

SOUTH AUSTRALIA

ANNUAL REPORT

OF THE

**SOUTH AUSTRALIAN
MUSEUM BOARD**

2003-2004

ANNUAL REPORT
Of The
SOUTH AUSTRALIAN
MUSEUM BOARD
2003-2004

CONTENTS	PAGE NO.
1. ROLE, LEGISLATION, STRUCTURE	2
2. ACHIEVEMENTS AND INITIATIVES	4
3. PUBLICATIONS – SOUTH AUSTRALIAN MUSEUM STAFF 2003-2004	18
4. STAFF LIST	30
5. EXECUTIVE EMPLOYMENT, STAFF EMPLOYMENT AND OTHER HUMAN RESOURCES MATTERS	42
6. OCCUPATIONAL HEALTH, SAFETY AND INJURY MANAGEMENT (OHS&IM)	45
7. FREEDOM OF INFORMATION ACT, 1991 PART 11 SECTION 9(2)	49
8. INDEPENDENT AUDIT REPORT ERROR! BOOKMARK NOT DEFINED.	
9. FINANCIAL STATEMENTS	42
10. NOTES TO THE FINANCIAL STATEMENTS	45

ANNUAL REPORT OF THE SOUTH AUSTRALIAN MUSEUM BOARD
2003-2004

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 persons appointed by the Minister. The Board functions as a body corporate.

Members of the Board during 2003-2004 were:

Mr John Ellice-Flint – Chair
Mr Paul Ah Chee
Ms Paula Capaldo
Ms Sharon Cookson
Mr Robert Edwards
Dr Adele Lloyd (retired 30 January 2004)
Prof Margaret Sedgley
Mr Antony Simpson

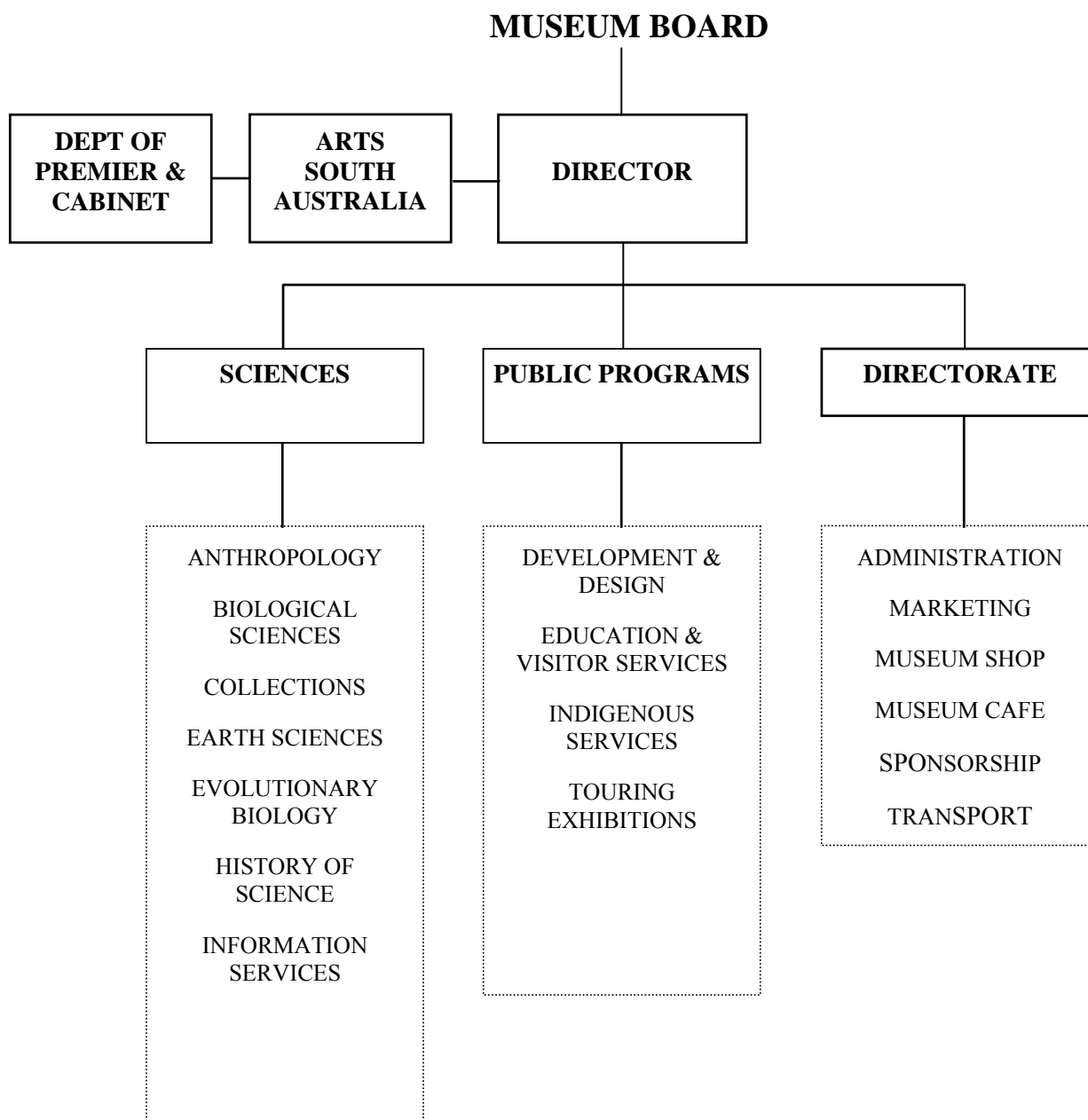
Dr Adele Lloyd had served the Board since her appointment in January 1995. During this period the Museum undertook its major capital upgrade and refurbishment, culminating in its reopening in March 2000. Throughout her period of service, Dr Lloyd's active engagement, support contribution and business acumen have proved invaluable in contributing to the Museum's development and is gratefully acknowledged.

STRUCTURE

No significant changes have occurred to the Museum's organisation during the period under review.

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

ORGANISATIONAL STRUCTURE
South Australian Museum as at 30 June 2004



2. ACHIEVEMENTS AND INITIATIVES

INTRODUCTION

During 2003-2004, the Museum focused on increasing its engagement with the South Australian community and expanded its profile as both a leading resource in scientific research and a provider of cultural, academic and educational outreach programs.

HIGHLIGHTS

- **The Inaugural Waterhouse Natural History Art Prize – August 2003**
Named in honour of the Museum's first Curator, Frederick George Waterhouse, this annual international art competition celebrating the wonder of our natural environment attracted over 400 artists with overall prize monies of \$85,000. The Waterhouse Natural History Art Prize is the richest competition of its sort within Australia. Without doubt, the inaugural event fulfilled all expectations of the Museum and is clearly set to establish itself as a major event on the national visual art calendar.
- **Museum Roadshows**
As a resource for the people of South Australia, the Museum's regional roadshows brought research scientists, education staff, exhibits and activities to:

Mannum, August 2003
South Australia's Outback – October 2003
Naracoorte World Heritage Site – April 2004
- **Inaugural Palaeontology Week – April 2004**
Leading palaeontologists from around Australia joined Museum Director, Dr Tim Flannery and senior Museum research and education staff for a week of innovative public events.
- **Australian Research Council**
Success in achieving Australian Research Council grant funding of \$3,457,689 saw the South Australian Museum exceed the total of such funding achieved by all other Australian Museums during the review period.
- **Adelaide Fringe March – 2004**
In keeping with its commitment to bringing vibrancy to the cultural precinct of North Terrace, the Museum became the visual arts hub of the Adelaide Fringe, hosting three major visual art exhibitions. In addition, the Museum's environs were utilised to present a number of diverse theatre productions.
- **Visitation**
Visitor numbers achieved were 669, 045. This total reflects a slight increase on visitation achieved in 2002-03 and is considered an extraordinary outcome, in light of the significant visitor disruption experienced by the Museum as a result of the North Terrace redevelopment.

SOUTH AUSTRALIAN MUSEUM VISION

Following extensive consultation with all museum stakeholders, the Museum Board has endorsed and enacted the following Vision Statement:

The South Australian Museum aspires to be acknowledged as a world-class resource and centre of excellence –

- **Custodian of the most significant Aboriginal collection**
- **Recognised for pursuing leading frontier research, development and interpretation of its collections**
- **Engaged with its visitors and community in presenting the natural world and its history**
- **A centre of education, innovation, wonder and fun.**

In keeping with its vision, the Museum has programmed an eclectic range of exhibitions and activities throughout the year. Over 30 free access events and programs occurred during the year, maintaining the Museum's awareness of providing a diverse, quality program, accessible to all. Paid admission was only applied to three touring exhibitions though charges were maintained at \$2 per entry. In respect of these paid admission exhibitions, the Museum again strives to ensure access is not inhibited by cost, whilst recognising the staging of such exhibitions imposes significant demands on the Museum's resources.

This approach to its exhibition and activity programs, combined with the Museum's regional roadshow activities, achieved positive visitor feedback, in appreciation of the Museum's endeavours to engage, at all levels, with the South Australian Community.

VISITATION

To have sustained overall visitation during the year is considered an outstanding achievement, given the severe disruption the Museum experienced throughout the period from both the conclusion of the State Library redevelopment and the commencement of the North Terrace redevelopment. From mid-October the entire North Terrace frontage of the Museum has been an environment of obstacles in attracting visitors and from mid-April, the Museum's North Terrace front doors were closed as a result of the extensive works associated with the Museum forecourt upgrade. An outstanding team effort by all Museum staff, plus innovative signage and diverse programs contributed to maintain visitation levels.

Within the overall attendance figure of 669,045, there were some 38,000 student pre-booked visits from state and private schools across the metropolitan area of Adelaide, who attended the Museum's curriculum-linked education programs.

Concurrent with the overall visitation figure were some 17,000 recorded visits to the Museum's Science Centre. The redevelopment of the former natural science building facilitated public access, 10am – 4pm, Monday to Friday and has proved of interest to both numbers of the public and has featured as a component part of the Museum's schools' education program.

Allowing an insight into the "behind the scenes" research and collections activity of the Museum, the Science Centre also houses the Mawson Centre, a major repository of books, papers, photographs, archives and artefacts that supplement the Museum's main Mawson Gallery display. The Museum is now considering opportunities for enhancing visitation to the Science Centre by means of linked and specific focus exhibitions between the main North Terrace building and the Science Centre.

GALLERY DEVELOPMENT

- **Life in the Deep – Biodiversity Gallery, Stage 1 – August, 2003**

Utilising a redundant lift shaft, *Life in the Deep* transcends four floors of the Museum's East Wing and showcases the world of the giant squid, complete with life size models of the creatures that inhabit the murky depths of ocean off the coast of Kangaroo Island. The model of the giant squid, *Architeuthis dux*, is 11 metres in length and modelled on one of the largest squid ever recorded.

