

SOUTH AUSTRALIA

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**ANNUAL REPORT**

OF THE

**SOUTH AUSTRALIAN  
MUSEUM BOARD**

**2005-2006**



**September 2006**

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<b>CONTENTS</b>	<b>Page No.</b>
<hr/>	
1.   ROLE, LEGISLATION, STRUCTURE	3
<hr/>	
2.   ACHIEVEMENTS AND INITIATIVES	5
<hr/>	
Introduction	
Highlights	
Visitation	
Gallery Development	
Special Exhibitions	
Focus Exhibitions	
Touring Exhibitions	
Education Services	
Aboriginal Reconciliation	
Science	
The Collections	
Support Organisations	
Volunteer Support	
Work Experience	
Staff Achievements and Awards	
Commercial Activities	
Media	
Australian Science Media Centre	
Energy Efficiency	
<hr/>	
3.   PUBLICATIONS – SOUTH AUSTRALIAN MUSEUM STAFF 2005-06	20
<hr/>	
4.   STAFF LIST	31
<hr/>	
5.   EXECUTIVE EMPLOYMENT, STAFF EMPLOYMENT AND OTHER HUMAN RESOURCE MATTERS	35
<hr/>	
6.   OCCUPATIONAL HEALTH, SAFETY AND INJURY MANAGEMENT (OHS&IM)	39
<hr/>	
7.   FREEDOM OF INFORMATION ACT, 1991 PART 11 SECTION 9(2)	44
<hr/>	

8.	INDEPENDENT AUDIT REPORT	45
9.	FINANCIAL STATEMENTS	46
10.	NOTES TO THE FINANCIAL STATEMENTS	50

## **ANNUAL REPORT OF THE SOUTH AUSTRALIAN MUSEUM BOARD 2005-2006**

### **1. ROLE, LEGISLATION, STRUCTURE**

#### **ROLE AND LEGISLATION**

The role of management of the South Australian Museum is prescribed under the South Australian Museum Act, 1976-1985.

*To increase knowledge and understanding of our natural and cultural heritage: to serve the community by acquiring, preserving, interpreting and presenting to the public, material evidence concerning people and nature; and to provide opportunities for study, education and enjoyment.*

The South Australian Museum is a Division of Arts South Australia within the Department of the Premier and Cabinet. The South Australian Museum Board comprises eight people appointed by the Minister. The Board functions as a body corporate.

Members of the Board during 2005-06 were:

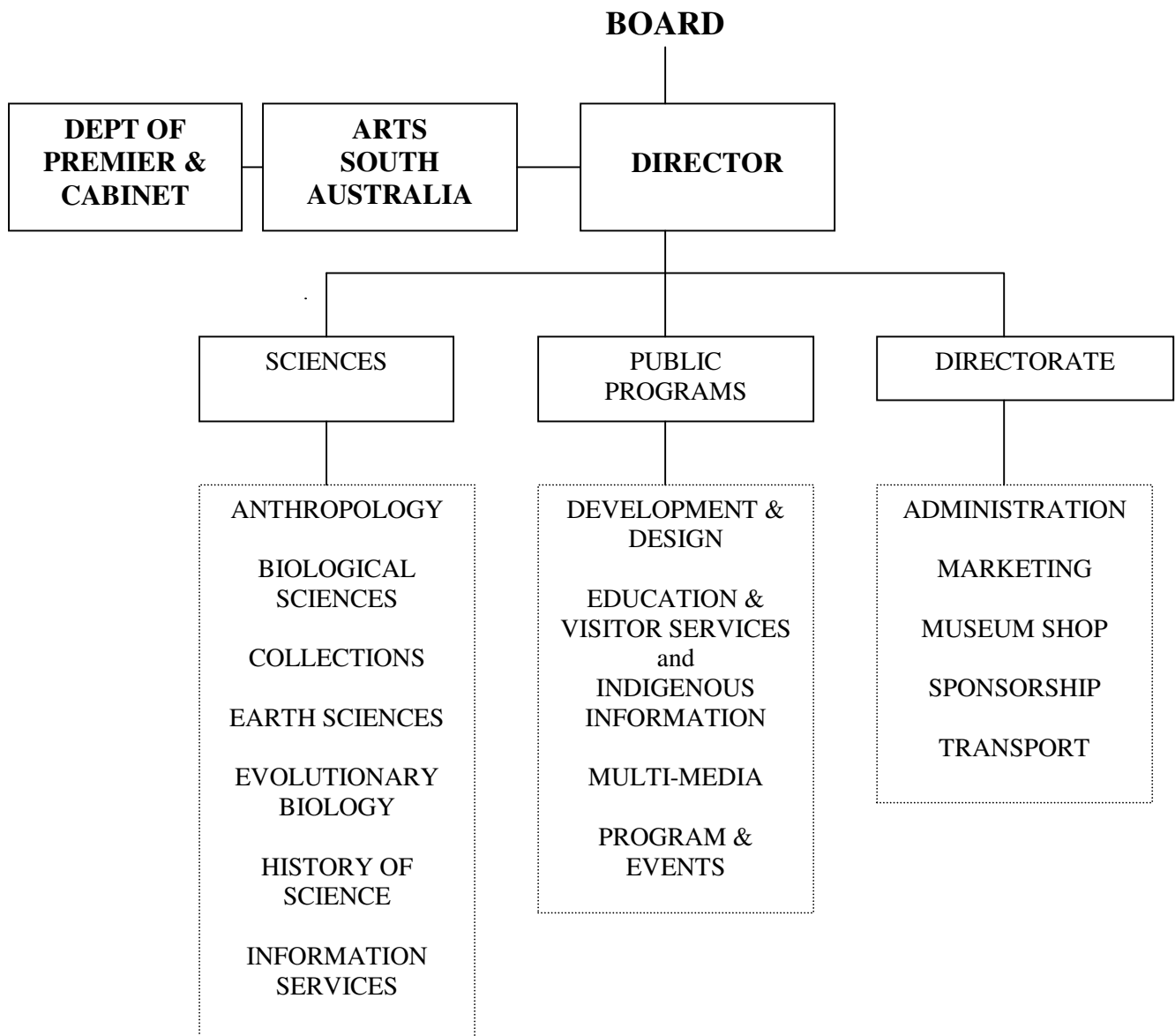
Mr John Ellice-Flint – Chair  
Mr Paul Ah Chee  
Ms Nyra Bensimon  
Dr Sue Carthew  
Mr Robert Edwards AO  
Ms Elizabeth Perry  
Mr Antony Simpson

#### **STRUCTURE**

The only significant change to the Museum's organisation was in the Public Programs area which saw the appointment of a Head of Public Programs Development. The reporting structure sees all Public Programs areas – Development and Design, Education and Visitor Services and Indigenous Services, Multi-media, and a new Project Officer, Program and Events – reporting to this position.

The organisational structure of the South Australian Museum is outlined in the following diagram.

**ORGANISATIONAL STRUCTURE**  
**Structure of the South Australian Museum as at 30 June 2006**



## **2. ACHIEVEMENTS AND INITIATIVES**

### **INTRODUCTION**

The Museum has faced a challenging year in maintaining its ongoing profile as both a leader in scientific research and a major community resource in its provision of cultural, academic and education outreach programs and activities. Throughout, the Museum has endeavoured to further its engagement with new audiences whilst maintaining its commitment to be the Museum for all South Australians.

It was with deep regret the Museum acknowledged Dr Tim Flannery's intention to resign as Director in the latter part of 2006 to pursue a Professorial appointment within Macquarie University. The Museum remains indebted to Tim Flannery for his outstanding leadership and commitment to the Museum and his contribution to raising the profile of the Museum with particular reference to its scientific research.

### **ALIGNMENT WITH SA STRATEGIC PLAN OBJECTIVES**

Museum's strategic plans are highly relevant to the SA Strategic Plan Objectives. In terms of **Objective 3: Attaining Sustainability**

The museum remains committed to its Energy Efficiency Action Plan, which has resulted in the reduced energy consumption levels being maintained. Plasma display screens in the museum's foyer provide our visitors with information on the power generation of our solar panels, the benefits of solar energy as an alternative energy resource, and green information relating to sustainable and renewable energy initiatives of Government. The museum has achieved further reductions in energy use through an ongoing campaign of energy awareness amongst staff. A National Recycling Week event held annually promoted the message - recycle; reuse, reduce and recover – to educate the public on what they can do at home and work to assist sustainability. Also the Museum's mini-scaled wetland, incorporating a bio-retention system, in the forecourt has helped the museum significantly reduce its water consumption, while promoting to the public its commitment to environmental sustainability.

#### **Objective 4: Fostering Creativity**

The museum continues to make substantial investments in primary scientific research, which is supported with external funding and through partnerships with the South Australian university sector. The dissemination of research results to the broader public is achieved through staff public lectures and media interviews, publications and exhibition programs as outlined further in this report.

### **HIGHLIGHTS**

#### **The Waterhouse Natural History Art Prize, August 2005**

Continuing its development as a major event within the Australian visual arts calendar, the 2005 Waterhouse Natural History Art Prize attracted a record number of entries. For the first time following the Adelaide exhibitions, a selection of winning entries and highly commended pieces were also exhibited at the National Archives of Australia in Canberra.

#### **North Terrace Redevelopment**

The Museum forecourt redevelopment including the new Bonython water-feature was opened in mid-October at a ceremony jointly presided over by the Premier, the Honourable Mike Rann, and the Lord Mayor of Adelaide, the Honourable Michael Harbison. The new water feature '14 Pieces', designed by Angela and Hossein Valamonesh, has quickly established itself as an iconic representation of the Museum's collections.

The forecourt development further incorporates a 'mini wetland' environment enabling the Museum to harvest storm water and reticulate it via an underground storage reservoir to provide irrigation for the forecourt planted areas. This component of the forecourt design provides a tangible statement of the Museum's ongoing commitment to sustainability and conservation.

The Museum was delighted that subsequently, the forecourt designers Taylor Cullity Lethlean, were awarded the prestigious Award for Excellence for Environment in Landscape Architecture by the Australian Institute of Landscape Architects.

### **Museum Roadshows**

The Museum continued its unique program of taking research scientists, education staff, exhibits and activities to communities throughout regional South Australia.

#### **Roadshows in the period travelled to:**

**Fleurieu Peninsula** – 19 - 21 August 2005 Goolwa and Victor Harbor

**Port Lincoln** - 18 - 19 November 2005 Port Lincoln Civic Hall for Schools Day/Family Day and High School for Workshops. This Roadshow included the inaugural Addyman Lecture given by Dr Tim Flannery and named in recognition of the late Mr John Addyman who, with his wife Molly, donated the Addyman Opalised Plesiosaur to the Museum in 2001.

**Palaeontology Week 2006** – 31 March to 2 April - incorporated regional visits to Kangaroo Island (Flinders Chase), Flinders Ranges (Brachina Gorge) and Coober Pedy. All visits included school workshops/field trips and Saturday family days

**Mt Gambier** – 12 - 13 May 2006 (Civic Hall and Sir Robert Helpmann Theatre the latter courtesy of Country Arts SA)

**Port Pirie** – 1 - 2 June 2006 (Northern Festival Centre courtesy of Country Arts SA)

### **Partnership with Netherlands**

In response to requests from the Leiden Royal Museum of Ethnology and the Aboriginal Art Museum of Utrecht the South Australian Museum provisioned loans from its acknowledged world-class Aboriginal Collection, assisting these two prestigious Dutch institutions to realise exhibitions commemorating the four hundredth anniversary of Dutch engagement with Australia.

### **Foundation**

Initiatives pursued by the Foundation enabled the Museum to acquire 45 waterlily totems and string bound poles made by women artists from the Arafura Wetlands of Arnhem Land. These artefacts were made as an attendant project to the Rolf de Heer film '10 Canoes' which premiered at the 2006 Adelaide Festival of Arts. The Poles are a stunning contemporary addition to the Museum's Aboriginal Collection.

In addition, the Foundation is actively assisting the Museum in raising funds for ongoing Gallery redevelopment.

### **Pacific Cultures Gallery Restoration**

Work commenced in late April on the restoration of the Pacific Cultures Gallery. The Gallery which occupies the entire first floor of the Museum's north wing is being restored in keeping with its original 19<sup>th</sup> Century ambiance. Removal of the artificial ceiling installed in the 1960's, will open up the original lantern-roof space. Air conditioning, lighting and floor-coverings are all being replaced whilst a redesigned exhibition format, incorporating state of the art audio/visual displays, is being progressed.

## **Research**

Continuing success in the capacity to achieve external grant funding has been maintained. Significant world wide attention was given to the findings of the research team including members of the South Australian Museum, who discovered a 'Lost World' during an expedition to the Foja Mountains of Papua New Guinea in November 2005. Amongst many achievements this expedition identified a new species of honeyeater, a new species of tree kangaroo, twenty new species of frogs and a new species of rhododendron that featured the largest rhododendron flower on record.

## **150<sup>th</sup> Anniversary**

18 June 2006 was the 150<sup>th</sup> Anniversary of the original legislation establishing the South Australian Museum. This landmark has been utilised to generate a range of programs celebrating the Museum's collections, research and overall contribution to South Australia. Related activities will continue throughout the anniversary year.

## **ETSA Utilities**

The Museum was delighted to be awarded a major sponsorship by ETSA Utilities.

Commencing from 1<sup>st</sup> July 2006 for an initial three-year period, this partnership will greatly assist in enhancing the quality and diversity of the content in the Museum's exhibition and Public Program activities.

## **VISITATION**

Visitation during the year 2005-06 numbered 730 032. This represented the second highest annual visitation recorded by the Museum and reflected an 11.6% increase on the 2004-05 year.

Within this overall visitation were 37 900 booked school visitors, ranging from pre-school to year 12. School visitors reflect both State and private schools throughout the metropolitan area with the majority of such visits being curriculum linked.

The enhanced visitation number is considered to reflect both the restored access to the Museum, following the conclusion of the North Terrace redevelopment and forecourt works, along with the Museum's diverse program of exhibitions and activities.

Concurrent with this visitation to the Museum's main North Terrace venue, there were a further 22 000 recorded visitors to the Museum's Science Centre. Public access to the Centre from 10.00am to 4.00pm Monday to Friday continues to prove of interest both to the general public as well as school students participating in the Museum's overall Education programs.

Visitor numbers to the Museum's Roadshow program are not definitively counted other than pre-booked school groups which during the period numbered some 3000 across all Roadshow venues. In addition, a similar number of the general public would have visited the community activities that also feature as a component of all Roadshows.

## **GALLERY DEVELOPMENT**

### **Origin Energy Fossil Gallery**

#### **Ediacara Gallery**

In August 2005 the Simpson Room, the Museum's new Ediacara Gallery on level 3 of the east wing, was opened.



The Gallery displays specimens of Ediacaran fossils demonstrating the diversity of these ancient life forms and incorporates a wide range of specimens drawn from the Flinders Ranges, an acknowledged world-standard repository of such fossils.

The Gallery is dedicated to the late Elizabeth Robson Simpson, a former Museum Board member and lifetime supporter of the Museum.

Work continues in respect to developing the Megafauna Gallery.

### **Pacific Cultures Gallery**

This Gallery exhibits the largest number of cultural objects from the Pacific Region to be found within any Australian museum. Some 3000 objects are on permanent display. The Gallery also has the unique distinction of having displayed Pacific material in the same space since 1895. The original display has, by addition, progressively occupied more space until in 1999 (during the last major building redevelopment of the Museum) the entire Gallery was given over to Pacific Cultures.

The restoration work (summarised in Highlights above) will return the Gallery to its original Victorian splendour, whilst also incorporating new audio/visual display technology. The audio/visual component will be utilised to show a perspective of the exploration of the Pacific area and the work of early anthropologists via film and photographic records drawn from the Museum's Archives.

The restored Gallery is scheduled to reopen to the public in late 2006.

### **IBM Australia**

During the year the Museum was pleased to partner an initiative with IBM Australia. This partnership has resulted in the Museum obtaining two stand-alone interactive multimedia units provisioned by IBM Australia. Each unit allows visitors the opportunity to engage with state-of-the-art graphic simulations and explore two related subject areas of the Museum's collections. The first of these relates to Ancient Egypt whilst the second offers a range of programs associated with the natural sciences under the generic heading 'Tri Science'.

The Museum is appreciative of the support provided by IBM Australia and the two modules are clearly proving an attractive resource to Museum visitors.

## **SPECIAL EXHIBITIONS**

The Museum has maintained a diverse program of exhibitions throughout the year.

### **Drugs – A Social History**

**27 May – 24 July 2005**

This Exhibition developed by the Historic Houses Trust of New South Wales, examined the attitudes of Australians to various drugs, both legal and illegal. Reflecting how drugs have influenced change in laws and social attitudes, the exhibition presented not only a fascinating social history but also addressed issues of addiction and social problems associated with drug abuse.

### **Waterhouse Natural History Art Prize**

**6 August – 11 September 2005**

In its third year, a record number of 609 entries were received from around Australia and overseas.

109 entries were chosen for the finalists exhibition. Judges this year were the Museum Director, Dr Tim Flannery, radio science broadcaster Robin Williams, and well-known columnist, broadcaster and art-lover Philip Adams.

