

SOUTH AUSTRALIA

ANNUAL REPORT

OF THE

SOUTH AUSTRALIAN

MUSEUM BOARD

2008-2009



South Australian Museum



Government
of South Australia

September 2009

South Australian Museum
North Terrace
Adelaide, South Australia 5000
www.samuseum.sa.gov.au

Head of Development
Telephone +61 (08) 8207 7641

For copies of this document please contact:

Website: www.samuseum.gov.au
Telephone: +61 (08) 8207 7431
Facsimile: +61 (08) 8207 7643

ISSN 0375-1619

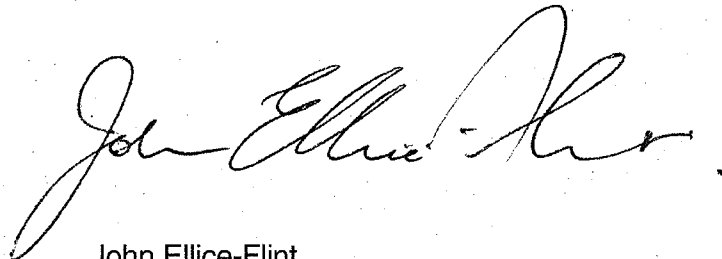
North Terrace, Adelaide Telephone (08) 8207 7500
South Australia 5000 Facsimile (08) 8207 7430
www.samuseum.sa.gov.au



The Hon. Mike Rann MP,
Minister for the Arts

Dear Minister

I am pleased to present the Annual Report of the South Australian
Museum Board for the year ending 30 June 2009.

A handwritten signature in black ink, reading 'John Ellice-Flint'.

John Ellice-Flint
Chair
Museum Board

**ANNUAL REPORT
of the
SOUTH AUSTRALIAN MUSEUM BOARD
2008-09**

CONTENTS	Page No.
1. ROLE, LEGISLATION, STRUCTURE	4
2. ACHIEVEMENTS AND INITIATIVES	6
Introduction	
Alignment with SA Strategic Plan Objectives	
Highlights	
Visitation	
Exhibitions	
Focus Displays	
Touring Exhibitions	
Education Services	
Talks and Tours	
Aboriginal Reconciliation	
Science	
The Collections	
Foundation	
Support Organisations	
Volunteer Support	
Work Experience	
Staff Achievements and Awards	
Commercial Activities	
Media	
Energy Efficiency	
3. PUBLICATIONS – SOUTH AUSTRALIAN MUSEUM STAFF 2008-09	23
4. STAFF LIST	45
5. HUMAN RESOURCES	51
6. OCCUPATIONAL HEALTH, SAFETY AND INJURY MANAGEMENT (OHS&IM)	55

7.	FREEDOM OF INFORMATION ACT, 1991 PART 11 SECTION 9(2)	62
8.	INDEPENDENT AUDIT REPORT	64
9.	FINANCIAL STATEMENTS	67
10.	NOTES TO THE FINANCIAL STATEMENTS	71

ANNUAL REPORT OF THE SOUTH AUSTRALIAN MUSEUM BOARD 2008-2009

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 2008-09 were:

Mr John Ellice-Flint – Chair

Mr Paul Ah Chee

Ms Nyra Bensimon – resigned March 2009

Ms Noelene Buddle

Dr Sue Carthew

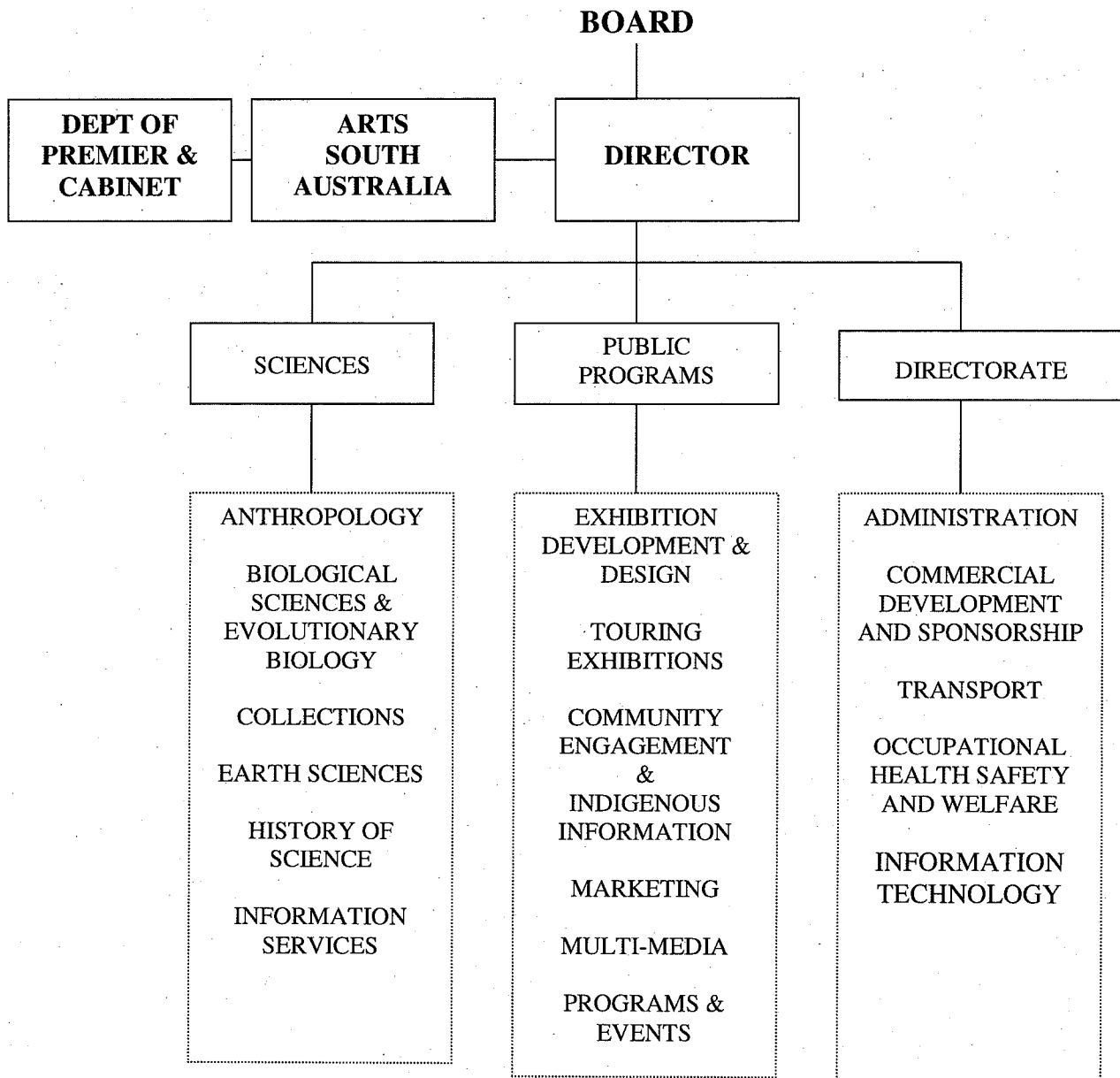
Mr Robert Edwards AO

Ms Elizabeth Perry

Mr Antony Simpson

STRUCTURE

The organisational structure of the South Australian Museum is outlined as follows:



2. ACHIEVEMENTS AND INITIATIVES

INTRODUCTION

As ever, the year has been one of sustained activity and challenge.

The development and adoption of a new strategic plan developed by the Director, Prof Suzanne Miller, in consultation with all major museum stakeholders and embracing all operational activities of the museum has provided a forward template of priorities and focus. In essence, the strategic plan addresses:

- Continuing endeavours to ensure the museum engages with the South Australian community at the broadest level,
- Accessibility to the museum's collections incorporates the latest technologies including digitisation and electronic access,
- Scientific research excellence is maintained and further developed,
- Partnership, collaboration occurs with the State's Universities and,
- The museum consistently ensures the optimum utilisation of all available resources.

The adoption of the strategic plan has been reflected in the museum's ongoing diverse public program of exhibitions, events, and activities combined with continuing science research and collections excellence that is reflected in the ongoing success of research grant funding, publications and collection acquisition through ongoing donations.

ALIGNMENT WITH THE SOUTH AUSTRALIAN STRATEGIC PLAN OBJECTIVES

The museum continues to sustain and develop its commitment to key objectives of the South Australian Strategic Plan. In particular:

- Growing prosperity - through scientific research with economic implications and maintaining appropriate links to and promotion of the State's tourism industry.
- Improved well-being - as a key resource in the cultural and scientific life of the State.
- Attaining sustainability - through the museum's endeavours in energy and water conservation and the promotion of sustainability initiatives through its public programs. Planning for the new Biodiversity Gallery further incorporates significant messages associated with sustainability.
- Fostering creativity and innovation - in widening its audience participation through its active support for initiatives such as the Waterhouse Natural History Art Prize.
- Building communities - through its outreach and regional Roadshow programs and,

- Expanding opportunity - with its delivery of innovative curriculum related education programs, promotion of science career opportunities and scientific research partnerships with South Australian Universities.

HIGHLIGHTS

Visitation

Overall visitation to the museum, its regional events and touring exhibitions for the year was 796,867: the best annual visitation level ever achieved by the museum.

Prime Minister's Literary Award

Dr Phillip Jones, senior researcher in Anthropology, won the inaugural Prime Minister's Literary Award for non-fiction with his work "Ochre and Rust; artefacts and encounters on Australian frontiers". Published by Wakefield Press, the book was selected from amongst a shortlist of seven that had been developed from a total of 103 entries.

The museum congratulates Dr Jones on this achievement.

New Species

Two new species identified by museum scientists in 2007 were awarded top 10 status by the International Institute for Species Exploration.

A new species of taipan, *Oxyuranus temporalis*, identified by Prof Steve Donnellan and Dr Mark Hutchinson. A new species of box jellyfish, *Mlao kingi*, was identified by Dr Lisa-Ann Gershwin.

SA Museum Research Fellow elected to Academy of Social Sciences

Peter Sutton ARC Professorial Fellow at the museum and University of Adelaide became elected as a Fellow of the Academy of Social Sciences in Australia. The ASSA is one of four learned academies in Australia and has a membership of just over 400 Fellows. Peter's work as an anthropologist and linguist was recognized in this honour and is supported by Peter's body of work where as an author or editor of 12 books and over 100 academic published papers focussing on Aboriginal land tenure, language, art and social policy.

VISITATION

Overall visitation to the museum on North Terrace for the year was 764 242: the best annual visitation level ever achieved by the museum. Further, some 11 500 comprising 4000 school students and 7500 members of the general public attended museum Roadshow programs held throughout the year at Port Pirie, Port Augusta, the Riverland and Coorong. In addition, we reported excellent visitor numbers to our travelling exhibitions. Australia's Muslim Cameleers: Pioneers of the inland 1860s – 1930s, toured to Albury Library Museum, NSW, Araluen Arts Centre Alice Springs, NT, and Port Pirie Regional Art Gallery. Ngurrara: The Great Sandy Desert Canvas toured to Bathurst Regional Art Gallery, NSW, and the Riddoch Art Gallery, Mount Gambier. Total visitation to these tour localities was 21,125.

SPECIAL EXHIBITIONS

Twined Together

17 May until 13 July 2008

An exhibition showcasing traditional and contemporary Aboriginal fibre work. The exhibition explored methods of construction and technique used in the creation of a wide range of basket-ware, traditional bags, animal tracks and jewellery.

2008 Waterhouse Natural History Art Prize

2 August until 7 September 2008

The Tasmanian artist Michael McWilliams was awarded the \$50 000 overall prize in the 2008 Waterhouse Natural History Art Prize at a presentation evening held on the 1st of August. The winning painting entitled "Bandicoot Playground" depicted an idealistic image of Bandicoots within a woodland setting.

Balancing the Energy Equation

27 September until 16 November 2008

The exhibition featured means by which animals manage their bodies' energy demands in order to survive extremes of climate. Developed in conjunction with ETSA Utilities, the exhibition linked the way animals can effectively "turn off" body function to cope with extremes of climate in a similar manner to the endeavours pursued by ETSA Utilities in seeking to reduce network demands during peak periods.

Hatching the Past: Dinosaur Eggs and Babies

13 December 2008 until 15 March 2009

The exhibition offered an astounding array of dinosaur eggs and nests collected from around the globe including those of each major plant and meat eating dinosaur group. Presenting the most recent discoveries about dinosaur reproduction and behaviour, the exhibition proved to be an extremely popular Christmas holiday choice and was complemented by a holiday program where 3-12 year olds were able to hatch a dinosaur from an egg or unearth a fossil.

Palaeontology Week

21 March until 29 March 2009

An established part of the museum calendar, the week presented a range of activities covering talks, preparatory work, behind the scenes tours and hosted day trips to fossil regions such as Burra and Hallett Cove. Guest palaeontologists supporting the program included Dr Ben Kear (LaTrobe University), Dr John Scanlon (Riversleigh, Qld), Dr Peter Murray (NT Museum), Dr Natalie Warburton (Murdoch University) and Dr Liz Reed (Flinders University).

Wildlife Photographer of the Year

11 April until 24 May 2009

Reflecting, winning, runner up and commended photographs from this international photographic competition, owned jointly by the Natural History Museum London and BBC Wildlife Magazine, the exhibition continues to sustain its reputation as a major international competition which in 2008 attracted 32 000 entries from 82 different countries.

Rita Hall: Museum Studies 1969 – 2009

4 June until 28 June 2009

A retrospective exhibition of a 40 year art career in which Rita Hall has regularly returned to access the collections of the South Australian Museum as a source of inspiration.

Work reflecting the museum's entomology, mammals, herpetology, birds and Aboriginal collections were all reflected in an exhibition that showcased Rita Hall's resounding presence within the Australian art scene.

Kylie Waters

31 January until 17 April 2009

An exhibition of ceramics in which the artist linked her family history via the museum's collections. Kylie's great grandfather G.A. Heidenreich was the first superintendant of the Hermannsburg Mission and her grandfather A.V. Heidenreich subsequently donated a collection of Aboriginal artefacts to the museum. The exhibition featured Kylie's new art works juxtaposed with the earlier family donated artefacts.

VC and Breastplate display

11 July 2008 until 20 February 2009

The museum also assisted behind the scenes with the tour that was staged by the History Trust to regional SA.

Mr Kerry Stokes and the South Australian Government jointly purchased the Victoria Cross awarded posthumously to Major Peter Badcoe, the only South Australian to be awarded the Victoria Cross during the Vietnam War.

Major Badcoe's VC was displayed at the South Australian Museum and then toured regional South Australia. It will eventually join the permanent display of VCs held at the Australian War Memorial Canberra.

Mr Stokes also generously purchased the Yandruwandha breastplate which he donated to the South Australian Museum. The breastplate was given to Yandruwandha Aboriginal people in 1862 by the Royal Society of Victoria in recognition of the Yandruwandha efforts in trying to save members of the Burke and Wills expedition near Cooper Creek a year earlier. The breastplate remains on permanent display at the museum.

Display of dinosaur skulls

19 December 2008 until 1 July 2009

A focus exhibition of privately-owned dinosaur skull casts proved very popular with our visitors and was an added attraction during the *Dinosaur Eggs & Babies* Exhibition.

Royal Society for the Blind display

20 June until 15 July 2009

Celebrating 125 years of the Royal Society for the Blind, the display guided visitors through the history of the RSB with examples of advances in technology and contemporary industrial services for people suffering visual impairment.

The Spotlight Series

A series of displays focusing on items from the museum's collections, recent donations and interesting research subjects.

April to June 2009

Macropus robustus parasites

The exhibition incorporated a display of roundworms donated by the parasitologist Prof T. Harvey Johnston.

Jan to March 2009

Artefacts from the highlands of West Papua

A collection of axes and adzes (cutting tools) from the indigenous peoples of West Papua and New Guinea. The items were donated to the museum in October 2008.

October to December 2008

Miss McConnel's Tin Trunk - Lost and Found

A trunk containing 3000 manuscript pages and over 900 photographs belonging to the anthropologist Ursula McConnel was rescued from a demolition site by Mr Roger Langford and donated to the museum in 2006.

McConnel's work with the Wik people of Cape York Peninsula, Queensland during the 1920s and 30s saw her acknowledged as an accomplished and public defender of Aboriginal civil rights. The display showed selected photographs and documents providing a rich insight into the Wik people.

July to September 2008

Amazing Minerals

Showcasing a number of individual collectors the exhibited specimens reflected the diversity of mineral and gem stones donated over many years that have enhanced the local, national and international areas of the museum's collection.

Photographs and artefacts from Douglas Mawson's personal collection

Images from Mawson's own collection donated by one of his grandchildren offered a unique insight into his personal and professional life.

Parasites in focus

A photographic display reflecting the ingenious and manipulative life forms of parasites.

EXHIBITION COLLABORATIONS

Children of the Empire

The museum collaborated in a joint exhibition with Tandanya, and the History Trust: 'Children of the Empire'. The exhibition comprised Images of Point Pearce Mission in the 1960s. The exhibition was displayed at Tandanya.

Quest for the South Magnetic Pole

The museum collaborated with the SA History Trust's Maritime Museum on the Vision's funded 'Quest for the South Magnetic Pole' exhibition which opened in May, with plans to tour nationally.

TOURING EXHIBITIONS

Australia's Muslim Cameleers

Albury Library Museum

31 October until 14 December 2008

Araluen Cultural Centre Alice Springs

28 February until 13 April 2009

Port Pirie Regional Art Gallery

25 April until 28 June 2009

Ngurrara: The Great Sandy Desert Canvas

Bathurst Regional Art Gallery

23 January until 8 March 2009

Riddoch Art Gallery, Mount Gambier

28 March until 10 May 2009

Waterhouse at National Archives

25 September until 16 November 2008

COMMUNITY ENGAGEMENT PROGRAMS

National Science Week – Open for Science

16 – 24 August 2008

A wide ranging program celebrating international year of Planet Earth provided opportunity to showcase both current and early scientific research across a range of subjects including mining and resources, outer space and marine biology. The museum has extended the Science Week program to include experiences that cater for younger visitors. This has included highly popular school workshops for early years learners (5-8 year olds). Activities also incorporated a museum stand at the Science Alive weekend at the Wayville Showground.

Biodiversity Month

September 2008

A range of guest presenters provided workshops associated with sustainable environments. In addition, water conservation, sustainable gardening, energy demand management and issues associated with endangered animal species were also covered in a range of focus displays.

Opal Month October 2008

Maintaining the Museums association with the Coober Pedy community the Museum hosted a number of Opal related themed workshops and presentations.

Palaeontology Week 22 March – 30 March 2009

The sixth annual Palaeontology week staged by the Museum incorporated hosted day tours to fossil sights at Burra, Mannum, Hallett Cove and Naracoorte. Within the Museum, workshops explored the extraordinary fossil heritage of South Australia and included online teaching sessions for regional schools.

A further collaborative event with Flinders University presented a Palaeo open laboratory jointly staged within the Museum and at Flinders University.

Visiting eminent Palaeontologists appreciably contributed to the workshop programs.

Tell me a Story

Tell me a Story is a special, new interactive program designed for young children and their families to discover some of the wonderful stories from the museum collections. It is a free event provided once a month for 3-5 year olds. Attendance has increased due to thoughtful decision making about publicity opportunities. We are now developing a group of returning visitors who attend each month.

School Holiday Program

One of the highlights for families is our extremely popular School Holiday Program. Over the last year the Community Engagement team has created a project management plan to ensure the continual growth and review of this program. We have successfully achieved many of the planned key objectives including:

- A staff recruitment process that involved a thorough selection process, increasing the staff from three to seven.
- Regular visitation to the museum through the School Holiday Program with a large total of 11 388 visitors attending the program over the last year.
- Strengthening the connections between the School Holiday Program and the museum's collections and stories through careful selection of activities, interpretation, handouts, trails and publicity.
- Building on safe work practices within the School Holiday Program including the development of OHSW training programs and safe operating procedures.

Can You Dig It: Family Day

This event was developed by the Community Engagement team to accompany the *Hatching the Past* exhibition. It included live performances, craft workshops, face painting, storytelling, touch tables and a large dig pit. This family day was an enormous success with 4519 visitors attending. Feedback gathered from the families on this day highlighted the desire for more events that encourage interactivity and hands-on experiences for all ages.

Bring us your Bugs

This highly successful event was collaboration between the museum, UniSA, 891 ABC Adelaide, Burt's Bees, FauNature, Adelaide and Mount Lofty Ranges Natural Resource Management Board and SANTOS. Researchers from Uni SA and the museum identified and catalogued live invertebrates collected by the public from the 'wilds' of Adelaide. Held on the front lawns and involving ABC Adelaide in a live broadcast, it attracted thousands of visitors. Over 1000 bugs (including one moth unrecorded for 70+ years) were collected and the museum recorded an attendance of 4651 visitors through its doors. There are plans to organise a follow-up event in the future.