This initial phase of the proposed **Biodiversity Gallery** was achieved with funding from the Federal Department of Environment. The innovative use of the redundant lift shaft presented the Museum with a unique challenge in both the design and execution of the gallery. However visitor and media response has reacted positively to this means of displaying the richness of South Australia's ocean depths

- **“Ediacara: the origin of animals”**

- **Origin Energy Fossil Gallery, Stage 2 – March 2004**

Coincidental with the Museum's Palaeontology Week opportunity was taken to unveil two new developments, empathetic to the palaeontology week program.

Building on the foundation of the Origin Energy Fossil Gallery – Opalised Fossils, the second stage of gallery development features rare and unique fossils from the far northern Flinders Ranges and represent the earliest known examples of animal life on earth, dating back in excess of 550 million years.

As with the opalised fossil gallery, this second stage is being developed as a work-in-progress. An approach that continues to provide visitors with the opportunity of witnessing specimen preparation as part of the gallery's development. As with opalised fossils, the Museum maintains an approach that all *Ediacara* specimens will be original fossils (not casts) and the design concept of the gallery allows visitors to touch selected specimens.

Design planning has already begun for the third and final phase of the Origin Energy Fossil Gallery, being *Megafauna*, which will highlight the extraordinary fossil heritage contained within South Australia and in particular in areas such as Naracoorte World Heritage Site, Kangaroo Island and Burra.

The *Ediacara* Gallery development further reflects and presents South Australia's unique fossil history. Recognising the extensive national and international interest the State's fossil history has, the Museum is working where possible, with regional tourism authorities and the South Australian Tourism Commission to identify and develop specialist eco-tourism opportunities based on this extraordinary State resource.

- **Allosaurus Skeleton – March, 2004**

The skeleton, originally purchased in 1982, as a gift from the Friends of the Museum, the *Allosaurus* skeleton has been re-articulated and installed crouched over the front desk in the Museum's entrance foyer. It now provides a striking first impression feature for visitors.

SPECIAL EXHIBITIONS

The Museum's temporary exhibition space in the North Wing hosted the following exhibitions, during the review period.

- **The Inaugural Waterhouse Natural History Art Prize – August 2003**

From its announcement in August 2002, the Museum recognised the challenge it was undertaking in hosting a major art competition that would achieve both national and international recognition. The realisation of the Waterhouse exceeded all original expectations with over 400 artists from Australia and overseas submitting entries. These entries were distilled to 133 finalists across the three competition categories:-

- Oil, acrylic or mix
- Watercolour, pastel, gouache, ink, charcoal, penicil or mix
- Sculpture.

The finalists' work was subjected to judging by a panel of judges comprising the Museum's Director, Dr Tim Flannery, the distinguished international naturalist and author, Redmond O'Hanlan, Melbourne-based artist, Rick Amon, local artist, David Dryden and local gallery owner, Russell Starke. The inaugural winner of the Waterhouse Natural History Art Prize was James King, Sydney-based artist whose work, Winter Foliage No. 12 achieved complete unanimity amongst the judges.

Prize money representing \$30,000 to the overall winner, with each category having a first, second and third winner at \$10,000, \$5,000 and \$2,500 respectively make the Waterhouse Natural History Art Prize the richest of its sort in Australia.

The Museum is indebted to a range of sponsors who supported the Museum's vision in realising the Waterhouse Natural History Art Prize. In particular, Newmont Australia as principal sponsor and Deutsche Bank as major sponsor gave unstinting support. Additionally, a range of local organisations provided the most superb assistance across the diverse areas of activity needed to achieve the high standard of the competition.

In addition to meeting the Museum's vision of engaging with its visitors and community in presenting the natural world and its history and wonder, the Waterhouse Natural History Art Prize was also seen as a means by which the Museum could facilitate a tangible commercial and promotion opportunity for practising visual artists. All submitted entries to the competition are available for sale. Artwork sales combined with some specific commissions have demonstrably shown the Waterhouse Natural History Art Prize is set to become a major showcase for participating artists.

The Museum was particularly delighted to see James King, the inaugural winner of the Waterhouse Natural History Art Prize, return to Adelaide with a commercial exhibition of his works featured during the Adelaide Festival.

The Museum has learned much from the experience of the inaugural competition and will incorporate the lessons in continuing to refine and develop this initiative. In particular, it is proposed that the exhibition of finalists' work will run for a longer period than the inaugural three weeks and selected finalists' work will be toured to interstate locations further enhancing the profile of the Waterhouse Natural History Art Prize.

The Museum remains convinced that this competition will become both a signature event for the Museum and a landmark event in the national visual arts calendar.

- **Sessions – The Evolution of Skateboarding November 2003 – February 2004**
This exhibition featured an eclectic range of skateboard memorabilia belonging to skateboard legend Tony Hallum covering the 1950's through to the 1990's. Curated by the Museum, in partnership with Tony Hallum, the exhibition proved attractive to a youth demographic that the Museum had previously found difficult to reach. In addition to the exhibition, the Museum organised a celebrity skateboard decorating event with the various skateboards then being auctioned. This activity allowed the Museum to donate \$1000 to the Youth Opportunities Program, a-not-for-profit organisation that assists and encourages teenagers to complete their secondary education and consider tertiary education opportunities. The Museum regarded the partnership with Youth Opportunities as being entirely empathetic to the overall audience the exhibition attracted.
- **Wildlife Photographer of the Year competition 2003 April – May 2004**
Established since 1964, the competition is organised by the Natural History Museum, London and the BBC Wildlife Magazine, and is regarded as one of the most prestigious of its kind. The Museum was privileged to showcase this international exhibition.
- **'The Flower Hunter – Ellis Rowan' June – July 2004**
The exhibition featured the exquisite artworks of Ellis Rowan, one of the world's most prolific and talented painters of exotic flora from the Asia Pacific region. Curated by the National Library, the exhibition provided a fascinating insight into the world of an intrepid traveller and explorer in the latter part of the nineteenth and early part of the twentieth century.

AUSTRALIAN ABORIGINAL CULTURES GALLERY – SPECIAL EXHIBITIONS

The following exhibitions were shown in the adjunct gallery space of the Aboriginal Cultures Gallery:

- **Taoundi Celebration – July 2003**
Co-curated with Taoundi College, the exhibition celebrated the 30th Birthday of the college and reflected its achievements and contribution to the Indigenous community.
- **Ara Irititja – October – November 2003**
Indigenous memories in a digital age - a database interactive project designed to protect the past and provide access in the future to indigenous people of the Anangu Pitjantjatjara lands. Developed over a number of years with the collaboration of the Museum and the community, the exhibition format also incorporated a specifically designed mobile module that allows the exhibition content to be readily available and accessible to relevant aboriginal communities.
- **Flicker – Adelaide Fringe – February to March 2004**
Recent photographic work from renowned Australian Indigenous artist, Leah King –Smith.
- **Channels of History – March to May 2004**
An exhibition that explored the lived experience of women in the Queensland Channel Country, both now and in the past and the ways that their history is represented.

TOURING EXHIBITIONS

Touring Exhibition Service (TES)

A feature of the Museum's extensive outreach education programs, *TES 'Life of the Past'* was presented to 83,600 school students in 26 regional locations. *TES* tours also include professional development opportunities for country school teaching staff as well as special lessons for students.

Discovery Cases – these popular items are loaned to schools and bring a taste of the Museum in a portable, fully lit case with exhibits that can be closely examined by students and teachers.

“Nature Personified – The Art of Helen Leitch”

This exhibition, developed, in consultation with the artist, had been exhibited at the Museum in March/April 2003. Following its very successful period at the Museum, the exhibition has now toured to seven interstate and regional galleries.

Australian National Botanic Gardens, ACT
Geelong Botanic Gardens,
Fitzroy Falls NSW,
LaTrobe Regional Gallery, Vic.
Port Pirie Regional Gallery, SA
Hamilton Regional Gallery, Vic.
Naracoorte Regional Gallery, SA

It returned to the South Australian Museum in late May, 2004.

EDUCATION & VISITOR SERVICES

Education

The Museum offers a wide range of curriculum-linked programs for students from Reception to Year 12. These programs are popular and booked well in advance. As referenced under Visitation, some 38,000 students attended such programs in the reporting period. Museum Education officers also attend Museum Roadshows extending the Museum's commitment to provide valuable education experiences to regional students.

Three such Roadshows occurred during the year utilising a format of specific school orientated and community based activities over a two to four day period.

Entailing a range of Museum staff each Roadshow is themed to the location and hence featured the River Murray and water whilst at Mannum, fossil heritage and biodiversity for the Outback (covering Burra, Port Augusta, the Flinders Ranges, School of the Air, and Coober Pedy) with megafauna being the major theme at Naracoorte.

Enabling students and the community to meet with Museum experts in an interactive, fun but structured manner has generated appreciable positive feedback from each Roadshow whilst enhancing the Museum's endeavours to overcome the inevitable City-centre focus prevailing within South Australia.

The Museum is indebted to Telstra Regional as the supportive major partner of its Roadshow programs.

TALKS PROGRAM

Further development of the program continued. Held in the main foyer area the monthly talks reflected the diverse research and collections activity of the Museum and have covered such diverse topics as:

- **September 2003**
Fossils from a Frozen Ocean
Dr Jim Gehling – Palaeontologist
- **October 2003**
The Real Spin on Spiders
Dr Steve Donnellan, Evolutionary Biologist
Dr Chris Daniels, Physiologist
- **April 2004**
Gems of Knowledge and Pearls of Wisdom – a virtual tour of the gem kingdom
Dr Allan Pring, Mineralogist
- **May 2004**
Pacquita – A fascinating look at Lady Mawson, presented by Emma McEwin, granddaughter of Sir Douglas and Lady (Pacquita) Mawson.
- **March 2004**
Expeditions of the 1930's
Inaugural Museum Archives Talk
- **September 2003 – June 2004**
Inside SAM's Place
As part of the Museum's talks program, *Inside Sam's Place* is a creative collaboration between Craft South: Centre for Contemporary Craft and Design and the Museum. Featuring work of local artists and craftspeople who design work based on themes of the Museum's collections finished work is usually for sale in the Museum shop, and frequently artists can be seen within the Museum demonstrating their work for visitors.

DISCOVERY CENTRE

The Discovery Centre continues to build its reputation as a unique repository of information in relation to the Museum's collections and exhibitions. Over 8,000 enquiries were received in the year from people seeking either identification of specimens or further information on the collections.

The Discovery Centre also continues to play a key role supporting the Museum's Education Services, Roadshows and school holiday programs.

COMMUNITY PARTNERSHIPS, PROGRAMS & EVENTS

The South Australian Museum is committed to engage, in the broadest possible way, with the people of South Australia. The following listing indicates the reality of this commitment to a variety of organisations, community, science, and arts groups and individuals.

2003

- **August**
National Science Week Media Launch
- **November**
Family Sundays
Launched on Pageant day 2003 and held on the first Sunday of every month, family fun days are supported by Parenting SA. They have attracted large crowds of eager parents and children where Museum related activities are combined with a mixture of live music, face-painting, craft workshops and information about effective parenting.