Michael McWilliams' stunning portrayal of a thylacine in a natural bush landscape was announced as the overall winner of the 2005 Waterhouse Natural History Art Prize at a gala evening held at the Museum on Friday 5 August 2005.

Along with the record number of entries from artists, the exhibition of finalists' work also proved a major draw with a record number of some 30 000 visitors. It would appear the Waterhouse Natural History Art Prize has now clearly established itself on the Adelaide and National calendar.

For the first time following the exhibition of finalists' entries in Adelaide the exhibition then toured to the National Archives of Australia for further exhibition in Canberra.

### **Mummies – Ancient Egypt and the Afterlife**

**5 November 2005 – 5 February 2006**

This major international touring exhibition curated by the Royal Museum of Antiquities in Leiden, Holland, was the major visiting exhibition in the Museum for the 2005/2006 year. Reflecting the richness of Egyptian culture, the exhibition showcased a number of priceless artefacts including a sarcophagus and funerary adornments of Keku, a wealthy Egyptian woman who lived around 2700-2550 years ago.

Concurrent with the exhibition the Museum ran a diverse range of related activities aimed at younger visitors that promoted the grandeur of ancient Egypt and its culture.

### **Sounds from Level 4**

**25 February – 19 March 2006**

This new media exhibition undertaken by the Shoot Collective, with sound artist Tristan Louth-Robins, was the Museum's major contribution to the Adelaide Fringe Festival Visual Arts program: presenting bizarre sounds and unusual lighting that disorientated visitors to the fictitious fourth floor of the Museum. The installation prompted significant visitor feedback.

### **Wildlife Photographer of the Year**

**29 March – 14 May 2006**

This exhibition organised each year by the BBC Wildlife Magazine and the Natural History Museum of London, has become acknowledged as the international premier photographic exhibition depicting wildlife. More than 18 000 entries from 50 countries around the world were eventually culled to some 86 category-winners and highly commended works.

This is the third year the Museum has shown this exhibition and it is building a popular reputation amongst regular Museum visitors.

### **150 Years of Collecting**

**24 May – 9 July 2006**

Providing an insight into the Museum's collections, this self-curated exhibition was the main feature of the exhibition program to celebrate the Museum's 150<sup>th</sup> Anniversary. Reflecting both the diversity and depth of the Museum's collections whilst offering insight into the characters, stories and idiosyncrasies of the Museum collections activity and history, the exhibition provided a fascinating glance into the development of the Museum through the past 150 years.

The opening of the exhibition also allowed opportunity to promote the new sponsorship agreement with ETSA Utilities referenced under 'Highlights'.

## **Australian Aboriginal Cultures Gallery – Special Exhibitions**

- **Proof – Portraits from the Movement 1978 –2003**  
**4 June – 17 July**  
Reflecting the cultural and political struggle of two generations, the exhibition featured stunning black and white photographs of many of the key figures associated with the Indigenous Rights movement in Australia.
- **Indigenous Design**  
**12 August – 2 October**  
Curated by the Museum, the exhibition presented an insight into the capacity of Indigenous peoples to design a wide range of artefacts to ensure their survival and well-being in the harsh natural environment of traditional lands.
- **China Today – Modern Development of an Ancient Art**  
**6 October – 27 November**  
Presented with the assistance of the Chinese Embassy in Canberra, this exhibition focussed on a number of contemporary Chinese ceramic artists utilising the same technologies in their work as have prevailed in China for millennia. The exhibition provided an insight into the ever-continuing development of ancient techniques within contemporary forms.
- **From the Children – Kaurna Plains School Exhibition**  
**12 December – 29 January**  
Exhibited works were produced by students of the Kaurna Plains School from years 8 to 11. The captivating work within the exhibition reflected how these young Indigenous artists perceived their works as a gift and spiritual response to the world they find themselves in.
- **13 Canoes**  
**24 February- 26 March**  
Coinciding with the premier of the film ‘Ten Canoes’, written and co-directed by Rolf de Heer and Peter Djigirr which premiered at the Adelaide Festival of Arts, this exhibition introduced new artworks created by the Bula’bula Arts Aboriginal Corporation as a cultural project component of the ‘Ten Canoes’ film development. The exhibition also incorporated a number of black and white photographs circa 1937 taken by the anthropologist Donald Thomson. These photographs themselves provided an extensive structure of images that were replicated within the ‘Ten Canoes’ film.  
  
The exhibition was again presented as a component of the Adelaide Fringe Festival Visual Arts program and proved immensely popular with a wide-range of visitors.
- **Noblelene McKenzie-Stuart**  
**9 June – 9 July**  
Emerging indigenous artist Noblelene Mackenzie-Stuart presented an exhibition of her recent works. The paintings revealed stories of her Aboriginal heritage, with themes such as the moiety (kinship) groups of Adnyamathanha people (the traditional owners of the Northern Flinders Ranges), the rebirth and importance of the Arabanna language (from the country west of Lake Eyre) traditional foods and the abundance of vegetation that was available to the traditional owners, and observations of their life prior to European settlement. The exhibition gave a delightful insight into the life of a young woman embracing her culture and sharing it with others.

## **FOCUS EXHIBITIONS**

The Museum continued its program of hosting small specialist exhibitions throughout the year. The majority of these exhibitions were displayed in the Museum foyer or appropriate gallery spaces.

### **Show Off!**

As a component of the Museum's 150<sup>th</sup> Anniversary Celebrations the Museum invited, via extensive media advertising, South Australian collectors to nominate their particular collection to be 'shown off' at the Museum. Twelve collections were identified on the basis of one each month commencing in January 2006. The selected collections reflected the exceptional diversity and passion with which individuals pursue their collecting activity.

Collections participating in 'Show Off!' for the period have included:

January – old glass bottles, presented by Angus and Jack Tapscott

February – glass eyes and ophthalmic equipment, presented by Carol Coventry

March – TV and movie toys, presented by Matthew Gray

April – commemorative medallions, presented by Peter David

May – washing-up brushes, presented by Steve Keirl

June – Hawaiian shirts, presented by Richard Bruggemann

### **Student Show Off!**

Reflecting the above 'Show Off!' program, schools were invited to 'create' their own museum'. The Rosedale and Sandy Creek Primary Schools accepted this invitation and presented their own museum exhibitions. Rosedale's included horse toys, stamps, cars and football mementos whilst Sandy Creek's students presented a display of Japanese culture with their exhibition including Japanese toys, games, clothing and food.

### **Pueblo Pottery Exhibition – August 2005**

Based in the Science Centre this exhibition ran through August-September 2005 and displayed Native American Pueblo pottery, sourced from the Museum's ethnographic collection.

### **Bragg About Adelaide – August – September 2005**

Celebrating the achievements of the Adelaide-born Nobel Laureates William and Lawrence Bragg, the exhibition brought together professional and personal artefacts reflecting their careers both in Adelaide and later their time at the Royal Institution at Great Britain where both concluded their careers as Directors.

The exhibition occurred as part of the 'Thinker in Residence' program during the tenure of the Baroness Professor Susan Greenfield.

### **History of Brewing**

In October 2005, as a contribution to Tasting Australia, the Museum hosted a History of Brewing exhibition, examining the evolution of brewing by means of a niche display from the South Australian Brewing Company.

### **Inside SAM's Place**

Continuing the Museum's long-standing association with Craft South the Museum presented throughout the year a changing program exhibiting the work of South Australian craftspeople. These focus displays in the main foyer area achieve an enhanced profile for practicing South Australian craftspeople whilst introducing new audiences to contemporary craft practice. The Museum provided artists with access to the collections to enable them opportunity to draw inspiration in new and lateral interpretations applying to their work.

## **TOURING EXHIBITIONS**

### **The Policeman's Eye – The Frontier Photography of Paul Foelsche**

Following its successful exhibition at the Museum in early 2005 the Policeman's Eye – The Frontier Photography of Paul Foelsche curated by the South Australian Museum, has undertaken an ongoing national tour. During the year the exhibition has been hosted by the Western Australian Museum Perth, the Museum and Art Gallery of the Northern Territory Darwin, and the Brambuk Aboriginal Cultural Centre at Halls Gap Victoria.

### **Leiden**

As referenced in 'Highlights' the Museum undertook a major collaboration with the National Royal Museum of Ethnography of Leiden. This collaboration, with some 200 artefacts loaned from the Aboriginal collection, facilitated the exhibition 'Australia – The Land, The People', which opened in Leiden in January 2006 coincidental with Dutch celebrations marking the 400<sup>th</sup> Anniversary of Dutch engagement with Australia. The exhibition has received significant media coverage and appears likely to travel to other European and Asian venues in the latter part of 2006.

### **Utrecht**

In a similar manner to Leiden, the Aboriginal Art Museum of Utrecht formally approached the South Australian Museum with the request to loan the Yuendumu Doors from the Aboriginal collection. This loan provided the basis for an exhibition entitled 'Opening Doors' incorporating a wide range of contemporary Indigenous art. Again, the exhibition has been critically well received since its opening at Utrecht in early 2006 and is also scheduled to tour other European venues in the latter part of 2006.

### **Waterhouse Natural History Art Prize**

For the first time the Museum was able to tour the 2005 Waterhouse Prize winners to the National Archives of Australia in Canberra following exhibition in Adelaide. The opportunity to tour the works was seen to enhance both the profile of the competition and award-winning artists. The successful reception at the National Archives strongly suggests that touring the Waterhouse finalists beyond Adelaide may become a regular aspect of the competition.

## **EDUCATION SERVICES**

As indicated in 'Visitation', some 37 000 students from reception to year 12 visited the museum for curriculum linked 'hands-on' teaching and learning programs with education officers or an Indigenous Cultural Instructor. School groups also enjoyed self-guided programs across all museum galleries and exhibitions.

The most popular galleries visited include the Australian Aboriginal Cultures Gallery, the Origin Energy Fossil Galleries and Ancient Egypt. Popular trails included Australian Fauna, Skeletons, Marine Life and Extinct and Endangered Species. A series of very popular individual programs for schools were developed in association with the travelling exhibition, 'Mummies – Ancient Egypt and the Afterlife', the Fringe Festival's Youth Education Program, Palaeontology Week and the Urban Forest Organisation. In addition to these events, the Indigenous Youth Guide Program provided Indigenous students with a unique opportunity to develop their knowledge and skills working with school groups visiting the Australian Aboriginal Cultures Gallery.

### **Touring Exhibition Service (TES) to country schools**

The TES visited country schools in the South East, Eyre Peninsula, and mid North and provided teachers and 6700 students with access to the curriculum linked museum exhibition

'Life and Adaptations to Water'. New TES exhibition modules focussed on cutting edge museum science have been planned and will be developed for use during the next year.

### **Discovery Cases**

The Education Discovery cases available for loan to schools have increased in popularity through enhanced publicity and promotion. During the year a total of some 6450 students accessed hands-on specimens related to fossils and fossil fuel, insects, marine life, spiders, meteorites and Aboriginal use of technology.

### **Roadshows**

The two Museum-based education officers and support staff participated in the Museum's Roadshows to Mt Gambier, Fleurieu Peninsula, Pt Pirie, Pt Lincoln, Coober Pedy and the Flinders Ranges. Approximately 3000 school students participated in stimulating face-to-face teaching and learning activities with education staff, Indigenous staff, Museum and University of Adelaide scientists and tertiary students.

### **Palaeontology Week, National Science Week**

Highly successful teaching and learning programs were organised for both teachers and students in association with these two special events. A special Energy Trail was developed for visiting school groups during national Science Week as well as hands-on activities with staff from Energy SA.

### **Discovery Centre**

The Discovery Centre continues to provide a unique service to Museum visitors and fielded approximately 6000 enquiries, including phone calls and visits in person across all areas of the Museum's collections, exhibitions and galleries.

In addition, Discovery Centre staff have undertaken regular media interviews, both print and electronic, across metropolitan and regional locations. Further, the Discovery Centre is always a major feature of Museum Roadshows.

### **Holiday Programs**

Holiday programs continued to attract large numbers of families. The format of programs on offer changed radically during the 2005 summer season for the 'Mummies' exhibition. Instead of booked ticketed sessions, the Museum trialled activities where children and carers could stop by, enjoy an activity and leave when they wished. In addition by dropping charges to \$2 per activity, the Museum ensured more children and carers enjoyed both the natural history/science flavoured activities as well as Indigenous cultural activities presented in the Indigenous Information Centre.

Resulting in the experience of these changes, the Museum now offers group bookings to metropolitan vacation care programs.

### **Other Programs**

- **NAIDOC Week – July 2005**

The Museum presented a number of 'hands on' activities to raise awareness of Aboriginal and Torres Strait Islander culture and history. The program embraced story telling, didgeridoo workshops, art and craft workshops as well as traditional dance and song.

- **National Science Week – August 2005**

Utilising the theme 'Future Challenges' in consideration of such issues as water conservation, sustainability and current developments in science research, the Museum presented a diverse program of activities for National Science Week.

Key features included a Science Hub set up on the Armoury lawns hosting diverse workshops, lectures and performances.

Both the Museum's Science Centre and Bolivar preparatory facility offered 'behind the scene tours' whilst the week concluded with a science train aboard the Steamranger taking 460 passengers from Mount Barker to Goolwa.

- **Palaeontology Week – March 2006**

This annual event has significantly grown in stature since the first Palaeontology Week in 2003. This year the Museum was delighted to host our first international palaeontologist, Dr Philip Currie, Professor of Biological Sciences at the University of Alberta, Canada. Prior to this appointment Dr Curry had been Curator of Dinosaurs at the Royal Tyrell Museum in Alberta.

The week's program incorporated a number of activities, lectures and events with a strong family orientation. The week also incorporated regional activities in Naracoorte, Kangaroo Island, Flinders Ranges and Coober Pedy.

The diverse spread of activity and program continues to suggest Palaeontology Week is now established as a major feature in the Museum's calendar.

- **Biodiversity Week – September 2005**

Exploring the diverse Museum research projects profiling the State's Biodiversity, the week incorporated a range of presentations and activities featuring subject matter as diverse as frogs, bats, butterflies, and the marine environment.

- **Opal Month – October 2005**

Further building on the well-established relationship between the Museum and the Coober Pedy community this celebration showcased this extraordinary region of South Australia. Activities during the month included displays of historic mining equipment along with visitor opportunities for noodling and opal polishing. Events also incorporated an art display produced by Coober Pedy Primary School students.

- **Talks and Tours**

This program was established in 2003, and presents a monthly lecture given by either a member of Museum staff or specialist guest lecturer. Covering an eclectic range of subjects, the series continues to experience steady growth.

Presentations during the period have been:

- Energy to burn presented by museum director, presented by Dr Tim Flannery, August 2005
- Rainforest to desert - evolution of Australian vegetation, presented by Prof Robert Hill, September 2005
- Solving mysteries with ancient DNA, presented by Professor Alan Cooper, February 2006
- Adelaide: Man and Nature - the ecology of a dynamic city 1836 – 2036, presented by Associate Professor Chris Daniels, March 2006
- Walking to Antarctica? - You're 80 million years too late!, presented by Dr Karin Barovich, April 2006
- 150 years - a potted history of the museum and its collections, presented by Dr Philip Jones, May 2006
- Profiling the Collector, presented by Robert Morris, Head of Collections, June 2006

- **Indigenous Information Centre**

Throughout 2005-06 the Indigenous Outreach Program has, and continues to respond to a large and ongoing number of Aboriginal community requests.

The program has visited a number of Aboriginal communities and provided appropriate assistance and advice in the production and development of a number of community based projects throughout the South East, Riverland region, Mid North, Adelaide Plains region, the Eyre Peninsula region and the Flinders Ranges.

Of particular note was the assistance provided by the outreach program in the development of a significant Ngarrindjeri exhibition at Murray Bridge. The exhibition is a permanent display of Ngarrindjeri objects from the Museum collection that showcases the vision and technology of Ngarrindjeri peoples.

A further highlight includes assistance to the Ngadjuri community with the development of a Ngadjuri video regarding the history of the Ngadjuri lands and peoples. The video is used to promote the Mid North.

Ongoing development continues on exhibitions on the Aboriginal peoples of the River Murray region and development of Indigenous tourism possibilities throughout the South East.

The Museum Aboriginal Advisory Committee welcomed two new members appointed in April, Lowitja O'Donoghue and Lewis O'Brien.

## **ABORIGINAL RECONCILIATION**

The Museum maintains its wide engagement with the Aboriginal community through the service of its Indigenous Information Centre, Outreach Programs, and exhibitions specifically featuring Aboriginal culture.

The Museum remains an active participant in the Return of Indigenous Cultural Property (RICP) Program funded by the Federal Government. Ongoing consultations have been maintained with Aboriginal communities and senior custodians within South Australia and interstate. These consultations both inform the collections and have, as appropriate, led to the repatriation to traditional owners of Ancestral Remains and Secret Sacred Objects.

### **National Reconciliation Week**

The Museum was delighted to host the official launch of National Reconciliation Week on 29 May 2006. The launch also celebrated the signing of a Memorandum of Understanding between providers of care to aged and disabled sectors of the Aboriginal community.