TALKS AND TOURS

Sprigg Lecture Series

Commemorating the remarkable Dr Reginald Sprigg, the Sprigg lecture was inaugurated to both honour the science of Dr Sprigg by presenting an outstanding scientist addressing current issues. The museum was delighted that the first Sprigg lecture on 19th August, 2008 was given by Prof Tim Flannery former director of the museum and Prof of Environmental and Life Sciences at Macquarie University (titled 'Acting on Climate Change: the next four decades').

Focusing on issues associated with water, the initial program presented diverse and thought-provoking talks as follows:

'Water Supply in Adelaide: understanding the issues' by Prof John Argue (SA Water Centre for Water Management and Reuse, University of South Australia)

'Sustaining our Spirits: the role of water in recreational landscapes' by Angela Hazebrook (director Urban and Regional Planning Solutions)

'Heritage and Botanical Gardens: will they survive?' by Richard Heathcote (director Carrick Hill) and Stephen Forbes (director Adelaide Botanic Gardens)

24 March 2009: 'Reconstructing the Past Using Ancient DNA from Dinosaur to Mammoths' by Prof Alan Cooper (federation fellow of Earth and Environmental Sciences and director Australian Centre for Ancient DNA, University of Adelaide)

2 December 2008: 'The Wonder of Natural Science' by Prof Suzanne Miller (director of South Australian Museum)

Torchlight Tours

A range of highly popular torchlight tour events have been provided throughout the last year, designed to complement special events including the *Hatching the Past* exhibition, *Exploring Extremes* event and Palaeontology Week. Over 100 visitors of all ages have attended these tours.

REGIONAL ROADSHOWS

May

Yorke Peninsula – Ardrossan Area School, Port Vincent Primary School and Wallaroo Primary School.

July

Solomon Town Primary School, Port Pirie, Port Augusta based at the barracks part of the Augusta Re-Images Cultural Centre including a Spotlight on Science and Family Day.

September

School visits to Barmera, Berri and Loxton complimented a display at the Riverland field days showcasing South Australian Museum research on biodiversity.

November

The Coorong incorporating school days in Meningie, Kingston and Robe with a family day occurring at the annual Robe village fair.

OFFICIAL VISITS AND TOURS

July 08

High Commission of India, Sujan R Chinoy.

His Excellency Dr Hannes Porias, Ambassador of Austria.

September 08

His Excellency Mr Juraj Chmiel, Ambassador of the Czech Republic.

October 08

His Excellency Professor Sunday Olu Agbi, High Commissioner of the Federal Republic of Nigeria.

November 08

His Excellency Mr Mahmoud Movahhedi, Ambassador of the Islamic Republic of Iran.

February 09

His Excellency Mr Andrzej Jaroszynski, Ambassador of the republic of Poland.

April 09

His Excellency Mr Yogendra Dhakal, Ambassador of Nepal.

May 09

His Excellency Mr Carlos Sanchez De Boado Y De La Valgoma, Ambassador of Spain.

His Royal Highness Crown Prince Tupouto'a Lavaka, High Commissioner of the kingdom of Tonga.

EDUCATION SERVICES

Museum school visitation

The total school visitation to the museum for the period was 30 998 students. Total visitation/access to museum education programs including Roadshows, Travelling Education Service and Discovery Cases was 38 359 students.

Galleries and exhibitions most visited were:

- **AACG** – 12 078
- **Mawson** – 3274
- **Egypt** – 3192
- **Fossils** – 1513
- **World Mammals** – 1343
- **Science Centre** – 1281

(Australian Animals is usually popular, but has been closed for redevelopment during this reporting period.)

Visitation by sector

- **Public schools** – 20 600
- **Catholic and Independent** – 10 428

The education team worked closely in collaboration with public programs and science staff to ensure that innovative teaching and learning programs were accessible to students in both the metropolitan and country schools across South Australia.

The Travelling Education Service

Education officers continued to work in collaboration with Exhibitions staff and museum scientists on the development of a new Travelling Education Service (TES). The exhibition modules focus on collections-based scientific research at the museum with reference to the study of evolution, arachnids, deep-sea animals, marine reptiles and Ediacaran fossils.

Teacher Professional Development

A professional development meeting was organised at the museum for science teachers to trial and evaluate the new TES exhibition titled 'Collect Research Discover'. Teachers were positive about the potential for the exhibition and inquiry cards to engage and inspire students from R-12 in the process of 'working scientifically'.

A trial and evaluation of the exhibition occurred between May and July when it travelled to schools on the Yorke Peninsula. During this trial period 3000 students accessed the new modules.

Special education programs

A number of highly successful special programs were organised for schools in collaboration with the managers of the museum's Community Engagement team including National Science Week, Hatching the Past, Palaeontology Week, Come

Out, as well as the Waterhouse Natural History Art exhibition. Museum Roadshows to the Riverland, Pt Augusta, the Coorong and Kangaroo Island with total number of 811 students accessing programs.

'Our Near Neighbours', a new schools program utilising discovery drawers and a special education display case has been developed in collaboration with school teachers and members of the Pacific Islands community in Adelaide. A series of workshops with teachers and students were organised to frame the content and teaching and learning processes. A grant of \$2000 was received from the Multicultural Education Committee to assist in purchasing Ultraflip cameras for use by students involved in the program.

The education Discovery Cases are in the process of being upgraded using new cases and revised contents. 4236 students accessed this museum resource. This has been made possible with sponsorship from Santos.

The Indigenous Youth Program occurred in term 3, 2008 and term 2, 2009 engaging young Aboriginal students in learning about their own history and culture utilising the museum's staff and resources including the Australian Aboriginal Cultures Gallery, the Museum Archives and the ethnographic collections in storage at Netley. Future programs will also include an introduction to the Ara Irititja Archiving project.

ABORIGINAL RECONCILIATION

The Museum continues its active participation in the Return of Indigenous Cultural Property program funded by the Federal Government. Consultations continue with Aboriginal communities and senior custodians within both South Australia and interstate to inform the collections and as appropriate, enact repatriation to traditional owners of ancestral remains and secret/sacred objects.

SCIENCE – RESEARCH

The Museum has maintained its formidable reputation in science research.

Anthropology & Archives

- Andrew Fyfe completed his PhD on a project based on data from the Upper Sepik-Central New Guinea region.
- The newly-appointed President of the Board of the Papua New Guinea National Museum and Art Gallery, Julius Violaris, visited the museum seeking advice about the restructuring and revitalisation of that museum.
- In January, the museum received a donation of the external painted façade and entire contents of a men's cult house collected from the Abelam peoples of northern New Guinea several years ago. This donation was made by Neil McLeod of Melbourne, under the Federal Government's Cultural Gifts Program. The house was collected under the supervision, and with the permission, of the PNG National Museum. There are only three or four such cult houses in collections world-wide.
- The Repatriation of Indigenous Cultural Property program funded expeditions to remote Aboriginal communities in Central Australia and Arnhem Land to consult

over the return of Ancestral Remains and Secret Sacred Men's Objects.

- Peter Sutton was elected a Fellow of the Academy of the Social Sciences in Australia.
- One hundred and nineteen botanical ethnographic objects were loaned to the Museum of Economic Botany, at the Botanic Gardens of Adelaide, for display in their galleries for an initial period of five years.
- Remarkable archaeological finds were made relating to early settlement of Adelaide and the contact landscape.
- Staff in the Mawson Centre successfully collaborated with the SA History Trust's Maritime Museum on the Vision's funded 'Quest for the South Magnetic Pole' exhibition which opened in May, with plans to tour nationally.
- Archives staff have been working on the 'Aboriginal Visual History Project', an ARC grant that is documenting chronologically all images of Aboriginal people nationally. Monash University is the Chief Investigator.
- Archives staff contributed content to the Point Pearce 140th celebration display.
- Eleazar Bramley, an intern for four weeks from the Taupo Museum, New Zealand, researched the George French Angas New Zealand watercolours. Repatriation of copies is planned following consultation with all the relevant iwi (tribes) represented.

Biological Sciences

- The Annual Scientific Conference of the Australian Society for Parasitology Inc. and the ARC/NHMRC Research Network for Parasitology was held in Glenelg in July 2008. The organising committee for the conference, which attracted over 200 delegates, was chaired by Associate Prof Ian Whittington and comprised Honorary Research Associate, Prof Lesley Warner and parasitologists from The University of Adelaide, Flinders University and SARDI.
- Twenty seven papers were published about specimens in the Australian Helminthological Collection in this financial year.

Earth Sciences

- Major advances in research programs into the chemistry and physics of ore deposit formation including the construction and testing of new high pressure and high temperature hydrothermal cells for the in situ study of ore forming process by synchrotron x-ray radiation and neutron diffraction.
- Three students: Hoo Hyun Sung – The Nature of gold mineralization at Sunrise Dam WA; Fang Xia – Mechanisms of pseudomorphic mineral replacements; Pierre-Alain Wulser – Uranium metallogeny in the north Flinders Ranges region, completed their PhDs on projects within the Minerals, Metals and Solutions research group.
- The group was instrumental in organizing the successful GEOFLUIDS 2009 International Conference at the National Wine Centre in Adelaide.
- Financing and design of a new laboratory dedicated to the chemistry and physics of ore deposit formation (SA Museum/University of Adelaide, located in the Science Centre of the museum) has been completed, and the laboratory will be inaugurated in late 2009.
- Palaeontology staff have been leading an international research team working on discovery and identification of new Cambrian fossils from Kangaroo Island. The

team has assisted in highly popular local community engagement.

Museum Science staff continue their extraordinarily diverse support in undertaking a wide variety of talks and presentations on their work to a range of scientific conferences, specialist interest groups, community and service groups, and schools. Additionally staff readily provided input to an extensive range of media enquiries relevant to their specific areas of expertise.

THE COLLECTIONS

Following on from the work of last year to establish a clearer picture of collection strengths and gaps for acquisition attention in the future, all collections have now been assessed in terms of documentation and digitisation. The Museum is keen to digitise as much of the collections as possible to facilitate access to information by all users, be they in-house or via the WWW. Although resourcing these activities remains a challenge the museum will continue to seek opportunities to progress this vital activity.

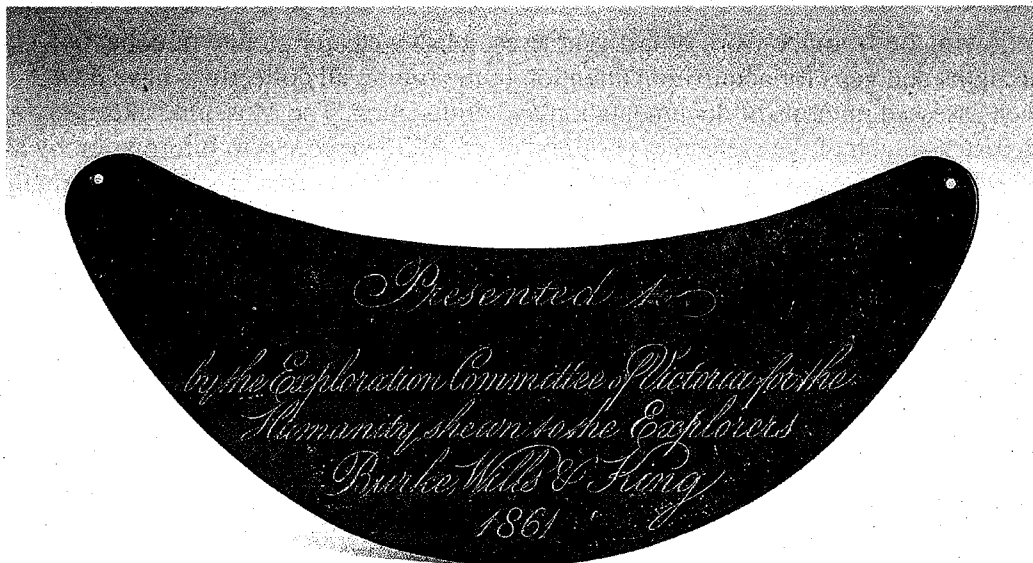
Collection Management Highlights of the year include:

- Considerable input from the Collection Management team to the development of the Biodiversity Gallery which will represent over three thousand vertebrate and invertebrate species.
- The Mineralogy and Meteorites collections have been added to the Emu database systems.
- The Australian Archaeology collections have been successfully reactivated with a regular stream of Flinders University students undertaking both research and training using our collections.
- Completion of the Preventive Conservation surveys and IPM management programs for Entomology, Australian Ethnology and Ara Irititja collections.

Acquisition highlights

- Murray Thompson Gold Donation to Mineralogy Collection. The collection is notable for its content of rare, crystallised specimens from South Australian goldfields, some of which are outstanding examples. Specimens of particular importance include a specimen of 'leaf' and 'wire' gold from Mongolata, SA; an unusually rich specimen of gold in quartz from Wadnaminga, SA; and an exceptional gold crystal from the Flinders Ranges, SA.
- An outstanding bark painting relating to a site in Darwin Harbour, dating to 1944, which is very early. This is attributed to a Groote Eylandt artist, and may indicate wartime dislocation. This bark painting was purchased with Board funds.
- A significant South Australian Lower Murray River shield purchased with Board funds.
- Five Lower Murray River baskets from Harold Sheard's collection. Sheard was an associate of the museum and worked closely with Norman Tindale on Lower Murray archaeological investigations during the late 1920s, and subsequently became a key supporter of Charles Mountford. The baskets were purchased with Board funds.

- A bark painting, of Baru the Crocodile, by the Yolngu artist, Waidjung. It is correctly attributed to the 1948 American Australian Expedition to Arnhem Land, and was collected by Charles Mountford, then gifted to Harold Sheard. This painting was purchased with Board funds.
- Burke & Wills breastplate, purchased at Auction by the Hon Kerry Stokes and donated to the museum:



FOUNDATION

The South Australian Museum Foundation continues its fund raising endeavours on behalf of the Museum and has particularly concentrated on further fund raising associated with the development of the Biodiversity Gallery.

SUPPORT ORGANISATIONS

The Friends of the SA Museum (FOSAM)

The Friends of the SA Museum have completed another successful year. Membership remains static. At renewal times, a few people elect not to renew, but we continue to have new people join throughout the year. We have found that the public peruse the brochures placed in the carousel in the museum's foyer and join up without previous contact. Due to the present economic climate, we are unsure if membership numbers will fluctuate in the future.

Presently members continue to support the Friends' functions and we constantly receive comments about the variety of speakers and their subjects. The other aspect to

comment on is the quality of our monthly newsletter. Some older members, who are no longer able to attend functions, have commented that they enjoy the newsletter and it keeps them up to date on what is happening with the Friends and the museum.

Next year is the Friends' 45th anniversary and we are in the process of planning a special celebratory dinner and it is anticipated we will have some special guests attending.

During the absence of Melissa Clancy, the Friends will be taking over the Australian Aboriginal Cultures Gallery (AACG) tours for the cruise ships next summer. We will also be conducting special tours of the AACG with guides trained for this particular gallery. Revenue received from these tours will be shared between the museum and the Friends.

The Waterhouse Club

The Waterhouse Club completed its year of service to the museum with over 350 members and \$250 000 in cash available to the SA Museum Foundation. Highlights of the year, that engaged many of Adelaide's leaders, include an expedition to Namibia to study the Ediacaran fossil beds, the Totally Petrified Dinner (a witty combination of Palaeo-science and stagecraft) and major collecting expedition to Quinyambie Station east of Lake Callabonna.

Volunteer Support

Museum volunteers continue to provide an extraordinary range of support activities to the operations of the Museum. In many areas of collections maintenance, research support and visitor services the volunteer contribution is never failing in assisting the Museum.

Over the last year we have doubled the number of front-of house volunteers from 24 to 50. There has also been an enormous turn-around in volunteer satisfaction and a vast growth in group cohesion. Some key initiatives that have supported these shifts include:

- A recruitment process that involved information sessions and thorough selection processes.
- The establishment of a Working Party structure within the volunteers for decision making and operations.
- The establishment of a mentor program to support the development of trainee guides.
- Regular forums and the development of a comprehensive core learning program that address the needs and interests of trainee and existing volunteers (including OHSW and information about museum collections and operations).

WORK EXPERIENCE

As a component of its community engagement, the Museum maintained its efforts to offer secondary and tertiary students appropriate work experience placements. Sixteen placements have been awarded across both science and public program activities.

STAFF ACHIEVEMENTS AND AWARDS

Prime Minister's Literary Award for Non-fiction

Dr Phillip Jones, senior researcher in Anthropology, won the inaugural Prime Minister's Literary Award for non-fiction with his work "Ochre and Rust; artefacts and encounters on Australian frontiers". Published by Wakefield Press, the book was selected from amongst a shortlist of 7 that had been developed from a total of 103 entries.

New Species

Two new species identified by museum scientists in 2007 were awarded top 10 status by the International Institute for Species Exploration.

A new species of taipan, *Oxyuranus temporalis*, identified by Prof Steve Donnellan and Dr Mark Hutchinson. A new species of box jellyfish, *Mlao kingi*, was identified by Dr Lisa-Ann Gershwin.

SA Museum Research Fellow elected to Academy of Social Sciences

Peter Sutton ARC Professorial Fellow at the museum and University of Adelaide became elected as a Fellow of the Academy of Social Sciences in Australia. The ASSA is one of four learned academies in Australia and has a membership of just over 400 Fellows. Peter's work as an anthropologist and linguist was recognized in this honour and is supported by Peter's body of work where as an author or editor of 12 books and over 100 academic published papers focussing on Aboriginal land tenure, language, art and social policy.

COMMERCIAL ACTIVITIES

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

Venue Hire

Continuing marketing endeavours have enhanced awareness and reputation of the museum's venue hire opportunities. The redeveloped Pacific Cultures Gallery is proving an attractive venue for corporate functions. The museum is also pleased to see an increasing number of interstate organisations hiring the museum's gallery spaces.

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

MEDIA

Recognition of the museum brand and competition is good and growing and media outlets have reported more museum stories, while advertising has been reduced. Media hits were increased by 6% from last financial year.

Staff contributed to over 25 media interviews.

WEBSITE

Web visits to the museum site were 1 649 837. The museum has begun planning a new website to be launched in 2010.

GREENING OF GOVERNMENT

The Museum maintains its commitment to energy efficiency by means of an ongoing program supported by all museum staff. An energy efficiency review was undertaken by Energy Focus in conjunction with Arts SA in April and the museum looks forward to enacting any initiatives arising from this review.

Within the design brief of the new Biodiversity Gallery considerable attention is being given to incorporating energy efficiency and use of sustainable materials within the gallery display.

3. PUBLICATIONS, TEACHING & DISSEMINATION OF RESEARCH – MUSEUM STAFF 2008-2009

Museum staff contributed 3220 hours towards tertiary teaching at various Universities.

Research collaborations maintained 43 partnerships (5 with other museums, 20 with Universities and 18 with other research institutions).

Museum staff published 170 scholarly publications, 64 other publications and presented a further 80 academic lectures, workshops and conference papers.

Staff presented museum research at more than 125 public talks and lectures.

3.1 Books and monographs:

Fedonkin, M. A., **Gehling, J.G.**, Grey, K., Narbonne, G.M. Vickers-Rich, P., (2008). *The Rise of Animals. Evolution and Diversification of the kingdom Animalia*. Johns Hopkins Press, Washington, 302 pp

Hutchinson, M. (2009). *Insiders: Reptiles*. Weldon-Owen, Sydney.

Matthews, E.G., and Bouchard, P. (2008). *Tenebrionid Beetles of Australia: Descriptions of tribes, keys to genera, catalogue of species*. Australian Biological Resources Study, Canberra.

Pikacha, P., Morrison, C., and **Richards, S.J.** (2008). *Frogs of the Solomon Islands*. University of the South Pacific, Fiji.

Tyler, M.J., and Knight, F. (2009). *Field Guide to the Frogs of Australia*. CSIRO Publishing, Collingwood, Australia.

Tyler, M.J., and Doughty, P. (2009). *Field Guide to Frogs of Western Australia*. 4th Revised Edition, Western Australian Museum, Perth.

Tyler, M.J. (2009). *Yes It's True! Frogs Are Cannibals*. Allen and Unwin, (Korean Language Edition).

Veth, P., Margo, N., and **Sutton, P.** (eds) (2008). *Strangers on the shore: early coastal contacts in Australia*. National Museum of Australia Press, Canberra.

3.2 Chapters in books:

Bowie, J. H., Jackway, R. J., Separovic, F., Carver, J. A. and **Tyler, M. J.** (2009). Host-defense peptides from the secretion of the skin glands of frogs and toads: membrane-active peptides from the genera *Litoria*, *Uperoleia* and *Crinia*: In J. Howl and S. Jones (eds) *Bioactive Peptides*, pp 333-355, Chapter 15. Taylor and Francis Publishing Group, UK.