Launch of *YEP! Youth in Education Program* – Adelaide Fringe
- **December**
Launch of poster for *High Beam Disability Arts Festival* and the International Day of Disability

Christmas Fun Days, featured Christmas craft activities for children and parents.

2004

- **January**
Scout Jamboree
The Museum provided a North Terrace base prominence to the Australasian Jamboree held in the Adelaide Hills.

The galleries and lawns of the Museum hosted scouts from Australia and from around the Asia Pacific region over a ten day period.
- **February**
Adelaide Fringe Visual Arts Program official opening for some 400 guests
- **March**
Palaeontology Week – Following the success last year of the Museum's first Roadshow to Naracoorte, it was decided to respond to the extraordinary level of interest in the fossil history of South Australia by developing in conjunction with the Naracoorte Caves Management team, an extended program that would promote and become coincidental with the 2004 Naracoorte Roadshow.

The program brought together three of Australia's leading Palaeontologists, Dr. Tom Rich of Museum Victoria, Dr. John Long of the Western Australian Museum and Dr. Scott Hocknull of the Queensland Museum and Young Australian of the Year 2002. In addition Mr Andrew Plant, scientific illustrator and dinosaur specialist joined these interstate guests who combined with the Museum's own Specialist Staff to present a myriad week of talks, presentations, "digs" and meet the people sessions both in Adelaide and at Naracoorte.

Without doubt the program proved popular, educational and fun and will be further developed in the future.

- **April**
The Neurological Research Foundation focus information exhibition

Kidney Health Australia

Special 3 hour education session for 60+ young people aged from 8 – 16 years, attending the annual Kidney Health Australia camp.

FOCUS EXHIBITIONS

The Museum showcased a range of small specialist exhibitions within its foyer and gallery space.

- **September 2003**
Re-think
News Corporation winning entries in their global advertising awards.
- **October 2003**
Tasting Australia - The Raw and the Cooked
A history of culinary developments from Tasmania.

Lighting Exhibition
Design Institute of Australia (SA Chapter)
'Xpose 2003 Lighting Exhibition' - 26 exhibits from 26 designers
- **November 2003**
Treasures from the "Gilt Dragon", Solid silver coins of Spanish origin, minted in Mexico, remains of cannon balls and African elephant tusks believed to be remains from the shipwreck "Gilt Dragon" which sank off the coast of Western Australia in 1656.
- **February 2004**
Out of the Blue
Exquisite likenesses of endangered marine creatures crocheted from fishing line by South Australian artist, Christina Kerkvliet-Goddard.
- **April 2004**
In the Deep End
Works by local artist, Grahame Marshall, who works in oils and mixed media.
- **May 2004**
Silk Stories
A spectacular exhibition of silk sculptures created by people of the Eyre Peninsula, with a disability, were exhibited during the High Beam Disability Arts Festival in the Museum's front foyer.

NORTH TERRACE REDEVELOPMENT

North Terrace redevelopment and the transformation of the Museum forecourt – has meant that the Museum's front doors closed on Tuesday 13 April with a likely reopening in August, 2004. Strategic, branded signage was erected to help Museum visitors re-orientate themselves and find their way around to the Museum's back door because in keeping with the Museum's mammals gallery, "our front yard's stuffed"!

SCIENCE

The museum achieved outstanding success in the 2003 Australian Research Council (ARC) grant round. The total amount received was \$3,457,689 confirming the South Australian Museum's position as the outstanding research museum in Australia.

Grant recipient projects reflect the scope of the Museum's research covering such topics as:-

- Population structure of the giant Australian cuttlefish
- Mobility of metals in hydrothermal solutions
- Biology of subterranean animals in aquifers
- Co-evolution of sociality and sex allocation in insects
- Material culture of the Upper Sepik River
- Cretaceous marine reptiles.

Additionally, the research grant success further reflects the ongoing partnerships the Museum has developed with both the University of Adelaide and Flinders University.

Science and research staff collectively authored or co-authored 142 publications.

The Publications List summarised on pages 18 to 29 reflects the Museum's growing scope and reputation as a centre of scientific excellence.

THE COLLECTIONS

The Museum has continued development of a database management system with the objective of both rationalising collection management data, whilst making the collections more accessible to researchers. This development will further advance the opportunities to link the collection database with exhibition touch screen technology for user friendly visitor and eventually website access to the Museum's collections.

Spirit collection

Work has continued with the goal of optimising safe storage resources for the spirit collections whilst ensuring compliance with regulatory and legislative requirements.

WEBSITE

www.samuseum.sa.gov.au

The Museum's website has been subject to major and ongoing redevelopment in order to provide more detailed information about the Museum's current research programs.

Advanced interactivity with a growing number of online visitors, who want to initiate and sustain an ongoing association with the Museum, is also part of the new website design.

The Museum achieved 7,852,164 hits to the Website during the reporting year.

STAFF ACHIEVEMENTS AND AWARDS

- The Museum's Director, Dr Tim Flannery, co-chairs, with the Premier, the South Australian Science and Research Council, and also chairs the South Australian Sustainability Roundtable.

- Dr Greg Rouse, Senior Researcher, Marine Invertebrates was awarded 2nd prize in the prestigious New York based Nikon World International Small World Photographic Competition.
- Honorary Research Associate, Archie McArthur – OAM participated in “Advancing the Community Together”, a partnership between the volunteer sector and the South Australian Government.
- The Australian Microscopy and Microanalysis Society, awarded Dr Allan Pring, Principal Researcher Mineralogy, the John Sanders Medal for his research on the chemistry and structure of minerals using transmission electron microscopy.

INDIGENOUS INFORMATION CENTRE

The Indigenous Information Centre continues to provide information to Indigenous and non-Indigenous visitors. In addition, the centre provides special services in response to Aboriginal Family History enquiries from Aboriginal people on both a local and national basis.

Assisted by funding from the Aboriginal Torres Strait Islander Commission (ATSIC) the Indigenous Information Centre has progressed a number of partnerships and collaborations with Indigenous communities throughout South Australia in researching family histories and assisting with exhibitions, publications and the development of cultural keeping places.

Staff from the Indigenous Information Centre provided a range of cultural programs and craft activities during school holidays as well as specific programs and performances during NAIDOC (National Aboriginal Islander Day Observance Committee) week.

ABORIGINAL RECONCILIATION STATEMENT

The Museum’s tangible engagement with the Aboriginal community through the services of its Indigenous Information Centre, outreach programs, NAIDOC week and temporary exhibitions featuring Aboriginal culture provides a practical contribution towards the spirit of reconciliation.

In addition, promulgated policies of the Museum Board seek to further enhance the contribution the Museum can make toward community reconciliation.

The Museum Board’s Aboriginal Advisory Group, comprising Mr Paul Ah-Chee, Ms Banduk Marika, Mr David Ross and Mr Garnet Wilson met on a number of occasions to consider requests from Indigenous communities for the return of Indigenous collection items.

The South Australian Museum is also actively participating in the Return of Indigenous Cultural Property (RICP) program, funded by the federal government. Indigenous communities across Australia are being consulted over the future of Ancestral Remains and Secret Sacred Objects that are currently housed in state-funded institutions. During this year, the Museum has approached various Aboriginal organisations and interstate government departments for advice about its collections. This has led to the repatriation of Ancestral Remains to communities in western South Australia, as well as Secret Sacred Objects returned to senior custodians in central Western Australia. Consultations are ongoing with Aboriginal communities and senior custodians elsewhere, both within South Australia and interstate. This work, in one form or another, will continue for many years.

COMMERCIAL ACTIVITIES

The Museum remains committed to developing a range of commercial opportunities. The Museum Shop, Balaena Café, touring exhibitions, Waterhouse Natural History Art Prize and Venue Hire have all contributed to assist the Museum achieve the means to retain and enhance its free access programs.

Venue Hire

With improved marketing the Museum has continued to build on its reputation as an attractive location for corporate and private functions. A new brochure highlighting the distinctly unique areas available for hire was developed and has been successful in attracting many new clients

Community Support

In addition, the Museum has been pleased to assist 26 not-for-profit community groups and organisations by providing its facilities free of charge, for fundraising functions, lunches and celebrations.

Museum Shop and Balaena Cafe

Despite the significant impact of the North Terrace redevelopment and closure of the main entrance from April 13, sales and service targets have been only marginally impacted during the reporting period.

Sponsorship/ Business Development

The Museum continues to build the range of commercial business partnerships associated with its activities encouraging both cash or 'in-kind' sponsorship.

The Museum is grateful to all its sponsor partners and donors for their continuing support without which the Museum would be severely restricted in the delivery of its public programs exhibitions, events and activities.

MEDIA

Maintaining and building on its excellent relationships with national and international print and electronic media, the Museum has enjoyed increased exposure to viewers and readers across South Australia and Australia.

In addition to extensive editorial coverage, Museum staff members are often asked to speak on radio and television, where they provide expertise for media seeking to clarify information related to research projects or the Museum's collections.

In the absence of any significant marketing budget, the successful achievement of promoting the Museum's activities via such a broad range of media coverage is critical. The Inaugural Waterhouse Natural History Art Award and Museum Archives Tours featured on Channel 9 "Postcards" whilst other programs, such as public lectures, touring exhibitions and events also generated consistent media attention.

In particular a new media partnership with ABC Radio 891 has seen significant growth in attendance at the Talks program.

SUPPORT ORGANISATIONS

The Museum continues to receive outstanding assistance and commitment from its two support groups - the Friends of the South Australian Museum and the Waterhouse Club.

Both groups have co-ordinated an entertaining and informative range of member and public activities during the year.

In October 2003, responsibility for co-ordination and management of the daily free-guided tours initiated and coordinated by the Friends of the Museum was transferred to the Museum Education and Visitor Services team. The Museum is extremely grateful to the Friends for their vision in instigating and developing such a guiding service for Museum visitors over the past 20 years and looks forward to further enhancing this unique resource service.

The Waterhouse Club hosted a number of guest lectures, social events and scientific expeditions. The latter cover sites in South Australia and around Australia and serve both as fascinating experiences for club members as well as opportunities for Museum Science staff to receive practical support on field trips related to their core research programs.

The Museum also remains indebted to both the Friends and Waterhouse Club for their immediate and unstinting support in “underwriting” the Inaugural Waterhouse National History Art Prize. Though the initiative has proven successful, both the Friends and Waterhouse Club readily appreciated the financial risk associated with the concept of the Art Prize and were unequivocal in their support of the Museum in realising the event.

The Museum acknowledges their faith.

VOLUNTEER SUPPORT

The Museum has continued to enjoy outstanding support across a wide range of its activities from a large group of dedicated volunteers, numbering over 100.

In particular, the assistance provided in support of scientific research is appreciable and is gratefully acknowledged by the Museum.

Policy, procedures and Job and Person Specifications associated with the management support, and recruitment of volunteers have been established. The Museum is mindful of its responsibilities with respect to OHSW and equity of opportunity for volunteers, whilst also committed to ensuring that volunteers are provided with meaningful work that reflects the genuine needs of Museum projects, collections and services to visitors.