## **SCIENCE**

2005-06 was again a very successful year for the Museum with the award of external research grants amounting to \$2,373,245, representing another major step forward in research productivity. The major research strengths continue to be Evolutionary Biology, Mineralogy, Palaeontology and Marine Science, and these mirror the significant areas of development opportunity as outlined in the State's Strategic Plan.

In particular, highlights include funding for cutting edge research in Mineralogy, which takes this research group well beyond the normal expectation of a Museum research unit as their work leads toward areas of significant economic impact for the State.

Evolutionary Biology continued its strong growth, with particular success in the Australian Research Council Linkage Grant scheme. The research carried out by this group includes



important work on conservation biology, which is critical to the protection of endangered species.

Palaeontology continues its strong performance, with world-class research on the Ediacaran biota and reptile evolution. Marine science continues to grow. One of the Museum's key researchers in this area, Dr Greg Rouse, left the Museum to assume a Professorial appointment at the Scripps Oceanographic Institute in California. This prestigious appointment indicates the high regard internationally for the Museum's best researchers. Marine researchers at the Museum have a strong input into the SARDI-led Marine Innovations SA (MISA), and we expect an even closer relationship to build in the future. Anthropology continued its research into the ethnographic collections, whilst the Museum Archives made significant progress in the digitisation and processing of Aboriginal collections required for Native Title.

Professor Steve Donnellan was part a team that was successful in receiving \$495,000 to fund a project titled 'Evolutionary biogeography in the lowland reptile and amphibian fauna from New Guinea'. This funding was provided by the prestigious National Science Foundation in the USA.

Museum Director Dr Tim Flannery and University of Adelaide Federation Fellow Professor Alan Cooper received \$470,000 from the Australian Research Council to research the project titled 'Using ancient DNA to investigate the environmental impacts of climate change and humans'.

Dr Steve Cooper also enjoyed outstanding research grant success. Amongst his projects being a \$297,000 grant from the Australian Research Council for a project titled 'Origins of invertebrate fauna in Australia since the Cretaceous: a molecular approach using bees as a model taxon'.

A significant component of the Museum's scientific research has been promulgated via a diverse range of publications as summarised later in this report.

## **THE COLLECTIONS**

### **Collections Revaluation 2003 – 2006**

As required within their overall obligation the South Australian Museum Board initiated revaluation of non-current assets to June 2006. The collections were re-valued under deprival valuation principles, in line with Treasury Accounting Policy Statements 2 and 3. These principles state that assets that would be replaced were an entity deprived of their future economic benefits, and are to be measured at the current cost of replacing those economic benefits.

In line with the methodologies previously adopted in 2003 a comprehensive survey of all collections was undertaken, incorporating collections valued either by net market principles or by a cost of recovery basis. Overall the Museum's collections have increased in value by some \$30 million, largely due to donations under the Tax Incentives for the Arts Scheme, more comprehensive sampling techniques and the application of CPI since the last valuation exercise.

Without doubt the intangible scientific, heritage, cultural or aesthetic 'value' of the Museums collections is generally considered of more 'value' to the community, than is pure market or replacement value. Nevertheless an understanding of the financial value of the collections is important to the Museum in determining collections management planning and risk mitigation for one of Australia's most important natural and cultural history collections.

### **Collections Digitisation**

Virtual access to collections data has been a priority for the Museum for some years. Building on recent initiatives all vertebrate collections data is now on a new 'KE EMu' Collections Management System. The Museum has also secured over \$100,000 from the Department of the Environment and Heritage, Canberra, towards specimen data capture and regularly contributes to national data capture and dissemination initiatives such as the Online Zoological Collections in Australian Museums (OZCAM) and the Australian Biodiversity Information Facility (ABIF). It is hoped that further funding in support of these activities will be secured in the future.

### **SUPPORT ORGANISATIONS**

The Museum has again enjoyed a year of outstanding support from its principal support organisations – The Friends of the South Australian Museum (FOSAM) and The Waterhouse Club.

2005 represented a significant milestone for FOSAM as their 40<sup>th</sup> Anniversary. When formed in 1965, FOSAM was the first such structured group to support Museum activities established in Australia. Over the years FOSAM has consistently supported the work of the Museum in raising funds for selected acquisitions and running a diverse program providing both FOSAM members and the general public with an insight and better understanding of the Museum collections and research activity. In addition, the ongoing FOSAM activity in providing appropriately qualified guides that offer Museum visitors daily free guided tours, reflects the dedication and outstanding commitment of FOSAM.

The Museum was delighted to formally acknowledge this contribution at a 40<sup>th</sup> Anniversary dinner held at the Museum.

The Waterhouse Club continued its diverse range of programs and activities supporting the Museum's operation. A series of expeditions to major fossil sites and anthropological sites both within South Australia and interstate have acquired not only new specimens for the Museum's collections but also generated funds which in turn were passed on to the South Australian Museum Foundation. The Club's fundraising activities, in respect of a mid-winter dinner and October picnic hosted at the Museum, proved to be outstandingly successful fundraisers and further enhanced the reputation of the Waterhouse Club in presenting 'different' occasions that generate financial support for the Museum.

The Museum remains grateful to both organisations for their ongoing commitment.

### **VOLUNTEER SUPPORT**

Drawing on a team of some 120 volunteers the Museum is able to enhance the provision of a wide range of services in support of its collections, research and visitor activities by the dedication of an extraordinary range of volunteers.

As well as the contribution made by individual volunteers, the Conservation Australia and Green Reserves programs have continued to provide valuable resources in the area of collection maintenance.

### **WORK EXPERIENCE**

In keeping with its community engagement the Museum remains a popular choice for secondary and tertiary students pursuing work experience placements. Some twenty placements have been awarded in areas across the Museum's Science and Public Program areas.

## **STAFF ACHIEVEMENTS AND AWARDS**

The Museum was delighted that Dr Allan Pring, Principal Researcher in Mineralogy, was awarded the 2005 Verco Medal by the Royal Society of South Australia in recognition of his research into the chemistry and physics of minerals. The Verco Medal is awarded for distinguished scientific work and is the highest honour available to the Royal Society.

Also within the Museum's Mineralogy group, Dr Joel Brugger was elected a Fellow of the Mineralogical Society of America.

Dr Tim Flannery, Director of the South Australian Museum, was awarded the New South Wales Premier's Literary Award for Non-Fiction in recognition of 'The Weather Makers'. This book, launched at the South Australian Museum in September 2005, has achieved international recognition and profiles the debate on global climate change.

The Museum was delighted with the distinction the above awards reflected on the Museum.

## **COMMERCIAL ACTIVITIES**

The Museum continues to develop its commercial activities with the objective of enabling such activities to support and provision further free access programs for visitors.

### **Venue Hire**

Continuing marketing endeavours have enhanced awareness and reputation of the Museum's venue hire opportunities. Without doubt, the conclusion of the North Terrace forecourt redevelopment works has facilitated improved opportunities in this area. In addition, an 'Open House' evening in May to which a significant number of conference/convention organisers were invited further presented the unique venue hire opportunities available within the Museum. Venue hire remains a developing source of revenue opportunity.

### **Museum Shop and Balaena Café**

Both activities have returned to projected budget performance post the North Terrace redevelopment. Additional Café facilities arising from the forecourt development is assisting improved turnover.

### **Sponsorship/Business Development**

Continuing partnerships with a wide range of commercial organisations have assisted the Museum in both cash and 'in kind' sponsorships. In particular the Museum has appreciated the partnerships associated with the support of individual exhibitions particularly those organisations that have assisted the Waterhouse Natural History Art Prize.

The Museum remains ever grateful for the support of all its sponsor partners and donors.

### **Community Support**

Maintaining its commitment to community engagement the Museum has been pleased to assist a range of not-for-profit community groups and organisations by the provision of its facilities free of any charge. These facilities have then been used for various fundraising functions, launches and celebrations.

In addition, Museum staff have significantly contributed their time and expertise as guest speakers and presenters to an extensive range of community groups, schools, service clubs and special interest groups throughout the year.

## **MEDIA**

The Museum continues to enjoy positive exposure in all forms of electronic and print media, both locally and nationally. This ongoing relationship reflects the capacity of the Museum to generate interesting editorial coverage in respect of its exhibitions and activities whilst also being able to provide, as appropriate, expert opinion relating to the diverse range of research activities being pursued by Museum staff. This media coverage has been generated across an extensive range of media outlets and further built on the media partnerships the Museum enjoys with The Advertiser and 891 ABC Adelaide for specific exhibitions and activities.

### **Website**

The Museum continues development of its website with further resources having been committed to facilitate easier update of general Museum information and current and forthcoming Museum programs. Additionally, the Museum is further developing the use of electronic newsletters and continues to build its recipient database for these communications.

During the year the website experienced a significant increase in user numbers recording just over 870 000 visits.

### **AUSTRALIAN SCIENCE MEDIA CENTRE (AusSMC)**

During the year the Museum was pleased to welcome the Australian Science Media Centre. Occupying offices in the Museum's Armoury building, the AusSMC is a new initiative supported by the State Government and a range of private media organisations with the objective of making science more readily accessible to all forms of national media outlets.

Formally opened in August 2005 the AusSMC significantly compliments the Museum's own endeavours in promoting contemporary science research to the community at large.

## **ENERGY EFFICIENCY**

The Museum maintains its commitment to energy efficiency by means of an ongoing program supported by all Museum staff in seeking and implementing a wide range of general house-keeping initiatives to minimise energy usage. This activity is now also incorporated in the Museum's approach to exhibition design and gallery development.

The commissioning of the new forecourt during the year has appreciably contributed to the tangible endeavours pursued by the Museum in water conservation. The forecourt incorporates a mini wetland enabling the Museum to harvest storm water through the wetland system. This water is then stored in a reservoir beneath the western forecourt lawn from which it is then utilised for forecourt irrigation. This system is presently meeting some 75% of the Museum's irrigation requirements.

In addition, a selective replanting of the Science Centre forecourt areas has been accomplished. This development has also incorporated the provision of new rainwater storage tanks fed from the roof of the Science Centre, which has now rendered this area as essentially self-sufficient in its water requirements.

### 3. PUBLICATIONS – SOUTH AUSTRALIAN MUSEUM STAFF 2005-06

1. Jusaitis, M., and **Adams, M.** (2005). Managing low genetic diversity in *Acanthocladium dockeri*. *Australasian Plant Conservation* **13**: 26-27.
2. Jusaitis, M., and **Adams, M.** (2005). Genetic evidence for clonality in the endangered shrub *Acanthocladium dockeri* (Asteraceae). *Australian Journal of Botany* **53**: 535-544.
3. Triantafillos, L., and **Adams, M.** (2005). Genetic evidence that the northern calamary, *Sepioteuthis lessoniana*, is a species complex in Australian waters. *ICES Journal of Marine Science* **62**: 1665-1670.
4. **Barker, S.** (2005). Nine new species of Castiarina Gory & Laport, 1838 (Coleoptera: Buprestidae). *Zootaxa*, **1062**: 57-68.
5. **Barker, S.** (2006). Castiarina, Australia's richest jewel beetle genus. ABRS, Canberra.
6. **Black, A.B.** and Walker, S. (2006). Chestnut-breasted Quail-thrush and atypical quail-thrushes observed west of Coober Pedy. *South Australian Ornithologist* **34**: 275-279.
7. **Boll, V.** and McArthur, L. (2005). Sur les traces de *Garkman*, la grenouille, dans le Nord-Est de la Terre d'Arnhem (Australie). (Following *Garkman*, the frog in North-East Arnhem Land, Australia). *Journal de la Société des Océanistes* **120-121** (1-2): 41-55.
8. Pring, A. and **Brugger, J.** (2005). How fast do minerals grow? Guest editorial for *The Australian Journal of Mineralogy*, **11**: 3-6.
9. **Brugger, J.**, Long, N., McPhail, D.C. and Plimer, I. (2005). An active amagmatic hydrothermal system: The Paralana hot springs, Northern Flinders Ranges, South Australia. *Chemical Geology*, **222**: 35-64.
10. Wilde, A., McPhail D., **Brugger, J.**, McKnight S. and Garnett D. (2005). Preliminary Study of the Source of Base Metals in MVT Deposits of the Canning Basin, Western Australia: in Mao J. and Bierlein F. (eds), Mineral Deposit Research: Meeting the Global Challenge: Proc. 8th Biennial SGA Meeting Beijing China, Springer, pp. 195 - 198.
11. **Brugger, J.**, Krivovichev, S., Meisser, N., Ansermet, S. and Armbruster, T. (2006). Na(Mn,Mg,Zn)<sub>9</sub>[VS<sub>9</sub>O<sub>28</sub>(OH)](OH)<sub>3</sub>, a new chain silicate from the Fianel Mine, Val Ferrera, Swiss Alps. *American Mineralogist*, **91**: 937-943.
12. **Brugger, J.** and Meisser, N. (2006). Mineralogy and petrology of the metamorphosed manganoan paleokarst fillings in Turtmanntal, Central Alps, Switzerland. *Canadian Mineralogist*, **44**: 229-248.
13. **Brugger, J.**, Wallwork, K., Ondrus, P. and Meisser, N. (2006). Pseudojohannite, Cu<sub>5</sub>(UO<sub>2</sub>)<sub>6</sub>(SO<sub>4</sub>)<sub>3</sub>(OH)<sub>16</sub>•14H<sub>2</sub>O, a new mineral of the zippeite-group. *American Mineralogist*, **91**: 929-936.

14. **Brugger, J.**, Wallwork, K.S., Meisser, No., Pring, A., Ondrus, P. and Cejka J. (2006). Pseudojohannite from Jachymov, Musonoi, and La Creusaz: A new member of the zippeite-group. *American Mineralogist*, **91**: 929-936.
15. **Clarke, P.A.** (2005). Aboriginal relationships with grass. Pp.1-5. *Grasslands Conservation and Production: Both Sides of the Fence*. Proceedings of the Fourth Stipa National Conference on the Management of Native grasses and Pastures, Burra, SA. 11<sup>th</sup> - 13<sup>th</sup> October 2005. Stipa, Wellington, New South Wales.
16. **Clarke, P.A.**, Gepp, B., Vickery, F., Wouters, M. & Henderson, M. (2005). The Urban Forest 4: Fire, Biology and City Living. Pp.422-53 in C.B. Daniels & C.J. Tait (eds) 'Adelaide. Nature of a City. The Ecology of a Dynamic City from 1836 to 2036'. BioCity: Centre for Urban Habitats, Adelaide.
17. Leys, R., **Cooper, S.J.B.**, Strecker, U., and Wilkens, H. (2005). Regressive evolution of an eye pigment gene in independently evolved eyeless subterranean diving beetles. *Biology Letters of the Royal Society of London* **1**: 496-499 (published online 10 August).
18. **Cooper S. J. B.**, Wheeler, D., De Leo, A. A., Cheng, J. F., Holland, R. A. B., Graves, J. A. M., and Hope, R. M. (2006). The mammalian  $\alpha^D$ -globin gene lineage and a new model for the molecular evolution of  $\alpha$ -globin gene clusters at the stem of the mammalian radiation. *Molecular Phylogenetics and Evolution* **38**: 439-448.
19. Schwarz, M.P., Fuller, S., Tierney, S.M. and **Cooper, S.J.B.** (2006). Molecular phylogenetics of the exoneurine allodapine bees reveal an ancient and puzzling dispersal from Africa to Australia. *Systematic Biology* **55**: 31-45.
20. Beran, H. and **Craig, B.** (eds) (2005). *Shields of Melanesia*. Adelaide: Crawford House Publishing Australia. Author of Introduction (pp.1-12), North coast Sepik-Ramu region (pp.32-45), Sepik-Ramu Region (pp. 71-110), Highlands of central New Guinea (pp. 117-125).
21. **Craig, B.** (2005). What can material culture studies tell us about the past in New Guinea? Pp. 493-513 in: *Papuan Pasts: cultural, linguistic and biological histories of Papuan-speaking peoples*. Eds. A. Pawley, R. Attenborough, J. Golson and R. Hide. Canberra: Pacific Linguistics, RSPAS, ANU.
22. Van Camp, L.M., Fairweather, P.G., Steer, M.A., **Donnellan, S.C.**, Havenhand, J.N.(2005). Linking male and female morphology to reproductive success in captive calamari (*Sepioteuthis australis*). *Marine and Freshwater Research* **56**: 933-941.
23. Skinner, A., **Donnellan, S.C.**, Hutchinson, M.N., Hutchinson, R.G. (2005). A phylogenetic analysis of *Pseudonaja* (Hydrophiinae, Elapidae, Serpentes) based on mitochondrial DNA sequences. *Molecular Phylogenetics and Evolution* **37**: 558-571.
24. Murphy, N.P., Framenau, V.W., **Donnellan, S.C.**, Harvey, M., Park, Y-C., Austin, A.D.(2006). Phylogenetic reconstruction of the wolf spiders (Araneae: Lycosidae) using sequences from the *12S rRNA*, *28S rRNA* and *NADH1* genes: implications for classification, biogeography and the evolution of web building behavior. *Molecular Phylogenetics and Evolution* **38**: 583-602.
25. Frost, D.R., Grant, T., Faivovich, J., Bain, R., Haas, A., Haddad, C.F.B., de SA RO, Channing, A., Wilkinson, M., **Donnellan, S.C.**, Raxworthy, C., Campbell, J.A.,

