat Club
- T. F. Houston
- Secretary, WA Insect Study Society Inc.
- R. A. How
- Curtin University of Technology, School of Environmental Biology Advisory Committee
 - IUCN Australian Marsupial and Monotreme Specialist Group
 - IUCN Australian Reptile and Amphibian Specialist Group
 - Threatened Species Network Advisory Committee (WA) for World Wildlife Fund and Environment Australia
 - Minister for the Environment's Threatened Species Scientific Committee
 - Combined Ministerial Reference Group for *Perth's Bushplan*
 - ECU, School of Natural Sciences, Course Consultative Committee
- W. F. Humphreys
- Scientific Advisory Committee for the Threatened Ecological Communities, Western Australia
 - Gascoyne Coast Technical Advisory Group
 - North West Cape Karst Management Advisory Committee
 - Steering Committee for International Biodiversity Observation Year 2000–2001: Conservation of Anchialine Faunas Project
- J. B. Hutchins
- Member and Scientific Adviser, Australian Anglers' Association Records Authority
 - National Committee Member, Australian Outdoor Writers Association
- R. E. Johnstone
- IUCN Australian Reptile and Amphibian Specialist Group
 - Western Long-billed Corella Recovery Team
- D. S. Jones
- Western Australian Committee Member, 'Terra Australis 2001'
 - Executive Committee Member, Western Australian Committee, 'Terra Australis 2001'
- M. Lefroy
- Member, Fremantle Chamber of Commerce
 - Chairperson, Tourism Chapter, Fremantle First
 - Member, Inner Harbour Community Liaison Group
 - Member, West End Revitalisation Group
- S. May
- Convenor, Indian Ocean Fisheries Conference
- I. D. MacLeod
- Member, Directory Board, ICOM-Committee for Conservation
 - Assistant Coordinator, ICOM-Conservation Committee Metals Working Group
 - Member, Editorial Board, *Corrosion and Materials*
 - Member, Advisory Committee Museum Studies, ECU
 - Trustee, Australian and American Catalina Memorial Foundation
 - Committee member, Australian Institute for the Conservation of Cultural Materials (AICCM), WA Division
- K. McNamara
- Member, National Cultural Heritage Committee
 - Member, Natural Estate Evaluation Panel, Australian Heritage Commission
 - Associate Editor, *Geological Magazine*
 - Australian Representative, Palaeontological Association
- G. J. Morgan
- Member, Advisory Committee, Centre for Cultural Heritage Studies, Curtin University
 - Member, Aboriginal Cultural Materials Committee
- M. Myers
- Committee member, AICCM, WA Division
- R. Richards
- Western Australian Maritime Museum representative on the City of Fremantle IT and Telecommunications Strategy Group
- V. Richards
- Assistant Coordinator, AICCM, Wet Organics Special Interest Group
- S. M. Slack-Smith
- Member, Committee for WA Specimen Shell Fisheries
 - Member, WA Committee for Introduced Marine Pests
 - Member, Scientific Subcommittee of the National Black Striped Mussel Task Force
- L. Smith
- IUCN Australian Reptile and Amphibian Specialist Group
- M. Smith
- Western Australian Museum representative on the Board, Berndt Museum of Anthropology
 - Member, Aboriginal Cultural Materials Committee
 - Associate Member, Australian Institute of Aboriginal and Torres Strait Islander Studies
 - Member of Department of Communications, Information Technology and the Arts Repatriation Committee
 - Industry representative, Ancient History Syllabus Committee
- C. Souter
- State Councillor, AIMA
 - AIMA/NAS State Tutor and Course Coordinator
 - AIMA/NAS National Committee
- M. Stanbury
- Vice-President, Australian Institute for Maritime Archaeology
 - Joint Editor, Australian Institute for Maritime Archaeology *Bulletin*
- M. Triffitt
- Royal Society of Western Australia, Council Member and Hon. Librarian
- G. Trotter
- Member, Arms and Armour Society
 - Member, WA Army Museum Advisory Group
- G. Wallace
- Arts Portfolio Regional Services Committee (Western Australian Museum representative)
 - Course Advisory Committee, Certificate in Museum Studies, ECU
 - Member, Education and Training Working Party, Museums Australia
 - Member, Museum Assistance Program Western Australian Branch State Committee (Observer/Adviser)
- F. E. Wells
- Abrolhos Islands Management Advisory Committee
 - Committee for WA Specimen Shell Fisheries
 - Council, Australian Marine Sciences Association
 - Editorial board, *Molluscan Research*

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Fellows

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 Sir Charles Court AK KCMG OBE
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 Dr W. D. L. (David) Ride AM MA DPhil