The new website will also assist opportunities for new volunteers to make initial Museum contact online.

As well as individual volunteers the Conservation Australia and Green Reserves Programs continue to provide significant volunteer resource to assist with collection maintenance in the Science Centre.

WORK EXPERIENCE

Maintaining its community role, the Museum has proved a popular choice for Year 11 students seeking work experience placements, with 26 placements awarded in various areas of Science and Public Programs. Application Policy and procedure developments have ensured an enhanced outcome both for Museum staff and students.

ENERGY EFFICIENCY ACTION PLAN

Following the switch-on in November 2002, of the Museum's 19.8 Kw solar panel installation, work has continued on an overall Energy Efficiency Action Plan.

Utilising the positive response of all Museum staff opportunities have been pursued across a wide range of Museum operations to reduce energy consumption. In particular attention has been given to air conditioning timing and temperature levels, low energy equipment replacement and an ongoing switch off campaign.

These actions, combined with the solar panel installation have now achieved total energy savings in excess of 14% over the last two years.

The Museum remains committed to achieving further reductions through an ongoing campaign of energy awareness amongst staff and seeking out opportunities wherever possible to apply new cost efficient energy reduction technologies.

Within the Main North Terrace Building the display screens related to the solar panel installation and indicating real-time power generation continue to attract considerable visitor interest. These screens have now been complimented by a third presenting a range of Green Information related to current Government initiatives associated with sustainable and re-newable energy matters.

FUTURE

The challenges for the year ahead will again focus the Museum's attention across the full range of its operations.

In particular:-

- maintaining its position as Australia's pre-eminent research Museum.
- developing and consolidating The Waterhouse Natural History Prize as its signature event.
- reclaiming its forecourt as one of Adelaide's great public spaces.
- finalising the Website development as a unique communication and marketing resource.
- enhancing its outreach and visitation capacities through continued innovative and engaging progress.
- developing an appropriate program for the Museum's 150th birthday in 2006.
- securing additional funding sources for continued gallery exhibition development.
- development and adoption of an updated forward strategic and business plan.

All this to be achieved whilst ensuring the very best possible return on the State Government's investment.

3. PUBLICATIONS – SOUTH AUSTRALIAN MUSEUM STAFF 2003-2004

Highlights included are two publications in the World's Science Journals, **Nature and Science**. (Reference Numbers 49 and 120)

1. Johnston, P. G., Watson, C. M., **Adams, M.**, and Paull, D. J. (2002). Sex chromosome elimination, X-chromosome inactivation and reactivation in the southern brown bandicoot *Isoodon obesulus* (Marsupialia: Peramelidae). *Cytogenetics and Genome Research* **99**: 119-124.
2. **Adams, M.**, Foster, R., Hutchinson, M. N., Hutchinson, R. G., and Donnellan, S. C. (2003). The Australian scincid lizard *Menetia greyii*: a new instance of widespread vertebrate parthenogenesis. *Evolution* **57**: 2619-2627.
3. Cooper, N. K., **Adams, M.**, Anthony, C., and Schmitt, L. H. (2003). Morphological and genetic variation in *Leggadina* (Thomas, 1910) with special reference to Western Australian populations. *Records of the Western Australian Museum* **21**: 333-351.
4. Kassahn, K. S., Donnellan, S. C., Fowler, T., Hall, K. C., **Adams, M.** and Shaw, P. (2003). Molecular and morphological analyses of the cuttlefish *Sepia apama* indicates a complex population structure. *Marine Biology* **143**: 947-962.
5. Gardner, M. G., Ottewell, K., and **Adams, M.** (2004). Isolation of microsatellites in a parthenogenetic lizard *Menetia greyii* (Scincidae) and their utility in sexual species of the *Menetia greyii* complex. *Molecular Ecology Notes* **4**: 219–221.
6. Riley, I.T. and **Bertozi, T.** (2004) Variation in sex ratios in four *Anguina* (Nematoda: Anguinidae) species. *Transactions of the Royal Society of South Australia* **128**: 43-46.
7. **Brugger, J.**, Krivovichev, S., Berlepsch, P., Meisser, N., Ansermet, S. and Armbruster, T. (2004). Spriggite, $\text{Pb}_3[(\text{UO}_2)_6\text{O}_8(\text{OH})_2](\text{H}_2\text{O})_3$, a new mineral with \square - U_3O_8 -type sheets: Description and crystal structure. *American Mineralogist*, **89**, 339-347.
8. **Brugger, J.**, Berlepsh, P., Meisser, N. and Armbruster, T. (2003): Ansermetite, $\text{MnV}_2\text{O}_6 \cdot 4\text{H}_2\text{O}$, a new mineral species with V^{5+} in five-fold coordination from Val Ferrera, Eastern Swiss Alps. *Canadian Mineralogist*, **41**: 1423-1431.
9. **Brugger, J.**, Ansermet, S., and **Pring, A** (2003). Uranium minerals from Mt Painter, Northern Flinders Ranges, South Australia. *Australian Journal of Mineralogy*, **9**: 15-31.
10. **Brugger, J.**, Burns, P. and Meisser, N. (2003) Contribution to the mineralogy of acid drainage of Uranium minerals: marecottite and the zippeite group. *American Mineralogist*, **88**: 676–685.
11. **Brugger, J.**, McPhail, D. C., Wallace, M. and Waters, J. (2003). Formation of willemite in hydrothermal environments. *Economic Geology*, **98**: 819-835.

12. Elburg, M., Bons, P., Foden, J., **Brugger, J.** (2003). A newly defined Late Ordovician magmatic-thermal event in the Mt Painter Province, northern Flinders Ranges, South Australia. *Australian Journal of Earth Sciences*, **50**: 611-631.
13. Berlepsch, P., Armbruster, T., **Brugger, J.**, Criddle, A.J. and Graeser, S. (2003): Tripuhyite, FeSbO₄, revisited. *Mineralogical Magazine*, **67**: 31-46.
14. Meisser, N. and **Brugger, J.** (2004): Ansermetite, a new mineral from the Swiss Alps. *Le Cristallier Suisse*, 2/2004, 25-26 & 4-5 (French and German).
15. Meisser, N., Ansermet S., **Brugger, J.** and Wülser, P.-A. (2004). Alpine metamorphosed ore deposits: Gardens of rare or new minerals for mineralogical Museums. Fifth International Conference on Mineralogy & Museums (M&M5), Paris, France. 5-8 September 2004.
16. Wülser, P.-A., **Brugger, J.** and Meisser, N., (2004). The crichtonite group of minerals: a review of the classification. Fifth International Conference on Mineralogy & Museums (M&M5), Paris, France. 5-8 September 2004.
17. Wülser, P.-A., Lahaye, Y. and **Brugger, J.** (2004). Mineralogy and zircon geochemistry of uranium sedimentary-hosted Beverley deposit (Lake Frome Embayment, Curnamona Province, South Australia). 17th Australian Geological Convention: "Dynamic Earth: Past, present and future", Hobart.8-13 February 2004.
18. McPhail, D.C., Summerhayes, E., Welch, S. and **Brugger, J.** (2004): The geochemistry and mobility of zinc in the regolith. Advances in Regolith 2003, Canberra. 19-21 November 2003.
19. **Liu, W., Brugger, J.**, Etschmann, B. and Spiccia, L. (2004). UV spectrophotometric and X-ray absorption experiments on ferric chloride complexes in brines. 17th Australian Geological Convention: "Dynamic Earth: Past, present and future", Hobart 8-13 February 2004.
20. **Brugger, J.**, Etschmann, B., **Liu, W.** and Foran, F. (2004). Structure of transition metal chloro-complexes in hypersaline solutions. 17th Australian Geological Convention: "Dynamic Earth: Past, present and future", Hobart 8-13 February 2004.
21. **Clarke, P. A.** (2003). Twentieth-century Aboriginal harvesting practices in the rural landscape of the Lower Murray, South Australia. *Records of the South Australian Museum*. **36**(1): 83-107.
22. **Clarke, P. A.** (2003). 'Where the Ancestors Walked. Australia as an Aboriginal Landscape.' Allen & Unwin, Sydney.
23. **Clarke, P. A.** (2003). Australian Aboriginal Mythology. Pp.382-401 in J. Parker & J. Stanton (eds) 'Mythology. Myths, Legends, & Fantasies.' Global Book Publishing, Sydney. CD Rom version.

24. **Clarke, P. A.** (2003). Australian ethnobotany: an overview. *Australian Aboriginal Studies* **2**: 21-38.
25. Balke, M. **Watts, C. H. S., Cooper, S. J. B.** Humphreys, W. F. & Vogler, A.P. (2004). A highly modified stygobiont diving beetle of the genus *Copelatus* (Coleoptera, Dytiscidae): Taxonomy and cladistic analysis based on mitochondrial DNA sequences. *Systematic Entomology* **29**, 59-67.
26. Schwarz, M. P., Tierney, S. M., **Cooper, S. J. B.** & Bull, N. J. (2004). Molecular phylogenetics of the allodapine bee genus *Braunsapis*: A-T bias and heterogeneous substitution parameters. *Molecular Phylogenetics and Evolution* **32**: 110-122.
27. Wheeler, D., Hope, R. M., **Cooper S. J. B.**, Gooley, A.A. and Holland, R.A.B. (2004). Linkage of the like globin genes in an Australian marsupial supports the chromosome duplication model for separation of globin gene clusters. *Journal of Molecular Evolution* **58**: 642-652.
28. Kasper, M. L., Reeson, A.F., **Cooper, S. J. B.**, Perry, K. D. & Austin, A.D. (2004). Assessment of prey overlap between a native (*Polistes humilis*) and an introduced (*Vespula germanica*) social wasp species using morphology and phylogenetic analyses of 16S rDNA. *Molecular Ecology* **13**: 2037-2048.
29. **Craig, B.**, (2003). Repaint the Drum. *Records of the South Australia Museum* 36,2:115-133.
30. Rawlings, L. H., **Donnellan,, S.C.** (2003). Phylogeographic analysis of the green python, *Morelia viridis*, reveals cryptic diversity. *Molecular Phylogenetics and Evolution* **27**: 36-44.
31. Williams, K., **Donnellan, S. C.**, Smyl, C., Scott, L., Wallwork, H. (2003). Molecular variation in *Rhynchosporium secalis* isolates obtained from hotspots. *Australasian Plant Pathology* **32**: 257-262.
32. Kassahn, K., **Donnellan, S. C.**, Fowler, A., Hall, K., Adams, M., Shaw, P. (2003). Molecular and morphological analyses of the cuttlefish *Sepia apama* indicates a complex population structure. *Marine Biology* **143**: 947- 962.
33. **Adams, M. A., Foster, R., Hutchinson, M. N.**, Hutchinson, R. G., **Donnellan, S. C.**, (2003). The first unisexual scincid lizard, *Menetia greyii* (Reptilia, Scincidae). *Evolution* **57**: 2619-2627.
34. Jennings B, Pianka E. R., **Donnellan, S. C.** (2003). Systematics of the lizard family Pygopodidae with implications for the diversification of Australian temperate biotas. *Systematic Biology* **52**: 757-780.
35. Van Camp, L., **Saint, K., Donnellan S. C.**, Havenhand, J. N., Fairweather, P.G. (2003). Polymorphic microsatellite markers for paternity assessment in southern calamari *Sepioteuthis australis* (Cephalopoda: Loliginidae). *Molecular Ecology Notes* **3**: 654-655.