- Blotto, B.L., Moler, P., Drewes, R., Nussbaum, RA, Lynch, JD, Green, D, Wheeler, W. (2006). The amphibian tree of life. *Bulletin of the American Museum of Natural History* **297**: 370pages.
26. Mahony M., **Donnellan, S.C.**, Richards S.J., McDonald K. (2006). Species boundaries among barred river frogs, *Mixophyes* (Anura: Myobatrachidae) in north-eastern Australia, with descriptions of two new species. *Zootaxa* **1228**: 35-60.
  27. Pukala T.L., Bertozzi T., **Donnellan, S.C.**, Bowie J.H., Surinya-Johnson K.H., Liu Y., Jackway R.J., Fevrier S., Doyle J.R., Llewellyn L.E., Tyler M.J., Wallace J.C. (2006). Host-defence peptide profiles of the skin secretions of interspecific hybrid tree frogs and their parents, female *Litoria splendida* and male *Litoria caerulea*. *The FEBS Journal* (published online 7 July 2006).
  28. **Flannery, T.F.** (2005). *The Weather Makers: the history and future impact of climate change*. Text, Melbourne.
  29. Burney, D. & **Flannery, T.F.** (2005). Fifty millennia of catastrophic extinctions after human contact. *Trends in Ecology and Evolution*: **20**(7): 395-401.
  30. Rich, T.H., Hopson, J.A., Musser, A.M., **Flannery, T.F.** & Rich, P.V. (2005). Response to comments on Independent Origins of Middle Ear Bones in Monotremes and Therians. *Science* **309**: Technical Comment 1492c
  31. Rich, T.H., Hopson, J.A., Musser, A.M., **Flannery, T.F.**, & Vickers-Rich, P. (2005). Independent origins of middle ear bones in monotremes and therians. *Science* **307**: 910-914.
  32. 130. **Flannery, T.F.** (2005). Collapse: how societies choose to fail or succeed [Book Review]. *Science* **307**: 45.
  33. Swan, G. and **Foster, R.** (2005). The reptiles and amphibians of Mutawintji National Park, Western New South Wales. *Australian Zoologist* **33**(1): 39-48.
  34. Grey, K., Laurie, J., and **Gehling, J.G.** (2005).The “New” Ediacaran Period. *AusGeo News* **80**.
  35. **Gehling, J.G.**, Droser, M. L., Jensen, S. R. and Runnegar, B.N. (2005). Ediacaran organisms: relating form and function. In: D. E. G. Briggs. Editor. *Evolving Form and Function: Fossils and Development; a symposium honoring the scientific contributions of Adolf Seilacher in celebrating his 80<sup>th</sup> birthday*; 2005 Apr 1-2; New Haven. New Haven Peabody Museum of Natural History, Yale University. pp. 43-67.
  36. Droser, M. L., **Gehling, J. G.**, and Jensen, S. R. (2005). Ediacaran trace fossils: true and false. In: D. E. G. Briggs. Editor. *Evolving Form and Function: Fossils and Development; a symposium honoring the scientific contributions of Adolf Seilacher in celebrating his 80<sup>th</sup> birthday*; 2005 Apr 1-2; New Haven. New Haven Peabody Museum of Natural History, Yale University. pp. 127-140.
  37. Narbonne, G.M, **Gehling, J.G.**, Dalrymple, R.W., LaFlamme, M. and Boyce, D. (2005). *Life After Snowball: The Mistaken Point Biota and the Cambrian of Avalon*. Avalon Peninsula, Newfoundland, June 13-19.

38. Droser, M. L., **Gehling, J.G.** and Jensen, S.R. (2006). Assemblage palaeoecology of the Ediacara biota: The unabridged edition? *Palaeogeography, Palaeoclimatology, Palaeoecology* **232**: 131-147.
39. Lin, J-P., Gon III, S.M., **Gehling, J.G.**, Babcock, L.E., Zhao, Y-L., Zhang, X-L., Hu, S-X. Yuan, J-L., Yu, M-Y. & Peng, J. (2006). A *Parvancorina*-like arthropod from the Cambrian of South China. *Historical Biology*, **18**: 33-45.
40. **Horton, P.** and **Black, A.B.** (2006). The Little Lorikeet in South Australia, with notes on the historical status of other lorikeets. *South Australian Ornithologist* **34**: 229-243.
41. Blaylock, B.J. and **Horton, P.** (2006). Authorship and typification of *Strepera fusca*. *South Australian Ornithologist* **34**: 288-290.
42. Reed, E. H. & **Hutchinson, M. N.** (2005). First record of a giant varanid (*Megalania*, Squamata) from the Pleistocene of Naracoorte, South Australia. *Memoirs of the Queensland Museum* **51**: 203-213.
43. Chapple, D.G., Keogh, J. S., & **Hutchinson, M. N.** (2005). Substantial genetic substructuring in southeastern and alpine Australia revealed by molecular phylogeography of the *Egernia whitii* (Lacertilia: Scincidae) species group. *Molecular Ecology* **14**: 1279 - 1292.
44. Skinner, A., **Donnellan, S. C.**, **Hutchinson, M. N.** & **Foster, R.** (2005) A phylogenetic analysis of *Pseudonaja* (Hydrophiinae, Elapidae, Serpentes) based on mitochondrial DNA sequences. *Molecular Phylogenetics and Evolution* **37**: 558-571.
45. **Hutchinson, M.N.**, Thompson, M.B. & Stewart, J.R. (2005). *Lampropholis delicata* (Delicate Skink, Rainbow Skink). Introduction to Lord Howe Island. *Herpetological Review*. **36**: 450-451.
46. Tait, C. M., **Hutchinson, M. N.** & Tyler, M. J. (2005). The Urban Ark 4: The historical evolution of the reptile and amphibian communities. In 'Adelaide, Nature of a City', (Daniels, C. B. & Tait, C. M., eds).
47. **Hutchinson, M. N.**, Adams, M. & Fricker, S. (2006). Genetic variation and taxonomy of the *Ctenotus brooksi* species-complex (Squamata: Scincidae). *Transactions of the Royal Society of South Australia* **130**: 48-65.
48. **Jones, P.G.** (2005). Reflections on Spencer and Gillen's respective roles in 1896-97. Pp. 32-35 in P. Batty, L. Allen & J. Morton (eds.) *The Photographs of Baldwin Spencer*. The Miegunyah Press & Museum Victoria, Melbourne.
49. **Jones, P.G.** (2005). Bartering for baskets. Pp.29-39 in L. Hamby (ed.) *Twined Together. Kunmadj Njalehnjaleken*. Injalak Arts and Crafts, Gunbalanya.
50. **Jones, P.G.** (2005). 'Indispensable to each other': Spencer and Gillen or Gillen and Spencer? *Strehlow Research Centre Occasional Paper 4*, pp.6-25.
51. **Kear, B.P.** (2005). First gut contents in a Cretaceous sea turtle. *Biology Letters*. DOI:10.1098/resbl.2005.0374 (published in advance online). Featured in Nature (Research Highlights). 2005. **438**: 132.



52. **Kear, B.P.** (2005). Cranial morphology of *Platypterygius longmani* Wade, 1990 (Reptilia: Ichthyosauria) from the Lower Cretaceous of Australia. *Zoological Journal of the Linnean Society* **145**: 583-622.
53. **Kear, B.P.** (2005). A new elasmosaurid plesiosaur from the Lower Cretaceous of Queensland, Australia. *Journal of Vertebrate Paleontology* **25**: 792-805.
54. **Kear, B.P.** (2005). Marine reptiles from the Lower Cretaceous (Aptian) deposits of White Cliffs, southeastern Australia: implications of a high-latitude cold water assemblage. *Cretaceous Research* **26**: 769-782.
55. **Kear, B.P.** & Lee, M.S.Y. (2005). A primitive protostegid from Australia and early sea turtle evolution. *Biology Letters*. DOI:10.1098/rsbl.2005.0406 (published in advance online).
56. **Kear, B.P.**, Long, J.A. & Martin, J.E. (2005). A review of Australian mosasaur occurrences. *Netherlands Journal of Geosciences* **84**: 307-313.
57. **Kear, B.P.** (2005). Dauerfrost in Downunder, P.M. *Best of Science* **9**: 14-15. (in German).
58. **Kear, B.P.** (2005). Australia's Ancient Sea Monsters. *Australasian Science* **71**: 20-23.
59. **Kear, B.P.**, (2006). First gut contents in a Cretaceous sea turtle. *Biology Letters* **2**, 113-115. Featured in *Nature* [Research Highlights]. 2005. 438, 132.
60. **Kear, B.P.**, (2006). Marine reptiles from the Lower Cretaceous of South Australia: elements of a high-latitude cold water assemblage. *Palaeontology* **49**, 837-856.
61. **Kear, B.P.**, (2006). Plesiosaur remains from Cretaceous high-latitude non-marine deposits in southeastern Australia. *Journal of Vertebrate Paleontology* **26**, 196-199.
62. **Kear, B.P.**, (2006). Book Review: *Tasmanian Tiger*. David Owen. Baltimore, Maryland: Johns Hopkins University Press. 2003 (U.S. edition 2004). 228 pp., \$25.00 (hardcover). ISBN 0-8018-7952-3. *Journal of Mammalian Evolution* (published in advance online) DOI: 10.1007/s10914-006-9011-9.
63. **Kear, B.P.** & Lee, M. S. Y., (2006). A primitive protostegid from Australia and early sea turtle evolution. *Biology Letters* **2**, 116-119.
64. **Kear, B.P.**, Schroeder, N. I., & Lee, M. S. Y., (2006). An archaic crested plesiosaur in opal from the Lower Cretaceous high latitude deposits of Australia. *Biology Letters* DOI:10.1098/rsbl.2006.0504 (Released in advance online).
65. **Kear, B.P.**, Schroeder, N. I., Vickers-Rich, P. & Rich, T. H., (2006). Early Cretaceous high latitude marine reptile assemblages from southern Australia. *Paludicola* **5**, 200-205.
66. Byard, R. W., **Kemper, C.M.**, Bossley, M., Kelly, D, Hill, M. (2006). Veterinary forensic pathology: the assessment of injuries to dolphins at postmortem. *Forensic Pathology Reviews* **4**: 415-434.

67. **Kemper, C.** (2006). An overview of recent marine mammal research in Australia. Pp. 279-288 in Tomida *et al.* (Eds) Proceedings of the 7<sup>th</sup> and 8<sup>th</sup> Symposia on Collection Building and Natural History Studies in Asia and the Pacific Rim. *National Science Museum Monographs* **34**.
68. Yamada, T. K., **Kemper, C.**, Tajima, Y., Umetani, A., Janetzki, H. and Pemberton, D. (2006). Marine mammal collections in Australia. Pp. 117-126 in Tomida *et al.* (Eds) Proceedings of the 7<sup>th</sup> and 8<sup>th</sup> Symposium on Collection Building and Natural History Studies in Asia and the Pacific Rim. *National Science Museum Monographs* **34**.
69. **Kemper, C.** (2005). Adelaide's Marine Mammals. In: C. B. Daniels and C. J. Tait (Eds) Adelaide nature of a city, the ecology of a dynamic city from 1836 to 2036.
70. **Kolesik, P.**, Geyer, C and Morawetz, W. (2006). First known gall midge (Diptera: Cecidomyiidae) from Arecaceae: *Normanbyomyia fructivora* gen. et sp. n. damaging fruit of the black palm, *Normanbya normanbyi* in tropical Australia. *Aust. J. Ent.* **45**: 38-43.
71. **Lavigne, R.J.** & Bullington, S. (2005). Notes on the ethology of *Bohartia martini* Adiseomarto and Wood (Diptera: Asilidae) in Wyoming, USA. *Proceedings of the Entomological Society of Washington* **107**: 968-970.
72. **Lavigne, R.J.** (2006). A new species of *Chrysopogon* from South Australia (Diptera: Asilidae: Dasypogoninae). *Transactions of the Royal Society of South Australia* **130**: 66-70.
73. **Lee, M.S.Y.** (2005). Choosing stable reference taxa in phylogenetic nomenclature. *Zoologica Scripta* **34**: 313-318.
74. **Lee, M.S.Y.** (2005). Squamate phylogeny revisited: taxon sampling, character analysis, and data congruence. *Organisms, Diversity and Evolution* **5**: 25-45.
75. **Lee, M.S.Y.** (2005). Molecular evidence and snake origins. *Biology Letters* **1**: 227-230.
76. Wilson, N. G., **Lee, M.S.Y.** (2005). Molecular phylogeny of *Chromodoris* (Mollusca, Nudibranchia) and the identification of a planar spawning clade *Molecular Phylogenetics and Evolution* **36**: 722-727.
77. **Kear, B.** and **Lee, M.S.Y.** (2006). A primitive protostegid from Australia and early turtle evolution. *Biology Letters* **2**: 116-119.
78. **Lee, M. S. Y.** and Hugall, A. E. (2006). Model type, implicit data weighting, and model averaging in phylogenetics. *Molecular Phylogenetics and Evolution* (Advance online publication Oct 2005).
79. **Lee, M.S.Y.** (2006). Morphological phylogenetics and the universe of possible characters. *Taxon* **55**: 5-7.
80. **Lee, M.S.Y.** and Anderson, J. A. (2006). Molecular clocks and the origin of living amphibians. *Molecular Phylogenetics and Evolution* **40**: 635-639.

81. **Leys, R.**, Steven J. B. Cooper, Strecker U. and Horst Wilkens (2005). Regressive evolution of an eye pigment gene in independently evolved eyeless subterranean diving beetles. *Biology letters*.**10**:1098/rsbl.2005.0358.
82. Bromham, L. and **Leys R.** (2005). Sociality and the rate of molecular evolution. *Molecular Biology and Evolution* **22**:1393-1402.
83. Watts, C. H. S. and **Leys R.** (2005). Review of the epigeal species of Australian *Limbodessus* Guignot (Insecta: Coleoptera: Dytiscidae). *Transactions of the Royal Society of South Australia*.**129**(1):1-13.
84. Wallman, J. F., **Leys, R.** and Hogendoorn, K. (2005). Molecular systematics of Australian carrion-breeding blowflies (Diptera: Calliphoridae) based on mitochondrial DNA. *Invertebrate Systematics* **19**:1-15.
85. Eberhard, S., **Leys, R.**, and Adams, M. (2005). Conservation of subterranean biodiversity in Western Australia: using molecular genetics to define spatial and temporal relationships in two species of cave dwelling Amphipoda. *Subterranean Biology* **3**:13-27.
86. **Matthews, E. G.** and Lawrence, J. F. (2005). New taxa, new synonymy and new generic records for Australian Tenebrionidae (Coleoptera). *Annales Zoologici* (Warszawa) **55**(4): 531–547.
87. **Pledge, N. S.** (2005). A new species of early Oligocene cetacean from Port Willunga, South Australia. *Memoirs of the Queensland Museum* **51**: 123-133.
88. **Pledge, N. S.** (2005). The Riversleigh Wynyardiids. *Memoirs of the Queensland Museum* **51**: 135-169.
89. **Pring, A.** and **Brugger, J.** (2005). How fast do minerals grow? *Australian Journal of Mineralogy* **11**: 1-4.
90. Kolitsch, U., Gröbner, J., Blaß, G., Graf, H. und **Pring, A.** (2005). Neufunde aus der Grube Clara im Schwarzwald (II): Dreyerit, Gasparit-(Ce), Klinobisvanit, Kobaltkoritnigit, Tyuyamu, Roscoelith, Sengierit, *Vésigniéit & Wakefieldit Lapis*, **30**: 35-39.
91. Ciobanu, C.L., Cook, N.J., and **Pring, A.** (2005). Bismuth tellurides as gold scavengers. In Mao J and Bierlein, F.P. Mineral Deposits Research: *Meeting the Global Challenge*. Springer Berlin, 1383-87.
92. **Snow, M.R.** and **Pring, A.** (2005). The Mineralogical Microstructure of shells: Part 2 Origins of the iridescence colors in abalone shell. *American Mineralogist* **90**: 1705-1711.
93. **Pring, A.**, Kolitsch, U. and Birch, W.D. (2005). Description and unique crystal structure of waterhouseite, a new hydroxy manganese phosphate from the Iron Monarch deposit, Middleback Ranges, South Australia. *Canadian Mineralogist*, **43**: 1401-1410.
94. Wang, H., **Pring, A.**, Ngothai, Y., O'Neill, B. (2005). The kinetics of the  $\alpha \rightarrow \beta$  transition in nickel monosulfide and the synthesis of  $\alpha$  nickel monosulfide. *American Mineralogist* **91**: 171-181.