Honorary Associates

Mr Kim Akerman BSc
 Mr Graham Anderton BEd TeachCert
 DipPhysEd HTC
 Mr Francis Balcombe QPM
 Dr Basil E. Balme BSc PhD DSc
 Mr John Bannister MA FLS FZS
 Mr Hugh J. W. Barnes
 Mr Doug Bathgate BA
 Professor Walter Bloom BSc(Hons) PhD
 Professor Geoffrey Bolton AO MA DPhil
 Professor Frank Broeze LittD MA PhD
(deceased 4 April 2001)
 Mr Darren Brooks
 Dr Andrew Burbidge BSc(Hons) PhD
 Mr C. R. (Robert) Burgess
 Mr W. H. (Harry) Butler CBE CitWA
 Ms Rinske Car Driesens AAIICM
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 Mr Peter Coppin BEM
 Dr Ian Crawford BA(Hons)
 DipPrehistoricArchaeol MA PhD
 Dr Tony Cunningham PhD
 Professor John de Laeter AO BSc(Hons)
 BEd(Hons) PhD DSc
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 Mr Rob Foulds BA DipEd GradDipAppSc
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 Dr Hugh I. Jones PhD
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 Mr Nicholas Kolichis
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 Dr G. J. H. (Joe) McCall DSc PhD
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 Associate Professor Kenneth McPherson PhD
 Mrs Mary Macha
 Professor A. R. (Bert) Main CBE FAA BSc(Hons)
 PhD
 Dr Barbara York Main BSc(Hons) PhD
 Miss Margaret Medcalf BA ALAA
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 Dr Neil North BSc(Hons) PhD
 Mrs Mary Pandilow OAM
 Professor Colin Pearson AO MBE FIIC BSc MSc
 PhD
 Associate Professor John Penrose PhD
 Dr Philip Playford AM BSc(Hons) PhD DSc
 Mr A. A. Poole
 Mr R. (Brian) Pope BA(Hons) MPhil
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 Dr Geoff Richardson BSc(Hons) PhD
 Dr J. D. (Dale) Roberts PhD
 Mr Bruce Robinson BSc(Hons)
 Mr Robin Roe
 Mr Colin S. Sanders BSc(Hons) MSc
 Mr Jon Sanders AO OBE
 Mrs Lamberta Schekkerman
 Mr Craig Somerville
 Mr Rodney Stockwell BDS MDS
 Mr Kerry Thom
 Mr Don N. Tulloch
 Mr Brian Vine
 Dr Patricia Vinnicombe DipOT MA PhD
 Mr W. S. (Bill) Warnock BA *(deceased June 2001)*
 Mr Louis Warren AM
 Professor Philip Withers BSc(Hons) PhD
 Mrs Jill Worsley DipTeach BA GradDipMarArch

Research Associates

The Museum welcomes overseas and other visitors to work on its collections for extended periods. Research Associates are afforded the same privileges as Honorary Associates.

The following Research Associates worked at the Museum in 2000–2001:

Dr Gerry Allen BA PhD
 Dr Alex Baynes BA(Hons) PhD
 Dr Lindsay Byrne PhD
 Dr Robert Craig BAppSc DipTheol DipEd
 PostGradDipGeol PhD
 Mr John Darnell BSc BEng
 Mr Bradley Durant
 Mr Malte Ebach BSc(Hons) MSc
 Dr Hans Jurgen Hahn MSc PhD
 Mr Lindsay Hatcher DipEd
 Dr Robert Hough BSc(Hons) PhD
 Dr Ivana Karanovic BSc MSc PhD
 Dr Tomislav Karanovic BSc MSc PhD
 Mr George Kendrick
 Mrs Loisetta Marsh BA(Hons) MSc
 Ms Carina Marshall BA
 Dr Peter Morrison PhD
 Professor Brian Morton PhD
 Professor Eric Pianka PhD
 Associate Professor Lincoln Schmitt BSc PhD
 Mr Eric Volschenk
 Mr Tom Vosmer BA MAT MFA
 GradDipMarArch
 Mr Nigel West BAppSc GradDipChem
 Mr Krzysztof Wienczugow BAppSc
 Ms Celeste Wilson BSc(Hons)
 Professor Yu Wen BSc PhD