36. **Donnellan, S. C.**, Mahony, M. J. (2004). Allozyme, chromosomal and morphological variability in the *Litoria lesueuri* species group (Anura: Hylidae), including a description of a new species. *Australian Journal of Zoology* **52**: 1-28.
37. Knowles, R., Mahony, M., Armstrong, J., **Donnellan, S. C.** (2004). Systematics of sphagnum frogs of the genus *Philoria* (Anura: Myobatrachidae) in eastern Australia. *Records of the Australian Museum* **56**: 57-74.
38. Rawlings, L. H., Barker, D., **Donnellan, S. C.** (2004). Phylogenetic relationships of the Australo-Papuan region pythons, *Liasis* (Reptilia: Macrostromata) based on mitoch.
39. **Flannery, T.F.**, (edited and introduced) (2003). *Sailing Alone Around the World*. Text, Melbourne.
40. **Flannery, T.F.**, (2003) *Beautiful Lies*. Population and Environment in Australia. Quarterly Essay 9, Black Inc., Melbourne.
41. Helgen, K. M., **Flannery, T. F.**, (2004). Taxonomy and distribution of the wallaby genus *Lagostrophus*. *Australian Journal of Zoology* **51**: 199-212.
42. Helgen, K. M., **Flannery, T. F.**, (2004). A new species of bandicoot, *Microperoryctes aplini*, from western New Guinea. *The Zoological Society of London* **264**: 1-8.
43. **Flannery, T. F.**, (2003) Lush Life. *Discover Magazine* 24(12): 78-84.
44. **Flannery, T. F.**, (2003) Would that be everything? Review of *A Short History of Nearly Everything* by Bill Bryson. *The Times Literary Supplement* No. 5235.
45. **Flannery, T. F.**, (2003). Europe's Apes and Us. Review of *Lowly Origin: Where, When and Why Our Ancestors First Stood Up* by Jonathon Kingdon, *The Speciation of Modern Homo sapiens* edited by Tim Crow, and *The Journey of Man: A Genetic Odyssey* by Spencer Wells. *The New York Review of Books* 50(14).
46. **Flannery, T. F.**, (2003) The Lady, or the Tiger? Review of *Monster of God: The Man-eating Predator in the Jungles of History and the Mind* by David Quammen. *The New York Review of Books* 50(15).
47. **Flannery, T. F.**, (2004). *Beautiful Lies*: Response to Correspondence. *Quarterly Essay* 13, Black Inc., Melbourne.
48. **Flannery, T. F.**, (2004). Flaming Creatures. Review of *For Love of Insects* by Thomas Eisner. *The New York Review of Books* 51(4).
49. **Flannery, T. F.**, (2004). Review of *The Natural History of Madagascar* by Goodman & Benstead. *Nature* 428, 605.

50. **Flannery, T. F.**, (2004). The Heart of the Country. Review of Under a Wild Sky: John James Audubon and the Making of 'The Birds of America' by William Souder, and Audubon's Elephant: America's Greatest Naturalist and the Making of 'The Birds of America' by Duff Hart-Davis. *The New York Review of Books* 51(10) June 10, 2004.
51. **Flannery, T. F.**, (2004). Hot polyps. Review of *The Great Barrier Reef: History, Science, Heritage* by J. & M. Bowen. In *The Times Literary Supplement* 11 June 2004.
52. **Flannery, T. F.**, (2004). Two degrees of separation from disaster. *The Sydney Morning Herald* 15 June 2004.
53. **Flannery, T. F.**, (2004) Behaving Like Spiders. Review of *The Long Summer: How Climate Changed Civilisation* by Brian Fagan. In *The London Review of Books* 24 June 2004.
54. **Flannery, T. F.**, (2004) Cooking the Planet. *The Big Issue* No. 206.
55. Helgen, K. M., **Flannery, T. F.**, (2004). Notes on the phalangerid marsupial genus *Spilocuscus*, with description of a new species from Papua. *Journal of Mammology*.
56. **Forrest, J. A.**, and **Hirst, D. B.**, (2004). A guide to collecting Insects and Arachnids in South Australia. *Terrestrial Invertebrate Section, SAMuseum* 24pp.
57. Droser, M. L., Jensen, S. and **Gehling, J. G.** (2004). Development of early Palaeozoic ichnofabrics: evidence from shallow marine siliciclastics. In McIlroy, D. (ed) *The Application of Ichnology to Palaeoenvironmental and Stratigraphic Analysis. The Geological Society, London, Special Publications, 228*: 383-396.
58. **Gehling, J. G.** (2004). Field guide to the Ediacaran and Cambrian of the Flinders Ranges, South Australia. *IGCP 493 Publication*, 69p.
59. Smith, B. J., **Hamilton-Bruce, R. J.**, **Kear, B.** Non-marine Gastropod fossils from the Lower cretaceous of eastern Australia for International Malacological Congress. Perth. July 2004 (accepted)
60. **Hamilton-Bruce, R. J.**, **Kear, B.**, Smith, B. J., A new species of *Melanoides* Olivier (Mollusca: Gastropoda: Thiaridae) from Lower Cretaceous non-marine deposits of Lightning Ridge, New South Wales. *Alcheringa* (accepted)
61. Smith, B. J., **Hamilton-Bruce, R. J.**, **Kear, B.** A new genus and species of fossil amphibolid snail (Pulmonata: Basommatophora) from the lower Cretaceous deposits (Griman Creek Formation) of eastern Australia.

62. Hill, R. S., and Brodribb, T. J. (2003). The evolution of Australia's living biota. In P. Attiwill & B. Wilson (eds) *Ecology: An Australian Perspective*. pp. 13-33. *Oxford University Press, South Melbourne*.
63. Steane, D. A., Wilson, K. L., and **Hill, R. S.** (2003). Using *matK* sequence data to unravel the phylogeny of Casuarinaceae. *Molecular Phylogenetics and Evolution* **28**: 47-59.
64. Guerin, G. and **Hill, R. S.** (2003). *Gymnostoma tasmanianum* sp. nov., a fossil Casuarinaceae from the Early Oligocene of Little rapid River, Tasmania, Australia. *International Journal of Plant Sciences* **164**: 629-634.
65. **Hill, R. S.** and Paull, R. (2003). *Fitzroya* (Cupressaceae) macrofossils from Cenozoic sediments in Tasmania, Australia. *Review of Palaeobotany and Palynology* **126**: 145-152.
66. Paull, R. and **Hill, R. S.** (2003). *Nothofagus kiandrensis* (Nothofagaceae subgenus *Brassospora*), a new macrofossil leaf species from Miocene sediments at Kiandra, New South Wales. *Australian Systematic Botany* **16**: 549-559.
67. **Hill, R. S.** and Brodribb, T. J. (2003). Evolution of conifer foliage in the Southern Hemisphere. *Acta Horticulturae* **615**: 53-58.
68. Brodribb, T. J. and **Hill, R. S.** (2003). Implications for leaf and shoot physiology in Podocarpaceae. *Acta Horticulturae* **615**: 173-174.
69. Brodribb, T. J. and **Hill, R. S.** (2003). The rise and fall of the Podocarpaceae in Australia – a physiological explanation. In: A. Hemsley & I. Poole (eds) *Evolution of Plant Physiology*. Volume 20. Academic Press. Pp. 381-399.
70. **Hirst, D. B.** (2003). The European Wasp in Adelaide. *Australasian Arachnology*, **66**: 4-5.
71. **Hirst, D. B.** (2003). Spiders and Wine. *Australasian Arachnology*, **67**: 7.
72. Isbister, G. K., **Hirst, D.** (2003) A prospective study of definite bites by spiders of the family Sparassidae (huntspiders) with identification to species level. *Toxicon* **42**:163-171.
73. Souter, N. J., Bull, C. M. & **Hutchinson, M. N.** (2004) Adding burrows to enhance a population of the endangered pygmy blue tongue lizard, *Tiliqua adelaidensis*. *Biological Conservation* **116**: 403-408.
74. Martin, J. E., **Hutchinson, M. N.**, Meredith, R., Case, J. A, and **Pledge, N. S.** (2004). A new genus of scincoid lizard (Squamata) from the Tertiary Etadunna Formation of South Australia. *Journal of Herpetology* **38**.
75. **Jones, P. G.** (2004). 'A maverick and his mentors'. Pp.36-42 in *Traditions in the midst of change. Communities, cultures and the Strehlow legacy in Central Australia*. Proceedings of the Strehlow Conference, Alice Springs, 18-20 September 2002. Strehlow Research Centre, Alice Springs.

76. Byard, R. W., Gilbert, J. D., Gibbs, S. E. and **Kemper, C. M.** (2003). Cetacean café coronary. *Journal of Clinical Medicine* **10**: 85–88.
77. **Kemper, C. M.**, Pemberton, D., Cawthorn, M., Heinrich, S., Mann, J., Wursig, B., Shaughnessy, P. and Gales, R. (2003). Aquaculture and marine mammals: Co-existence or Conflict? Pp. 209-225 in Gales, N., Hindell, M. and Kirkwood, R. (Eds) *Marine mammals: fisheries, tourism and management issues*. CSIRO Publishing, Melbourne.
78. Shaughnessy, P., Kirkwood, R., Cawthorn, M., **Kemper, C. M.** and Pemberton, D. (2003). Pinnipeds, cetaceans and fisheries in Australia: A review of operational interactions. Pp. 136-152 in Gales, N., Hindell, M. and Kirkwood, R. (Eds) *Marine mammals: fisheries, tourism and management issues*. CSIRO Publishing, Melbourne.
79. **Kemper, C. M.** (2004). Osteological variation and taxonomic affinities of bottlenose dolphins, *Tursiops* spp., from South Australia. *Australian Journal of Zoology* **52**: 29–48.
80. **Kemper, C. M.** and **Stemmer, D.** (2003). The mammals of Munyaroo Conservation Park and environs. Pp. 99-102 in *Flora and fauna of a dry mallee-western myall woodland on the east coast of Eyre Peninsula, South Australia*. Eds Peter Bailey and Kingsley Turner. Scientific Expedition Group, Adelaide.
81. **Kemper, C. M.** (2003). Book review of *A Field Guide to the Mammals of Australia* by P. Menkhorst and F. Knight. *The Victorian Naturalist* **120**: 266-267.
82. **Kemper, C. M.** (2004). Osteological variation and taxonomic affinities of bottlenose dolphins, *Tursiops* spp., from South Australia. *Australian Journal of Zoology* **52**: 29–48.
83. **Lavigne, R. J.** (2003). Evolution of courtship behaviour among the Asilidae (Diptera), with a review of courtship and mating. – *Studia dipterologica* 9(2)(2002): 703-742; Halle (Saale).
84. **Lavigne, R. J.** 2003. Provisional checklist of the Asilidae (Insecta: Diptera) of South Australia, utilizing an updated subfamily classification. *Records of the South Australian Museum* **36**(2): 189-194.
85. Ohishi, H. and Otobe, H. (2003). Asilidae (Diptera) in seashore of Mie (In Japanese). - HANA ABU 16 (2003.10): 49-52; Kyota. ***Translation from Japanese by Mr Hisayoshi Fukaya [27-12, Shibamiya, Asaka, Koriyama City 963-0111, Japan; and **Dr. Robert Lavigne** [Professor Emeritus, Dept. of Renewable Resources, Entomology Program, University of Wyoming; current address: P.O. Box 1010, Mt Barker, SA 5251, AUSTRALIA.} *Honorary Associate SAMuseum*. Transl 8.ZI www.geller-grimm.de/catalog/transla.htm