95. **Pring, A.**, Wallwork, K., Brugger, and Kolitsch, U. (2006). Paratooite-(La), a new lanthanum-dominant rare-earth copper carbonate from Paratoo, South Australia. *Mineralogical Magazine* **70**:(1) 131-138.
96. Wang, H., **Pring, A.**, Ngothai, Y., O'Neill, B.(2006). The mechanism and kinetics of  $\alpha$ -NiS oxidation in the temperature range 670-700 °C. *American Mineralogist* **91**: 537-543, 2006.
97. Tenailleau, C., **Pring, A.**, Etschmann, B., **Brugger, J.**, Grguric, B. and Putnis, A. (2006). Transformation of pentlandite to violarite under mild hydrothermal conditions. *American Mineralogist*, **91**: 706-709.
98. Goh, S.W., Buckley, A.N., Lamb, R.N, Skinner, W.M., **Pring, A.**, Wang, H., Liang-Jen Fan, Ling-Yun Jang, Lee-Jene Lai, Yaw-wen Yang. (2006). Sulfur electronic environments in  $\alpha$ -NiS and  $\beta$ -NiS: Examination of the relationship between coordination number and core electron binding energies. *Physics and Chemistry of Minerals* **33**: 98-105.
99. **Pring, A.**, Wallwork, K, **Brugger, J.** and Kolitsch, U. (2006). Paratooite-(La), a new lanthanum-dominant rare earth copper carbonate from Paratoo, South Australia. *Mineralogical Magazine*. **70**: 131-138.
100. Haipang, W., **Pring, A.**, Fei, W., Guorong, C., Jianhua, J., Fang, X., Jian, Z., Yung, N. and O'Neill, B. (2006). Effect of cation vacancy and crystal superstructure on thermodynamics of iron monosulfides. *Journal of Sulfur Chemistry*. **27**, No. 3: 271-282.
101. **Reardon, T.B.** and Bourne, S. (2005). "Bats of the Limestone Coast". Publication of the Friends of Naracoorte Caves, 30pp.
102. Armstrong, K. and **Reardon.T.B.** (2006) . Standardising the common names of Australian bats. *Australasian Bat Society Newsletter*. **26**: 37-42.
103. Mahony, M., **Donnellan, S.C.**, **Richards, S.J.** and McDonald, K.R. (2006). Species boundaries among barred river frogs, *Mixophyes* (Anura: Myobatrachidae) in north-eastern Australia, with a description of two new species. *Zootaxa* **1228**: 35-60
104. **Richards, S.J.**, Oliver, P. M., Dahl, C. and Tjaturadi, B. (2006). A new species of large green treefrog (Anura: Hylidae: *Litoria*) from northern New Guinea. *Zootaxa* **1208**: 57-68.
105. Theischinger, G. and **Richards, S.J.** (2006). Two new damselfly species from Papua New Guinea (Odonata: Protoneuridae, Coenagrionidae). *Odonatologica* **35**: 199-204.
106. Theischinger, G. and **Richards, S.J.** (2006). Two new species of *Nososticta* Hagen in Selys from Papua New Guinea (Odonata: Protoneuridae). *Odonatologica* **35**: 67-71.
107. Günther, R. and **Richards, S.J.** (2005). Two new tree-dwelling species of the genus *Xenorhina* from New Guinea (Anura, Microhylidae). *Mitt. Mus. Nat.kd. Berl., Zool. Reihe* **81**: 167-176.

108. Günther, R. and **Richards, S.J.** (2005). Three new mountain stream dwelling *Litoria* (Amphibia, Anura, Hylidae) from western New Guinea. *Russian Journal of Herpetology* 12: 188-205.
109. **Richards, S.J.** (2005). A new species of treefrog (Anura: Hylidae: *Litoria*) from the Huon Peninsula, Papua New Guinea. *Zootaxa* **1052**: 29-39.
110. Theischinger, G. and **Richards, S.J.** (2005). Two new species of *Drepanosticta* Laidlaw from Papua New Guinea (Odonata: Platystictidae). *Odonatologica* **34**: 307-312.
111. Zweifel, R.G., Cogger, H.G. and **Richards, S.J.** (2005). Systematics of microhylid frogs, genus *Oreophryne*, living at high altitudes in New Guinea. *American Museum Novitates* **3495**: 1-25.
112. Goffredi, S.K., Orphan, V.J., **Rouse, G.W.**, Jahnke, L., Embaye, T., Turk, K., Lee, R. and Vrijenhoek, R.C. (2005). Evolutionary innovation: a bone-eating marine symbiosis. *Environmental Microbiology*: **7**(9): 1369-1378.
113. Hyman, I. T., **Rouse, G. W.**, and Ponder, W. F. (2005). Systematics of *Ophicardelus* (Ellobiidae, Pulmonata, Gastropoda). *Molluscan Research* **25**: 14-26.
114. Pleijel, F., and **Rouse, G. W.** (2005) *Lizardia hirschi*, a new hesionid polychaete with external genital organs from the Great Barrier Reef. *The Biological Bulletin* **208**: 69-76.
115. Pleijel, F., and **Rouse, G. W.** (2005) A revision of *Micropodarke* (Psamathini, Hesionidae, Polychaeta). *Journal of Natural History* **39**: 1313-1325.
116. **Rouse, G. W.** (2005). Annelid sperm and fertilization biology. *Hydrobiologia* **535**: 167-178.
117. **Rouse, G. W.** (2005) Echinodermata. In 'Marine Parasites' (Ed. K. Rohde) pp. 248-250 (CSIRO Publishing, Melbourne).
118. **Rouse, G. W.** (2005) Fossil parasites. In 'Marine Parasites' (Ed. K. Rohde) pp. 172-174 (CSIRO Publishing, Melbourne).
119. **Rouse, G. W.** (2005) Myzostomida. In 'Marine Parasites' (Ed. K. Rohde) pp. 189-193 (CSIRO Publishing, Melbourne).
120. **Rouse, G. W.** (2005) Polychaeta. In 'Marine Parasites' (Ed. K. Rohde) pp. 193-196 (CSIRO Publishing, Melbourne).
121. **Rouse, G. W.**, and Grygier, M. J. (2005). *Myzostoma seymourcollegiorum* n.sp. (Myzostomida) from southern Australia, with a description of its larval development. *Zootaxa*.
122. Simon, C. A., and **Rouse, G. W.** (2005). Sperm ultrastructure, spermiogenesis and spermathecal structure in *Terebrasabella heterouncinata* (Polychaeta: Sabellidae: Sabellinae). *Invertebrate Biology* **125**: 39-49.

123. Worsaae, K., Nygren, A., **Rouse, G. W.**, Giribet, G., Persson, J., Sundberg, P., and Pleijel, F. (2005). Phylogenetic position of Nerillidae and *Aberranta* (Polychaeta, Annelida), analyzed by direct optimization of combined molecular and morphological data. *Zoologica Scripta* **34**: 313-328.
124. **Shaughnessy, P. D.**, Jones, R. T. and Ensor, P. (2006). Pelage coloration of breeding crabeater seals *Lobodon carcinophaga* (Carnivora: Phocidae). *Australian Mammalogy* **28**: 93-95.
125. Orsini, J.-P., **Shaughnessy, P. D.** and Newsome, D. (2006). Impact of human visitors on Australian sea lions (*Neophoca cinerea*) at Carnac Island, Western Australia: implications for tourism management. *Tourism in Marine Environments* **3**(2):
126. **Sutton, P.** (2005). The politicisation of disease and the disease of politicisation: causal theories and the Indigenous health differential. In *Proceedings of the 8th National Rural Health Conference, Alice Springs, 10-13 March, 2005*, ed. Lesley Fitzpatrick and Gordon Gregory. Canberra: National Rural Health Alliance.
127. **Sutton, P.** (2005). Social scientists and native title cases in Australia. In Bill Sillar and Cressida Fforde (eds) *Conservation, Identity and Ownership in Indigenous Archaeology*. London: special issue of *Public Archaeology* **4**:121-126.
128. **Sutton, P.** (2005). Material culture and sacred landscape: the anthropology of the Siberian Khanty by Peter Jordan (review). *Public Archaeology* **4**:276-280.
129. **Sutton, P.** (2005). After Captain Cooke [sic]. Edited by Rodney Harrison and Christine Williamson (review). *Public Archaeology* **4**:281-282.
130. **Sutton, P.** (2006). Rage, reason and the honourable cause: a reply to Cowlshaw. *Australian Aboriginal Studies* 2005/2: 35-43.
131. Forbes, M., Bestland, E., and **Wells, R.**, (2004). Preliminary Radiocarbon Dates on Bulk Soil Organic Matter from the Black Creek Megafaunal Fossil Site, Rocky River, Kangaroo Island, South Australia. *Radio Carbon* **46**: 437-443.
132. **Watts, C.H.S.** & Humphreys, W.F. (2006). Twenty-six new Dytiscidae (Coleoptera) of the genera *Limbodessus* Guignot and *Nirririrti* Watts and Humphreys, from underground waters in Australia. *Transactions of the Royal Society of South Australia* **130**: 123-185.
133. Chisholm, L.A. & **Whittington, I.D.** (2005). *Decacotyle cairae* n. sp. (Monogenea: Monocotylidae) from the gills of *Pastinachus* sp. (Elasmobranchii: Dasyatidae) from the South China Sea off Sarawak, Borneo, Malaysia. *Systematic Parasitology* **61**: 79-84.
134. **Whittington, I.D.** & Kearns, G.C. (2005). The precocious oncomiracidium of *Neoentobdella parvitesticulata* (Monogenea: Capsalidae: Entobdellinae). *Parasitology Research* **96**: 331-334.
135. Chisholm, L.A. & **Whittington, I.D.** (2005). *Empruthotrema stenophallus* n. sp. (Monogenea: Monocotylidae) from the nasal tissue of *Dasyatis kuhlii* (Dasyatidae) from Sabah, Borneo, Malaysia. *Journal of Parasitology* **91**: 522-526.

136. **Whittington, I.D.** (2005). Monogenea Monopisthocotylea. In: *Marine Parasitology* Rohde K (Ed), pp. 63-72. CSIRO Publishing, Melbourne, Australia.
137. Glennon, V., Chisholm, L.A. & **Whittington, I.D.** (2005). *Branchotenthes octohamatus* sp. n. (Monogenea: Hexabothriidae) from the gills of the southern fiddler ray, *Trygonorrhina fasciata* (Rhinobatidae) in South Australia: description of adult and larva. *Folia Parasitologica* **52**: 223-230.
138. Chisholm, L.A. & **Whittington, I.D.** (2005). *Decacotyle cairae* n. sp. (Monogenea: Monocotylidae) from the gills of *Pastinachus* sp. (Elasmobranchii: Dasyatidae) from the South China Sea off Sarawak, Borneo, Malaysia. *Systematic Parasitology* **61**: 79-84.
139. Kearns, G.C., **WHITTINGTON, I.D.** & Euzet L. (2006). The handling and fate of spermatophores in *Neoentobdella diadema* and *N. apiocolpos* (Monogenea: Capsalidae: Entobdellinae). *Folia Parasitologica* **53**: 57-62.
140. Chisholm, L.A. & **WHITTINGTON, I.D.** (2006). Revision of *Capsaloides* (Monogenea: Capsalidae) with a redescription of *C. magnaspinosus* Price, 1939 from the nasal tissue of *Tetrapterus audax* (Istiophoridae) collected off Nelson Bay, New South Wales, Australia. *Zootaxa* **1160**: 1-20.
141. Hutson, K.S. & **WHITTINGTON, I.D.** (2006). *Paradeontacylix godfreyi* n. sp. (Digenea: Sanguinicolidae) from the heart of wild *Seriola lalandi* (Perciformes: Carangidae) in southern Australia. *Zootaxa* **1151**: 55-68.
142. Mooney, A.J., Ernst I. & **WHITTINGTON, I.D.** (2006). An egg-laying rhythm in *Zeuxapta seriolae* (Monogenea: Heteraxinidae), a gill parasite of yellowtail kingfish (*Seriola lalandi*). *Aquaculture* **253**: 10-16.
143. Glennon, V., Chisholm, L.A. and **Whittington, I.D.** (2006). *Pseudoleptobothrium aptychotremae* Young, 1967 (Monogenea: Microbothriidae) redescribed from a new host, the southern fiddler ray, *Trygonorrhina fasciata* (Rhinobatidae) in South Australia with a description of the larva and post larval development. *Acta Parasitologica* **51**: 40-46.
144. Glennon, V., Chisholm, L.A. & **Whittington, I.D.** (2006). Redescription of *Calicotyle australis* Johnston, 1934 (Monogenea: Monocotylidae) from the type-host *Trygonorrhina fasciata* (Rhinobatidae) off Adelaide, South Australia, including descriptions of live and silver stained larvae. *Systematic Parasitology* **63**: 29-40.
145. Glennon, V., Chisholm, L.A. & **Whittington, I.D.** (2006). Three unrelated species, 3 sites, same host – monogenean parasites of the southern fiddler ray, *Trygonorrhina fasciata*, in South Australia: egg hatching strategies and larval behaviour. *Parasitology*: Vol **133**: 55-66
146. **Zeidler, W.** (2006). A review of the hyperiidean amphipod superfamily Archaeoscinoidea Vinogradov, Volkov & Semenova, 1982 (Crustacea: Amphipoda: Hyperiidea). *Zootaxa* **1124**: 1-37.

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 G. Prideaux, B.Sc (Hons), Ph.D  
 (Palaeontology)  
 L. Reed, BA (Hons), PhD  
 T. Schultze-Westrum, Thomas, PhD (Foreign  
 Ethnology)

P. Shaughnessy, BSc (Hons), MSc, Ph.D.  
 (Mammalogy)  
 S. Shepherd, B.A., LL.B., M.Env.St., Ph.D.,  
 (Marine Invertebrates)  
 M. Snow, B.0Sc., Ph.D. (Mineralogy)  
 K. Tabawebulla, Ph.D. (Foreign Ethnology)  
 M. Tyler AO, M.Sc., (Herpetology)  
 Lesley Warner (Zoology)  
 C. Watts, B.Sc.(Hons), PhD. (Entomology)  
 Prof. R. Wells, B.Sc.(Hons) Ph.D.  
 (Palaeontology)  
 W. Zeidler, B.Sc.(Hons) M.Sc. Ph.D (Marine  
 Invertebrates)  
 M. Zbik, M.Sc., Ph.D. (Mineralogy)

## 5. EXECUTIVE EMPLOYMENT, STAFF EMPLOYMENT AND OTHER HUMAN RESOURCES MATTERS

### Management of Human Resources

Details of employment at SA Museum as at June 30 2006 are provided in the tables below.

#### Employee Numbers, Gender and Status

Total Number of Employees		
Persons	83	
FTEs	68.18	

Gender	% Persons	% FTEs
Male	54.22	59.89
Female	45.78	40.11

Number of Persons During the 05/06 Financial Year	
Separated from the agency	22
Recruited to the agency	49

Number of Persons at 30 June 2006	
On Leave without Pay	4

#### Number Of Employees By Salary Bracket

Salary Bracket	Male	Female	Total
\$0 - \$40,399	10	22	32
\$40,400 - \$54,999	13	9	22
\$55,000 - \$67,999	12	7	19
\$68,000 - \$88,999	8		8
\$89,000+	2		2
<b>TOTAL</b>	45	38	83

### Status Of Employees In Current Position

<b>FTEs</b>	<b>Ongoing</b>	<b>Short-Term Contract</b>	<b>Long-Term Contract</b>	<b>Other (Casual)</b>	<b>Total</b>
Male	31.53	2	5.1	2.2	40.83
Female	20.13	4.4		2.82	27.35
<b>TOTAL</b>	51.66	6.4	5.1	5.02	68.18

<b>PERSONS</b>	<b>Ongoing</b>	<b>Short-Term Contract</b>	<b>Long-Term Contract</b>	<b>Other (Casual)</b>	<b>Total</b>
Male	32	2	6	5	45
Female	23	5		10	38
<b>TOTAL</b>	55	7	6	15	83

### Executives

Number of executives by gender, classification and status in current position

	<b>Ongoing</b>		<b>Contract Tenured</b>		<b>Contract Untenured</b>		<b>Total</b>	
<b>Classification</b>	Male	Female	Male	Female	Male	Female	Male	Female
Exec A					1		1	
Exec B					1		1	
<b>Total</b>					2		2	

### Leave management

Average days leave taken per full time equivalent employee

<i>Leave Type</i>	<b>2002-03</b>	<b>2003-04</b>	<b>2004-05</b>	<b>2005-06</b>
Sick Leave	4.92	3.84	3.64	5.23
Family Carer's Leave	0.3	0.23	0.22	0.47
Special Leave with Pay	0.44	0.33	1.91	0.78

## Workforce Diversity

### Age Profile

Age Bracket	Male	Female	Total	% of Total	Workforce Benchmark*
15-19	1		1	1.2	7.9
20-24	2	5	7	8.4	10.7
25-29	1	6	7	8.4	9.8
30-34	6	1	7	8.4	10.5
35-39	3	5	8	9.6	11.4
40-44	7	2	9	10.9	12.4
45-49	5	4	9	10.9	12.4
50-54	11	8	19	22.9	10.9
55-59	7	5	12	14.5	8.3
60-64	1	2	3	3.6	4.4
65+	1		1	1.2	1.3
<b>TOTAL</b>	<b>45</b>	<b>38</b>	<b>83</b>	<b>100%</b>	<b>100.0</b>

\*Benchmark as at January 2006 from ABS Supertable LM8

Note: Provision of the information reported in the following three tables is voluntary, therefore the figures provided may not fully reflect the diversity of our workforce.