Cairns, S., Gershwin, L., et al. (2009). Phylum Cnidaria: corals, medusae, hydroids, myxozoans: In Gordon, D. P. *The New Zealand Inventory of Biodiversity*. Canterbury University Press, Christchurch, New Zealand.

Jones, P. (2008). The idea behind the artefact: Norman Tindale's early years as a salvage ethnographer: In Nicolas Peterson, Lindy Allen and Louise Hamby (eds.) *The makers and making of indigenous Australian museum collections*, pp 315-54. Melbourne University Press, Melbourne.

Jones, P. (2009). George French Angas. Colonial artist at large: In Jaynie Anderson (ed.) *Crossing Cultures: Conflict, Migration and Convergence. Proceedings of the 32nd International Congress on the history of art, 13-18 January 2008*, pp 322-27. The Miegunyah Press, Melbourne.

Kemper, C. M. (2008). Pygmy right whale: In Perrin, W. F., Wursig, B. and Thewissen J. G. M. (eds.) *Encyclopedia of marine mammals*, pp 939-941, Second Edition. Academic Press, San Diego.

Miller, S. (2008). Petrology of the Hilton of Cadboll Pictish cross-slab: In James, H. F., Henderson, I., Foster, S. M. and Jones, S. *A Fragmented Masterpiece: recovering the biography of the Hilton of Cadboll Pictish cross-slab*. Society of Antiquaries of Scotland, Edinburgh, Scotland.

Paterson, J. R., Jago, J. B., Gehling, J. G., Garcia-Bellido, D. C., Edgecomb, G. D. and Lee, M. S. Y. (2008). Early Cambrian arthropods from the Emu Bay shale Lagerstätte, South Australia: In I. Rabano, R. Gozalo and D. Garcia-Bellido (eds) *Advances in Trilobite Research*, pp 319-325. Instituto Geologico y Minero de Espana, Madrid.

Sheil, R. J., Smales, L., Sterrer, W., Duggan, I. C., Pichelin, S and Green, J. D. (2009). Phylum Gnathifera: In Richardson, D. (ed.) *The New Zealand Inventory of Biodiversity: Volume 1. Kingdom Animalia*, pp137-158, Chapter 8. Canterbury University Press, Christchurch.

Sutton, P. (2008). Stanner and Aboriginal land use: ecology, economic change, and enclosing the commons: In Hinkson, M. and Beckett, J. (eds.) *An appreciation of difference: WEH. Stanner and Aboriginal Australia*, pp169-184. Aboriginal Studies Press, Canberra.

Sutton, P. (2008). Stanner's veil: transcendence and the limits of scientific inquiry: In Hinkson, M. and Beckett, J. (eds) *An appreciation of difference: WEH. Stanner and Aboriginal Australia*, pp 115-125. Aboriginal Studies Press, Canberra.

Sutton, P. (2009). Arthur Koo'ekka Pambegan Jr.: In Croft, B. (ed) *Culture warriors: National Indigenous Art Triennial*, pp 32-36, Second Revised Edition. National Gallery of Australia, Canberra.

Tyler, M. J. (2008). Gastric-Brooding Frogs: In Stuart, S. et al. (eds.) *Threatened Amphibians of the World*, pp 71, Lynx Edicions, Barcelona; IUCN Gland, Switzerland; Conservation International, Virginia, USA. 758 pp.

Whittington, I. D. and Chisholm, L.A. (2008). Diseases caused by Monogenea. In: Eiras, J. C., Segner, H., Wahlii, T. and Kapoor, B.G. (eds.) *Fish Diseases Volume 2*, pp 683-816, Chapter 13. Science Publishers, Inc., New Hampshire, USA.

3.3 Scholarly journal papers:

Ashton, G. V., **Stevens, M. I.**, Hart, M. C., Green, D. H., Burrows, M. T., Cook, E. J. and Willis, K. J. (2008). Mitochondrial DNA reveals multiple northern hemisphere introductions of *Caprella mutica* (Crustacea: Amphipoda). *Molecular Ecology* **17**: 1293-1303.

Ayliffe, L. K., **Prideaux, G. J.**, Bird, M. I., Grün, R., Roberts, R. G., Gully, G. A., Jones, R., Fifield, L. K. and Cresswell, R. G. (2008). Age constraints on Pleistocene megafauna at Tight Entrance Cave in southwestern Australia. *Quaternary Science Reviews* **27**: 1784–1788.

Baikie, T., Ferraris, C., Klooster, W. T., Madhavi, S., Pramana, S. S., **Pring, A.**, Schmidt, G. and White, T. J. (2008). The crystal chemistry of minetite (Pb₁₀(AsO₄)₆Cl₁₁·48H₂O) and finnemanite (Pb₁₀(AsO₃)₆Cl₁₂). *Acta Crystallographica* **B64**: 34-41.

Beveridge, I. (2008). *Mathevotaenia niuguiniensis* n. sp. (Cestoda: Anoplocephalidae: Linstowiinae) from the water-rat *Parahydromys asper* (Thomas) in Papua New Guinea, with a list of species of *Mathevotaenia* Akumyan, 1946. *Systematic Parasitology* **71**: 189-198.

Beveridge, I. (2009). A re-description of *Progamotaenia ewersi* (Schmidt, 1975) (Cestoda: Anoplocephalidae) from wallabies and kangaroos (Macropodidae) with the description of a new species, *Progamotaenia ualabati* n. sp. *Transactions of the Royal Society of South Australia* **133**: 1-17.

Beveridge, I. and Shamsi, S. (2009). Revision of the *Progamotaenia festiva* species complex (Cestoda: Anoplocephalidae) from Australasian marsupials, with the resurrection of *P. fellicola* (Nybelin, 1917) comb. nov. *Zootaxa* **1990**: 1-29.

Bertozzi, T. and Davies, K. A. (2009). *Anguina paludicola* sp. n. (Tylenchida: Anguinidae): The nematode associated with *Rathayibacter toxicus* infection in *Polypogon monspeliensis* and *Lachnagrostis filiformis* in Australia. *Zootaxa* **2060**: 33-46.

Bilusich, D., Jackway, R. J., Musgrave, I. F., **Tyler, M. J.** and Bowie, J. H. (2009). The host-defence skin peptide profiles of Peron's Tree Frog *Litoria peronii* in winter and summer. Sequence determination by electrospray mass spectrometry and activities of the peptides. *Rapid. Commun. Mass. Spectrom.* **23**: 2628 – 2636.

Black, A. and **Horton, P.** (2008). Obituary: John Eckert. *South Australian Ornithologist* **35**: 145-149.

Blacket, M. J., **Kemper, C. M.** and Brandle, R. (2008). Planigales (Marsupialia: Dasyuridae) of eastern Australia's interior: a comparison of morphology, distributions

and habitat preferences, with particular emphasis on South Australia. *Australian Journal of Zoology* **56**: 195-205.

Blanch, A. J., Quniton, J. S., Leneham, C. E. and **Pring, A.** (2009). The crystal chemistry of Al-bearing goethite: An infrared spectroscopy study. *Mineralogical Magazine* **72**: 1043-1056.

Bradford, T., **Adams, M.**, Humphreys, W. F., Austin, A. D. and **Cooper, S. J. B.** (2009). DNA barcoding of stygofauna uncovers cryptic amphipod diversity in a calcrete aquifer in Western Australia's arid zone. *Molecular Ecology Resources* (Published Online: April 22, 2009).

Brown, R. M. and **Richards, S. J.** (2008) Two new frogs of the genus *Platymantis* (Anura: Ceratobatrachidae) from the Isabel Island group, Solomon Islands. *Zootaxa* **1888**: 47-68.

Brugger, J., Etschmann, B., Pownceby, M., Liu, W., **Grundler, P.** and Brewe, D. (2008). Tracking the Chemistry of Ancient Fluids: Oxidation State of Europium in Hydrothermal Scheelite. *Chemical Geology*, **257**: 26-33.

Buckley, A. N., Skinner, W. M., Harmer, S. L., **Pring, A.**, and Fen, L.-J. (2009). Electronic environments in carrollite CuCo_2S_4 , determined by soft X-ray photoelectron and absorption spectroscopy. *Geochimica et Cosmochimica Acta* **73**: 4452-4467.

Byrne, M., Yeates, D. K., Joseph, L., Kearney, M., Bowler, J., Williams, M. A., **Cooper, S. J. B., Donnellan, S. C.,** Keogh, S., **Leijs, R.,** Melville, J., Murphy, D., Porch, N. and Wyrwoll, K.-H. (2008). Birth of a biome: Synthesizing environmental and molecular studies of the assembly and maintenance of the Australian arid zone biota. *Molecular Ecology* **17**: 4398-4417.

Campbell, R. A. and **Beveridge, I.** (2009). *Oncomegas aetobatidis* sp. nov. (Cestoda: Trypanorhyncha), a re-description of *O. australiensis* Toth, Campbell & Schmidt, 1992 and new records of *Trypanorhynch cestodes* from Australian elasmobranch fishes. *Transactions of the Royal Society of South Australia* **133**: 18-29.

Chapple, D. G., **Hutchinson, M. N.,** Maryan, B., Plivelich, M., Moore, J. A. and Keogh, J. S. (2008). Evolution and maintenance of colour pattern polymorphism in the *Liopholis* (Squamata: Scincidae). *Australian Journal of Zoology* **56**: 103-115.

Chilton, N. B., Huby-Chilton, F., **Smales, L. R.,** Gasser, R. B. and **Beveridge, I.** (2009). Genetic divergence between island and continental populations of the parasitic nematode *Labiosimplex australis* in Australia. *Parasitology Research* **104**: 229-236.

Chisholm, L. A. and Whittington, I. D. (2009). *Dendromonocotyle urogymni* sp. nov. (Monogenea, Monocotylidae) from *Urogymnus asperrimus* (Elasmobranchii, Dasyatidae) off eastern Australia. *Acta Parasitologica* **54**: 113-118.

- Chisholm, L. A. and Whittington, I. D.** (2009). *Malalophus jenseni* n.g., n. sp. (Monogenea: Monocotylidae) from the gills of *Aetomylaeus vespertilio* (Myliobatidae) off northern Australia. *Systematic Parasitology* **73**: 81-86.
- Christidis, L., **Horton, P.** and Norman J. A. (2008). Subspeciation in the Short-tailed Grasswren (*Amytornis merrotsyi*, Maluridae). *Emu* **108**: 275-282.
- Ciobanu, C., **Pring, A.**, Cook, N., Self, P., Jefferson, D. A., Dima, G. I. and Melnikov, V. (2009). Chemical-structural modularity in the tetradymite group: a HRTEM study. *American Mineralogist* **94**: 517-534.
- Ciobanu, C. L.**, Cook, N. J., **Pring, A.**, **Brugger, J.**, Danyushevsky, L. and Shimizu, M. (2009). Invisible gold in bismuth chalcogenides. *Geochimica et Cosmochimica Acta* **73**: 1970-1999.
- Ciobanu, C. L.**, Cook, N. J., **Pring, A.**, Damian, G. and Capraru, N. (2008). Another look at nagyágite from the type locality, Săcărîmb, Romania: Replacement, chemical variation and petrogenetic implications. *Mineralogy and Petrology* **93**: 273-30, 7.
- Clarke, P. A.** (2009). Australian Aboriginal ethnometeorology and seasonal calendars. *History & Anthropology* **20** (2): 79-106.
- Convey, P., Gibson, J. A. E., Hillenbrand, C.-D., Hodgson, D. A., Pugh, P. J. A., Smellie, J. L. and **Stevens, M. I.** (2008). Antarctic terrestrial life – challenging the history of the frozen continent? *Biological Reviews* **83**: 103-117.
- Cook, N. J., Ciobanu, C. L., **Pring, A.**, Skinner, W., Shimizu, M., Danyushevsky, L., Saini-Eidukat, B. and Melcher, F. (2009). Trace and minor elements in sphalerite: a LA-ICPMS study. *Geochimica et Cosmochimica Acta* **73**: 4761-4791.
- Craig, B.** (2008). Sorcery Divination Among the Abau of the Idam Valley, Upper Sepik, Papua New Guinea. *Journal of Ritual Studies* **22** (2): 37-51.
- Craig, B.**, Lewis, G. and Mitchell, W. E. (2008). War shields of the Torricelli Mountains, West Sepik Province, Papua New Guinea. *Oceania* **78** (3): 241-59.
- Dahl, C., Novotny, V., Moravec, J. and **Richards, S. J.** (2009). Beta diversity of amphibians in the forests of New Guinea, Amazonia and Europe: contrasting tropical and temperate communities. *Journal of Biogeography* **36**: 896-904.
- Dennis, S. D., **Lavigne, R. J.** and Dennis, J. G. (2009). Lepidoptera as prey of robber flies (Diptera: Asilidae) with unpublished records. *Journal of the Entomological Research Society* **11** (1): 71-84.
- Donnellan, S. C.**, Armstrong, J., Pickett, M., Milne, T., Baulderstone, J., Hollfelder, T. and **Bertozzi, T.** (2009). Systematic and conservation implications of mitochondrial DNA diversity in emu-wrens, *Stipiturus* (Aves: Maluridae). *Emu* **109**: 143-152.

Doughty, P. and **Hutchinson, M. N.** (2008). A new species of *Lucasium* (Squamata: Diplodactylidae) from the southern deserts of Western Australia and South Australia. *Records of the Western Australian Museum* **25**: 95-106.

Droser, M.L. and **Gehling, J.G.** (2008). Synchronous Aggregate Growth in an Abundant New Ediacaran Tubular Organism. *Science* **319**: 1660 - 1662.

Dunn, C. W., Hejnal, A., Matus, D. Q., Pang, K., Browne, W. E., Smith, S. A., Seaver, E., **Rouse, G. W.**, Obst, M., Edgecombe, G. D., Sørensen, M. V., Haddock, S. H. D., Schmidt-Rhaesa, A., Okusu, A., Kristensen, R. M., Wheeler, W. C., Martindale, M. Q. and Giribet, G. (2008) Broad phylogenomic sampling improves resolution of the animal tree of life. *Nature* **452**: 745-749.

Eckert, J. (2008). Waterbirds in the heart of the Murray Mallee. *South Australian Ornithologist* **35**: 124-131.

Fairbrother, L., Shaoter, J., Brugger, J., Southam, G., **Pring, A.**, and Reith, F. (2009). Effects of the cyanide-producing bacterium *chromobacterium violaceum* on ultraflat gold surfaces. *Chemical Geology* **265**: 313-320.

Gardner, M. G., **Donnellan, S. C.**, **Hutchinson, M. N.**, **Foster, R.** and Hugall, A. F. (2008). Molecular systematics of social skinks: phylogeny and taxonomy of the *Egernia* group (Reptilia: Scincidae). *Zoological Journal of the Linnean Society* **154**: 781-794.

Gassmann, D. and **Richards, S. J.** (2008). Description of *Idiocnemis patriciae* spec. nov. from Papua New Guinea (Odonata: Platycnemididae), with new distributional records of other *Idiocnemis* species. *Zoologische Mededelingen Leiden* **82**: 581-593.

Gershwin, L. (2008). *Morbakka fenneri*, a new genus and species of Irukandji jellyfish (Cnidaria: Cubozoa). *Memoirs of the Queensland Museum -- Nature* **54** (1): 23-33.

Gershwin, L. and Dabinett, K. (2009). Comparison of eight types of protective clothing against Irukandji jellyfish stings. *Journal of Coastal Research* **25** (1): 117-130.

Gershwin, L. and Dawes, P. (2008). Preliminary observations on the response of *Chironex fleckeri* (Cnidaria: Cubozoa: Chirodropida) to different colors of light. *Biological Bulletin* **215**: 57-62.

Gershwin, L. and Gibbons, M. J. (2009). *Carybdea branchi*, sp. nov., a new box jellyfish (Cnidaria: Cubozoa) from South Africa. *Zootaxa* **2088**: 41-50.

Gershwin, L. and Zeidler, W. (2008). *Cladonema timmsii*, a new species of hydromedusae from a salt lake in South Australia. *Zootaxa* **1826**: 59-68.

Gill, P. C., **Kemper, C. M.**, Talbot, M. and Lyons, S. A. (2008). Large group of pygmy right whales seen in a shelf upwelling region off Victoria, Australia. *Marine Mammal Science* **24** (4): 962-968.

- Gillespie, R., Fifield, L. K., Levchenko, V. and **Wells, R.** (2008). New ^{14}C ages on cellulose from *Diprotodon* gut contents: explorations in oxidation chemistry and combustion. *Radiocarbon* **50** (1): 75–81.
- Glennon, V.**, Perkins, E. M., **Chisholm, L. A.** and **Whittington, I. D.** (2008). Comparative phylogeography reveals host generalists, specialists and cryptic diversity: hexabothriid, microbothriid and monocotylid monogeneans from rhinobatid rays in southern Australia. *International Journal for Parasitology* **38**: 1599-1612.
- Greenslade, P.**, Melbourne, B. A., Davies, K. F. and **Stevens, M. I.** (2008). The status of two exotic terrestrial Crustacea on subantarctic Macquarie Island. *Polar Record* **44**: 15-23.
- Greenslade, P.** (2008). Climate variability, biological control and an insect pest outbreak on Australia's Coral Sea islets: lessons for invertebrate conservation. *Journal of Insect Conservation* **12**: 333-342.
- Greenslade, P.** (2008). Correction to the identification of a pioneer species of Collembola found on Anak Krakatau in 1931. *Zootaxa* **1846**: 59-60.
- Greenslade, P.** (2008). Invertebrate diversity of temperate rainforests in Tasmania with a focus on Pauropoda. *Memoirs of the Museum of Victoria* **65**: 153-164.
- Grundler, P.**, **Brugger, J.**, Meisser, N., Ansermet, S., Borg, S., **Etschmann, B.**, **Testemale, D.** and Bolin, T. (2008). Xocolatlite, $\text{Ca}_2\text{Mn}_4+2\text{Te}_2\text{O}_{12}\cdot\text{H}_2\text{O}$, a new tellurate related to kuranakhite: description and measurement of Te oxidation state by XANES spectroscopy. *American Mineralogist* **93**: 1911-1920.
- Grun, R., **Wells, R.**, Eggins, S., Spooner, N., Aubert, M., Brown, L. and Rhodes, E. (2008). Electron spin resonance dating of South Australian megafauna sites. *Australian Journal of Earth Sciences* **55**: 917- 935.
- Guzik, M. T., Abrams, K. M., **Cooper, S. J. B.**, Humphreys, W. F., Cho, J-L., and Austin, A. D. (2008). Phylogeography of the ancient Parabathynellidae (Crustacea: Bathynellacea) from the Yilgarn region of Western Australia. *Invertebrate Systematics* **22**: 205-216.
- Guzinski, J., **Saint, K. M.**, Gardner, M. G., **Donnellan, S. C.** and Bull C.M. (2008). Development of microsatellite markers and analysis of their inheritance in the Australian reptile tick, *Bothriocroton hydrosauri*. *Molecular Ecology Resources* **8**: 443-445.
- Haig, J. and **Rouse, G. W.** (2008). Larval development of the featherstar *Aporometra wilsoni* (Echinodermata: Crinoidea). *Invertebrate Biology* **127**: 460-469.
- Halt, M. N., Kupriyanova, E. K., Cooper, S. J. B. and **Rouse, G. W.** (2009). Naming species with no morphological indicators: species status of *Galeolaria caespitosa* (Annelida, Serpulidae) inferred from nuclear and mitochondrial gene sequences and morphology. *Invertebrate Systematics* **23**: 205-222.

Hayat, R., Ghahari, H., **Lavigne, R. J.** and Ostovan, H. (2008). Iranian Asilidae (Insecta: Diptera). *Turkish Journal of Zoology* **32**: 175-195.

Hendrich, L. and **Watts, C. H. S.** (2009). Taxonomic revision of the Australia predaceous water beetle genus *Carabhydrus* Watts, 1978 (Col. Dytiscidae, Hydroporinae, Hydroporini). *Zootaxa* **20048**: 1-30.

Hill, R. S., Lewis, T., Carpenter, R. J. and Whang, S. S. (2008). *Agathis* (Araucariaceae) macrofossils from Cainozoic sediments in south-eastern Australia. *Australian Systematic Botany* **21**: 162-177.

Humphreys, W. F., **Watts, C. H. S.**, **Cooper, S. J. B.**, **Leijs, R.** and Bradbury J. H. (2009). Groundwater estuaries of saltlakes: buried pools of endemic biodiversity on the western plateau, Australia. *Hydrobiologia* **626**: 79-95.