86. Lehr, P. A. 1964b { On the nutrition and significance of robber flies} Trudy Instituta Zoologii, Akademiya Nauk Kazakstan SSR 8: 213-244; Alma-Ata ***Translation from Russian by Robert Karriker and **Dr. Robert Lavigne** [Professor Emeritus, Dept. of Renewable Resources, Entomology Program, University of Wyoming; current address: P.O. Box 1010, Mt Barker, SA 5251, AUSTRALIA.} *Honorary Associate SAMuseum* Transl 12.ZI www.geller-grimm.de/catalog/transla.htm
87. McIlwee, A. and **Leys, R.** (2003). The distribution of the green carpenter bee *Xylocopa (Lestis) aeratus* in relation to fire-history on Kangaroo Island. Report to Wildlife Conservation Fund (DEH).
88. **Leijs, R., Watts, C. H. S., Cooper, S. J. B.,** and Humphreys, W. F. (2003). Evolution of subterranean diving beetles (Coleoptera: Dytiscidae: Hydroporini, Bidessini) in the arid zone of Australia. *Evolution* **57**: 2819-2834.
89. **Leijs, R.,** Greenslade, P. (2003). Springtails of the White Mountains National Park. In: White Mountains Scientific Study Report, The Royal Geographic Society of Queensland, Geography Monograph Series. **9**: 19-26.
90. Doughty, P., Shine, R. and **Lee, M. S. Y.,** (2003). Energetic costs of tail loss in a montane scincid lizard. *Comparative Biochemistry and Physiology A* **135**: 215-219.
91. **Lee, M. S. Y.** (2003-2004). In with a bang? / An Ideal Serpent / Loved to Death (short pieces for "Nature Strip" column). *Nature Australia* 27(8), 27 (11), 27 (12).
92. **Lee, M. S. Y.** (2004). The molecularisation of taxonomy. *Invertebrate Systematics* **18**: 1-6.
93. Caldwell, M.W., and **Lee, M. S. Y.** (2004). Reevaluation of the Cretaceous marine lizard *Acteosaurus crassicosatus*. *Journal of Palaeontology* **78**: 617-619.
94. **Scanlon, J. D. and Lee, M. S. Y.** (2004). The phylogeny of Australasian venomous snakes (Elapidae, Hydrophiidae) based on phenotypic and molecular evidence. *Zoologica Scripta* **33**: 335-366.
95. Caprette, C.C., **Lee M. S. Y.,** Shine, R., Moganey, A., Downhower J. F. 2004. The origin of snakes as seen through eye anatomy. *Biological Journal of the Linnean Society (London)* **81**: 469-482.
96. **Lee, M. S. Y.,** Reeder, T. W., Lawson, R., and Slowinski, J., (2004). Resolving reptilian relationships: morphological and molecular markers. In *Assembling The Tree of Life* (J. Cracraft and M. Donoghue, eds). Oxford University Press.
97. **McArthur, A. J.** (2003). Ants and Acacias. *The South Australian Naturalist* **78**: No. 3/4 3-7.

98. **McArthur, A. J.** (2003). New species of *Camponotus* (Hymenoptera: Formicidae) from Australia. *Transactions of the Royal Society South Australia*, **127** (1) 5-14.
99. **McNamara, J. A.** (2003). Mundulla Yellows - a simple case of poisoning. *Australian Biologist* **16**: 94-108.
100. **Matthews, E. G.** (2003). Selection of types of Australian Heleini from the collection of F. di Breme (Coleoptera: Tenebrionidae). *Museo Regionale di Scienze naturali di Torino, Bollettino* **20**, 119 – 134.
101. **Matthews, E. G.** (2003) *Aoupinia*, a remarkable new genus of Adeliini from New Caledonia (Coleoptera: Tenebrionidae). *Memoirs of the Queensland Museum* **49**: 441–445.
102. **Matthews, E. G.** (2003) *Ulomotypus* Broun a member of the new subfamily Palorinae, with remarks on *Aphthora* Bates and *Demtrius* Broun (Coleoptera, Tenebrionidae). *New Zealand Entomologist* **26**: 7–14.
103. **Matthews, E. G.** (2003). The *Palorus* Group – a new subfamily of Tenebrionidae (Insecta, Coleoptera). *Spixiana* (Munich) **26**: 49–50.
104. **Matthews, E. G.** and Scupola, A. (2003). Entomological investigations in Australia by the Natural History Museum of Turin: Coleoptera, Tenebrionidae. *Museo Regionale di Scienze naturali di Torino, Monografie* **35**: 281–302.
105. **Pledge, N. S.** (2003). A new species of *Muramura* Pledge (Wynyardiidae: Marsupialia) from the Middle Tertiary of the Callabonna Basin, northeastern South Australia. *Bulletin of the American Museum of Natural History* **13** (279): 541–555.
106. Milne, D. J., **Reardon, T. B.** and Watt, F. (2003). New records for the Arnhem sheath-tail bat *Taphozous kapalgensis* (Chiroptera: Emballonuridae) from voucher specimens and Anabat recordings. *Australian Zoologist* **32**: 439–445.
107. Kelaher, B. P. and **Rouse, G.W.** (2003). "The role of colonization in determining spatial patterns of *Proscoloplos bondi* sp. nov. (Orbiniidae, Annelida) in coralline algal turf." *Marine Biology* **143**: 909–917.
108. McPhedran, R. C., Nicorovici, N. A. and **Rouse, G. W.** . (2003). "Structural colours through photonic crystals." *Physica B* **338**: 182–185.
109. Pleijel, F. and **Rouse, G. W.** (2003). "Ceci n'est pas une pipe: names, clades, and phylogenetic nomenclature." *Journal of Zoological Systematics & Evolutionary Research* **41**: 162–174.
110. **Rouse, G. W.** and F. Pleijel (2003). "Current problems in polychaete systematics." *Hydrobiologia* **496**: 175–189.

111. **Rouse, G. W.** (2003). "Encounter 2002 expedition to the Isles of St Francis, South Australia: *Myzostoma australe* (Myzostomida), a new crinoid-associated worm from South Australia." *Trans. R. Soc. S. Aust.* **127**: 265-268.
112. **Rouse, G. W.** (2003). Vestimentifera. Grzimek's Animal Life Encyclopedia. Vol. 2: Protostomes. Sean F. Craig, Dennis A. Thoney, Neil Schlager, Joseph E. Trumpey and M. Hutchins, Gale Group: 91-96.
113. Rousset, V., **Rouse, G. W.** et al. (2003). "Molecular and morphological evidence of Alvinellidae relationships (Terebelliformia, Polychaeta, Annelida)." *Zoologica Scripta* **32**: 185-197.
114. Hyman, I. T., **Rouse, G. W.**, Ponder W. F., (2004). "Ophicardelus (Mollusca, Pulmonata) in eastern Australia: how many taxa?" *Journal of Natural History* **38**: 2377-2401.
115. Pleijel, F. and **Rouse, G. W.** (2004). Phyllodocida. The Tree of Life Web Project.
<http://tolweb.org/tree?group=Phyllodocida&contgroup=Annelida>
116. Pleijel, F. and **Rouse, G. W.** (2004). Hesionidae. The Tree of Life Web Project.
<http://tolweb.org/tree?group=Hesionidae&contgroup=Phyllodocida>
117. Pleijel, F. and **Rouse, G. W.** (2004). capricornia. The Tree of Life Web Project.
<http://tolweb.org/tree?group=capricornia&contgroup=Hesionidae>
118. **Rouse, G. W.** (2004). Class Polychaeta. In The Freshwater Invertebrates of Malaysia and Singapore. C. Yule: 194-206.
119. **Rouse, G. W.** (2004). "Annelid sperm and fertilization biology." *Hydrobiologia*: in press.
120. **Rouse, G. W.**, Goffredi, S. K. and Vrijenhoek, R. C. (2004). "Osedax: whalebone-eating tube worms with dwarf males." *Science*. **305**: 668-671
121. Siddall, M. E., Borda, E., and **Rouse, G. W.** (2004). Towards a Tree of Life for Annelida: In: *Assembling the Tree of Life*. (J. Cracraft and M. Donoghue, eds).Oxford University Press
122. **Scanlon, J. D.**, Archer, M., **Lee, M. S. Y.** (2003). Mid-Tertiary elapid snakes from northern Australia: early steps in a continent-wide adaptive radiation. *Geobios* **36**: 573-601.
123. Alarie, Y. & **Watts C. H. S.** (2003). Larval morphology of *Allomatus nannup* Watts (Coleoptera: Adephaga: Dytiscidae). *The Coleopterists Bulletin*, **57**(3) 255-264.

124. **Watts, C.H.S.**, and Humphreys, W. F. (2003). Twenty-five new Dytiscidae (Coleoptera) of the genera *Tjirtudessus* Watts & Humphreys, *Nirripirti* Watts & Humphreys and *Bidessodes* Regimbart from underground waters in Australia. *Records of the South Australian Museum* **36**: 135-187.
125. Chisholm, L. A., **Whittington, I. D.** and Fischer, A. B. P. (2004). A review of *Dendromonocotyle* (Monogenea: Monocotylidae) from the skin of stingrays and their control in public aquaria. *Folia Parasitologica* **51**: 123-130.
126. **Whittington, I. D.** (2004). The Capsalidae (Monogenea: Monopisthocotylea): a review of diversity, classification and phylogeny with a note about species complexes. *Folia Parasitologica* **51**: 109-122.
127. **Whittington, I. D.**, Armstrong W., Chisholm L. A. & Cribb B.W. (2004). A comparison of the anterior adhesive system in the oncomiracidium and adult of the monogenean parasite *Merizocotyle icopae* (Monocotylidae). *Parasitology Research* **93**: 223-229.
128. **Whittington, I. D.**, Deveney M. R., Morgan J. A. T., Chisholm L. A. and Adlard R. D. (2004). A preliminary phylogenetic analysis of the Capsalidae (Platyhelminthes: Monogenea: Monopisthocotylea) inferred from large subunit rDNA sequences. *Parasitology* **128**: 511-519.
129. Chisholm L. A. & **Whittington, I. D.** (2004). Two new species of *Dendromonocotyle* Hargis, 1955 (Monogenea: Monocotylidae) from the skin of *Taeniura meyeni* (Dasyatidae) and *Aetobatus narinari* (Myliobatidae) from aquaria in Queensland, Australia. *Systematic Parasitology* **57**: 221-228.
130. Cribb B. W. & **Whittington, I. D.** (2004). Anterior adhesive areas and adjacent secretions in the parasitic flatworms *Decacotyle lymmae* and *D. tetrakordyle* (Monogenea: Monocotylidae) from the gills of stingrays. *Invertebrate Biology* **123**: 68-77.
131. Cribb B., Armstrong W. and **Whittington I. D.** (2004). Simultaneous fixation using glutaraldehyde and osmium tetroxide or potassium ferricyanide-reduced osmium for the preservation of monogenean flatworms: an assessment for *Merizocotyle icopae*. *Microscopy Research & Technique* **63**: 102-110.
132. **Whittington I. D.** and Chisholm L. A. (2003). Biodiversity of marine parasites in Australia: more than just a list of largely invisible creatures. *Records of the South Australian Museum Monograph Series No. 7*: 51-60.