### Aboriginal And/Or Torres Strait Islander Employees

Male	Female	Total	% of Agency	Target*
1	3	4	4.82	2%

\* Target from South Australia's Strategic Plan

### Cultural And Linguistic Diversity

	Male	Female	Total	% Agency	SA Community*
Number of employees born overseas	9	7	16	19.3	20.3%
Number of employees who speak language(s) other than English at home		1	1	1.2	15.5%

\* Benchmarks from ABS Publication Basic Community Profile (SA) Cat No. 2001.0

### Number Of Employees With Ongoing Disabilities Requiring Workplace Adaptation

Male	Female	Total	% of Agency
1		1	1.2

### **Voluntary Flexible Working Arrangements**

Number Of Employees Using Voluntary Flexible Working Arrangements By Gender

	<b>Male</b>	<b>Female</b>	<b>Total</b>
Purchased Leave			
Flexitime	31	26	57
Compressed Weeks	1		1
Part-time Job Share	1	2	3
Working from Home	2		2

### **Performance Management**

Documented Review Of Individual Performance

<b>Employees with ...</b>	<b>% Total Workforce</b>
a plan reviewed within the past 12 months	31.3
a plan older than 12 months	0

### **Documented Individual Performance Development Plan**

<b>Employees with ...</b>	<b>% Total Workforce</b>
a plan set within the past 12 months	4.8
a plan older than 12 months	0

### **Training Expenditure**

As a percentage of total remuneration expenditure

	<b>Actual 2005-06</b>	<b>Target 2006-07</b>
<b>TOTAL</b>	0.76%	3%

## **6. OCCUPATIONAL HEALTH, SAFETY AND INJURY MANAGEMENT (OHS&IM)**

### **ARTS SA OHS&W Management System**

Arts SA continues to make significant and sustained achievements to ensuring conformance with the WorkCover Performance Standards for Self Insurers. This has been achieved through the continued review of policies and procedures in consultation with employees to ensure continued sustainability and effectiveness of the system.

The implementation of a Chemical Database and Management System (ChemWatch) across the organisation has been successful. Each agency now has a manifest and store of all its chemicals. The system is maintained by delegated employees within each agency who ensure the information on the system is updated and risk assessments are carried out on hazardous substances.

A Project Officer was employed part-time for 12 months to implement the Workplace Safety Management for Public Sector 2004-2006 Implementation Plan. This ensured Arts SA was able to provide regular reports to the Premier against the DPC Ministerial Checklist and that Arts SA has been able to meet the requirements of the Workplace Safety Management in the Public Sector 2004-2006 Implementation Plan.

The effectiveness of extraction systems of the fume hoods at the Natural Science Centre and their operational safety have been assessed and 2 of the 10 fume hoods are currently operated in accordance with Safe Operating Procedures developed as part of the assessment. Arts SA has undertaken a considerable amount of work in identifying the OHS&W, business and financial risks associated with the fume hoods and has developed a solution which is currently pending final approval.

### **Key Achievements**

- \$251,919 spent to further upgrade the fume hoods in the SA Museum Science Centre and Artlab
- Part-time AS06 position created for 12 months for the implementation of the WSMPS Implementation Plan
- Action Plan Progress Report and the KPI Progress Report were reviewed by the Arts Central Consultative Committee (ACCC) to ensure the relevance of their scope and content. Updated documents included employee consultation prior to endorsement. Both documents are reported on in accordance with the Monitoring and Reporting Framework and presented to the ACCC for review
- The OHSW Statement of Commitment for all Arts SA agencies was reviewed and the content updated as a result of employee consultation
- The OHSW Responsibilities Policy was reviewed and the content updated as a result of employee consultation
- Policies and procedures continue to be reviewed in consultation with employees to ensure their continued sustainability and effectiveness
- An audit process has been incorporated into the Internal Audit and Workplace Inspection Procedure to ensure Arts SA injury management processes are conducted in accordance with legislative requirements and internal policies and procedures
- Risk Management Training for Executive, Managers and Supervisors conducted
- 140 employees received a flu vaccination shot as part of the Flu Vaccination Program



## Occupational health, safety and injury management information

		2005-06	2004-05	2003-04
<b>1</b>	<b>OHS legislative requirements</b>			
	Number of notifiable occurrences pursuant to OHS&W Regulations Division 6.6	0	2	0
	Number of notifiable injuries pursuant to OHS&W Regulations Division 6.6	0	0	0
	Number of notices served pursuant to OHS&W Act s35, s39 and s40	0	0	0
<b>2</b>	<b>Injury Management legislative requirements</b>			
	Total number of employees who participated in the rehabilitation program	0	0	1
	Total number of employees rehabilitated and reassigned to alternative duties	0	0	1
	Total number of employees rehabilitated back to their original work	0	0	0
<b>3</b>	<b>WorkCover Action Limits</b>			
	Number of open claims as at 30 June	2	1	3
	Percentage of workers compensation expenditure over gross annual remuneration	0.02	0.1	3.06
<b>4</b>	<b>Number of claims</b>			
	Number of new workers compensation claims in the financial year	1	1	1
	Number of fatalities, lost time injuries, medical treatment only (F)	0	0	0
	(MTO)	1	1	0
	(LTI)	0	0	1
	Total number of whole working days lost	0	7	187
<b>5</b>	<b>Cost of workers compensation</b>			
	Cost of new claims for financial year	287	425	64,054
	Cost of all claims excluding lump sum payments	870	4,423	72,075
	Amount paid for lump sum payments s42	0	0	39,664
	s43, s44	0	0	0
	Total amount recovered from external sources (s54)	0	73,000	2,488
	Budget allocation for workers compensation	16,000	28,000	28,000
<b>6</b>	<b>Trends</b>			
	Injury frequency rate for new lost-time injury/disease for each million hours worked	0	0	7.2
	Most frequent cause (mechanism) of injury	Falls, Slips & Trips	Muscular Stress	Mental Stress
	Most expensive cause (mechanism) of injury	Falls, Slips & Trips	Muscular Stress	Mental Stress

## Disability Action Plan

The Museum continues to work with Arts SA on monitoring its visitor services for disability access and action.

A major internal disability audit was conducted in 2004 and since that time, any new exhibits and galleries being developed and installed, receive special consideration for disability access, including entry and egress.

The museum is regularly visited by a range of people with disabilities and special needs, who are often accompanied by carers. The museum education team and guides also respond to requests for specially designed group visits and experiences. Disability car parking is provided and monitored by staff at all times

## Equal Opportunity Programs

As an EEO employer, the South Australian Museum is committed to employing on merit regardless of race, gender, sexuality, marital status, age, pregnancy or disability for all positions within the organisation. This is supported by the Museum's diverse workforce profile.

## Overseas Travel 2005-06

Number of Employees	Destination/s	Reason for Travel	Total Cost to Agency
1	East Timor	Travel to assist funding application for AusAid to develop a national museum cultural centre in Dili, East Timor	\$5,000
1	China	Coorganizer of Neoproterozoic Palaeobiology & Geobiology Symposium 2 <sup>nd</sup> Int. Congress, Beijing	\$2,500
1	France	Presentation of paper at European Society for Oceanists conference, Marseilles, Paris	\$7,400
1	Netherlands	Delivery of series of lectures in Leiden and Nijmegen, promoting the SA Museum exhibition "Australia, the land, the people"	\$6,000
1	France	Invited guest to opening and inaugural seminar, Musee Du Quai Branly, Paris	\$2,800
1	USA	Presentation of a paper at Biennial mtg Society for Marine Mammalogy.	\$3,900
1	UK	Undertake research into formation of minerals using neutron diffraction at Oxford & Uni of Cambridge.	\$7500
1	Denmark	Participate in Tree of Life project on Protostomes at the Zoological Museum, Copenhagen	\$3565
1	China	Presentation at Fifth Int. Symposium on Monogenea at Zhongshan Uni, Guangzhou, China	\$1100
		<b>TOTAL</b>	<b>\$39,765</b>

## ASBESTOS REPORT

### Priority and Removal Activities

Site Asbestos Presence Status	Priority for Risk Assessment	No of sites in Priority for Assessment category	Risk Reduction Program Activities conducted during 2005/06	Quantification of Activities (by Item/ by Area/by \$)
Insufficient data	Urgent			
Unstable, Accessible; Or Unstable, Damaged or Decayed	Urgent			
Unstable, Inaccessible; Or Unstable, Partly Accessible	High	1	Nil	Not applicable
Stable, Accessible: or Stable, Accessible, Initial Signs of Decay	Medium			
Stable, Inaccessible; Or Stable, Partly Accessible	Low	1	Nil	Not applicable
Asbestos Free	Not applicable			

### Risk Reduction

Site category Scale	Site Performance Score	1 Severe	2 Major	3 Moderate	4 Minor (threshold category)	5 No risk (target category)	Not assessed
	Site Risk level						
	% Of sites in category at Year's Commencement			50			50
	Adjustment % After Annual Reduction Activity		50	50			

### Account Payment Statistics

	Number of Accounts Paid	% of Total Accounts Paid	Value of Accounts Paid	% \$ of Total Accounts Paid
<b>Paid by Due Date*</b>	3,637	86%	\$3,974,331	88%
<b>Paid Late &amp; Paid &lt; 30 Days from Due Date</b>	389	9%	\$390,166	9%
<b>Paid Late &amp; Paid &gt; 30 Days from Due Date</b>	211	5%	\$135,986	3%
<b>Total Accounts Paid</b>	4,237	100%	\$4,500,483	100%

\*The Due Date is defined as per 11.2 of the instruction. Unless there is a discount or written agreement between the public authority and the creditors, payment should be within thirty days of the date of the invoice

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**Fraud And Legislative Compliance**

No frauds or suspected frauds have occurred to the knowledge of the management of the South Australian Museum. The Museum has maintained a comprehensive system of checks and balances to control and prevent fraud, under the advice of the Auditor General's Department. Full disclosure has been made to the auditors regarding all non compliance obligations with laws and regulations that should be considered in preparing the Museums financial report.

**CONSULTANTS – 2005-06**

<b>Value</b>	<b>No</b>	<b>Name</b>	<b>Services</b>	<b>Total Expenditure</b>
Below \$10 000	2			\$ 4 050
\$10 000 – \$50 000	2	AKA Consulting	Provision of curatorial advice for ‘Muslim Explorers and Pioneers’ exhibition	\$17 200
		Central Land Council	Consultation with senior Aboriginal custodians re secret sacred objects	\$24 899
above \$50 000	NIL			
			<b>TOTAL</b>	<b>\$ 46 149</b>

## 7. FREEDOM OF INFORMATION ACT, 1991 PART 11 SECTION 9(2)

### INFORMATION STATEMENT

#### **Agency Structure and Functions: Section 9(2)(A)**

The following information is contained in this Annual Report and is deemed to be consistent with the requirements of the Freedom of Information Act 1991:

- ♦ Statement of role and objectives
- ♦ Legislation responsibilities
- ♦ Resources employed

Agency performance is monitored regularly. Each year specific targets and objectives are formulated and major achievements, improvements and initiatives reported.

#### **Effect of Agency's Functions on Members of the Public: Section 9(2)(B)**

The Museum has a direct effect on the general public in two quite different ways. First as an institution whose display galleries are open for public education and enjoyment and second through the scientific divisions whose research and information are available to other Government Departments as well as the public.

The impact and involvement of each Division of the Museum in this process can be obtained from the achievements and initiatives section of this Annual Report.

#### **Arrangements for Public Participation in Policy Formation: Section 9(2)(C)**

The Board of eight members is appointed by the Minister for the Arts. These appointments are from the general public and provide an avenue for public participation in policy formulation.

For any major development, such as the development of displays relating to living cultures, advisory committees are established for the period of the project to ensure that there is full and proper provision for public participation.

In addition, the Museum maintains regular contact with Aboriginal community groups on matters relating to custodianship and access to collections.

#### **Description of Kinds of Documents held by the Agency: Section 9(2)(D)**

The Museum classifies all documents into the following categories:

##### Board Minutes

The Minutes of the Museum Board meetings are numbered and inserted in a Board Minute Book. Board papers are also numbered and filed in hard cover folders. The papers contain all documents and correspondence relating to the Board Meeting. Current Minute Books and Papers are kept in the Director's Office. Out of date Minute Books and Papers dating back to 1940 are stored in the Museum Archives section. Board papers and Minutes up to 1940 are permanently stored in State Records.

##### Dockets

Museum dockets are registered in a database system and held in the relevant department's administration sections. Dockets hold all documents concerned with the day to day management of the Museum and are classified as follows – collection management; development and design; education; governance – museum Board; Indigenous services; information management; public programs; research; sponsorship; and volunteers.

##### Policy Statements

The Board has published several Policy Statements, which are available for use by the general public. These include: 'Professional and Commercial Services', 'Statement on Secret/Sacred Collection', 'Collections Policy (2005-2009)', 'Policy on Human Skeletal Remains Collection', 'Exhibition Policy', 'Publications Policy', 'Honorary Appointments', 'Guidelines for the Acquisition, Operation and Management of Computers in the Museum', and 'Access to Personal Information – policy and procedures', 'Procedures for Records Management' and 'Copyright Policy & Procedures'.

#### **Access Arrangements, Procedures and Points of Contact: Section 9(2)(E)(F)**

To gain access to Museum documents, other than those identified above as available, it is necessary to apply in writing under the Freedom of Information Act to:

Contact Officer, Freedom of Information

C/- The Director

South Australian Museum

North Terrace, Adelaide 5000

#### ***Freedom of Information***

No inquiries under the Freedom of Information Act were received in 2005/2006.



## INDEPENDENT AUDIT REPORT

### TO THE CHAIRMAN MUSEUM BOARD

#### SCOPE

As required by section 31 of the *Public Finance and Audit Act 1987* and section 16(2) of the *South Australian Museum Act 1976*, I have audited the financial report of the Museum Board for the financial year ended 30 June 2005. The financial report comprises:

- A Statement of Financial Performance;
- A Statement of Financial Position;
- A Statement of Cash Flows;
- Notes to and forming part of the Financial Statements;
- Certificate by the Director, South Australian Museum and the General Manager, South Australian Museum.

The members of the Museum Board are responsible for the financial report. I have conducted an independent audit of the financial report in order to express an opinion on it to the Board Chairman.

The audit has been conducted in accordance with the requirements of the *Public Finance and Audit Act 1987* and Australian Auditing and Assurance Standards to provide reasonable assurance whether the financial report is free of material misstatement.

Audit procedures included examination, on a test basis, of evidence supporting the amounts and other disclosures in the financial report and the evaluation of accounting policies and significant accounting estimates. These procedures have been undertaken to form an opinion whether, in all material respects, the financial report is presented fairly in accordance with Treasurer's Instructions promulgated under the provisions of the *Public Finance and Audit Act 1987*, Accounting Standards and other mandatory professional reporting requirements in Australia so as to present a view which is consistent with my understanding of the Museum Board's financial position, the results of its operations and its cash flows.

The audit opinion expressed in this report has been formed on the above basis.

#### AUDIT OPINION

In my opinion, the financial report presents fairly in accordance with the Treasurer's Instructions promulgated under the provisions of the *Public Finance and Audit Act 1987*, applicable Accounting Standards and other mandatory professional reporting requirements in Australia, the financial position of the Museum Board as at 30 June 2005, the results of its operations and its cash flows for the year then ended.

20 September 2005

K I MacPHERSON  
AUDITOR-GENERAL



Our Ref: A06/136

29 September 2006

Mr J Ellice-Flint  
Chairman  
Museum Board  
North Terrace  
ADELAIDE SA 5000

9th Floor  
State Administration Centre  
200 Victoria Square  
Adelaide SA 5000  
DX 56208  
Victoria Square  
Tel +618 8226 9640  
Fax +618 8226 9688  
ABN 53 327 061 410  
audgensa@audit.sa.gov.au  
www.audit.sa.gov.au

Dear Mr Ellice-Flint

The audit of the Museum Board, for the year ended 30 June 2006, has been completed. Audit coverage was designed to assess the adequacy of accounting procedures and related internal controls and to verify the financial statements.

Issues arising from the audit were communicated in a management letter to the Acting Director. A satisfactory response was received.

Returned herewith are the Board's financial statements together with my Independent Audit Report.

Yours sincerely

A handwritten signature in blue ink, appearing to read "K I MacPherson".

K I MacPherson  
**AUDITOR-GENERAL**



# INDEPENDENT AUDIT REPORT



Government of South Australia

Auditor-General's Department

9th Floor  
State Administration Centre  
200 Victoria Square  
Adelaide SA 5000  
DX 56208  
Victoria Square  
Tel +618 8226 9640  
Fax +618 8226 9688  
ABN 53 327 061 410  
audgensa@audit.sa.gov.au  
www.audit.sa.gov.au

## TO THE CHAIRMAN

### SCOPE

As required by section 31 of the *Public Finance and Audit Act 1987* and section 16 (2) of the *South Australian Museum Act 1976*, I have audited the financial report of the Museum Board for the financial year ended 30 June 2006. The financial report comprises:

- An Income Statement;
- A Balance Sheet;
- A Cash Flow Statement;
- A Statement of Changes in Equity;
- Notes to the Financial Statements;
- A Certificate by the General Manager, South Australian Museum, and the Manager, Financial Services, Department of the Premier and Cabinet.