PUBLICATIONS LIST

Research Publications

- Adis, J. & Harvey, M. S. (2000). How many Arachnida and Myriapoda are there world-wide and in Amazonia? *Studies on Neotropical Fauna and Environment* **35**: 139–41.
- Allen, G. R. (2000). Fishes of Christmas Island, Indian Ocean. *Records of the Western Australian Museum, Supplement* **59**: 83–95.
- Allen, G. R. (2000). Fishes of the Montebello Islands. *Records of the Western Australian Museum, Supplement* **59**: 27–57.
- Allen, G. R. & Adrim, M. (2000). *Amblypomacentrus clarus*, a new species of damselfish (Pomacentridae) from the Banggai Islands, Indonesia. *Records of the Western Australian Museum* **20** (1): 51–5.
- Aplin, K. P., Cooper, N. K., How, R. A., Hutchins, J. B., Johnstone, R. E. & Smith, L. A. (2001). Introduction to the checklists of vertebrates of Western Australia. *Records of the Western Australian Museum, Supplement* **63**: 1–7.
- Bannister, J. L. (2001). Status of southern right whales (*Eubalaena australis*) off Australia. *Journal of Cetacean Research and Management Special Issue* **2**: 103–10.
- Berry, P. F. & Wells, F. E. (eds) (2000). Survey of the marine fauna of the Montebello Islands, Western Australia, and Christmas Island, Indian Ocean. *Records of the Western Australian Museum, Supplement* **59**: 1–127.
- Bevan, A. W. R. (2000). Meteorites from the Nullarbor: Keeping the tally. *4th International Mineralogy in Museums Conference, Program and Abstracts volume*: 25.
- Bevan, A. W. R. (2001). Review of Grady, M. M. (ed.), *Catalogue of Meteorites*, 5th edn, 689 pp. and CD-ROM, Cambridge University Press (2000). *Geological Magazine* **138**: 224.
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- Bevan, A. W. R., McNamara, K. J., Long, J. A. & Morgan, P. (2000). 'Diamonds to Dinosaurs': An integrated earth sciences gallery at the Western Australian Museum. *4th International Mineralogy in Museums Conference, Program and Abstracts volume*: 26.
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- Burbidge, A. H., McKenzie, N. L. & Harvey, M. S. (2000). Biodiversity of the southern Carnarvon Basin. *Records of the Western Australian Museum, Supplement* **61**: i–xi, 1–595.
- Burbidge, A. H., Johnstone, R. E., Fuller, P. J. & Stone, P. (2001). Terrestrial birds of the southern Carnarvon Basin, Western Australia: Contemporary patterns of occurrence. *Records of the Western Australian Museum, Supplement* **61**: 449–64.
- Clarke, J. D. A., Bone, Y., Cann, J. H., Davies, M., Macphail, M. K. & Wells, F. (2001). Post-glacial biota from the inner part of southwest Joseph Bonaparte Gulf. *Australian Journal of Earth Sciences* **48**: 63–79.
- Coate, K. H., Johnstone, R. E. & Lodge, G. A. (2001). Birds of Kingston Rest North-east Kimberley, Western Australia. *West. Aust. Nat.* **23** (1): 9–38.
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- Cooper, N. K., Aplin, K. P. & Adams, M. (2000). A new species of false antechinus (Marsupialia: Dasyuromorphis: Dasyuridae) from the Pilbara region, Western Australia. *Records of the Western Australian Museum* **20**: 115–36.
- Craig, R. S. (2000). Brachiopoda. In R. Singer (ed.), *Encyclopedia of Paleontology*. Fitzroy Dearborn Publications, Chicago.
- Craig, R. S. (2001). A new Jurassic brachiopod from the Newmarracarra Limestone, Perth Basin, Western Australia. *Records of the Western Australian Museum* **20**: 387–92.
- Craig, R. S. (2001). The Cenozoic Brachiopoda of the Bremer and Eucla Basins, southwest Western Australia. *Records of the Western Australian Museum* **20**: 199–236.
- Dippenaar-Schoeman, A. S. & Harvey, M. S. (2000). A check list of the pseudoscorpions of South Africa (Arachnida: Pseudoscorpiones). *Koedoe* **43**: 89–102.
- Done, T. J. & Marsh, L. M. (2000). Reef-building corals of Christmas Island. *Records of the Western Australian Museum, Supplement* **59**: 79–81.
- Dortch, C. E. & Smith, M. V. (2001). Grand hypotheses: Palaeodemographic modelling in Western Australia's South-west. *Archaeology in Oceania* **26**: 34–45.
- Downes, P. J. (2000). Magmatic evolution and emplacement history of the diamondiferous Aries kimberlite, Central Kimberley Block, Western Australia. *4th International Mineralogy in Museums Conference, Program and Abstracts volume*: 38.
- Downes, P. J. & Bevan, A. W. R. (2000). Chrysoberyl and associated mineralisation in metasomatised Archaean rocks at Dowerin, Western Australia. *4th International Mineralogy in Museums Conference, Program and Abstracts volume*: 38.
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- Gill, A. C., Mooi, R. D. & Hutchins J. B. (2000). Description of a new subgenus and species of the fish genus *Congrogadus* Gunther from Western Australia (Perciformes: Pseudochromidae). *Records of the Western Australian Museum* **20** (1): 69–79.
- Green, J. & Stanbury, M. (2001). Draft Management Plan for the protection and use of historic shipwreck and associated maritime heritage sites in the Wallabi Group of the Houtman Abrolhos System. Department of Maritime Archaeology, Western Australian Maritime Museum, Report no. 151.
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- Halse, S. A., Shiel, R. J., Stoey, A. W., Edward, D. H. D., Lansbury, I., Cale, D. J. & Harvey, M. S. (2000). Aquatic invertebrates and waterbirds of wetlands and rivers of the southern Carnarvon Basin, Western Australia. *Records of the Western Australian Museum, Supplement* **61**: 217–65.
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- Harvey, M. S. (2000). *Brignolizomus* and *Attenuizomus*, new schizomid genera from Australia (Arachnid: Schizomida: Hubbardiidae). *Memorie della Società Entomologica Italiana, Supplement* **78**: 329–38.
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- Harvey, M. S., Sampey, A., West, P. L. J. & Waldox, J. M. (2000). The Chilopoda and Diplopoda of the southern Carnarvon Basin, Western Australia. *Records of the Western Australian Museum, Supplement* **61**: 323–33.
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