133. Chisholm L. A. and **Whittington I. D.** (2003). Invasion of the shovelnose ray (*Rhinobatos typus*) by *Neoheterocotyle rhinobatidis* and *Merizocotyle icopae* (Monogenea: Monocotylidae). *Parasitology* **127**: 561-570.
134. Cribb B. W., Chisholm L. A., Gould R. & **Whittington I. D.** (2003). Morphology, ultrastructure and implied function of ciliated sensory structures on the developmental stages of *Merizocotyle icopae* (Monogenea: Monocotylidae). *Microscopy Research & Technique* **62**: 267-276.
135. **Whittington, I. D.** & Chisholm L. A. (2003). Diversity of Monogenea from Chondrichthyes: do monogeneans fear sharks? In: Taxonomie, écologie et évolution des métazoaires parasites. Taxonomy, ecology and evolution of metazoan parasites. (Livre hommage à Louis Euzet). Combes C & Jourdane J (eds). Tome 2, pp. 339-363, Presse Université de Perpignan, France.
136. Kearns, G. C., **Whittington, I. D.** and Evans-Gowing R. (2003). Striated (stratified) muscle and the operation of the ventral hamuli in the ancyrocephaline monogenean *Chauhanellus australis* from the gills of the blue catfish, *Arius graeffei*. In: *Taxonomie, écologie et évolution des métazoaires parasites. Taxonomy, ecology and evolution of metazoan parasites. (Livre hommage à Louis Euzet)*. Combes C & Jourdane J (eds). Tome 1, pp. 381-396, Presse Université de Perpignan, France.
137. **Whittington, I. D.** (2003). The Capsalidae (Monogenea): classification, phylogeny, identity and biology. 6th International Symposium on Fish Parasites, September 22-26 2003, University of the Free State, Bloemfontein, South Africa. (Abstract with program, p. 55).
138. Ernst, I., Chambers, C. and **Whittington, I. D.** (2003). Efficient management of monogenean parasites of kingfish and yellowtail (*Seriola* spp.): contrasting challenges for established and emerging industries. Annual Scientific Meeting of the Australian Society for Parasitology Inc., July 6-10 2003, Darwin, Northern Territory, Australia. (Abstract with program, contribution S14).
139. Gershwin, L. and **Zeidler, W.** (2003). Medusae, siphonophores and ctenophores of the Nuyts Archipelago. *Transactions of the Royal Society of South Australia* **127**(2): 205-241.
140. **Zeidler, W.** (2003). A review of the hyperiidean amphipod superfamily Vibilioidea Bowman and Gruner, 1973 (Crustacea: Amphipoda: Hyperiidea). *Zootaxa* **280**: 1-104.
141. **Zeidler, W.** (2004) A review of the hyperiidean amphipod superfamily Lycaeopsoidea Bowman and Gruner, 1973 (Crustacea: Amphipoda: Hyperiidea). *Zootaxa* **520**: 1-18.
142. **Zeidler, W.** and Gershwin, L (2004). A new species of *Australomedusa* (Cnidaria: Hydrozoa: Anthomedusae) from a saline lake in south-western Western Australia. *Records of the Western Australian Museum* **22**(2): 109-113.

SOUTH AUSTRALIAN MUSEUM

2003-2004

4. STAFF LIST

DIRECTORATE

DIRECTOR

T. Flannery, B.A., MSc., Ph.D

GENERAL MANAGER

S. Riley, B.A.(Hons)

DIRECTOR'S PERSONAL ASSISTANT

V. Komar

GENERAL MANAGER'S EXECUTIVE ASSISTANT

A. Harkness, B.Bus.

BUSINESS MANAGER

P. Kidd

STORES/TRANSPORT OFFICERS

S. Perkins

M. Birch

MARKETING SECTION

PUBLICITY AND PROMOTIONS OFFICER

B. Bocson, B.A., Comm. St.

VENUE HIRE/ FACILITIES

MANAGEMENT COORDINATOR

L. Falletti

SOUTH AUSTRALIAN MUSEUM SHOP

MANAGER

L. Schubert, Dip. Art & Craft

ASSISTANT MANAGER

B. Porteous

SHOP ASSISTANTS

S. Lucas – part time / casual

C. Le Duc – part time

R. Palfry – part time

A. Taylor

R. Kidd

A. Jackson

M. Canario

S. Lockyer

M. Allender

PUBLIC PROGRAMS

HEAD OF PUBLIC PROGRAMS

S. Riley, B.A. (Hons)

ADMINISTRATIVE COORDINATORS

G. Stacy

K. Tucker

M. Harniman

TOURING EXHIBITIONS

MANAGER, TOURING EXHIBITIONS

M. Judd, B.Sc., Grad.Dip.T.

EDUCATION & VISITOR SERVICES

MANAGER, EDUCATION & VISITOR SERVICES

R. Glow

SENIOR EDUCATION OFFICERS

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

Grad.Dip.Ed.Admin

C. Nobbs, Adv.Dip.T

INFORMATION OFFICER

A. Guy (to 30 April)

K. Tucker (from 3 May)

CULTURAL INSTRUCTOR

E. Fisher (part time) provisioned by

Newmont Australia

SUPERVISOR, DISCOVERY CENTRE

M. Gemmell

DEVELOPMENT & DESIGN

MANAGER, DEVELOPMENT & DESIGN

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

SENIOR EXHIBITION OFFICER

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

SUPERVISOR, MULTIMEDIA & IMAGING

Peters, BA.Fine Art

SUPERVISOR 3D DESIGN

J. Bain

INDIGENOUS SERVICES

MANAGER, INDIGENOUS SERVICES

I. James, B.A.

INFORMATION OFFICERS

T. Dodd

A. Abdullah–Highfold

S. Agius

M. Clancy

SCIENCE

HEAD OF SCIENCE

R. Hill, BSc(Hons),Ph.D.,DSc., FAI.Biol,
FLS

MANAGER OF SCIENCE

P. Clarke, B.Sc., BA. PhD.

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

P. Manning, B.A.(Hons)

ADMIN. COORDINATORS

D. Churches (part-time)

K. McPhail

M. Harniman

A. Faulkner

INFORMATION SERVICES

LIBRARY

LIBRARY SERVICES OFFICER

J. Evans

ARCHIVES

ARCHIVIST

F. Zilio, B.A., MIMS (Monash)

ARCHIVES ACCESS OFFICER

L. Gardam (to 23 April)

A. Guy (from 3 May)

TINDALE ARCHIVIST

J. Thimke, B.A., MLIS (to 19 Dec)

D. Gluvakovic (from 7 June)

ANTHROPOLOGY

HEAD OF ANTHROPOLOGY

P. Clarke, B.Sc., B.A., Ph.D.

SENIOR RESEARCHER

P. Jones, L.L.B., B.A.(Hons), Ph.D.

MANAGER, ABORIGINAL

COLLECTIONS

P. Manning, B.A. (Hons)

RESEARCHER

B. Craig, B.A.(Hons), Dip.Ed., M.A.(Hons),
Ph.D.

COLLECTION MANAGER

A. Vlavogelakis, B.A., Grad.Dip.Mus.St.
M.A.

EARTH SCIENCES

PRINCIPAL RESEARCHER

A. Pring, B.Sc. (Hons), Ph.D., FMSA,
FMinSoc

RESEARCHER

J. Brugger, B.Sc.(Hons) Ph.D.

SENIOR RESEARCHER

M. Lee, B.Sc.(Hons), Ph.D.

B. Kear , B.Sc.

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)

TERRESTRIAL INVERTEBRATES

SENIOR COLLECTION MANAGER

J. Forrest OAM, Assoc. Dip. (Photo.)

COLLECTION MANAGER

D. Hirst

ASSISTANT COLLECTION MANAGER

C. Lee

COLLECTION MANAGER

J. Berentson, B.A., B.Sc. (part time)

PARASITOLOGY

PRINCIPAL RESEARCHER

I. Whittington B.Sc.(Hons) Ph.D.

RESEARCH ASSOCIATE

L. Chisolm B.Sc., M.Sc., PhD.

MARINE INVERTEBRATES

SENIOR RESEARCHER

G. Rouse, B.Sc., M.Sc., Ph.D.

RESEARCHER

G. Walker-Smith, B.Sc.(Hons), Ph.D.(grant
funded)

COLLECTION MANAGER

T. Laperousaz B.Sc (Hons)

COLLECTION MANAGER

R. Hamilton Bruce, A.I.A.T., A.B.P.I., Dip.
Graph. Dsgn.

ASSISTANT COLLECTION MANAGER

C. Lee

VERTEBRATES DEPARTMENT

HERPETOLOGY

RESEARCHER

M. Hutchinson, B.Sc.(Hons), Ph.D.

COLLECTION MANAGER

C. Secombe

MAMMALOLOGY

RESEARCHER

C. Kemper, B.Sc., Ph.D.

ASSISTANT COLLECTION MANAGER

D. Stemmer, B.Sc.

CASUAL POOL - BOLIVAR

R. Gobel

ORNITHOLOGY

SENIOR COLLECTION MANAGER

P. Horton, B.Sc.(Hons), Ph.D.

COLLECTION MANAGER

M. Penck B.Sc.(Hons) (family leave)

ASSISTANT COLLECTION MANAGER

D. Churches – part time

EVOLUTIONARY BIOLOGY

SENIOR RESEARCHER

S. Donnellan, B.Sc.(Hons), Ph.D

RESEARCHER

M. Adams, B.Sc. (Hons)

RESEARCHER

S. Cooper, B.Sc.(Hons), Ph.D.

TECHNICAL OFFICERS

T. Reardon, Cert.Sc.Tech.

T. Bertozzi, B.Sc.

K. Saint

R. Foster

RESEARCHER

R. Leijs, B.Sc.(Hons) (grant funded)

HONORARY RESEARCH ASSOCIATES

A. Austin BSc, Ph.D.(Evolutionary Biology)

S. Barker, Ph.D. (Entomology)

I. Beveridge, BSc, Ph.D.

A. Black, Ph.D. (Ornithology)

D. Corbett, Ph.D. (Mineralogy)

C. Daniels, B.Sc., Ph.D. (Paleontology)

H. Eckert (Ornithology)

R. Fisher, OAM, A.U.A. (Entomology)

J. Gehling, B.Sc., M.Sc. Ph.D. (Mineralogy)

P. Greenslade, M.A. (Entomology)

G. Gross, B.Sc., M.Sc., D.Sc. (Curator

Emeritus, Entomology)