Hutchinson, M. N. and Scanlon, J. D. (2009). A new and unusual Plio-Pleistocene lizard (Reptilia: Scincidae) from Wellington Caves, New South Wales, Australia. *Journal of Herpetology* **43**: 139-147.

Hutchinson, M. N. (2008). Nomenclature of the scincid lizards belonging to eastern Australian populations formerly assigned to *Lerista muelleri* (Fischer, 1881). *Herpetofauna* **38**: 39-40.

Hutchinson, M., **Adams, M.** and Ehmann, H. (2008). *Aprasia aurita* (Squamata, Pygopodidae), an addition to the lizard fauna of South Australia. *Herpetofauna* **37**: 98-103.

Jackway, R. J., Bowie, J. H., Bilusich, D., Musgrave, I. F., Surinya-Johnson, K. H., **Tyler, M. J.** and Eichinger, P. C. H. (2008). The fallaxidin peptides from the skin secretion of the Eastern Dwarf Tree Frog *Litoria fallax*. Sequence determination by positive and negative ion electrospray mass spectrometry: antimicrobial activity and cDNA cloning of the fallaxidins. *Rapid Commun. Mass Spectrom.* **22**: 3207-3216.

Jackway, R. J., Maselli, V. M., Musgrave, I. F., Maclean, M. J., **Tyler, M. J.** and Bowie, J. H. (2009). Skin peptides from anurans of the *Litoria rubella* group: sequence determination using electrospray mass spectrometry. Opioid activity of two major peptides. *Rapid Commun. Mass Spectrom.* **23**: 1189-1195.

Jones, P. (2008). The Muslim cameleers. Pioneers of the inland. *Australian Heritage* **2008 (Summer)**: 58-63.

Jones, P. (2009). Boomerang. Behind an Australian icon. *Australian Heritage* **2009 (Winter)**: 10-13.

Kawakami, T., Butlin, R. K., **Adams, M.**, Paull, D. J. and **Cooper, S. J. B.** (2009). Genetic analysis of a chromosomal hybrid zone in the Australian morabine grasshoppers (*Vandiemena*, *viatica* species group). *Evolution* **63**: 139-152 & Published on-line.

Kear, B. P., Rich, T. H., Ali, M. A., Al-Mufarrih, Y. A., Matiri, A. H., Masary, A. M. and Yousry, A. (2008). Late Cretaceous (Campanian-Maastrichtian) marine reptiles from the Adaffa Formation, NW Saudi Arabia. *Geological Magazine* **145** (5): 648-654.

Kemper, C., Coughran, D., Warneke, R., Pirzl, R., Watson, M., Gales, R., and **Gibbs, S.** (2008). Southern right whale (*Eubalaena australis*) mortalities and human interactions in Australia, 1950–2006. *Journal of Cetacean Research and Management* **10** (1): 1–8.

Kupriyanova, E. K., Bastida-Zavala, R., Halt, M. N., **Lee, M. S. Y.** and **Rouse, G. W.** (2008). Phylogeny of the *Serpula-Crucigera-Hydroides* clade (Serpulidae, Annelida) using molecular and morphological data: implications for operculum evolution. *Invertebrate Systematics* **22**: 425-437.

Lancaster, M., **Cooper, S. J. B.**, Carthew, S. and Taylor, A. (2009). Microsatellite markers for the Common ringtail possum (*Pseudocheirus peregrinus*) and their amplification in other Pseudocheirids. *Molecular Ecology Resources*; Published Online: Jun 10 2009.

Lavery, P. J., **Kemper, C. M.**, Sanderson, K., Schultz, C. G., Coyle, P., Mitchell, J. G. and Seuront, L. (2009). Heavy metal toxicity of kidney and bone tissues in South Australian adult bottlenose dolphins (*Tursiops aduncus*). *Marine Environmental Research* **67**: 1-7.

Lavigne, R. J. and Pogue, M. G. (2009). Ethology of *Omninablautus nigronotum* (Wilcox) (Diptera: Asilidae) in Wyoming. *Proceedings of the Entomological Society of Washington* **111** (1): 1-6.

Lavigne, R. J. and Young, A. (2009). A new species of *Blepharotes* (Insecta: Diptera: Asilidae: Apocleinae) from Kangaroo Island with notes on its behaviour. *The South Australian Naturalist* **83**(1): 10-17.

Lavigne, R. J. and Young, A. (2008). Behavioural notes and distribution of *Neoaratus hercules* (Wiedemann, 1828) (Insecta, Diptera, Asilidae) in South Australia. *The South Australian Naturalist* **82**(2): 66-72.

Lavigne, R. J. and Young, A. (2008). Distribution and behaviour of *Cerdistus margitis* (Insecta, Diptera, Asilidae) in South Australia. *The South Australian Naturalist* **82**(1): 18-22.

Lee, M. S. Y. (2009). Hidden support from unpromising datasets strongly units snakes and anguimorph lizards. *Journal of Evolutionary Biology* **22**: 1308-1316.

Lee, M. S. Y., **Oliver, P.** and **Hutchinson, M. N.** (2008). Phylogenetic uncertainty and molecular clock calibrations: A case study of legless lizards (Pygopodidae, Gekkota) *Molecular Phylogenetics and Evolution* **50**: 661-666.

Lee, M. S. Y. and **Skinner, A.** (2008). Hierarchy and clade definitions in phylogenetic taxonomy. *Organisms, Diversity and Evolution* **8**: 17-20.

- Leys, R., Roudnew, B., Mitchell, J.G. and Humphreys, W. F.** (2009). A new method for sampling stygofauna from groundwater fed marshlands. *Speleobiology Notes* **1**: 12-13.
- Leys, R. and Watts, C. H. S.** (2008). Systematics and evolution of the Australian subterranean Hydroporine diving beetles (*Dytiscidae*), with notes on *Carabhydrus*. *Invertebrate Systematics* **22**: 217-225.
- Leys, R. and Hogendoorn, K.** (2008). Correlated evolution of mating behaviour and morphology in large carpenter bees (*Xylocopa*). *Apidologie* **39**: 119-132.
- Liu, W., Brugger, J., Etschmann, B., Testemale, D. and Hazemann, J. L.** (2008). The solubility of nantokite (CuCl(s)) and Cu speciation in low density fluids near the critical isochore: an in-situ XAS study. *Geochim. Cosmochim. Acta*. **72**: 4094-4106.
- Lowry, J. K. and Zeidler, W.** (2008). *Thurstonella*, replacement name for the Antarctic amphipod genus *Clarencia* K.H. Barnard, 1931 (Crustacea, Amphipoda, Thurstonellidae), preoccupied by *Clarencia* Sloane, 1917 (Insecta, Coleoptera, Carabidae). *Zootaxa* **1840**: 67-68.
- Makepeace, J., Lenehan, C. E., Quinton, J. S. and Pring, A.** (2008). Captain Bligh and the black sands of mutiny. *Chemistry in Australia*, **75** (7): 7-11.
- McDowell, M. C. and Medlin, G. C.** (2009). Mammal remains, including the White-footed Rabbit-rat *Conilurus albipes*, from the Fleurieu Peninsula, South Australia. *The South Australian Naturalist* **83** (1): 26-28.
- McDowell, M.C. and Medlin, G.C.** (2009). The effects of drought on prey selection of the barn owl (*Tyto alba*) in the Strzelecki Regional reserve, north-eastern South Australia. *Australian Mammalogy* **31**: 47-55.
- McGaughran, A., Hogg, I. D. and Stevens, M. I.** (2008). Patterns of population genetic structure for springtails and mites in southern Victoria Land, Antarctica. *Molecular Phylogenetics and Evolution* **46**: 606-618.
- McGaughran, A., Redding, G. P., Stevens, M. I. and Convey, P.** (2009). Temporal metabolic rate variation in a continental Antarctic springtail. *Journal of Insect Physiology* **55**: 130-135.
- Medlin, G. C.** (2008). Subfossil remains from caves on Boolcoommatta Reserve, north-eastern South Australia. *The South Australian Naturalist* **82** (1): 26-29.
- Medlin, G. C.** (2009). Anabat survey of sites on Boolcoommatta Reserve, north-eastern pastoral zone, South Australia. *The South Australian Naturalist* **83** (1): 31-32.
- Medlin, G. C.** (2009). List of books originally from the library of Edward Charles Stirling, held by the FNSSA and passed on to the South Australian Museum library. *The South Australian Naturalist* **83** (1): 6-9.

Menzies, J. I., **Richards, S. J.** and **Tyler, M. J.** (2008). Systematics of the Australo-Papuan tree frogs known as *Litoria bicolor* (Anura: Hylidae) in the Papuan Region. *Australian Journal of Zoology* **56**: 257-280.

Michel, C., Hicks, B. J., Stölting, K. N., Clarke, A. C., **Stevens, M. I.**, Tana, R., Meyer, A. and van den Heuvel, M. R. (2008). Distinct migratory and landlocked ecotypes in a New Zealand eleotrid (*Gobiomorphus cotidianus*) – implications for incipient speciation and the origin of island freshwater fish species. *BMC Evolutionary Biology* **8**: 49.

Millar, N. L., Bradley, T. A., Walsh, N. A., Appleyard, R. C., **Tyler, M. J.** and Murrell, G. A. C. (2009). Frog glue enhances rotator cuff repair in a laboratory cadavric model. *J. Shoulder Elbow Surgery* **18**: 639-645.

Minardi, D., Paladini, G., **Whittington, I. D.** and Fioravanti, M.L. (2008). Studio tassonomico di monogenei Capsalidae, parassiti di teleostei ed elasmobranchi in cattività. *Ittiopatologia* **5**: 171-178.

Mooney, A. J., Ernst, I. and **Whittington, I.D.** (2008). Egg-laying patterns and *in vivo* egg production in the monogenean parasites *Heteraxine heterocerca* and *Enedenia seriolae* from Japanese yellowtail *Seriola quinqueradiata*. *Parasitology* **135**: 1295-1302.

Oliver, P., Tjaturadi, B., Mumpuni, Krey, K. and **Richards, S. J.** (2008). A new species of large *Cyrtodactylus* (Squamata: Gekkonidae) from Melanesia. *Zootaxa* **1894**: 59-68.

Oliver, P., Adams, M., Lee, M. S. Y., **Hutchinson, M. N.** and Doughty, P. (2009). Cryptic diversity in vertebrates: molecular data double estimates of species diversity in a radiation of Australian lizards (*Diplodactylus*, Gekkota). *Proceedings of the Royal Society B* **276**: 2001-2007.

Osborn, K. J. and **Rouse, G. W.** (2008). Multiple origins of pelagicism within Flabelligeridae (Annelida). *Molecular Phylogenetics and Evolution* **49**: 386-392.

Owen, C. L., Messing, C. G., **Rouse, G. W.** and Shivji, M. S. (2009). Using a combined approach to explain the morphological and ecological diversity in *Phanogenia gracilis* Hartlaub, 1893 (Echinodermata: Crinoidea) sensu lato: two species or intraspecific variation? *Marine Biology* **156**: 1517-1529.

Patel, V. S., **Cooper, S. J. B.**, Deakin, J. E., Fulton, B., Graves, T., Warren, W. C., Wilson, R. K. and Graves, J. A. M. (2008). Platypus globin genes and flanking markers suggest a new insertional model for β -globin evolution in birds and mammals. *BMC Biology* **6**: 34.

Paull, R. and **Hill, R. S.** (2009). *Libocedrus* macrofossils from Tasmania (Australia). *International Journal of Plant Science* **170**: 381-399.

Pleijel, F., Dahlgren, T., **Rouse, G. W.** (2009). Progress in science: from Siboglinidae to Pogonophora and Vestimentifera and back to Siboglinidae. *Comptes rendus-Biologies* **332**: 140-148.

Pleijel, F., **Rouse, G. W.** and Nygren, A., (2009). Five colour morphs and three new species of Gyptis (Hesionidae, Annelida) under a jetty in Edithburgh, South Australia. *Zoologica Scripta* **38**: 89-99.

Prideaux, G. J., Ayliffe, L. K., DeSantis, L. R. G., Schubert, B. W., Murray, P. F., Gagan, M. K., Cerling, T. E. (2009). Extinction implications of a chenopod browse diet for a giant Pleistocene kangaroo. *Proceedings of the National Academy of Science USA* **106**: 11646-11650.

Prideaux, G. J. and Warburton, N. M. (2009). *Bohra nullarbora* sp. nov., a second tree-kangaroo (Marsupialia: Macropodidae) from the Pleistocene of the Nullarbor Plain, Western Australia. *Records of the Western Australian Museum* **25**: 165-178.

Prideaux, G. J. and Warburton, N. M. (2008). A new Pleistocene tree-kangaroo (Diprotodontia: Macropodidae) from the Nullarbor Plain of south-central Australia. *Journal of Vertebrate Paleontology* **28**: 463-478.

Rawlings, L. H., Rabosky, D. L., **Donnellan, S. C.** and **Hutchinson, M. N.** (2008). Python phylogenetics: inference from morphology and mitochondrial DNA. *Biological Journal of the Linnaean Society* **93**: 603-619.

Robinson, A. C., Armstrong, D. M., Canty, P. D., Hopton, D., **Medlin, G. C.**, and **Shaughnessy, P. D.** (2008). Investigator Group expedition 2006: vertebrate fauna. *Transactions of the Royal Society of South Australia* **132**: 221-242.

Rose, A. (2008). Internships Abroad: Taking the Initiative. *Australasian Registrars Committee Journal arc-journal* **56**: 14-17.

Rouse, G. W., Wilson, N. G., Johnson, S. B., Goffredi, S. K., Smart, T., Widmer, C., Young, C. M. and Vrijenhoek, R. C. (2009). Spawning and development in *Osedax* boneworms. *Marine Biology* **156**: 395-405.

Rouse, G. W., Worsaae, K., Johnson, S. B., Jones, W. J. and Vrijenhoek, R. C. (2008). Acquisition of dwarf male 'harems' by recently settled females of *Osedax roseus* n. sp. (Siboglinidae; Annelida). *Biological Bulletin* **214**: 67-82.

Rousset, V., Plaisance, L., Erseus, C., Siddall, M. E. and **Rouse, G. W.** (2008). Evolution of habitat preference in Clitellata (Annelida). *Biological Journal of the Linnean Society* **95**: 447-464.

Sanders, K. L., **Lee M. S. Y.** (2008). Molecular evidence for a rapid late-Miocene radiation of Australasian venomous snakes (Elapidae, Colubroidea). *Molecular Phylogenetics and Evolution* **46**: 1165-1173.

Sanders, K. L., **Lee, M. S. Y.**, **Leys, R.**, Foster, R. and Keogh, J. S. (2008). Molecular phylogeny and divergence dates for Australasian elapids and sea snakes

(hydrophiinae): evidence from seven genes for rapid evolutionary radiations. *J. Evol. Biol.* **21**: 682-695.

Searle, J. B., Jamieson, P. M., Gündüz, I., **Stevens, M. I.**, Jones, E. P., Gemmill, C. E. C., King, C. M. (2009). The diverse origins of New Zealand house mice. *Proceedings of the Royal Society B* **276**: 209-217.

Shamsi, S., Gasser, R. G, **Beveridge, I.** and Shabani, A. (2008). *Contracaecum pyripapillatum* n.sp. (Nematoda: Anisakidae) and a description of *C. multipapillatum* (von Drasche, 1882) from the Australian pelican, *Pelecanus conspicillatus*. *Parasitology Research* **103**: 1031-1039.

Skinner, A., Lee, M. S. Y., and Hutchinson, M. N. (2008). Rapid and repeated limb reduction in a clade of scincid lizards *Lerista*. *BMC Evolutionary Biology* **8**: 310-318.

Smales, L. R. and Spratt, D. M. (2008). Helminth assemblages of *Uromys* spp. (Muridae: Hydromyinae) from Australia, Papua New Guinea and Papua Indonesia and comparison with assemblages in *Melomys* spp. *Australian Journal of Zoology* **56**: 85-94.

Smales, L. R. (2009). Helminths of *Melomys rufescens* and *Melomys* spp. (Muridae: Hydromyinae) from Papua New Guinea with the descriptions of a new genus and five new species in the Heligmonellidae (Nematoda: Trichostrongyloidea). *Raffles Journal of Zoology* **57**: 5-15.

Smales, L. R., Harris, P. D. and Behnke, J. M. (2009). A redescription of *Protospirura muricola* Geddoelst, 1916 (Nematoda: Spirurida), a parasite of murid rodents. *Systematic Parasitology* **72**: 15-26.

Sorokin, S. J., **Laperousaz, T. C. D.** and Collings, G. J. (2008) Investigator Group Expedition 2006: Sponges (Porifera). *Transaction of the Royal Society of South Australia* **132** (2): 163-172.

Stevens, M. I. and Hicks, B. J. (2009). Mitochondrial DNA reveals monophyly of New Zealand's *Gobiomorphus* (Teleostei: Eleotridae) among a morphological complex. *Evolutionary Ecology Research* **11**: 109-123.

Szomor, Z. L., Murrell, G. A. C., Appleyard, R. C. and **Tyler, M. J.** (2008). Meniscal repair with a new biological glue: an *ex vivo* study. *Techniques in Knee Surgery* **7** (4): 261-265.

Thébaud, N., Philippot, P., Rey, P., **Brugger, J.**, Van Kranendonk, M. and Grassineau, N. (2008). Polyphased fluid-rock interaction in the mid-Archaeon and implication of gold pre-concentration: Example from the Warrawoona Syncline (WA). *Earth and Planetary Science Letters* **272**: 639-655.

Tooth, B. A., Brugger, J., Ciobanu, C. and Liu, W. (2008). Modeling of gold scavenging by bismuth melts coexisting with hydrothermal fluids. *Geology* **36**: 815-818.

Vaughan, D. and **Chisholm, L. A.** (2009). Three *Dendromonocotyle* species (Monogenea: Monocotylidae) reported from captive rays, including *D. lotteri* sp. n. from *Himantura gerrardi* (Elasmobranchii: Dasyatidae) in the public aquarium at the Atlantis resort, Dubai. *Folia Parasitologica* **56**: 99-106.

Vaughan, D., **Chisholm, L. A.** and Christison, K. (2008). Overview of South African *Dendromonocotyle* (Monogenea: Monocotylidae), with descriptions of 2 new species from stingrays (Dasyatidae) kept in public aquaria. *Zootaxa* **1826**: 26-44.

Vrijenhoek, R. C., Johnson, S.B. and **Rouse, G. W.** (2008). Bone-eating *Osedax* females and their 'harems' of dwarf males are recruited from a common larval pool. *Molecular Ecology* **17**: 4535-4544.

Walshe, K. (2008). Investigator Isles Expedition 2006: Two stone implements from Flinders Island, South Australia. *Transactions of the Royal Society of South Australia* **132**(2): 45-50.

Walshe, K. (2008). Pointing bones and bone points in the Australian Aboriginal Collection of the South Australian Museum. *Journal of the Anthropology Society of South Australia* **33**: 167-203.

Watts, C. H. S. and **Leys, R.** (2008). Review of the epigeal species of *Paroster* SHARP, 1882, with descriptions of three new species, and phylogeny based on DNA sequence data of two mitochondrial genes (Coleoptera: Dytiscidae: Hydroporinae) *Koleopterologische Rundschau* **78**: 9-36.

Watts, C. H. S. and Humphreys, W. F. (2009). Fourteen new Dytiscidae (Coleoptera) of the genera *Limbodessus* Guignot, *Paroster* Sharp and *Exocelina* Broun from underground water in Australia. *Transactions of the Royal Society of South Australia* **133**: 62-107.

Watts, C. H. S. (2009). Revision of *Heterocyphon* Armstrong, *Peneveronatus* Armstrong and *Accolabass* Gen Nov. (Scirtidae: Coleoptera) *Transactions of the Royal Society of South Australia* **133**: 108-149.

Watts, C. H. S., Hancock, P. J. and **Leys, R.** (2008). *Paroster peelensis* sp. nov.: a new stygobitic water beetle from alluvial gravels in Northern New South Wales' (Coleoptera: Dytiscidae). *Australian Journal of Entomology* **47**: 227-231.

Whittington, I. D. and Kearn, G. C. (2008). *Trimusculotrema heronensis* sp. nov. (Monogenea: Capsalidae) from the skin of the pink whipray *Himantura fai* (Elasmobranchii: Dasyatidae) from Heron Island, Queensland, Australia. *Acta Parasitologica* **53**: 251-257.

Whittington, I. D. and Kearn, G. C. (2009). Two new species of entobdelline skin parasites (Monogenea, Capsalidae) from the blotched fantail ray, *Taeniura meyeni*, in the Pacific Ocean, with comments on spermatophores and the male copulatory apparatus. *Acta Parasitologica* **54**: 12-21.