The members of the Museum Board are responsible for the financial report. I have conducted an independent audit of the financial report in order to express an opinion on it to the Chairman.

The audit has been conducted in accordance with the requirements of the *Public Finance and Audit Act 1987* and Australian Auditing and Assurance Standards to provide reasonable assurance whether the financial report is free of material misstatement.

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A handwritten signature in black ink, appearing to read "K I MacPherson".

**K I MacPherson**  
**Auditor-General**  
29 September 2006



# Museum Board

## INCOME STATEMENT

For the Year Ended 30 June 2006

	Note Number	2006 \$'000	2005 \$'000
<b>Expenses</b>			
Employee Benefits	3	4 765	4 564
Supplies and Services	4	4 279	3 640
Accommodation and Facilities	5	2 403	2 516
Depreciation	6	1 126	978
Grants and Subsidies		128	339
Debit on Revaluation of Buildings	2,10	-	228
<b>Total Expenses</b>		<b>12 701</b>	<b>12 265</b>
<b>Income</b>			
Grants	8	891	1 049
Sale of Goods		496	457
User Charges		886	255
Donations		521	181
Sponsorships		540	461
Interest		176	144
Resources Received Free of Charge	2.4	66	260
Recoup of Recoverables		304	371
Other	9	265	341
<b>Total Income</b>		<b>4 145</b>	<b>3 519</b>
<b>Net Cost of Providing Services</b>		<b>(8 556)</b>	<b>(8 746)</b>
<b>Revenues from SA Government</b>			
Revenue from SA Government – Recurrent Operating Grant		8 209	8 536
Revenue from SA Government – Capital Grant		19	302
Revenue from SA Government – Accrual Appropriation		6	7
<b>Total Revenues from SA Government</b>		<b>8 234</b>	<b>8 845</b>
<b>Net Result</b>		<b>(322)</b>	<b>99</b>
<b>The Net Result is Attributed to the SA Government as Owner</b>		<b>(322)</b>	<b>99</b>

# Museum Board

## BALANCE SHEET

As at 30 June 2006

	Note Number	2006 \$'000	2005 \$'000
<b>Current Assets</b>			
Cash and Cash Equivalents	19	3 610	2 695
Receivables	10	276	615
Inventories		129	129
Other Current Assets		-	199
<b>Total Current Assets</b>		<b>4 015</b>	<b>3 638</b>
<b>Non-Current Assets</b>			
Property, Plant and Equipment	11	31 778	32 742
Heritage Collections	12	143 395	111 245
<b>Total Non-Current Assets</b>		<b>175 173</b>	<b>143 987</b>
<b>Total Assets</b>		<b>179 188</b>	<b>147 625</b>
<b>Current Liabilities</b>			
Payables	13	298	267
Short-Term Employee Benefits	14	531	438
Short-Term Provisions	15	28	27
<b>Total Current Liabilities</b>		<b>857</b>	<b>732</b>
<b>Non-Current Liabilities</b>			
Payables	13	75	81
Long-Term Employee Benefits	14	782	781
Long-Term Provisions	15	75	68
<b>Total Non-Current Liabilities</b>		<b>932</b>	<b>930</b>
<b>Total Liabilities</b>		<b>1 789</b>	<b>1 662</b>
<b>Net Assets</b>		<b>177 399</b>	<b>145 963</b>
<b>Equity</b>			
Retained Profits	16	133 205	133 527
Asset Revaluation Reserve	16	44 194	12 436
<b>Total Equity</b>		<b>177 399</b>	<b>145 963</b>
<b>TOTAL EQUITY ATTRIBUTABLE TO THE SA GOVERNMENT AS OWNER</b>		<b>177 399</b>	<b>145 963</b>
Commitments for Expenditure	17		
Contingent Assets and Liabilities	18		

# Museum Board

## STATEMENT OF CHANGES IN EQUITY

For the Year Ended 30 June 2006

	Asset Revaluation Reserve \$'000	Retained Earnings \$'000	Total \$'000
<b>Balance at 30 June 2004</b>	<b>13 957</b>	<b>133 428</b>	<b>147 385</b>
Loss on Revaluation of Property	(1 521)	-	(1 521)
Net Result	-	99	99
<b>Balance at 30 June 2005</b>	<b>12 436</b>	<b>133 527</b>	<b>145 963</b>
Gain on Revaluation of Heritage Collections	31 758	-	31 758
Net Result	-	(322)	(322)
<b>Balance at 30 June 2006</b>	<b>44 194</b>	<b>133 205</b>	<b>177 399</b>

All changes in equity are attributable to SA Government as owner

18



## Museum Board

### CASH FLOW STATEMENT

For the Year Ended 30 June 2006

	Note Number	2006 \$'000	2005 \$'000
<b>Cash Flows from Operating Activities</b>			
<b>Cash Outflows</b>			
Employee Benefits		(4 635)	(4 396)
Supplies and Services		(4 097)	(3 444)
Accommodation and Facilities		(2 389)	(2 494)
Grants and Subsidies		(128)	(339)
<b>Cash Used in Operations</b>		<b>(11 249)</b>	<b>(10 673)</b>
<b>Cash Inflows</b>			
Grants		1 057	874
Sale of Goods		494	459
User Charges		881	198
Donations		129	69
Sponsorships		733	307
Interest		172	142
Recoup of Recoverables		331	307
Other		295	385
<b>Cash Generated from Operations</b>		<b>4 092</b>	<b>2 741</b>
<b>Cash Flows from SA Government</b>			
Receipts from SA Government – Recurrent Operating Grant		8 209	8 536
Receipts from SA Government – Capital Grant		19	302
Receipts from SA Government – Accrual Appropriation		6	7
<b>Cash Generated from SA Government</b>		<b>8 234</b>	<b>8 845</b>
<b>Net Cash Provided by Operating Activities</b>	19	<b>1 077</b>	<b>913</b>
<b>Cash flows from Investing Activities</b>			
<b>Cash Outflows</b>			
Payments for Property, Plant and Equipment		(162)	(484)
Payments for Heritage Collections		-	(277)
<b>Net Cash Used in Investing Activities</b>		<b>(162)</b>	<b>(761)</b>
<b>Net Increase in Cash and Cash Equivalents</b>		<b>915</b>	<b>152</b>
Cash and Cash Equivalents at the Beginning of the Financial Year		2 695	2 543
<b>Cash and Cash Equivalents at the End of the Financial Year</b>	19	<b>3 610</b>	<b>2 695</b>



# NOTES TO THE FINANCIAL STATEMENTS

## Note 1. Objectives of the Museum Board

The functions of the Museum Board, as prescribed under the *South Australian Museum Act 1976*, are as follows:

- Undertake the care and management of the Museum;
- Manage all lands and premises vested in, or placed under the control of, the Board;
- Manage all funds vested in, or under the control of, the Board and to apply those funds in accordance with the terms and conditions of any instrument of trust or other instrument affecting the disposition of those moneys;
- Carry out, or promote, research into matters of scientific and historical interest;
- Accumulate and care for objects and specimens of scientific or historical interest;
- Accumulate and classify data in regard to any such matters;
- Disseminate information of scientific or historical interest; and
- Perform any other functions of scientific, educational or historical significance that may be assigned to the Board by regulation.

## Note 2. Summary of Significant Accounting Policies

### 2.1 Basis of Accounting

The financial report is a general purpose financial report. The statements have been prepared in accordance with:

- Treasurer's Instructions and Accounting Policy Statements promulgated under the provision of the *Public Finance and Audit Act 1987(PFAA)*
- Applicable Australian Accounting Standards, and
- Other mandatory professional reporting requirements in Australia.

These financial statements are the first statements to be prepared in accordance with Australian equivalents to International Financial Reporting Standards (AIFRS) and the adoption has not resulted in any changes.

AASB1 *First time adoption of AIFRS* has been applied in preparing these statements. Previous financial statements were prepared in accordance with Australian Generally Accepted Accounting Principles.

The Board's Income Statement, Balance Sheet and Statement of Changes in Equity have been prepared on an accrual basis and are in accordance with the historical cost convention, except for certain assets that were valued in accordance with the valuation policy applicable.

### 2.2 Sources of Funds

The Museum's principal source of funds consists of grants from the State Government. In addition, the Museum also receives monies from sales, admissions, donations, bequests, sponsorships and other receipts, and uses the monies for the achievement of its objectives.

### 2.3 Changes in Accounting Policies

A number of Australian Accounting Standards have been issued or amended and are applicable to the Museum but are not yet effective. The Museum has assessed the impact of the new and amended standards and there will be no impact on the accounting policies of the Museum.

### 2.4 Income and Expenses

Income and expense are recognised in the Board's Income Statement when and only when it is probable that the flow of economic benefits to or from the entity will occur and can be reliably measured. Income and expenses have been classified according to their nature in accordance with Accounting Policy Framework II *General Purpose Financial Reporting Framework* paragraph APS 3.5.

#### *Income*

Income from the sale of goods is recognised upon the delivery of goods to customers. Interest revenue is recognised on a proportional basis taking into account the interest rates applicable to the financial assets. Income from the rendering of a service is recognised upon the delivery of the service to the customers. Government grants are recognised as revenues in the period in which the Museum obtains control over the grants.

#### *Resources received free of charge*

Resources received free of charge are recorded as income and expenditure in the Income Statement at their fair value in accordance with Accounting Policy Framework III *Asset Accounting Framework* paragraph APS 2.12.



Internal valuations were carried out by staff specialists in their related fields. These valuations were based on a knowledge of the particular collections, an understanding of valuation techniques and the markets that exist for the collection items. Independent external valuers were engaged to review the methodology adopted for valuation and to verify the valuations applied by internal specialists via sampling techniques, and to carry out independent valuation where required.

Heritage Collections deemed to have market value are Australian Ethnology, Foreign Ethnology, Malacology, Butterflies, Industrial History Collection, Mineralogy, Museum Library and Rare Books.

Natural History collections valued at cost of recovery are the Australian Biological Tissue Bank, the Australian Helminthological Collection, Entomology, Arachnology, Marine Invertebrates, Ichthyology, Herpetology, Ornithology and Mammalogy.

The Australian Polar Collection has been recognised for the first time in 2005-06 at fair value.

The external valuations were carried out by the following recognised industry experts:

Collection	Industry Expert
Australian Ethnology	Macauley Partners
Museum Library and Rare Books	M Treloar and P Horn
Malacology (Marine Invertebrates)	W Rumble
Butterflies (Terrestrial Invertebrates)	L Mound
Mammalogy	R Schodde
Australian Polar Collection	M Treloar

Collections deemed to be culturally sensitive including human remains or items which are secret and sacred to Aboriginal communities have not been included within the current valuation and are deemed to be at zero valuation. These collections are Human Biology, Secret Sacred, Archives, Palaeontology and Archaeology.

#### 2.11 Impairment of Assets

All non-current assets are tested for indication of impairment at each reporting date. Where there is an indication of impairment, the recoverable amount is estimated. An amount by which the asset's carrying amount exceeds the recoverable amount is recorded as an impairment loss. For revalued assets an impairment loss is offset against the asset revaluation reserve.

#### 2.12 Depreciation of Non-Current Assets

Depreciation is calculated on a straight-line basis to write off the net cost or revalued amount of each non-current asset over its expected useful life, except for land, research and heritage collections, which are not depreciable. Estimates of remaining useful lives are made on a regular basis for all assets, with annual reassessments for major items.

The expected useful lives are as follows:

Class of Asset	Useful Life (Years)
Buildings and Improvements	Useful life depends on individual asset
Plant and Equipment	5 to 15 Years
Computer Equipment	3 to 5 Years

Heritage collections are kept under special conditions so that there is no physical deterioration and they are anticipated to have very long and indeterminate useful lives. No amount for depreciation has been recognised, as their service potential has not, in any material sense, been consumed during the reporting period.

#### 2.13 Payables

Payables include creditors, accrued expenses and employment on-costs.

Creditors and accrued expenses represent goods and services provided by other parties during the period that are unpaid at the end of the reporting period. All payables are measured at their nominal amount and are normally settled within 30 days from the date of the invoice or date the invoice is first received in accordance with Treasurer's Instruction No. 11 *Payment of Creditor's Accounts*.

Employment on-costs include superannuation contributions and payroll tax with respect to outstanding liabilities for salaries and wages, long service leave and annual leave.

#### 2.14 Employee Benefits

These benefits accrue for employees as a result of services provided up to the reporting date that remain unpaid. Long-term employee benefits are measured at present value and short-term benefits are measured at nominal amounts.

No provision has been made for sick leave as all sick leave is non-vesting and the average sick leave taken in future years by employees is estimated to be less than the annual entitlement of sick leave.



(i) *Liabilities for Salaries, Wages and Annual Leave*

Liabilities for wages, salaries and annual leave have been recognised as the amount unpaid at the reporting date. The liability for annual leave has been calculated at nominal amounts based on current remuneration rates as at reporting date. The annual leave liability is expected to be payable within twelve months and is measured at the undiscounted amount expected to be paid.

(ii) *Long Service Leave*

A liability for long service leave is recognised after an employee has completed 7 years of service in accordance with Accounting Policy Framework IV Financial Asset and Liability Framework. An actuarial assessment of long service leave was undertaken by the Department of Treasury and Finance.

(iii) *Superannuation*

Contributions are made by the Museum to several superannuation schemes operated by the State Government and private sector. These contributions are treated as an expense when they occur. There is no liability for payments to beneficiaries as they have been assumed by the superannuation schemes.

## 2.15 Workers Compensation Provision

A liability has been reported to reflect unsettled workers compensation claims. The workers compensation provision is based on an actuarial assessment performed by the Public Sector Occupational Health and Injury Management Branch of the Department for Administrative and Information Services.

## 2.16 Leases

The Museum has entered into a number of operating lease agreements for accommodation and vehicles where the lessors effectively retain all of the risks and benefits incidental to ownership of the items held under the operating leases. Operating lease payments are representative of the pattern of benefits derived from the leased assets and accordingly are charged to the Income Statement in the periods in which they are incurred.

## 2.17 Comparative Information

The presentation and classification of items in the financial report are consistent with prior periods except where a specific Accounting Policy Statement or Australian Accounting Standard have required a change.

## 2.18 Accounting for the Goods and Services Tax (GST)

In accordance with the requirements of the Urgent Issues Group UIG Interpretation 1031 *Accounting for the Goods and Services Tax (GST)* income, expenses and assets are recognised net of the amount of GST. The amount of GST incurred by the Museum as a purchaser that is not recoverable from the Australian Taxation Office is recognised as part of the cost of acquisition of an asset or part of an item of expense.

The net GST receivable/payable to the Australian Taxation Office is not recognised as a receivable/payable in the Balance Sheet as the Museum is a member of an approved GST group of which Arts SA, a division of the Department of the Premier and Cabinet, is responsible for the remittance and collection of GST. There are no cash flows relating to GST transactions with the Australian Taxation Office in the Cash Flow Statement.

## 2.19 State Government Funding

The financial reports are presented under the assumption of ongoing financial support being provided to the Museum by the State Government.

## 2.20 Rounding

All amounts in the financial statements have been rounded to the nearest thousand dollars (\$'000).

## 2.21 Insurance

The Museum has arranged, through the SA Government Captive Insurance Corporation, to insure all major risks of the Board. The excess payable is fixed under this arrangement.



**Note 3. Employee Benefits**

	2006 \$'000	2005 \$'000
Salaries and Wages	3 917	3 662
Superannuation	435	401
Payroll Tax	239	227
Annual and Long Service Leave	124	219
Other employee related expenses	50	55
<b>Total Employee Expenses</b>	<b>4 765</b>	<b>4 564</b>

**Remuneration of Employees**

The number of employees whose remuneration received or receivable falls within the following bands:

	Number of Employees 2006	Number of Employees 2005
\$100,000 - \$109,999	-	1
\$110,000 - \$119,999	1	-
\$180,000 - \$189,999	1	1
<b>Total Number of Employees</b>	<b>2</b>	<b>2</b>

The table includes all employees who received remuneration of \$100 000 or more during the year. Remuneration of employees reflects all costs of employment including salaries and wages, superannuation contributions, fringe benefits tax and other salary sacrifice benefits. The total remuneration received by these employees for the year was \$304 000 (\$300 000).

**Targeted Voluntary Separation Packages (TVSPs)**

There were no TVSPs paid in either 2005-06 or 2004-05.

**Remuneration of Board Members**

The number of Board Members who received remuneration from the Board fell within the following bands:

	Number of Board Members 2006	Number of Board Members 2005
\$0 - \$9,999	7	9
<b>Total Number of Board Members</b>	<b>7</b>	<b>9</b>

The total remuneration received by these Board Members for the year was \$18 000 (\$20 000).

**Related Party Disclosures**

During the financial year the following persons held a position on the Museum Board:

Mr John Ellice-Flint (Chair), Mr A Simpson, Mr P Ah Chee, Mr R Edwards, Dr S Carthew, Ms N Bensimon, and Ms E D Perry.

Board members or their related entities have transactions with the Museum that occur within a normal customer or supplier relationship on terms and conditions no more favourable than those with which it is reasonably expected the entity would have adopted if the transactions were undertaken with any other entity at arm's length in similar circumstances.