Whittington, I. D. and **Kearn, G. C.** (2009). Two new species of *Neoentobdella* (Monogenea, Capsalidae, Entobdellinae) from the skin of Australian stingrays (Dasyatidae). *Folia Parasitologica* **56**: 29-35.

Wilson, N. G., **Huang, D.**, **Goldstein, M. C.**, **Cha, H.**, **Giribet, G.** and **Rouse, G. W.** (2009). Field collection of *Laevipilina hyalina* (McLean, 1979) from southern California, the most accessible living monoplacophoran. *Molluscan Research* **75**: 195-197.

Worsaae, K. and **Rouse, G. W.** (2008). Is *Diurodrilus* an annelid? *Journal of Morphology* **269**: 1426-1455.

Worthy, T. and **Lee, M. S. Y.** (2008). Affinities of Miocene waterfowl (Anatidae: Manuherikia, Dunstanetta and Miotadorna) from the St Bathans Fauna, New Zealand. *Palaeontology* **51**: 677-708.

Xia, F., **Zhuo, J.**, **Pring, A.**, **Ngothai, Y.**, **O'Neill, B.**, **Brugger, J.**, **Chen, G.** and **Colby, C.** (2007). The role of pyrrhotite (Fe₇S₈) and sample texture in the hydrothermal transformation of pentlandite ((Fe,Ni)₉S₈) to violarite ((Ni,Fe)₃S₄). *Reaction Kinetics and Catalysis letters* **92**: 257-266.

Xia, F., **Brugger, J.**, **Ngothai, Y.**, **O'Neill, B.**, **Chen, G.**, **Putnis, A.** and **Pring, A.**, (2009). Mechanism and kinetics of pseudomorphic minerals replacement reactions: A case study of the replacement of pentlandite and violarite. *Geochimica et Cosmochimica Acta* **73**: 1945-1969.

Zeidler, W. (2009). A review of the hyperidean amphipod superfamily Lanceoloidea Bowman & Gruner, 1973 (Crustacea: Amphipoda: Hyperiidea). *Zootaxa* **2000**: 1-117.

Zhu, M., **Gehling, J. G.**, **Xiao, S.**, **Zhao, Y.** and **Droser, M. L.** (2008). Eight-armed Ediacara fossil preserved in contrasting taphonomic windows from China and Australia. *Geology* **36**: 867-870.

3.4 Other publications (book reviews, conference proceedings, etc.)

Abrams, K., **Guzik, M.**, **Cooper, S** and **Austin, A.D.** (2008). Molecular phylogeography and phylogenetics of the Parabathynellidae (Crustacea: Bathynellacea) of the Yilgarn region, Western Australia. 19th International Symposium of Subterranean Biology, Fremantle, Western Australia.

Bertozzi, T. and **Hammer, M. P.** (2009). Diversity and distribution of gobies in South Australia: the identification of exotic, endemic and translocated species. Final report to Department of Environment and Heritage, Wildlife Conservation Fund Project No. **0258**.

Borg, S., **Liu, W.**, **Testemale, D.** and **Brugger, J.** (2008). XAS studies of the geometric transitions of Co(II) species in chloride brines from 25°C to 150°C. Goldschmidt 2008 Conference, Vancouver, Canada.

Bradford, T., **Adams, M.**, Humphreys, W., **Austin, A.D.** and **Cooper, S.** (2008). Comparative mtDNA phylogeography of subterranean amphipod (Chiltoniidae) species from a single Yilgarn calcrete aquifer. 19th International Symposium of Subterranean Biology, Fremantle, Western Australia. 19th International Symposium of Subterranean Biology, Fremantle, Western Australia.

Clarke, P. (2009). The future of Australian ethnobotany and its benefits for Aboriginal people. Anthropology conference, Northern Land Council, Darwin, Northern Territory.

Cooper, S. J. B., Guzik, M., **Saint, K.**, **Austin, A. D.** and Humphreys, W. (2008). Comparative phylogeography of crustacean stygofauna from calcrete aquifers of central Western Australia: are they climate relicts? 19th International Symposium of Subterranean Biology, Fremantle, Western Australia.

Cooper, S. J. B., Guzik, M., **Saint, K.**, **Austin, A. D.** and Humphreys, W. (2009). Comparative phylogeography of crustacean stygofauna from calcrete aquifers of central Western Australia: are they climate relicts? Oral presentation at Adelaide Conference on Mathematical and Evolutionary Biology, Pt Elliot.

Craig, B. (2008). Review of *The mummy's curse: Mummymania in the English-speaking world*, by Jasmine Day. Routledge, London and New York, 2006. *Anthropological Forum* **18** (2): 181-3.

Davies, K., Melbourne, B. and **Greenslade, P.** (2008). Impacts of the feral house mouse (*Mus musculus*) on spiders on subantarctic Macquarie Island.

Dillon, P., Kumar, A., Kookana, R., **Leys, R.**, Reed, D., Parsons, S. and Ingerson, G. (2008). Managed Aquifer Recharge - Risks to Groundwater Dependent Ecosystems - A Review. Water for a Healthy Country Flagship. Report to Land and Water Australia, December 2008.

Donnellan, S., **Bertozi, T.** and Reuter, E. (2008). Mitochondrial phylogeography of Australia's most widespread terrestrial mammal. 2008 Boden Research Conference – Beyond the Platypus Genome. Victor Harbour, South Australia.

Gehling, J., **Kear, B.**, **Miller, S.**, **Pledge, N.**, **Read, E.** and **Wells, R.** (2009). *Fossil Hunters*. Booklet of essays published by SA Museum.

Gehling, J. G. (2008). Ediacarans on the Edge: Environmental Controls on Diversity of the Ediacara biota. Geological Society of Australia, Extended Abstracts **91**: 13-16. Selwyn Symposium, University of Melbourne.

Gehling, J. G. (2008). Neoproterozoic correlations – placing the acritarch record in context. Swedish Workshop on Ediacaran Acritarch Taxonomy. Uppsala, Sweden.

Gehling, J. G. and Droser, M. L. (2008). Mat communities of the Ediacara biota in South Australia. 33rd International Geological Congress, Abstract HPF07405L, Oslo.

- Gehling, J. G.**, and Droser, M. L. (2008). Toward Ediacaran subdivision and correlation: problems and possibilities. 33rd International Geological Congress, Abstract HPs09707L, Oslo.
- Gehling, J. G.** and **Jago, J. B.** (2008). Ediacaran and Cambrian fossil research at South Australian Museum: Nilpena, Flinders Ranges and Emu Bay, Kangaroo Island. Geological Society of Australia.
- Glennon, V. and **Whittington, I.** (2009). Class Monogenea. Checklist for Australian Faunal Directory. Australian Biological Resources Study, Department of the Environment & Heritage, Canberra. Electronic publication of a faunal list.
- Goldsworthy, S. D., Page, B., Lowther, A., Rogers, P., Peters, K. and **Shaughnessy, P. D.** (2009). Pup production assessment of the Australian sea lion *Neophoca cinerea* at Dangerous Reef and English Island, South Australia. Report to Department for Environment and Heritage Wildlife Conservation Fund. South Australian Research and Development Institute (Aquatic Sciences), Adelaide. SARDI Publication Number F2009/000088-1, SARDI Research Report Series No. 338.
- Goldsworthy, S. D., **Shaughnessy, P. D.**, McIntosh, R. R., Kennedy, C., Simpson, J., and Page, B. (2008). Australian sea lion populations at Seal Bay and the Seal Slide (Kangaroo Island): continuation of the monitoring program. Report to Department for Environment and Heritage, Wildlife Conservation Fund Project No. 3723. SARDI Aquatic Sciences Publication Number 000645-1. SARDI Research Report Series No. **293**: 42.
- Goldsworthy, S. D., **Shaughnessy, P. D.**, Page, B., Lowther, A., and Bradshaw, C. J. A. (2008). Developing population monitoring protocols for Australian sea lions: enhancing large and small colony survey methodology. Final Report to the Australian Centre for Applied Marine Mammal Science (ACAMMS), Department of the Environment, Water, Heritage and Arts. SARDI Aquatic Sciences Publication Number F2008/000663-1. SARDI Research Report Series No. **297**: 44.
- Greenslade, P.** and Farrow, R. (2008). Coringa-Herald National Nature Reserve - Identification of invertebrates collected on the 2007 invertebrate survey for The Department of the Environment, Water, Heritage and the Arts, June 2008. <http://www.environment.gov.au/coasts/mpa/publications/coringa-herald-terrestrial-invertebrate-survey.html>
- Grundler, P. V.** and **Brugger, J.** (2008). Spectroscopic Investigation of Tellurium in Chloride Brines. Goldschmidt 2008 Conference, Vancouver, Canada.
- Guzik, M., **Cooper, S.**, Humphreys, W. and **Austin, A.D.** (2008) Identifying potential mechanisms of speciation in Australian stygofauna. 19th International Symposium of Subterranean Biology, Fremantle, Western Australia. 19th International Symposium of Subterranean Biology, Fremantle, Western Australia.
- Hill, R. S.** (2008). History of Palaeobotany: selected essays. *The Australian Geologist* **147**: 33.

Hill, R. S. (2008). Long term climate change and plant evolution in Australia. In: Programme & Abstracts, ASBS 2008 National Conference, pp 25.

Hutchinson, M. N., Lee, M. S. Y., Worthy, T. H., Archer, M., Tennyson, A. J. D., Worthy, J. P. and Scofield, R. P. (2009). Miocene skinks and geckos from St Bathans, New Zealand's lizard fauna. Second Meeting of Australasian Societies for Herpetology, Auckland, New Zealand.

Hutson, K. S., Whittington, I. D., Gillanders, B. M., Rowntree, J. E., Ernst, I., Chambers, C. B. and Johnston, C. (2008). Potential for parasite interactions between wild and farmed kingfish, discrimination of farmed and wild fish and assessment of migratory behaviour. Final Report to the Fisheries Research and Development Corporation (FRDC; Project No. 2003/220). The University of Adelaide, Adelaide. 83 pp. ISBN 978-0-86396-900-3.

Hutson, K. S. and Whittington, I. D. (2008). Potentially pathogenic parasites for finfish sea-cage aquaculture. The Annual Scientific Meeting of the Australian Society for Parasitology Inc. and the Australian National Network for Parasitology Annual Conference, Stamford Grand, Glenelg, South Australia.

Hutson, K. S. and Whittington, I. D. (2008). Potentially pathogenic parasites for finfish sea-cage aquaculture. Australian Society for Fish Biology, Bondi Beach, New South Wales.

Jones, P. (2009). Review of *Possession. Batman's treaty and the matter of history*, by Bain Attwood. The Miegunyah Press, Melbourne, 2009. *The Australian*, 27-28 June 2009, pp14.

Justine, J.-L., Beveridge, I., Boxshall, G. A., Bray, R. A., Chauvet, C., Euzet, L., Moravec, F., Trilles, J.-P. and Whittington, I. D. (2008). Parasites of groupers (Serranidae, Epinephelinae) off New Caledonia, South Pacific. The 10th European Multicolloquium of Parasitology (EMOP) 'from satellites to microsatellites', Cité Internationale Universitaire de Paris, Paris, France.

Kawakami, T., Butlin, R. K. and Cooper, S. J. B. (2009). Molecular systematics of chromosomal races of Australian morabine grasshoppers (*Vandiemenella*, *viatica* species group). *Evolution 2009*, American Society of Naturalists, Society for the Study of Evolution and Society of Systematic Biologists Annual Conference, University of Idaho, Idaho.

Lavigne, R. (2008). Reviewed papers for Scholarly Scientific Journals, *Turkish Journal of Zoology* – 2, *Journal of the Entomological Research Society* – 1.

Lee, M. S. Y. (2008). Major Transitions in Vertebrate Evolution (book review). *The Systematist* (Systematics Association Bulletin), Issue 31.

Leys, R. (2008). Does subterranean fauna have altered rates of molecular evolution? Oral presentation at the 19th International Symposium of Subterranean Biology, Fremantle, Western Australia.

Liu, W., Brugger, J., Etschmann, B., Testemale, D. and Hazemann, J.-L. (2008). An XAS study of CuCl solubility and copper speciation in low-density water near the critical isochore. Goldschmidt 2008 Conference, Vancouver, Canada.

Liu, W., Brugger, J., Etschmann, B., Testemale, D. and Hazemann, J.-L. (2008). Concurrent determination of copper solubility and speciation in supercritical low-density water using XAS. Australian Synchrotron Users Meeting, Melbourne, Australia.

Miller, S. (2008). Interpreting Big Ideas. Interpretation Australia Hearts and Minds Conference, Adelaide, October 27-29.

Miller, S. (2009). Science Matters! *SA Mines & Energy Journal* **5**: 41.

Narbonne, G. M., Laflamme, M., Bamforth, E. L., Flude, L. I., and **Gehling, J. G.** (2008). Growth and development of early Ediacarans. 33rd International Geological Congress, Abstract 1342928, Oslo.

Oliver, P., Hutchinson, M. N., Adams, M., Doughty, P. and Lee, M. S. Y. (2009). Cryptic species diversity in an Australian Lizard radiation. *Evolution* 2009. University of Idaho, June 12-16.

Oliver, P., Hutchinson, M. N., Adams, M., Doughty, P. and Lee, M. S. Y. (2009). Severe underestimation of species and phylogenetic diversity in the Australian gecko fauna. Joint Meeting of Ichthyological and Herpetological Societies. Portland, USA. July 22-27.

Perkins, E. M., **Donnellan, S. C., Chisholm, L. A. and Whittington, I. D.** (2008). Looks can deceive: molecular phylogeny for the Capsalidae (Monogenea: Monopisthocotylea) questions value of key morphological characters. The Annual Scientific Meeting of the Australian Society for Parasitology Inc. and the Australian National Network for Parasitology Annual Conference, Stamford Grand, Glenelg, South Australia.

Pledge, N. (2009). On the bone. Article answering a question on Snapper skeletons. The Last Word. *New Scientist* **201 (2699)**: 57.

Pring, A. and Birch, W. D. (2008). Guest Editorial. *Australian Journal of Mineralogy* **13**: 3. Report No. CMP07/004.

Roudnew, B. and **Leys, R.** (2008). Biodiversity of stygofauna and stygomicrobes of aquifers in South Australia in relation to environmental factors. Poster presentation at the 19th International Symposium of Subterranean Biology, Fremantle, Western Australia.

Schlotfeldt, B. E., **Bertozzi, T., Donnellan, S. C. and Kelindorfer, S.** (2008). Adaptive divergence and gene flow in island and mainland populations of the superb fairy-wren (*Malurus cyaneus*) in South Australia. Proceedings of the 55th annual meeting of the Genetics Society of AustralAsia, Adelaide.

Shaughnessy, P. D. (2008). Population assessment of fur seals and sea lions at some colonies in South Australia, 2007-08. Report to Department for Environment and Heritage, South Australia and the South Australian Wildlife Conservation Fund. 43 pp.

Shaughnessy, P.D., McKenzie, J., Goldsworthy, S. and Dennis, T. (2008). A new breeding species for South Australia: the Australian fur seal *Arctocephalus pusillus doriferus* extends its range from Bass Strait. Australian Mammal Society Conference, Darwin.

Shaughnessy, P.D., McKenzie, J., Goldsworthy, S. and Dennis, T. (2008). A tale of three pinnipeds in South Australia: are invading Australian fur seals likely to affect the two resident seal species. Australasian Wildlife Management Society Conference, Fremantle.

Shinn, A. P., Whittington, I. D. and Bron, J. E. (2008). Man, monsters and machines: managing malicious miscreants. The Annual Scientific Meeting of the Australian Society for Parasitology Inc. and the Australian National Network for Parasitology Annual Conference, Stamford Grand, Glenelg, South Australia.

Skinner, A., Hutchinson, M. N., Lee, M. S. Y. (2009). Evolution of limblessness in *Lerista* lizards. Evolution - The Experience. Melbourne, Feb 8-13.

Smith, G. R. (2008). Bill and Mollie Walker. Peripatetic South Australian adventurers, where they went and who they met. Encounters in the Australian bush and with the expatriate community in the United Kingdom. Australian Family Tree Connections, December 2008, pp 12-15.

Stevens, M. (2008). Antarctic Biodiversity: "land insight". Mini-symposium on Antarctic Terrestrial Biodiversity, held at the National Museum of Antarctica "Felice Ippolito", Via del Laterano 8, Siena, Italy,

Sutton, P. (2008). After consensus. *The Griffith Review* **21**: 199-216.

Sutton, P. (2008). Last drinks: correspondence. *Quarterly Essay* **31**: 77-80.

Sutton, P. (2008). Twilight of old radicals. *The Weekend Australian* August 9-10, pp 26.

Sutton, P. (2009). Culture worriers. *The Australian Literary Review* June 3, pp 3-5.

Sutton, P. (2009). Here I Stand. Peter Sutton on Noel Pearson's *Up from the Mission*. Review article. *The Monthly* June 2009, pp 68-71.

Tyler, M. J. (2009). Frogs and Toads as Experimental Animals. ANZCCART Fact Sheet A13. Revised Edition, pp 1-5.

Walshe, K. (2008). Archaeology of the Adelaide Gaol. 17th State History Conference, Sunnybrae Farm, South Australia.

Walshe, K. (2008). Camping out and Celling Up; Archaeology of the Adelaide Gaol. Australian Society for Historic Archaeology Joint Conference, Adelaide.

Walshe, K. (2008). Don't Just Dig It; the status of museum archaeology collections. Australian Society for Historic Archaeology Joint Conference, Adelaide.

3.5 Staff contributions to State, National & International Initiatives

Leslie Chisolm

Editor of the "International Ichthyoparasitology Newsletter" which is published online annually at <http://www.diplectanum.dsl.pipex.com/newsletter/>

Steve Cooper

Member of the organizing committee for the 19th International Symposium of Subterranean Biology, Fremantle, WA. Chair of session on phylogeography and population genetics of subterranean animals.

Co-convenor of a short-range endemics working group meeting in Fremantle, as part of an ARC Environmental Futures Network project.

2009: Joined the Editorial board of the Australian Journal of Zoology.

Mark Hutchinson

Member of the Wildlife Ethics Committee of South Australia.

Chairman, Pygmy Bluetongue Lizard Recovery Team.

Catherine Kemper

Member of Sea World Research and Rescue Foundation (Gold Coast, Queensland).

Member of the Scientific Committee for the Australian Marine Mammal Centre (Australian Antarctic Division, Hobart, Tasmania).

Member of the Scientific Working Group, South Australian Marine Parks planning.

Suzanne Miller

Deputy Chair, Premier's Climate Change Council of South Australia.

Member of the State Strategic Plan Audit Committee.

Member of the National Cultural Heritage Committee.

Accorded the title of Affiliate Professor in the School of Earth & Environmental Sciences, University of Adelaide.

Appointed as a member of the National Research Infrastructure Council.

Appointed as a member of The Geospatial & Environmental Management Advisory Board, UniSA.

Mark Stevens

Co-convenor of Sub-theme 4 [Patterns and diversity in terrestrial system] Xth SCAR Biology symposium held in Sapporo, Japan.

Peter Sutton

Elected a Fellow of the Academy of the Social Sciences in Australia.

Visiting Professor, Department of Linguistics, SOAS London.

Ian Whittington

Member of the Research Working Group of Marine Innovations South Australia (MISA).

Chair of the Local Organising Committee for the *3rd Annual Conference of the Australian Society for Parasitology Inc. and the ARC/NH&MRC Research Network for Parasitology*, held at Glenelg, South Australia, 6-9 July 2008.

Chair of the International Advisory Committee for the *6th International Symposium on Monogenea (ISM6)* held in Cape Town, South Africa.

Member of the Organising Committee for the *12th International Congress of Parasitology (ICOPA XII)* to be held at the Melbourne Convention Centre, Melbourne, Victoria, 15-20 August 2010.

Member of the Program Working Group for the *12th International Congress of Parasitology (ICOPA XII)* to be held at the Melbourne Convention Centre, Melbourne, Victoria, 15-20 August 2010.

4. STAFF LIST 1.7.08 – 30.6.09

DIRECTORATE

DIRECTOR

S. Miller, B Sc (Hons), PhD, FGS, F
Min Soc, FAIMM, FAGS

HEAD OF DEVELOPMENT

S. Riley, B A (Hons)

BUSINESS MANAGER

P. Kidd, Adv Dip Bus Mgt

ADMINISTRATION OFFICER

N. Mladenovic (start April 2009)

IT NETWORK & SYSTEMS MANAGER

P. Carter

HELPDESK OFFICER

R. Hames

OHS&W COORDINATOR

B. Collett

DIRECTOR'S PERSONAL ASSISTANT

V. Gleeson (left June 2009)

EXECUTIVE ASSISTANT TO HEAD OF DEVELOPMENT

D. Veitch

STORES/TRANSPORT OFFICERS

S. Perkins

M. Birch

VENUE FACILITIES COORDINATOR

A. Ferrari

PUBLIC PROGRAMMES

HEAD OF PUBLIC PROGRAMS

M. Judd, B Sc, Grad Dip T

PUBLIC PROGRAMS

COORDINATOR - EXECUTIVE

K. Ross, Dip Bus Mkting

MARKETING SECTION

PUBLICITY AND PROMOTIONS OFFICER

C. Savage, B A (Hons)

PUBLIC PROGRAMS

COORDINATOR – MARKETING

A. Hua, B A (Journalism), M Mkting
(started February 2009)

A. Bonnin, B Int Studies & Media
(started May 2009)

MARKETING ASSISTANTS

J. Smith (left January 2009)

COMMUNITY ENGAGEMENT SECTION

MANAGER, COMMUNITY ENGAGEMENT

L. Underwood, B T, B Edu

S. Morris, Dip T

PUBLIC PROGRAMS

COORDINATOR – COMMUNITY ENGAGEMENT

K. Tucker

INDIGENOUS SERVICES INFORMATION OFFICERS

S. Agius

M. Clancy

SUPERVISOR, DISCOVERY CENTRE

M. Gemmell

**SCHOOL HOLIDAY PROGRAM
ASSISTANTS**

T. Dauginas (left August 2008)

S. Fraser

R. Handrickan

V. Keetch

T. Mallamo

D. Avery (start September 2008)

L. Niemz (start September 2008)

L. Barns (start September 2008)

**SPECIAL EXHIBITIONS
SECTION**

**MANAGER, TEMPORARY AND
TRAVELLING EXHIBITIONS**

T. Gilchrist, B A, Grad Dip Comm
(PR)

PUBLIC PROGRAMS

COORDINATOR – EXHIBITIONS

A. Guy

EDUCATION SECTION

SENIOR EDUCATION OFFICERS

S. Langsford, B Sc, Grad Dip T, Grad
Dip Ed Admin

C. Nobbs, Adv Dip T

SENIOR CULTURAL INSTRUCTOR

B. McKenzie (left December 2009)

**COORDINATOR, EDUCATION
AND CHILDREN'S SERVICES**

C. Ferreira

**DEVELOPMENT & DESIGN
SECTION**

**MANAGER, DEVELOPMENT &
DESIGN**

D. Kerr, B Ed (Hons), B A

SENIOR EXHIBITION OFFICER

I.R. Maidment, B A, Dip T (Art)

EXHIBITIONS OFFICER

G. Parnell

SUPERVISOR 3D DESIGN

J. Bain

EXHIBITIONS ASSISTANT

B. Blesing, B A Vis Arts

J. Cariotis (left October 2008)

Rebecca Hartman-Kearns, B A Vis
Arts (Hons)

B. Minuzzo, B A Vis Arts

R. Moore, Ad Dip Applied & Vis Arts

K. Arid, Dip T (start February 2009)

T. Whittle (start March 2009)

M. O'Hara (start February 2009)

K. Kenny (start February 2009)

M. Lillywhite, B A Vis Arts (start
April 2009)

MULTIMEDIA SECTION

**SUPERVISOR, MULTIMEDIA &
IMAGING**

T. Peters, B A Fine Art

SCIENCE

HEAD OF SCIENCE

R. Hill, B Sc (Hons), PhD, D Sc, FAI
Biol, FLS

MANAGER OF SCIENCE

P. Clarke, B Sc, B A, PhD

**PERSONAL ASSISTANT TO HEAD
OF SCIENCE & MANAGER OF
SCIENCES**

L. Strefford

HEAD OF COLLECTIONS

R. Morris, B A (Hons), M Soc Sci

DEPUTY HEAD OF COLLECTIONS
K. Walshe, PhD

ADMIN. COORDINATORS
D. Churches (part-time)
N. Mladenovic (left April 2009)

INFORMATION MANAGEMENT SECTION

INFORMATION MANAGEMENT MANAGER
F. Zilio, B A, MIMS

LIBRARY SERVICES OFFICER
J. Evans

ARCHIVES COLLECTION MANAGER
L. Gardam

FAMILY HISTORY ACCESS OFFICER
A. Abdullah-Highfold

ANTHROPOLOGY SECTION

HEAD OF ANTHROPOLOGY
P. Clarke, B Sc, B A, PhD

SENIOR RESEARCHER AUSTRALIAN ETHNOLOGY
P. Jones, LLB, B A (Hons), PhD

ABORIGINAL COLLECTIONS SENIOR PROJECT OFFICER:
I. James (left February 2009)

SENIOR RESEARCHER FOREIGN ETHNOLOGY
B. Craig, B A (Hons), Dip Ed, M A (Hons), PhD

SENIOR COLLECTION MANAGER ABORIGINAL COLLECTIONS & ARCHAEOLOGY
K. Walshe, PhD

COLLECTION MANAGER, ABORIGINAL ARCHAEOLOGY
G. Toone

COLLECTION MANAGER FOREIGN ETHNOLOGY
A. Rose, B A, Grad Dip Mus St, M A

ASSISTANT COLLECTION MANAGER ANTHROPOLOGY
T. Dodd

COLLECTION MANAGER HISTORY OF SCIENCE & POLAR COLLECTIONS
Mark Pharaoh

EARTH SCIENCES SECTION

HEAD OF EARTH SCIENCES
A. Pring, B Sc (Hons), PhD, FMSA, F Min Soc

SENIOR RESEARCHER
J. Brugger, B Sc (Hons), PhD
M. Lee, B Sc (Hons), PhD
J. Gehling, Ph D, M Sc, B Sc (Hons)

SENIOR COLLECTION MANAGER,
B. McHenry, B Sc (Hons), M Sc

COLLECTION MANAGER
J. McNamara, B Sc (Hons)

ASSISTANT COLLECTION MANAGER
D. Rice (part-time)

BIOLOGICAL SCIENCES SECTION

HEAD OF BIOLOGICAL SCIENCES
S. Cooper, B Sc (Hons), PhD

TERRESTRIAL INVERTEBRATES

RESEARCHER TERRESTRIAL
INVERTEBRATES

Mark Stevens, PhD

SENIOR COLLECTION MANAGER
TERRESTRIAL INVERTEBRATES

J. Forrest, OAM, Assoc Dip
Photography

COLLECTION MANAGER
TERRESTRIAL INVERTEBRATES

P. Hudson, PhD (Flinders)

COLLECTION MANAGER
ARACHNOLOGY

D. Hirst

ASSISTANT COLLECTION
MANAGER ENTOMOLOGY

C. Lee (Part-time)

DATABASING PROJECT

J. Wood
J. Moore

PARASITOLOGY

PRINCIPAL RESEARCHER
PARASITOLOGY

I. Whittington, B Sc (Hons), PhD

COLLECTION MANAGER
PARASITOLOGY

L. Chisholm, B Sc, M Sc, PhD

MARINE INVERTEBRATES

COLLECTION MANAGER MARINE
INVERTEBRATES

T. Laperousaz, B Sc (Hons)

COLLECTION MANAGER MARINE
INVERTEBRATES

R. Hamilton Bruce, AIAT, ABPI, Dip
Graph Dsgn

ASSISTANT COLLECTION
MANAGER MARINE
INVERTEBRATES

C. Lee (Part-time)

VERTEBRATES

SENIOR RESEARCHER
HERPETOLOGY

M. Hutchinson, B Sc (Hons), PhD

RESEARCHER

S. Richards, B A

COLLECTION MANAGER
HERPETOLOGY

C. Kovach

COLLECTION MANAGER
ICHTHYOLOGY

R. Foster (part time)

SENIOR RESEARCHER
MAMMALOGY

C. Kemper, B Sc, PhD

COLLECTION MANAGER
MAMMALOGY

D. Stemmer, B Sc (part time)

RESEARCH ASSISTANT
MAMMALOGY

M. McDowell, B Sc (Hons), M Sc

TECHNICAL OFFICER

T. Reardon, Cert Sc Tech

ORNITHOLOGY

SENIOR COLLECTION MANAGER
ORNITHOLOGY

P. Horton, B Sc (Hons), PhD

COLLECTION MANAGER
ORNITHOLOGY

M. Penck, B Sc (Hons)

ASSISTANT COLLECTION
MANAGER ORNITHOLOGY
D. Churches (part time)

EVOLUTIONARY BIOLOGY

HEAD OF EBU/PRINCIPAL
RESEARCHER EVOLUTIONARY
BIOLOGY

S. Donnellan, B Sc (Hons), PhD

SENIOR RESEARCHER
EVOLUTIONARY BIOLOGY
M. Adams, B Sc (Hons)
S. Cooper, B Sc (Hons), PhD

RESEARCHER EVOLUTIONARY
BIOLOGY
L. Wheaton

PRINCIPAL TECHNICAL
OFFICERS
T. Bertozzi, B Sc (Hons), PhD
K. Saint

TECHNICAL OFFICERS
T. Reardon, Cert Sc Tech
R. Foster (part-time)

HONORARY RESEARCH ASSOCIATES

K. Akerman (Anthropology)
 A. Austin, B Sc, PhD (Biological Sciences)
 S. Barker, PhD (Biological Sciences)
 D. Barton, PhD (Biological Sciences)
 I. Beveridge, B Sc, PhD (Biological Sciences)
 A. Black, PhD (Biological Sciences)
 V. Boll, PhD (Anthropology)
 S. Burnell, B Sc (Biological Sciences)
 A. Cooper, PhD (Biological Sciences)
 D. Corbett, PhD (Earth Sciences)
 C. Daniels, B Sc, PhD (Earth Sciences)
 J. Eckert (Biological Sciences)
 T. Gara (Information Services)
 L. Gershwin, B Sc, PhD (Biological Sciences)
 P. Greenslade (Biological Sciences)
 M. Halt, B Sc (Hons) (Biological Sciences)
 M. Hammer, B Sc (Hons), PhD (Biological Sciences)
 J. Jago, B Sc (Hons), PhD, F Aus IMM (Earth Sciences)
 R. Jenkins, B Sc (Hons), PhD (Earth Sciences)
 G. R. Johnston (Biological Sciences)
 B. Kear, PhD (Earth Sciences)
 P. Kolesik, PhD (Biological Sciences)
 R. J. Lavigne, PhD (Biological Sciences)
 A. J. McArthur, OAM, B E (Biological Sciences)
 C. Madden, B Sc, M Env St (Biological Sciences)
 E. Matthews, B A, PhD (Biological Sciences)
 G. Medlin, B Sc, Dip T (Biological Sciences)
 M. O'Donoghue, B Ed, Grad Dip Rel Ed, M Ed (Foreign Ethnology)
 N. Pledge, B Sc (Hons), M Sc (Earth Sciences)
 G. Prideaux, B Sc (Hons), PhD (Earth Sciences)
 L. Reed, B A (Hons), PhD (Earth Sciences)

S. Richards (Biological Sciences)
 G. Rouse, PhD (Biological Sciences)
 T. Schultze-Westrum, PhD (Foreign Ethnology)
 P. Shaughnessy, B Sc (Hons), M Sc, PhD (Biological Sciences)
 S. Shepherd, B A, LIB, M Env St, PhD (Biological Sciences)
 G. Smith (Information Services)
 M. Snow, B Sc, PhD (Earth Sciences)
 I. Tomo (Biological Sciences)
 M. Tyler, AO, M Sc (Biological Sciences)
 L. Warner, B Sc (Biological Sciences)
 C. Watts, B Sc (Hons), PhD (Biological Sciences)
 Prof R Wells, B Sc (Hons), PhD (Earth Sciences)
 W. Zeidler, B Sc (Hons), M Sc, PhD (Biological Sciences)

5. HUMAN RESOURCES

Employee Numbers, Gender and Status

Total Number of Employees		
Persons	95	
FTEs	82	(FTEs shown to 1 decimal place)

Gender	% Persons	% FTEs
Male	49.47	53.54
Female	50.53	46.46

Number of Persons During the 08-09 Financial Year	
Separated from the agency	16
Recruited to the agency	26

Number of Persons at 30 June 2009	
On Leave without Pay	1

Number Of Employees By Salary Bracket

Salary Bracket	Male	Female	Total
\$0 - \$47,999	7	22	29
\$48,000 - \$60,999	16	15	31
\$61,000 - \$78,199	11	10	21
\$78,200 - \$98,499	9	0	9
\$98,500+	4	1	5
TOTAL	47	48	95

Status Of Employees In Current Position

FTEs	Ongoing	Short-Term Contract	Long-Term Contract	Other (Casual)	Total
Male	35.1	5	3.2	0.58	43.88
Female	22.8	6.9	3	5.37	38.07
TOTAL	57.9	11.9	6.2	5.95	81.95

PERSONS	Ongoing	Short-Term Contract	Long-Term Contract	Other (Casual)*	Total
Male	36	5	4	2	47
Female	26	8	3	11	48
TOTAL	62	13	7	13	95

* The casual employee number reflected in the Annual Report only includes those employees who were paid in the last pay period for 2008/2009 (2 males, 11 females). The average number of casual employees for the year stands at 18 females and 8 males, 26 in total.

It has been recommended by the Office of Ethical Standards and Professional Integrity that this original data is included in the Annual Report, however let it be noted that the average number of casual staff for the 2008/2009 year stands at 18 females and 8 males.

Executives

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

Classification	Ongoing		Tenured Contract		Untenured Contract		Other (Casual)		Total	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Exec A					1					1
Exec B						1				1
Total					1	1				2

Leave management

Average days leave taken per full time equivalent employee

Leave Type	2004-05	2005-06	2006-07	2007-08	2008-09
Sick Leave	3.64	5.23	5.42	4.59	5.4
Family Carer's Leave	0.22	0.47	0.45	0.78	1
Special Leave with Pay	1.91	0.78	0.73	0.36	0.9

Workforce Diversity

Age Profile

Age Bracket	Male	Female	Total	% of Total
15-19	0	0	0	0
20-24	2	4	6	6.32
25-29	2	6	8	8.42
30-34	5	4	9	9.47
35-39	0	3	3	3.16
40-44	6	7	13	13.68
45-49	7	7	14	14.74
50-54	12	9	21	22.11
55-59	6	5	11	11.58
60-64	5	3	8	8.42
65+	2	0	2	2.11
TOTAL	47	48	95	100

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*
		4	4.2	2%

* Target from South Australia's Strategic Plan

Cultural And Linguistic Diversity

	Male	Female	Total	% Agency	SA Community*
Number of employees born overseas	9	6	15	15.79	20.3%
Number of employees who speak language(s) other than English at home	0	1	1	1.05	16.6%

Number Of Employees With Ongoing Disabilities Requiring Workplace Adaptation

NUMBER OF EMPLOYEES WITH DISABILITIES (ACCORDING TO COMMONWEALTH DDA DEFINITION)

Male	Female	Total	% of Agency
1		1	1.05%

NUMBER OF EMPLOYEES WITH DISABILITIES REQUIRING WORKPLACE ADAPTATION

Male	Female	Total	% of Agency
1		1	1.05%

Voluntary Flexible Working Arrangements

Number Of Employees Using Voluntary Flexible Working Arrangements By Gender

	Male	Female	Total
Purchased Leave	0	0	0
Flexitime	33	28	61
Compressed Weeks	2	0	2
Part-time Job Share	1	3	4
Working from Home	3	0	3

Performance Management

Documented Review Of Individual Performance

Employees with ...	% Total Workforce
A review within the past 12 months	100%
A review older than 12 months	0%
No review	0%

Training Expenditure

As a percentage of total remuneration expenditure

Training and Development	Total Cost	% of Total Salary Expenditure
Total training and development expenditure	\$9,335.00	0.16%
Total leadership and management development expenditure	\$0.00	0%

ACCREDITED TRAINING PACKAGES BY CLASSIFICATION

Classification	Number of Accredited Training Packages
ASO3	1
ASO5	3
ASO7	1
OPS3	2
OPS4	1
OPS5	1
PO3	1
PO4	5
PO5	2
TGO2	1
TGO3	1

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

Key achievements

The museum has continued its endeavours to engender a positive safety culture throughout all areas of its operations. Continuing an improvement program identified through the 2007 Workcover Gap Analysis key achievements during the reporting period are as follows:

- In March 2009 the South Australian Museum OHS&W and Injury Management system was evaluated as part of the Department of the Premier WorkCover audit against the "Performance standards for self-insurers". A hazard management action plan has been implemented to address areas requiring improvement identified by the auditor's observations. The South Australian Museum OHS&W and Injury Management system was identified as an immature system that had shown improvements progressively from the 2007 WorkCover gap analysis and was on track to being a robust system.
- Training programs for employees, volunteers, students and honoraries including refresher induction, first aid, four wheel drive, manual handling, responsible officer, volunteer guides and internal auditor training were conducted in 2008-2009.

OCCUPATIONAL HEALTH, SAFETY AND WELFARE AND INJURY MANAGEMENT REPORT.

The South Australian Museum performance against the elements of the Safety In the Public Sector 2007-2010 is tabled below:

1. SUSTAINABLE COMMITMENT				
Strategy	Action	Performance indicator	Responsibility	Status
1.1 Strategies to promote zero harm vision	OHS&W awareness training for all new employees	100% of new employees received induction.	Managers	100% have received training
1.1 Strategies to promote zero harm vision	OHS&W Induction for volunteer guides and hosts	50% of volunteer guides and hosts receive training prior to July 2009	Community Engagement managers	85% of volunteer guides and hosts receive training prior to July 2009
1.2 Implementation of DPC OHS&W&IM system	Refresher induction training for employees, volunteers, students and honoraries	50% of employees, volunteers, students and honoraries receive training prior to July 2009	OHS&W Coordinator	75% of employees, volunteers, students and honoraries have received training
1.3 OHS&W awareness	Inclusion of OHS&W in meetings agendas	80% of meetings to include OHS&W	Managers	90% of meetings include OHS&W
2. FINANCIAL ACCOUNTABILITY				
2.1 OHS&W training needs identified	Training needs analysed	Training programs planned	OHS&W Coordinator	Ongoing
2.2 Identify purchases required as corrective actions	Purchase of required equipment/tools/items on a priority basis	Required equipment/tools/items purchased	Business Manager OHS&W Coordinator	Ongoing
3. INTEGRATED RISK MANAGEMENT				
3.1 Adopt hazard management principals to control risk	Maintain records and identify controls to be implemented to minimise risk	80% of controls implemented	OHS&W Committee OHS&W Coordinator	Ongoing, funding limitations prevent 100% compliance. Risks are managed.

				SAM risk register established
4. RIGOROUS EVALUATION				
4.1 Work place inspections	Work place inspections are programmed by DPC Workplace Safety and Well Being unit.	100% of programmed work place inspections occur	OHS&W Coordinator	Ongoing, 100% of scheduled inspections have been conducted
4.2 Review internal policies and procedures	Maintain document register.	Internal policies and procedures reviewed	Executive OHS&W Committee OHS&W Coordinator	Policies and procedures have been reviewed
4.3 Create internal policies and procedures.	Identify internal policies and procedures required by SAM	Internal policies and procedures required by SAM have been created	Executive OHS&W Committee OHS&W Coordinator	Internal policies, procedures and forms have been created in consultation with stakeholders
4.4 Internal audits conducted	Internal audits program is established by DPC Workplace Safety and Well Being unit	100% of programmed audits are conducted	OHS&W Coordinator	Ongoing, 100% of scheduled audits have been conducted

Table 1 OHS Notices and Corrective Actions taken

Number of notifiable occurrences pursuant to OHS&W Regulations Division 6.6	0
Number of notifiable injuries pursuant to OHS&W Regulations Division 6.6	0
Number of notices served pursuant to OHS&W Act s35, s39 and s40 (default, improvement and prohibition notices)	0

Table 2: Agency gross workers compensation expenditure for 2008-09 compared with 2007-08

EXPENDITURE	2008-09 (\$m)	2007-08 (\$m)	Variation (\$m) +	% Change +(-)
Income maintenance	0	0	0	0
Lump Sum Settlements Redemptions – Sect.42	0	0	0	0
Lump Sum Settlements Permanent Disability – Sect.43	0	0	0	0
Medical/Hospital Costs combined	0	0	0	0
Other	0	0	0	0
Total Claims Expenditure	0	0	0	0

Successful consultative arrangements within the South Australian Museum include:

INTERNAL STAKEHOLDERS	CORPORATE STAKEHOLDERS	EXTERNAL STAKEHOLDERS
Employees	ArtsSA; ACCC	Adelaide University
Health and Safety Committee	DPC; DPCCC	Spotless Maintenance Contractors
Health and Safety Representative	DPC; Workplace Safety and Well Being Unit	Menzies Cleaning Contractors
Volunteers and Students		Wilson Security

Disability Action Plan

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

The Museum receives regular visitors to its galleries from people with a range of disabilities and special needs. Museum staff also respond to specific requests for specially designed group tours and experiences.