**Note 4. Supplies and Services**

	2006 \$'000	2005 \$'000
<b>Supplies and Services provided by entities external to the SA Government</b>		
Cost of Goods Sold	277	44
Hire	116	-
Marketing	323	210
Administration	246	220
IT Services & Communications	104	141
Maintenance	14	45
Collections	54	44
Exhibitions	116	175
Research	440	290
Travel & Accommodation	202	145
Contractors	374	325
Motor Vehicle Expenses	29	16
Minor Equipment	156	113
Fees	349	110
Other	218	198
<b>Total Supplies and Services - Non SA Government entities</b>	<b>3 018</b>	<b>2 076</b>



<b>Supplies and Services provided by entities within the SA Government</b>		
Insurance and Risk Management	363	350
Cost of Goods Sold	-	200
Hire	2	-
Marketing	2	38
Administration	269	292
IT Services & Communications	223	138
Maintenance	16	30
Collections	-	3
Artlab Conservation Work	265	260
Exhibitions	5	68
Research	32	105
Travel & Accommodation	-	5
Motor Vehicle Expenses	60	46
Minor Equipment	-	1
Fees	9	-
Other	15	28
<b>Total Supplies and Services – SA Government entities</b>	<b>1 261</b>	<b>1 564</b>
<b>Total Supplies and Services</b>	<b>4 279</b>	<b>3 640</b>

#### Payments to Consultants

The dollar amount of consultancies paid/payable that fell within the following bands:

	<b>Number of Consultants 2006</b>	<b>Number of Consultants 2005</b>
\$0 - \$9 999	2	1
\$10 000 - \$50 000	2	-
<b>Total Number of Consultancies</b>	<b>4</b>	<b>1</b>

The total amount paid/payable to consultants in 2005-06 was \$46 000 (\$1 000).

#### Note 5. Accommodation and Facilities

	<b>2006 \$'000</b>	<b>2005 \$'000</b>
<b>Accommodation and Facilities provided by entities external to the SA Government</b>		
Accommodation	312	308
Facilities	4	3
<b>Total Accommodation and Facilities – Non SA Government entities</b>	<b>316</b>	<b>311</b>
<b>Accommodation and Facilities provided by entities within the SA Government</b>		
Accommodation	339	294
Facilities	974	1 144
Security	774	767
<b>Total Accommodation and Facilities – SA Government entities</b>	<b>2 087</b>	<b>2 205</b>
<b>Total Accommodation and Facilities</b>	<b>2 403</b>	<b>2 516</b>

#### Note 6. Depreciation

	<b>2006 \$'000</b>	<b>2005 \$'000</b>
Buildings and improvements	1 060	907
Plant and equipment	63	67
Computer equipment	3	4
<b>Total Depreciation</b>	<b>1 126</b>	<b>978</b>

#### Note 7. Auditor's Remuneration

	<b>2006 \$'000</b>	<b>2005 \$'000</b>
Audit Fees paid/payable to the Auditor-General's Department	21	23
<b>Total Audit fees - SA Government entities</b>	<b>21</b>	<b>23</b>

#### Other Services

No other services were provided by the Auditor-General's Department to the Museum.

**Note 8. Grants**

	2006 \$'000	2005 \$'000
State Government Grants	268	325
Other General Grants	230	369
Commonwealth Grants	393	355
<b>Total Grants</b>	<b>891</b>	<b>1 049</b>

**Note 9. Other Income**

	2006 \$'000	2005 \$'000
<b>Other Income received/receivable from entities external to the SA Government</b>		
Rent	56	52
Other	208	269
<b>Total Other Income – Non SA Government entities</b>	<b>264</b>	<b>321</b>

**Other Income received/receivable from entities within the SA Government**

Other	1	20
<b>Total Income – SA Government entities</b>	<b>1</b>	<b>20</b>
<b>Total Other Income</b>	<b>265</b>	<b>341</b>

**Note 10. Receivables**

	2006 \$'000	2005 \$'000
Receivables from entities external to the SA Government	265	450
<b>Total Receivables – Non SA Government entities</b>	<b>265</b>	<b>450</b>
Receivables from entities within the SA Government	11	165
<b>Total Receivables – SA Government entities</b>	<b>11</b>	<b>165</b>
<b>Total Receivables</b>	<b>276</b>	<b>615</b>

**Interest Rate and Credit Risk**

Receivables are raised for all goods and services provided for which payment has not been received. Receivables are normally settled within 30 days. Trade receivables, prepayments and accrued income are non-interest bearing. It is not anticipated that counterparties will fail to discharge their obligations. The carrying amount of receivable approximates net fair value due to being receivable on demand. In addition, there is no concentration of credit risk.

**Note 11. Property, Plant and Equipment**

	2006 \$'000	2005 \$'000
<b>Land, Buildings and Improvements</b>		
Land at Valuation	5 480	5 480
Buildings and improvements at Valuation	51 052	51 052
Buildings and improvements at Cost	243	-
Works in Progress	84	189
Accumulated Depreciation	(25 231)	(24 171)
<b>Total Land, buildings and improvements</b>	<b>31 628</b>	<b>32 550</b>

**Plant and Equipment**

Plant and Equipment at cost (deemed fair value)	1 267	1 276
Accumulated Depreciation	(1 126)	(1 090)
<b>Total Plant and Equipment</b>	<b>141</b>	<b>186</b>

**Computer Equipment**

Computer Equipment at cost (deemed fair value)	38	41
Accumulated Depreciation	(29)	(35)
<b>Total Computer Equipment</b>	<b>9</b>	<b>6</b>
<b>Total Property, Plant and Equipment</b>	<b>31 778</b>	<b>32 742</b>

**Valuation of Non-current assets**

The valuation of land, buildings and improvements was performed by the Australian Valuation Office as at 30 June 2005.



# Reconciliation of Property, Plant and Equipment

	Land	Buildings & Improvements	Works in Progress	Plant & Equipment	Computer Equipment	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Carrying Amount at 1 July	5 480	26 881	189	186	6	32 742
Additions	-	-	138	18	6	162
Transfers to Buildings & Improvements	-	243	(243)	-	-	-
Depreciation expense	-	(1 060)	-	(63)	(3)	(1 126)
<b>Carrying Amount at 30 June</b>	<b>5 480</b>	<b>26 064</b>	<b>84</b>	<b>141</b>	<b>9</b>	<b>31 778</b>

## Note 12. Heritage Collections

	2006			2005		
	At Valuation	At Cost	Total	At Valuation	At Cost	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Social/Industrial History	239	-	239	222	-	222
Australian Aboriginal Ethnographic	20 211	-	20 211	18 721	70	18 791
Foreign Ethnology	6 963	-	6 963	6 254	-	6 254
Australian Polar Collection	3 258	-	3 258	-	-	-
Minerals	16 878	-	16 878	11 682	70	11 752
Malacology	4 110	-	4 110	3 642	-	3 642
Butterflies	35	-	35	33	-	33
Australian Biological Tissue Bank	7 352	-	7 352	5 192	-	5 192
Australian Helminthological Collection	11 727	-	11 727	8 376	-	8 376
Entomology	31 686	-	31 686	26 134	-	26 134
Arachnology	4 795	-	4 795	4 013	-	4 013
Marine Invertebrates	8 913	-	8 913	5 660	-	5 660
Ichthyology	1 819	-	1 819	1 136	-	1 136
Herpetology	4 200	-	4 200	2 972	-	2 972
Ornithology	8 939	-	8 939	7 834	-	7 834
Mammalogy	5 962	-	5 962	4 223	-	4 223
Fossil	700	-	700	-	250	250
Library	5 608	-	5 608	4 761	-	4 761
<b>Total Heritage Collections</b>	<b>143 395</b>	<b>-</b>	<b>143 395</b>	<b>110 855</b>	<b>390</b>	<b>111 245</b>

## Reconciliation of Carrying Amount of Heritage Collections

	2006			2005		
	Balance	Additions	Revaluation	Balance	Balance	Additions
	1 July		Increment	30 June	1 July	
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Social/Industrial History	222	-	17	239	222	-
Australian Aboriginal Ethnographic	18 791	47	1 373	20 211	18 721	70
Foreign Ethnology	6 254	21	688	6 963	6 254	-
Australian Polar Collection	-	-	3 258	3 258	-	-
Minerals	11 752	268	4 858	16 878	11 682	70
Malacology	3 642	-	468	4 110	3 642	-
Butterflies	33	-	2	35	33	-
Australian Biological Tissue Bank	5 192	-	2 160	7 352	5 192	-
Australian Helminthological Collection	8 376	-	3 351	11 727	8 376	-
Entomology	26 134	56	5 496	31 686	26 134	-
Arachnology	4 013	-	782	4 795	4 013	-
Marine Invertebrates	5 660	-	3 253	8 913	5 660	-
Ichthyology	1 136	-	683	1 819	1 136	-
Herpetology	2 972	-	1 228	4 200	2 972	-
Ornithology	7 834	-	1 105	8 939	7 834	-
Mammalogy	4 223	-	1 739	5 962	4 223	-
Fossil	250	-	450	700	-	250
Library	4 761	-	847	5 608	4 761	-
<b>Carrying Amount at 30 June</b>	<b>111 245</b>	<b>392</b>	<b>31 758</b>	<b>143 395</b>	<b>110 855</b>	<b>390</b>
						<b>111 245</b>

41

**Note 13. Payables**

	2006 \$'000	2005 \$'000
<b>Current</b>		
Creditors and accruals	218	192
Employee on-costs	80	75
<b>Total Current Payables</b>	<b>298</b>	<b>267</b>
<b>Non-Current</b>		
Employee on-costs	75	81
<b>Total Non-Current Payables</b>	<b>75</b>	<b>81</b>
<b>Total Payables</b>	<b>373</b>	<b>348</b>
<b>Payables to Non SA Government entities</b>		
Creditors and accruals	93	104
<b>Total Payables – Non SA Government entities</b>	<b>93</b>	<b>104</b>
<b>Payables to SA Government entities</b>		
Creditors and accruals	125	88
Employee on-costs	155	156
<b>Total Payables – SA Government entities</b>	<b>280</b>	<b>244</b>
<b>Total Payables</b>	<b>373</b>	<b>348</b>

**Interest Rate and Credit Risk**

Creditors and accruals are raised for all amounts billed but unpaid. Sundry creditors are normally settled within 30 days. Employment on-costs are settled when the respective employee benefit that they relate to is discharged. All payables are non-interest bearing. The carrying amount of payables approximates net fair value due to the amounts being payable on demand.

**Note 14. Employee Benefits**

	2006 \$'000	2005 \$'000
<b>Current</b>		
Annual Leave	318	314
Long Service Leave	143	68
Accrued Salaries and Wages	70	56
<b>Total Current Employee Benefits</b>	<b>531</b>	<b>438</b>
<b>Non-Current</b>		
Long Service Leave	782	781
<b>Total Non-Current Employee Benefits</b>	<b>782</b>	<b>781</b>
<b>Total Employee Benefits</b>	<b>1 313</b>	<b>1 219</b>

The total current and non-current employee expense (ie aggregate employee benefit plus related on costs) for 2005-06 is \$611 000 and \$857 000 respectively.

In the 2005-06 financial year, the long service leave benchmark contained in the Accounting Policy Framework IV Financial Asset and Liability Framework remained the same, based on an actuarial assessment. The benchmark for the measurement of the long service leave liability is 7 years.

**Note 15. Provisions**

	2006 \$'000	2005 \$'000
<b>Current</b>		
Provision for workers compensation	28	27
<b>Total Current Provisions</b>	<b>28</b>	<b>27</b>
<b>Non-Current</b>		
Provision for workers compensation	75	68
<b>Total Non-Current Provisions</b>	<b>75</b>	<b>68</b>
<b>Total Provisions</b>	<b>103</b>	<b>95</b>
<b>Reconciliation of the Provision for Workers Compensation</b>		
Provision at the beginning of the financial year	95	103
Increase (Decrease) in Provision during the year	8	(8)
<b>Provision for Workers Compensation at the end of the financial year</b>	<b>103</b>	<b>95</b>



**Note 16. Equity**

	2006 \$'000	2005 \$'000
Retained Profits	133 205	133 527
Asset Revaluation Reserve	44 194	12 436
<b>Total Equity</b>	<b>177 399</b>	<b>145 963</b>
<b>Retained Profits</b>		
Balance at the beginning of the financial year	133 527	133 428
Net Result from ordinary activities	(322)	99
<b>Balance at the End of the Financial Year</b>	<b>133 205</b>	<b>133 527</b>
<b>Asset Revaluation Reserve</b>		
Balance at the beginning of the financial year	12 436	13 957
Increment in heritage collections due to revaluation	31 758	-
Decrement in land, buildings and improvements due to revaluation	-	(1 521)
<b>Balance at the End of the Financial Year</b>	<b>44 194</b>	<b>12 436</b>
<b>Total Equity at the End of the Financial Year</b>	<b>177 399</b>	<b>145 963</b>

**Note 17. Commitments for Expenditure****Operating Lease Commitments**

Commitments under non-cancellable operating leases at the reporting date not recognised as liabilities in the financial report, are payable as follows:

	2006 \$'000	2005 \$'000
Not later than one year	387	393
Later than one year and not later than five years	37	621
<b>Total Operating Lease Commitments</b>	<b>424</b>	<b>1 014</b>

The operating lease commitments comprise:

- Non-cancellable property leases, with rental payable monthly in advance. Contingent rental provisions within the lease agreements require the minimum lease payments to be increased by the Consumer Price Index. Options exist to renew the leases at the end of their terms for a further five years.
- Non-cancellable motor vehicle leases, with rental payable monthly in arrears. No contingent rental provisions exist within the lease agreements and no options exist to renew the leases at the end of their terms.
- A non-cancellable photocopier lease, with rental payable monthly in arrears. No contingent rental provisions exist within the lease agreement and no option to renew the lease at the end of its term.

**Capital Commitments**

Capital commitments under contract at the reporting date, but not recognised as liabilities in the financial report, are payable as follows:

	2006 \$'000	2005 \$'000
Not later than one year	1 502	-
<b>Total Capital Commitments</b>	<b>1 502</b>	<b>-</b>

**Remuneration Commitments**

Commitments for the payment of salaries and other remuneration under employment contracts in existence at the reporting date but not recognised as liabilities are payable as follows:

	2006 \$'000	2005 \$'000
Not later than one year	308	297
Later than one year and not later than five years	750	1 022
<b>Total Remuneration Commitments</b>	<b>1 058</b>	<b>1 319</b>

Amounts disclosed include commitments arising from executive and other service contracts. The Board does not offer remuneration contracts greater than five years.

**Note 18. Contingent Assets and Liabilities**

There are no known contingent assets and liabilities as at 30 June 2006.

## Note 19. Cash Flow Reconciliation

### Reconciliation of Cash

For the purposes of the Cash Flow Statement, cash and cash equivalents includes cash on hand and at bank. Cash as at the end of the financial year as shown in the Cash Flow Statement is reconciled to the items in the Balance Sheet as follows:

	2006 \$'000	2005 \$'000
Deposits with Treasurer		
Cash on hand	3 597	2 682
<b>Cash as Recorded in the Balance Sheet</b>	<b>13</b>	<b>13</b>
	<b>3 610</b>	<b>2 695</b>

### Interest Rate Risk

Cash and cash equivalents is recorded at its nominal amount. Interest is calculated based on the average daily balances of the interest bearing funds. The interest bearing funds of the Museum are the Special Deposit Account titled "Arts South Australia Operating Account" and the Deposit Account titled "Museum Board Bequests Account". Deposits with the Treasurer are bearing a floating interest rate between 5.35% and 5.43%.

	2006 \$'000	2005 \$'000
<b>Reconciliation of Net Cash provided by Operating Activities to Net Cost of Providing Services</b>		
Net cash provided by operating activities	1 077	913
Less Revenues from SA Government	(8 234)	(8 845)
<b>Add (Less) non cash items</b>		
Depreciation of Property, Plant and Equipment	(1 126)	(978)
Donations of heritage collections	392	113
Revaluation increments (decrements)	-	(228)
<b>Changes in Assets and Liabilities</b>		
(Decrease) Increase in Receivables	(339)	405
Increase (Decrease) in Inventories	-	(12)
(Decrease) Increase in Other Assets	(199)	-
(Increase) Decrease in Payables	(25)	41
Increase in Employee Benefits	(94)	(163)
(Increase) Decrease in Provisions	(8)	8
<b>Net Cost of Providing Services</b>	<b>(8 556)</b>	<b>(8 746)</b>

## Note 20. Events After Balance Date

There were no events occurring after balance date.



We certify that:

- That the financial statements are in accordance with the accounts and records of the Museum Board and give an accurate indication of the financial transactions of the Board for the year then ended;
- As presenting fairly, in accordance with the Treasurer's Instructions promulgated under the provisions of the *Public Finance and Audit Act 1987*, applicable Accounting Standards and other mandatory professional reporting requirements in Australia, the financial position of the Museum Board as at the reporting date and the result of its operations and its cash flows for the year then ended; and
- That internal controls over the financial reporting have been effective throughout the reporting period.



Mr S Riley  
General Manager  
SOUTH AUSTRALIAN MUSEUM



Mr S Woolhouse  
Manager Financial Services  
DEPARTMENT OF THE PREMIER AND CABINET