All exhibition and gallery development takes into account consideration of access and egress and disabled parking is available at the rear of the Museum for cars and vans.

As a result of the Museum's Disability Gap Analysis a Hearing Loop system, which assists hearing impaired visitors to the Museum, has been installed in the foyer of the South Australian Museum.

Equal Employment 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 2008-09

Number of Employees	Destination/s	Reason for Travel	Total Cost to Agency
1	United States	US National Science foundation research grant. This is a scientific meeting which will provide an excellent opportunity to attract foreign research students and post-doc research applicants to research opportunities at the SA Museum	\$5605.00
1	Namibia	Scientific research in Namibia and to lead a scientific expedition for the Waterhouse Club	\$0.00
1	Sweden	Attending and presenting papers at the International Geological congress, participating in excursions and attending a workshop in Sweden	\$0.00
1	United States	US National Science foundation research grant. This is a scientific meeting which will provide an excellent opportunity to attract foreign research students and post-doc research applicants to research opportunities at the SA Museum	\$7694.00
1	Netherlands	Travel to Netherlands to complete a monograph on a 2005 collaborative exhibition with the National Museum of Ethnology, Leiden and to prepare a publishable monograph on the Australian Aboriginal collections for the museum.	\$13 800.00
1	United States	Training in new analysis techniques USA.	\$0.00
1	France	Travel to France to principally examine the PhD thesis of Mikael Agolin and to proceed with several scientific publications that were initiated during his 6 month placement in Paris.	\$0.00
			\$27 099.00

ASBESTOS REPORT

Priority and Removal Activities

Category	Number of Sites		Category Description	Interpretation One or more items at these sites ...
	At start of year	At end of year		
1			Remove	should be removed promptly.
2	21	14	Remove as soon as practicable	should be scheduled for removal at a practicable time.
3	17	15	Use care during maintenance	may need removal during maintenance works.
4	45	23	Monitor condition	has asbestos present. Inspect according to legislation and policy.
5			No asbestos identified / identified asbestos has been removed	(All asbestos identified as per OHS&W 4.2.10(1) has been removed)
6			Further information required	(These sites not yet categorised)

Definitions

Category: The site performance score, determined by the lowest item performance score at each site.

Number of Sites in Category: A count of how many sites have the corresponding site performance score, with separate counts done at the start and the end of each year.

Category Description: Indicates the recommended action corresponding to the lowest item performance score (recorded in the asbestos register by a competent person, as per OHS & W Regulations (SA) 1995, 4.2.10).

Interpretation: The Asbestos register was updated on 9/6/2009 following inspections conducted by DTEI Asbestos Services.

Level 2 of the museum had all asbestos removed by licensed contractors as a part of the bio-diversity building project.

Netley building 4 had asbestos material removed from the roof and claddings.

The large number of sites relates to the amount of integral asbestos material that is part of the infrastructure of buildings and fittings and is considered low risk when left undisturbed.

Account Payment Statistics

Particulars	Number of accounts paid	Percentage of accounts paid (by number)	Value in \$A of accounts paid	Percentage of accounts paid (by value)
Paid by due date*	2 530	79.14%	\$6 265 510.00	88.39%
Paid late, within 30 days of due date	546	17.08%	\$677 359.00	9.56%
Paid more than 30 days from due date	121	3.78%	\$145 855.00	2.06%

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 – 2008-09

Value	No	Name	Description	Total Expenditure
Below \$10,000	1	Suzanne Gibbs	Scientific analysis of stomach contents of dolphin carcasses	\$5 000.00
	1	Graham Nudding	Scanning and filing for Ara Irititja archive	\$4 270.00
	1	Rightside Response Pty Ltd	Database software design for the Ara Irititja electronic archive	\$3 000.00
	1	University of Tasmania	Conduct training sessions across validate ages of bottlenose dolphins	\$1 818.18
\$10,000 - \$50,000	1	Ian Baird Community Consultant	Digitising and data entry for the Ara Irititja men's only archive	\$13 372.50
Above \$50,000	0			\$0.00
			Total	\$27 460.68

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', 'Access to Personal Information – policy and procedures', 'Procedures for Records Management' and 'Copyright Policy and 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 2008/2009.

INDEPENDENT AUDIT REPORT

INDEPENDENT AUDITOR'S 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 MUSEUM BOARD

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 accompanying financial statements of the Museum Board for the financial year ended 30 June 2009. The financial statements comprise:

- A Statement of Comprehensive Income
- A Statement of Financial Position
- A Statement of Changes in Equity
- A Statement of Cash Flows
- Notes, comprising a summary of significant accounting policies and other explanatory information
- A Certificate from the Chairman, Museum Board and the Director, South Australian Museum.

The Responsibility of the Members of the Museum Board for the Financial Statements

The members of the Museum Board are responsible for the preparation and the fair presentation of the financial statements in accordance with the Treasurer's Instructions promulgated under the provisions of the *Public Finance and Audit Act 1987* and the *South Australian Museum Act 1976* and Australian Accounting Standards. This responsibility includes establishing and maintaining internal controls relevant to the preparation and fair presentation of the financial statements that are free from material misstatement, whether due to fraud or error; selecting and applying appropriate accounting policies; and making accounting estimates that are reasonable in the circumstances.

Auditor's Responsibility

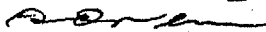
My responsibility is to express an opinion on the financial statements based on the audit. The audit was conducted in accordance with the requirements of the *Public Finance and Audit Act 1987* and Australian Auditing Standards. The Auditing Standards require that the auditor complies with relevant ethical requirements relating to audit engagements and plans and performs the audit to obtain reasonable assurance whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of the accounting policies used and the reasonableness of accounting estimates made by the Museum Board, as well as the overall presentation of the financial statements.

I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my auditor's opinion.

Auditor's Opinion

In my opinion, the financial statements present fairly, in all material respects, the financial position of the Museum Board as at 30 June 2009, and its financial performance and its cash flows for the year then ended in accordance with the Treasurer's Instructions promulgated under the provisions of the *Public Finance and Audit Act 1987* and Australian Accounting Standards.



S O'Neill
AUDITOR-GENERAL
22 October 2009

Museum Board

STATEMENT OF COMPREHENSIVE INCOME

For the Year Ended 30 June 2009

	Note Number	2009 \$'000	2008 \$'000
Expenses			
Staff benefits	4	5 807	5 284
Supplies and services	6	3 452	3 898
Accommodation and facilities	7	2 271	2 022
Depreciation	8	1 371	1 162
Grants and subsidies		147	93
Total expenses		13 048	12 459
Income			
Grants	10	700	784
Sale of goods		11	13
Fees and charges	11	723	341
Donations		239	172
Donations of heritage assets		256	986
Sponsorships		388	667
Interest		174	258
Resources received free of charge	12	477	491
Recoveries		546	289
Other	13	188	293
Total income		3 702	4 294
Net cost of providing services		9 346	8 165
Revenues from SA Government			
Recurrent operating grant		8 373	8 116
Capital grant		2 662	30
Total revenues from SA Government		11 035	8 146
Net result		1 689	(19)
Other Comprehensive Income			
Net increment on asset revaluation		-	4 372
Total comprehensive result		1 689	4 353

Net result and comprehensive result are attributable to the SA Government as owner.

The above statement should be read in conjunction with the accompanying notes.

Museum Board

STATEMENT OF FINANCIAL POSITION

As at 30 June 2009

	Note Number	2009 \$'000	2008 \$'000
Current assets			
Cash	22	4 677	3 489
Receivables	14	533	672
Total current assets		5 210	4 161
Non-current assets			
Property, plant and equipment	15	36 352	35 183
Heritage collections	16	144 981	144 725
Total non-current assets		181 333	179 908
Total assets		186 543	184 069
Current liabilities			
Payables	17	784	218
Staff benefits	18	790	663
Provisions	19	36	42
Total current liabilities		1 610	923
Non-current liabilities			
Payables	17	108	93
Staff benefits	18	1 089	999
Provisions	19	103	110
Total non-current liabilities		1 300	1 202
Total liabilities		2 910	2 125
Net assets		183 633	181 944
Equity			
Retained earnings		135 067	133 378
Asset revaluation reserve		48 566	48 566
Total equity		183 633	181 944
The total equity is attributable to the SA Government as owner.			
Unrecognised contractual commitments	20		
Contingent assets and liabilities	21		

The above statement should be read in conjunction with the accompanying notes.

Museum Board

STATEMENT OF CHANGES IN EQUITY

For the Year Ended 30 June 2009

	Asset Revaluation Reserve \$'000	Retained Earnings \$'000	Total \$'000
Balance at 30 June 2007	44 194	133 397	177 591
Net result for 2007-08	-	(19)	(19)
Gain on revaluation of land during 2007-08	1 960	-	1 960
Gain on revaluation of buildings during 2007-08	2 412	-	2 412
Total comprehensive result for 2007-08	4 372	(19)	4 353
Balance at 30 June 2008	48 566	133 378	181 944
Net result for 2008-09	-	1 689	1 689
Total comprehensive result for 2008-09		1 689	1 689
Balance at 30 June 2009	48 566	135 067	183 633

Changes in equity are attributable to the SA Government as owner.

The above statement should be read in conjunction with the accompanying notes.

Museum Board

STATEMENT OF CASH FLOWS

For the Year Ended 30 June 2009

	Note Number	2009 \$'000	2008 \$'000
Cash flows from operating activities			
Cash outflows			
Staff benefits		(5 654)	(5 076)
Supplies and services		(2 927)	(3 374)
Accommodation and facilities		(2 107)	(2 099)
Grants and subsidies		(133)	(93)
Cash used in operations		(10 821)	(10 642)
Cash inflows			
Grants		764	591
Sale of Goods		10	12
Fees and charges		613	340
Donations		239	173
Sponsorships		527	780
Interest		188	253
Recoveries		413	300
Other		353	230
Cash generated from operations		3 107	2 679
Cash flows from SA Government			
Recurrent operating grant		8 373	8 116
Capital grant		2 662	30
Cash generated from SA Government		11 035	8 146
Net cash provided by operating activities	22	3 321	183
Cash flows from investing activities			
Cash outflows			
Purchases of heritage collections		-	(259)
Purchases of property, plant and equipment		(2 134)	(265)
Cash used in investing activities		(2 134)	(524)
Cash inflows			
Proceeds from Debtor		1	1
Cash generated from investing activities		1	1
Net cash used in investing activities		(2 133)	(523)
Net increase (decrease) in cash		1 188	(340)
Cash at the beginning of the financial year		3 489	3 829
Cash at the end of the financial year	22	4 677	3 489

The above statement should be read in conjunction with the accompanying notes.

NOTES TO THE FINANCIAL STATEMENTS

Note 1. Objectives of the Museum Board

The functions of the Museum Board (the 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 Statement of compliance

The financial statements are general purpose financial statements. The accounts have been prepared in accordance with relevant Australian Accounting Standards and Treasurer's Instructions and Accounting Policy Statements promulgated under the provision of the *Public Finance and Audit Act 1987*.

Except for the amendments to AASB101 *Presentation of Financial Statements* (September 2007 version) including AASB 2007-8 and AASB 2007-10 (these standards make consequential amendments to other standards as a result of the revised AASB 101), which the Board has early adopted, Australian Accounting Standards and Interpretations that have recently been issued or amended but are not yet effective have not been adopted by the Board for the reporting period ended 30 June 2009. These are outlined in Note 3.

2.2 Basis of preparation

The preparation of the financial statements requires:

- the use of certain accounting estimates and requires management to exercise its judgement in the process of applying the Board's accounting policies. The areas involving a higher degree of judgement or where assumptions and estimates are significant to the financial statements, these are outlined in the applicable Notes; and
- compliance with Accounting Policy Statements issued pursuant to section 41 of the *Public Finance and Audit Act 1987*. In the interest of public accountability and transparency the Accounting Policy Statements require the following Note disclosures, which have been included in the financial statements:
 - a) revenues, expenses, financial assets and liabilities where the counterparty/transaction is with an entity within the SA Government as at reporting date, classified according to their nature. A threshold of \$100 000 for separate identification of these items applies;
 - b) expenses incurred as a result of engaging consultants;
 - c) staff targeted voluntary separation package information;
 - d) staff whose normal remuneration is \$100 000 or more (within \$10 000 bandwidths) and the aggregate of the remuneration paid or payable or otherwise made available, directly or indirectly by the entity to those staff; and
 - e) board/committee member and remuneration information, where a board/committee member is entitled to receive income from membership other than a direct out-of-pocket reimbursement.

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

The Statement of Cash Flows has been prepared on a cash basis.

The financial statements have been prepared based on a twelve month period and presented in Australian currency.

The accounting policies set out below have been applied in preparing the financial statements for the year ended 30 June 2009 and the comparative information presented for the year ended 30 June 2008.

2.3 Sources of funds

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

2.4 Income and expenses

Income and expenses are recognised in the Board's Statement of Comprehensive Income to the extent 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, and have not been offset unless required or permitted by a specific Accounting Standard, or where offsetting reflects the substance of the transaction or other event.

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 income in the period in which the Board obtains control over the grants.

Resources received free of charge

Resources received free of charge are recorded as income and expenditure in the Statement of Comprehensive Income at their fair value.

Under an arrangement with Arts SA and Artlab Australia, divisions of the Department of the Premier and Cabinet, Artlab Australia receives SA Government appropriation to perform conservation services on the Board's heritage collections. The value of this work performed is recognised as resources received free of charge in income and a corresponding amount included as conservation work expenditure in supplies and services (Note 6).

Under an arrangement with the Services Division of the Department of the Premier and Cabinet, financial services and human resources are provided free of charge to the Board. The value of these services is recognised as resources received free of charge in income and a corresponding amount included as a business services charge in supplies and services (Note 6).

2.5 Current and non-current classification

Assets and liabilities are characterised as either current or non-current in nature. The Board has a clearly identifiable operating cycle of twelve months. Assets and liabilities that will be realised as part of the normal operating cycle have been classified as current assets or current liabilities. All other assets and liabilities are classified as non-current.

2.6 Cash

Cash in the Statement of Financial Position includes cash at bank and cash on hand.

For the purposes of the Statement of Cash Flows, cash is defined above. Cash is measured at nominal value.

2.7 Receivables

Receivables include amounts receivable from trade, prepayments and other accruals.

Trade receivables arise in the normal course of selling goods and services to other government agencies and the public. Trade receivables are generally receivable within 30 days after the issue of an invoice or the goods/services have been provided under a contractual arrangement.

The ability to collect trade receivables is reviewed on an ongoing basis. Debts that are known to be uncollectible are written off when identified. An allowance for doubtful debts is raised when there is objective evidence that the Board will not be able to collect the debt.

2.8 Non-current asset acquisition and recognition

The cost method of accounting is used for the initial recording of all acquisitions of assets. Cost is determined as the fair value of the assets given the consideration plus costs incidental to the acquisition. Assets donated during the year have been brought to account at fair value.

All non-current assets with a value of \$5,000 or greater are capitalised.

Componentisation of complex assets is only performed when the complex asset's fair value at the time of acquisition is greater than \$5 million for infrastructure assets and \$1 million for other assets.

2.9 Valuation of non-current assets

All non-current assets are valued at written down current cost (a proxy for fair value) and a revaluation of non-current assets or a group of assets is only performed when its fair value at the time of acquisition is greater than \$1 million and estimated useful life is greater than three years.

Land and buildings are re-valued every 3 years, and heritage collections are re-valued every 5 years. Previously, heritage collections were re-valued every 3 years, but in 2008-09 the Board's Asset Management Policy was revised, and the revaluation period for heritage collections was changed from 3 to 5 years. However, if at any time management considers the carrying amount of an asset materially differs from its fair value, then the asset will be revalued regardless of when the last valuation took place. Non-current assets that are acquired between revaluations are held at cost until the next valuation, where they are revalued to fair value.

Any revaluation increment is credited to the asset revaluation reserve, except to the extent that it reverses a revaluation decrement of the same asset class previously recognised as an expense, in which case the increase is recognised as income.

Any revaluation decrement is recognised as an expense, except to the extent that it offsets a previous revaluation increase of the same asset class, in which case the decrease is debited directly to the asset revaluation reserve to the extent of the credit balance existing in the revaluation reserve for that asset class.

Upon revaluation, the accumulated depreciation has been restated proportionately with the change in gross carrying amount of the asset so that the carrying amount, after revaluation, equals its revalued amount.

Upon disposal or de-recognition, any revaluation reserve relating to that asset is transferred to retained earnings.

Land and buildings

Land and buildings have been valued at fair value. Valuations of land and buildings were determined as at 30 June 2008 by the Australian Valuation Office.

Plant and equipment

Plant and equipment, including computer equipment, on acquisition has been deemed to be held at fair value.

Heritage collections

The Board's collections were revalued as at 30 June 2006 using the valuation methodology outlined below in accordance with fair value principles adopted under Australian Accounting Standard AASB 116 *Property, Plant and Equipment*. These valuations were undertaken by both external valuers and internal specialists.

The collections were broadly valued on the following basis:

Collection	Method of valuation
Heritage collections	Net market valuation
Natural History collections	Cost of recovery

Heritage collection status applies to those collections where an established market exists. The net market valuation applied has been assessed either by valuation undertakings by staff and valuers or by applying valuations determined under the Taxation Incentives for the Arts Scheme.

Cost of recovery valuation has been applied to those collections that were previously valued at zero under deprival value methodology. These collections have been valued at fair value on the basis of the cost of fieldwork, preparation and documentation to replace the material in its present condition.

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

Collection	Industry Expert
Australian Ethnology	Macaulay 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.

2.10 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 re-valued assets an impairment loss is offset against the asset revaluation reserve.

2.11 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 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	20 to 100
Plant and equipment	5 to 15
Computer equipment	3 to 5

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.

2.12 Payables

Payables include creditors, accrued expenses and staff 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.

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

2.13 Staff benefits

These benefits accrue for staff as a result of services provided up to the reporting date that remain unpaid. Long-term staff 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 staff is estimated to be less than the annual entitlement of sick leave.

(i) Salaries, Wages and Annual Leave

Liabilities for salaries, wages and annual leave have been recognised as the amount unpaid at the reporting date at remuneration rates current 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 a staff member has completed 6.5 years of service. An actuarial assessment of long service leave, undertaken by the Department of Treasury and Finance based on a significant sample of employees throughout the South Australian public sector, determined that the liability measured using the short hand method was not materially different from the liability measured using the present value of expected future payments. This calculation is consistent with the Board's experience of staff retention and leave taken.

(iii) *On Costs*

Staff benefit on-costs (payroll tax, workcover and superannuation) are recognised separately under payables.

(iv) *Superannuation*

The Board makes contributions to several State Government and externally managed superannuation schemes. 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 respective superannuation schemes. The only liability outstanding at balance date relates to any contributions due but not yet paid to the relevant superannuation schemes. The Department of Treasury and Finance centrally recognises the superannuation liability, for the schemes operated by the State Government, in the whole-of-government financial statements.

2.14 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 Workforce Relations Division of the Department of the Premier and Cabinet.

2.15 Leases

The Board has entered into a number of operating lease agreements for accommodation, vehicles and office equipment 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 Statement of Comprehensive Income on a straight-line basis over the lease term.

2.16 Comparative information

The presentation and classification of items in the financial statements are consistent with prior periods except where adjusted to reflect the early adoption of AASB 101 *Presentation of Financial Statements* and specific revised Accounting Standards and Accounting Policy Statements.

Comparative figures have been adjusted to conform to changes in presentation in these financial statements where required eg preparation of a single Statement of Comprehensive Income.

The restated comparative amounts do not replace the original financial statements for the preceding period.

2.17 Taxation

The Board is not subject to income tax. The Board is liable for payroll tax, fringe benefits tax, goods and services tax (GST) and the emergency services levy.

Income, expenses and assets are recognised net of the amount of GST. The amount of GST incurred by the Board 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 Statement of Financial Position as the Board 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. As such, there are no cash flows relating to GST transactions with the Australian Taxation Office in the Statement of Cash Flows.

2.18 State Government funding

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

2.19 Rounding

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

2.20 Insurance

The Board has arranged, through SAICORP, a division of the SA Government Financing Authority, to insure all major risks of the Board. The excess payable is fixed under this arrangement.

2.21 Unrecognised contractual commitments and contingent assets and liabilities

Commitments include those operating, capital and outsourcing commitments arising from contractual or statutory sources and are disclosed at their nominal value.

Contingent assets and contingent liabilities are not recognised in the Statement of Financial Position, but are disclosed by way of a Note and, if quantifiable, are measured at nominal value.

Unrecognised contractual commitments and contingencies are disclosed net of the amount of GST recoverable from, or payable to the Australian Taxation Office. If GST is not payable to, or recoverable from the Australian Taxation Office, the commitments and contingencies are disclosed on a gross basis.

Note 3: New and revised Accounting Standards

Details of the impact, where significant, on the Board's financial statements from new and amended Australian Accounting Standards that are applicable for the first time in 2008-09 are detailed below.

The Board has early adopted the September 2007 version of AASB 101 *Presentation of Financial Statements* including AASB 2007-8 and AASB 2007-10 (these standards make consequential amendments to other standards as a result of the revised AASB 101) - this includes the preparation of a single Statement of Comprehensive Income.

Issued or amended but not yet effective

Except for the amendments to AASB 101 *Presentation of Financial Statements*, which the Board has early-adopted, the Australian Accounting Standards and Interpretations that have recently been issued or amended but are not yet effective, have not been adopted by the Board for the period ending 30 June 2009. The Board has assessed the impact of the new and amended Standards and Interpretations and considers there will be no impact on the accounting policies or the financial statements of the Board.

Note 4: Staff benefits

	2009 \$'000	2008 \$'000
Salaries and wages	4 641	4 282
Long service leave	188	168
Annual leave	95	33
Staff on-costs - superannuation	590	492
Staff on-costs - other	259	244
Board fees	27	18
Other staff related expenses	7	47
Total staff benefits	5 807	5 284

Remuneration of staff

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

	Number of staff 2009	Number of staff 2008
\$100,000 - \$109,999	2	4
\$110,000 - \$119,999	1	1
\$120,000 - \$129,999	2	-
\$160,000 - \$169,999	1	1
Total number of staff	6	6

The table includes all staff who received remuneration of \$100 000 or more during the year. Remuneration of staff reflects all costs including salaries and wages, superannuation contributions, fringe benefits tax and other salary sacrifice benefits. The total remuneration received by these staff members for the year was \$748 000 (\$690 000).

Targeted Voluntary Separation Packages (TVSPs)

There were no TVSPs paid in either 2008-09 or 2007-08.

Note 5. Remuneration of board and committee members

Members that were entitled to receive remuneration for membership during the 2008-09 financial year were:

Museum Board (8 Members)

Aboriginal Advisory Committee (5 Members)

Museum Board

Mr J Ellice-Flint
Mr A Simpson
Mr P Ah Chee
Mr R Edwards
Dr S Carthew
Ms N Bensimon (resigned 24 March 2009)
Ms E D Perry
Ms N Buddle *

Aboriginal Advisory Committee

Mr P Ah Chee
Mr L O'Brien
Ms L O'Donohue
Mr M Turner
Dr S Miller
Ms E D Perry

The number of members whose remuneration received or receivable falls within the following bands:	2009	2008
\$0 - \$9,999	11	12
\$10,000 - \$19,999	2	-
Total number of members	13	12

Remuneration of members reflects all costs of performing board/committee member duties including sitting fees. The total remuneration received by members was \$27 000 (\$18 000).

Amounts paid to a superannuation plan for board/committee members were \$2 000 (\$1 500).

* In accordance with the Department of Premier and Cabinet Circular No. 16, government employees did not receive any remuneration for board/committee duties during the financial year.

Related party disclosures

Board members or their related entities have transactions with the Board that occur within a normal customer or supplier relationship on terms and conditions no more favorable 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 6. Supplies and services

	2009 \$'000	2008 \$'000
Supplies and services provided by entities external to the SA Government		
Cost of goods sold	6	8
Marketing	249	175
Administration	240	388
IT services and communications	124	126
Maintenance	52	87
Collections	41	39
Exhibitions	163	154
Research	621	597
Travel and accommodation	170	206
Contractors	159	318
Motor vehicle expenses	16	4
Minor equipment	70	97
Fees	158	121
Consultants	27	76
Entertainment	26	78
Other	187	214
Total supplies and services - non SA Government entities	2 309	2 688

Supplies and services provided by entities within the SA Government			
Insurance and risk management	325		309
Marketing	2		2
Administration	-		10
IT services and communications	161		153
Maintenance	24		80
Artlab conservation work	287		293
Business services charge	175		197
Collections	11		16
Research	48		58
Travel and accommodation	4		5
Motor vehicle expenses	60		41
Minor equipment	4		9
Other	42		37
Total supplies and services – SA Government entities	1 143		1 210
Total supplies and services	3 452		3 898

Payments to consultants				
The dollar amount of consultancies paid/payable that fell within the following bands:				
	No	2009	No	2008
		\$'000		\$'000
\$0 - \$9 999	4	14	13	62
\$10 000 - \$50 000	1	13	1	14
Total paid/payable to the consultants engaged	5	27	14	76

Note 7: Accommodation and facilities

	2009	2008
	\$'000	\$'000
Accommodation and facilities provided by entities external to the SA Government		
Accommodation	331	280
Facilities	198	223
Security	798	665
Total accommodation and facilities – Non SA Government entities	1 327	1 168
Accommodation and facilities provided by entities within the SA Government		
Accommodation	395	318
Facilities	547	534
Security	2	2
Total accommodation and facilities – SA Government entities	944	854
Total accommodation and facilities	2 271	2 022

Note 8: Depreciation

	2009	2008
	\$'000	\$'000
Buildings and improvements		
Buildings and improvements	1 312	1 087
Plant and equipment	53	67
Computer equipment	6	8
Total depreciation	1 371	1 162

Note 9. Auditors remuneration

	2009	2008
	\$'000	\$'000
Audit fees paid/payable to the Auditor-General's Department	26	23
Total audit fees - SA Government entities	26	23

Other services

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

Note 10. Grants

	2009	2008
	\$'000	\$'000
State Government grants	-	9
Other general grants	342	410
Commonwealth grants	358	365
Total grants	700	784

Note 11. Fees and charges

	2009	2008
	\$'000	\$'000
Admissions	335	13
Functions	83	75
Fees for Service	107	133
Other	198	120
Total fees and charges	723	341

Note 12. Resources received free of charge

	2009	2008
	\$'000	\$'000
Resources received free of charge from entities external the SA Government		
In-kind sponsorship	15	-
Total resources received free of charge – Non SA Government entities	15	-
Resources received free of charge from entities within the SA Government		
Business Services Charge	175	197
Other	287	294
Total resources received free of charge – SA Government entities	462	491
Total resources received free of charge	477	491

Note 13. Other income

	2009	2008
	\$'000	\$'000
Other income received/receivable from entities external to the SA Government		
Rent	2	-
Exhibition Hire	10	47
Other	161	221
Total other income – Non SA Government entities	173	268
Other income received/receivable from entities within the SA Government		
Exhibition Hire	4	4
Other	11	21
Total other income – SA Government entities	15	25
Total other income	188	293

Note 14. Receivables

	2009 \$'000	2008 \$'000
Receivables from entities within the SA Government		
Receivables	10	11
Accrued income	17	23
Total receivables from SA Government entities	27	34
Receivables from external to the SA Government entities		
Receivables	506	638
Total receivables from Non SA Government entities	506	638
Total receivables	533	672

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 and accrued income are non-interest bearing. It is not anticipated that counterparties will fail to discharge their obligations. The carrying amount of receivables approximates net fair value due to being receivable on demand. In addition, there is no concentration of credit risk.

(a) Maturity analysis of receivables- refer to table 23.3 in Note 23.

(b) Categorisation of financial instruments and risk exposure information- refer to Note 23.

Note 15. Property, plant & equipment

	2009 \$'000	2008 \$'000
Land, buildings and improvements		
Land at valuation	7 440	7 440
Buildings and improvements at valuation	58 693	58 693
Works in progress	2 611	279
Accumulated depreciation	(32 753)	(31 441)
Total Land, buildings and improvements	35 991	34 971
Plant and equipment		
Plant and equipment at cost (deemed fair value)	1 638	1 465
Accumulated depreciation	(1 278)	(1 260)
Total plant and equipment	360	205
Computer equipment		
Computer equipment at cost (deemed fair value)	47	52
Accumulated depreciation	(46)	(45)
Total computer equipment	1	7
Total property, plant and equipment	36 352	35 183

Valuation of non-current assets

The valuation of land, buildings and improvements was performed by the Australian Valuation Office as at 30 June 2008.

Reconciliation of property, plant and equipment

	Land \$'000	Buildings & improvements \$'000	Works in progress \$'000	Plant & equipment \$'000	Computer equipment \$'000	Total \$'000
Carrying amount at 1 July	7 440	27 252	279	205	7	35 183
Additions	-	-	2 417	123	-	2 540
Depreciation expense	-	(1 312)	-	(53)	(6)	(1 371)
Other	-	-	(85)	85	-	-
Carrying amount at 30 June	7 440	25 940	2 611	360	1	36 352

Note 16: Heritage Collections

	2009			2008		
	At valuation	At cost	Total	At valuation	At cost	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Social/Industrial History	239	-	239	239	-	239
Australian Aboriginal Ethnographic	21 112	-	21 112	20 637	258	20 895
Foreign Ethnology	7 027	-	7 027	7 027	-	7 027
Australian Polar Collection	3 744	-	3 744	3 744	-	3 744
Minerals	16 984	-	16 984	16 945	-	16 945
Malacology	4 110	-	4 110	4 110	-	4 110
Butterflies	35	-	35	35	-	35
Australian Biological Tissue Bank	7 352	-	7 352	7 352	-	7 352
Australian Helminthological Collection	11 727	-	11 727	11 727	-	11 727
Entomology	31 686	-	31 686	31 686	-	31 686
Arachnology	4 795	-	4 795	4 795	-	4 795
Marine Invertebrates	8 923	-	8 923	8 923	-	8 923
Ichthyology	1 819	-	1 819	1 819	-	1 819
Herpetology	4 200	-	4 200	4 200	-	4 200
Ornithology	8 939	-	8 939	8 939	-	8 939
Mammalogy	5 962	-	5 962	5 962	-	5 962
Fossil	719	-	719	719	-	719
Library	5 608	-	5 608	5 608	-	5 608
Total heritage collections	144 981	-	144 981	144 467	258	144 725

Reconciliation of carrying amounts of heritage collections

	2009			2008		
	Balance 1	Additions	Balance 30	Balance 1	Additions	Balance 30
	July		June	July		June
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Social/Industrial History	239	-	239	239	-	239
Australian Aboriginal Ethnographic	20 895	217	21 112	20 211	684	20 895
Foreign Ethnology	7 027	-	7 027	6 963	64	7 027
Australian Polar Collection	3 744	-	3 744	3 258	486	3 744
Minerals	16 945	39	16 984	16 945	-	16 945
Malacology	4 110	-	4 110	4 110	-	4 110
Butterflies	35	-	35	35	-	35
Australian Biological Tissue Bank	7 352	-	7 352	7 352	-	7 352
Australian Helminthological Collection	11 727	-	11 727	11 727	-	11 727
Entomology	31 686	-	31 686	31 686	-	31 686
Arachnology	4 795	-	4 795	4 795	-	4 795
Marine Invertebrates	8 923	-	8 923	8 913	10	8 923
Ichthyology	1 819	-	1 819	1 819	-	1 819
Herpetology	4 200	-	4 200	4 200	-	4 200
Ornithology	8 939	-	8 939	8 939	-	8 939
Mammalogy	5 962	-	5 962	5 962	-	5 962
Fossil	719	-	719	719	-	719
Library	5 608	-	5 608	5 608	-	5 608
Carrying amount at 30 June	144 725	256	144 981	143 481	1 244	144 725

Note 17: Payables		
	2009	2008
	\$'000	\$'000
Current		
Creditors and accruals	667	119
Staff on-costs	117	99
Total current payables	784	218
Non-current		
Staff on-costs	108	93
Total non-current payables	108	93
Total payables	892	311
Payables to Non SA Government entities		
Creditors and accruals	654	108
Total payables – Non SA Government entities	654	108
Payables to SA Government entities		
Creditors and accruals	12	10
Staff on-costs	226	193
Total payables – SA Government entities	238	203
Total payables	892	311

As a result of an actuarial assessment performed by the Department of Treasury and Finance, the percentage of the proportion of long service leave taken as leave has changed from the 2008 rate 35% to 45% and the average factor for the calculation of employer superannuation on-cost has changed from the 2008 rate 11% to 10.5%. These rates are used in the staff on-cost calculation.

Interest rate and credit risk

Creditors and accruals are raised for all amounts billed but unpaid. Sundry creditors are normally settled within 30 days. Staff on-costs are settled when the respective staff 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.

(a) Maturity analysis of payables- refer to table 23.3 in Note 23.

(b) Categorisation of financial instruments and risk exposure information- refer to Note 23.

Note 18: Staff benefits		
	2009	2008
	\$'000	\$'000
Current		
Annual leave	453	382
Long service leave	215	186
Accrued salaries and wages	122	95
Total current staff benefits	790	663
Non-current		
Long service leave	1 089	999
Total non-current staff benefits	1 089	999
Total staff benefits	1 879	1 662

The total current and non-current staff expense (i.e. aggregate staff benefit plus related on costs) for 2008-09 is \$907 000 and \$1.2 million respectively.

Based on an actuarial assessment performed by the Department of Treasury and Finance, the benchmark for the measurement of the long service leave liability has not changed from the 2008 benchmark (6.5 years).

In addition, the actuarial assessment performed by the Department of Treasury and Finance also revised the salary inflation rate down by 0.5% from the 2008 rate of 4.5%

Note 19. Provisions

	2009 \$'000	2008 \$'000
Current		
Provision for workers compensation	36	42
Total current provisions	36	42
Non-current		
Provision for workers compensation	103	110
Total non-current provisions	103	110
Total provisions	139	152
Reconciliation of the provision for workers compensation		
Provision at the beginning of the financial year	152	134
(Decrease)Increase in provision during the year	(13)	18
Provision for workers compensation at the end of the financial year	139	152

Note 20. Unrecognised contractual commitments**Operating lease commitments**

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

	2009 \$'000	2008 \$'000
Not later than one year	209	389
Later than one year and not later than five years	32	162
Total operating lease commitments	241	551

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. No options exist to renew the leases at the end of their terms.
- 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.
- Non-cancellable photocopier 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.

Capital commitments

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

	2009 \$'000	2008 \$'000
Not later than one year	2 600	4 205
Later than one year and not later than five years	-	-
Total capital commitments	2 600	4 205

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:

	2009 \$'000	2008 \$'000
Not later than one year	221	235
Later than one year and not later than five years	294	498
Total remuneration commitments	515	733

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

Other commitments

	2009	2008
	\$'000	\$'000
Not later than one year	813	900
Later than one year and not later than five years	258	313
Total other commitments	1 071	1 213

The Board's other commitments are for agreements for security and cleaning.

Contingent rental provisions within the contracts require the minimum contract payments to be increased by variable operating costs and wage rises. Options exist to renew the contracts for another 12 months.

Note 21. Contingent assets and liabilities

The Museum Board is not aware of any contingent assets or liabilities as at 30 June 2009.

Note 22. Cash flow reconciliation**Reconciliation of cash**

For the purposes of the Statement of Cash Flows, cash includes cash on hand and at bank. Cash as at the end of the financial year as shown in the Statement of Cash Flows is reconciled to the items in the Statement of Financial Position as follows:

	2009	2008
	\$'000	\$'000
Deposits with Treasurer	4 666	3 478
Cash on hand	11	11
Cash as recorded in the Statement of Financial Position	4 677	3 489

Interest rate risk

Cash 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 Board are held in a Section 21 Interest Bearing Deposit Account titled the "Museum Board". Deposits with the Treasurer are bearing a floating interest rate between 2.99% and 7.10%.

	2009	2008
	\$'000	\$'000
Reconciliation of net cash provided by operating activities to net cost of providing services		
Net cash provided by operating activities	3 321	183
Less revenues from SA Government	(11 035)	(8 146)
Add (less) non cash items		
Depreciation of property, plant and equipment	(1 371)	(1 162)
Donations of heritage collections	256	986
Changes in assets and liabilities		
(Decrease) Increase in receivables	(139)	101
(Increase) Decrease in payables	(174)	54
(Increase) in staff benefits	(217)	(163)
Decrease (Increase) in provisions	13	(18)
Net cost of providing services	(9 346)	(8 165)

Note 23. Financial instruments/Financial risk management

Table 23.1 Categorisation of financial instruments

Details of the significant accounting policies and methods adopted including the criteria for recognition, the basis of measurement, and the basis on which income and expenses are recognised with respect to each class of financial asset, financial liability and equity instrument are disclosed in Note 2 *Summary of Significant Accounting Policies*

Category of financial asset and financial liability	Statement of financial position line item	Note	Carrying amount 2009 \$'000	Fair value 2009 \$'000	Carrying amount 2008 \$'000	Fair value 2008 \$'000
Financial assets						
Cash and cash equivalents	Cash	22	4 677	4 677	3 489	3 489
Loans and receivables	Receivables ⁽¹⁾	14	533	533	672	672
Financial liabilities						
Financial liabilities at cost	Payables ⁽¹⁾	17	892	892	311	311

⁽¹⁾ Receivable and payment amounts disclosed here exclude amounts relating to statutory receivables and payables. In government, certain rights to receive or pay cash may not be contractual and therefore in these situations, the requirements will not apply. Where rights or obligations have their source in legislation such as levy receivables/payables, tax equivalents, commonwealth tax, audit receivables/payables etc they would be excluded from the disclosure. The standard defines contract as enforceable by law. All amounts recorded are carried at cost (not materially different from amortised cost) except for staff on-costs which are determined via reference to the staff benefit liability to which they relate.

Credit risk

Credit risk arises when there is the possibility of the Board's debtors defaulting on their contractual obligations resulting in financial loss to the Board. The Board measures credit risk on a fair value basis and monitors risk on a regular basis.

The Board has minimal concentration of credit risk. The Board has policies and procedures in place to ensure that transactions occur with customers with appropriate credit history. The Board does not engage in high risk hedging for its financial assets.

Allowances for impairment of financial assets are calculated on past experience and current and expected changes in client credit rating. Currently the Board does not hold any collateral as security to any of its financial assets. Other than receivables, there is no evidence to indicate that the financial assets are impaired.

The following table discloses the ageing of financial assets, past due.

Table 23.2 Ageing analysis of financial assets

	Past due by			Total \$'000
	Overdue for < 30 days \$'000	Overdue for 30–60 days \$'000	Overdue for > 60 days \$'000	
2009				
Not impaired Receivables	420	12	101	533
2008				
Not impaired Receivables	598	53	21	672

The following table discloses the maturity analysis of financial assets and financial liabilities.

Table 23.3: Maturity analysis of financial assets and liabilities

	Carrying amount (\$'000)	Contractual Maturities		
		< 1 year (\$'000)	1-5 years (\$'000)	> 5 years (\$'000)
2009				
Financial assets				
Cash	4 677	4 677	-	-
Receivables	533	533	-	-
Total financial assets	5 210	5 210	-	-
Financial liabilities				
Payables	892	784	108	-
Total financial liabilities	892	784	108	-
2008				
Financial assets				
Cash	3 489	3 489	-	-
Receivables	672	672	-	-
Total financial assets	4 161	4 161	-	-
Financial liabilities				
Payables	311	218	93	-
Total financial liabilities	311	218	93	-

Note 24. Events after balance date

There were no events occurring after balance date.

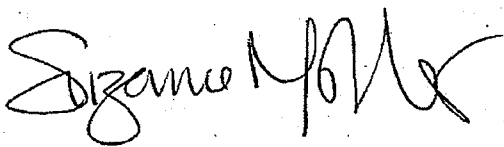
Museum Board

Certification of the Financial Report

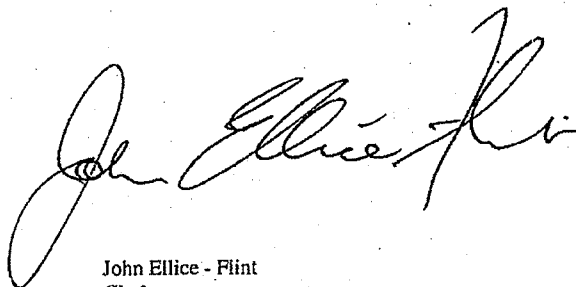
We certify that the attached general purpose financial statements for the Museum Board:

- comply with relevant Treasurer's Instructions issued under section 41 of the *Public Finance and Audit Act 1987*, and relevant Australian Accounting Standards;
- are in accordance with the accounts and records of the Museum; and
- present a true and fair view of the financial position of the Museum Board as at 30 June 2009 and the results of its operations and cash flows for the financial year

We certify that the internal controls employed by the Museum Board for the financial year over its financial reporting and its preparation of the general purpose financial statements have been effective throughout the reporting period.



Dr Suzanne Miller
Director
SOUTH AUSTRALIAN MUSEUM



John Ellice - Flint
Chairman
MUSEUM BOARD