J. Jago (Earth Science)

R. Jenkins, B.Sc. (Hons), Ph.D.

(Palaeontology)

G.R. Johnston, PhD, B.Sc.(Evolutionary Biology)

B. Jones

R. Lavigne, Ph.D. (Entomology)

E. Matthews, B.A., Ph.D. (Entomology)

G. Medlin, B.Sc., Dip.T. (Mammalogy)

A. McArthur, OAM, B.E. (Entomology)

M. McBriar, OAM, M.Sc (Mineralogy)

M. O'Donoghue, B.Ed., Grad Dip Rel Ed.

M.Ed.(Foreign Ethnology)

P. Parsons

N. Pledge, B.Sc. (Hons), M.Sc.

(Palaeontology)

G.J. Prideaux , Ph.D. (Palaeontology)

S. Richards , BA (Hons) (Herpetology)

S. Shepherd, B.A., LL.B., M.Env.St., Ph.D.,

(Marine Invertebrates)

M. Snow, B.Sc., Ph.D. (Mineralogy)

A. Szalay, B.A., Ph.D. (Foreign Ethnology)

K. Tabawebulla, Ph.D. (Foreign Ethnology)

M. Tyler AO, M.Sc., (Herpetology)

C. Watts, B.Sc.(Hons), Ph.D. (Entomology)

R. Wells B.Sc.(Hons) Ph.D.,

(Palaeontology)

W. Zeidler, B.Sc.(Hons) M.Sc.(Marine

Invertebrates)

M. Zbik, M.Sc., Ph.D. (Mineralogy)

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

EMPLOYEE NUMBERS, GENDER AND STATUS

Details of employment in the South Australian Museum as at June 30 2004 are provided in the tables below:

Persons	81
----------------	----

FTE's	70.82
--------------	-------

Gender	% Persons	% FTEs
Male	53.09	56.35
Female	46.91	43.65

Number of persons separated from the agency during the 03/04 financial year	19
--	----

Number of persons recruited to the agency during the 03/04 financial year	29
--	----

Number of persons on leave without pay at 30 June 2004	2
---	---

Number of Employees by Salary Bracket			
Salary Bracket	Male	Female	Total
\$0 - \$38000	9	19	28
\$38001 - \$49000	10	11	21
\$49001 - \$64000	16	8	24
\$64001 - \$83000	6	0	6
\$83001+	2	0	2
TOTAL	43	38	81

Status of Employees in Current Position					
	FTE's				
	Ongoing	Short-Term Contract	Long-Term Contract	Casual	Total
Female	25.27	3	1	1.64	30.91
Male	30.53	2.6	6.1	0.68	39.91
TOTAL	55.8	5.6	7.1	2.32	70.82
	Persons				
	Ongoing	Short-Term Contract	Long-Term Contract	Casual	Total
Female	28	3	1	6	38
Male	31	3	7	2	43
TOTAL	59	6	8	8	81

Number of Executives by Status in Current Position, Gender and Classification									
Classification	Ongoing		Contract Tenured		Contract Untenured		Total		
	Male	Female	Male	Female	Male	Female	Male	Female	Total
EXEC A	0	0	0	0	1	0	1	0	1
EXEC B	0	0	0	0	1	0	1	0	1
TOTAL	0	0	0	0	2	0	2	0	2

Average Days Leave Taken Per Full Time Equivalent Employee				
Leave Type	2000-2001	2001-2002	2002-2003	2003-2004
Sick Leave Taken	3.95	4.2	4.92	3.84
Family Carer's Leave Taken	0.31	0.37	0.30	0.23
Special Leave with Pay	Not applicable	Not applicable	0.44	0.33

Note:

Special Leave with Pay is outlined in PSM Act Determination 6. It includes leave for unscheduled absences other than for the following reasons: Sick Leave, Industrial Disputes, Workers Compensation, Maternity Paid Leave, Adoption Leave, and Family Carers Leave.

WORKFORCE DIVERSITY

Age Profile

Number of employees by age bracket by gender					
Age Bracket	Female	Male	Total	% of Total	South Australian Workforce*
15-19	0	0	0	0	0
20-24	7	0	7	8.64	10.7
25-29	5	4	9	11.11	10.2
30-34	4	1	5	6.17	11.2
35-39	4	5	9	11.11	11.4
40-44	5	9	14	17.28	13.3
45-49	5	10	15	18.52	12.0
50-54	1	6	7	8.64	10.7
55-59	5	6	11	13.58	7.7
60-64	2	1	3	3.7	3.6
65+	0	1	1	1.23	2.0
TOTAL	38	43	81	100	100.0

As at March 2004 from ABS Supertable LM8

Indigenous Employees

Number of Aboriginal and/or Torres Strait Islander Employees					
	Male	Female	Total	% of Agency	Strategic Benchmark*
Aboriginal/Torres Strait Islander	3	3	6	7.41	2.0%

* Benchmark from State Strategic Plan

Cultural and Linguistic Diversity

Cultural and Linguistic Diversity					
	Male	Female	Total	% of Agency	SA Community*
Number of employees born overseas	8	5	13	16.05	20.3%
Number of employees who speak language(s) other than English at home	11	11	22	27.16	15.5%
TOTAL	19	16	35	27.16	

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

Disability

Number of Employees with Ongoing Disabilities Requiring Workplace Adaptation				
	Male	Female	Total	% of Agency
TOTAL	1	0	1	1.02

Voluntary Flexible Working Arrangements

Number of Employees Using Voluntary Flexible Working Arrangements by Gender			
	Male	Female	Total
Purchased Leave	0	0	0
Flexitime	35	31	66
Compressed Weeks	1	0	1
Part-time Job Share	1	2	3
Working from Home	0	0	0

TRAINING AND DEVELOPMENT

Documented Individual Performance Development Plan			
Salary Bracket	% with a plan negotiated within the past 12 months	% with a plan older than 12 months	% with no plan
\$0 - \$38000	13.1%	73.7%	15.8%
\$38001 - \$49000	13.1%	72.2%	5%
\$49001 - \$64000	46.2%	42.3%	3%
\$64001 - \$83000	50%	50%	0%
\$83001+	50%	50%	0%
TOTAL	33.3%	62%	5%

Training Expenditure as a Percentage of Total Remuneration Expenditure by Salary Bands			
	Target 03/04	Actual 03/04	Target 04/05
TOTAL	3%	1.46%	3%

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

OHS&IM SUMMARY

During 2003-2004, Occupational Health, Safety, Welfare and Injury Management continued to be an area of major focus throughout Arts SA. The organisation is committed to providing a safe work environment and the Agencies within Arts SA have continued to share information and resources to ensure the effective management and continuous improvement of the OHSW and IM System.

A WorkCover audit of Arts SA and its associated agencies was conducted between 15 and 22 December 2003. The audit found that Arts SA has continued to develop, improve and implement its OHSW and IM System and acknowledged the considerable improvements achieved during 2003.

Key achievements / actions for 2003-2004 included:

- The Arts Central Consultative Committee undertook a major review of the Arts SA OHS&W Action Plan. The plan outlines actions and targets for the 14 key areas of the OHS&W Management System.
- Additional funding of \$500,000 was allocated to address the most urgent facilities maintenance issues impacting on OHS&W. Increased facilities maintenance funding is also planned 2004-05.
- Commencement of an internal audit program – resulting in 38 employees being trained as internal auditors conducting in excess of 100 internal audits.
- Continuation of training program including training of employees, managers, committees, Health & Safety Representatives, Fire Wardens and First Aid Officers.
- In January 2004, injury management work was outsourced to the Department of Administrative and Information Services providing Arts SA with access to greater expertise in injury management and rehabilitation.
- As a result of audits, investigations and hazard reports over 400 corrective actions have been identified throughout Arts SA with 50% of these completed as at 30th June.

In support of the overall Arts SA activity as outlined above, the Museum has maintained regular meetings of its own OHS&W Committee throughout the review period.

This Committee has identified a number of issues specific to the Museum's operations in such areas as field research trips, marine diving and management of hazardous substances. Each of these issues are being progressed within the overall framework of Arts SA to achieve improved and satisfactory OHS&W outcomes.

Note: For further information on OHS&W refer to Appendix B.

APPENDIX B - OCCUPATIONAL HEALTH AND SAFETY INFORMATION

		2003/04	2002/03	2001/02
1	OHS legislative requirements			
	Number of notifiable occurrences pursuant to OHS&W Regulations Division 6.6	Nil	Nil	Nil
	Number of notifiable injuries pursuant to OHS&W Regulations Division 6.6	Nil	Nil	Nil
	Number of notices served pursuant to OHS&W Act s35, s39 and s40	Nil	Nil	Nil
2	Injury Management legislative requirements			
	Total number of employees who participated in the rehabilitation program	1	Nil	1
	Total number of employees rehabilitated and reassigned to alternative duties	1	Nil	Nil
	Total number of employees rehabilitated back to their original work	0	Nil	1
3	WorkCover Action Limits			
	Number of open claims as at 30 June	3	3	5
	Percentage of workers compensation expenditure over gross annual remuneration	3.06	0.32	1.5
4	Number of claims			
	Number of new workers compensation claims in the financial year	1	1	3
	Number of fatalities, lost time injuries, medical treatment only	(F) 0 (MTO) 0 (LTI) 1	0 0 1 0	0 2 1
	Total number of whole working days lost	187	30	27
5	Cost of workers compensation			
	Cost of new claims for financial year	64,054	727	16,481
	Cost of all claims excluding lump sum payments	72,075	11,395	45,023
	Amount paid for lump sum payments (s42, s43, s44)	39,664	Nil	Nil
	Total amount recovered from external sources (s54)	2,488	Nil	Nil
	Budget allocation for workers compensation	28,000	33,000	35,000
6	Trends			
	Injury frequency rate for new lost-time injury/disease for each million hours worked	7.2	N/A	17
	Most frequent cause (mechanism) of injury	81	61, 12, 02, 63	92, 62, 11
	Most expensive cause (mechanism) of injury	81	N/A	62

Mechanism 02 = Falls on the same level

Mechanism 12 = Hitting moving objects

Mechanism 61 = Single contact with chemical or substance

Mechanism 62 = Long term contact with chemicals or substances

Mechanism 63 = Insect and spider bites and stings

Mechanism 81 = Exposure to mental stress factors

Mechanism 92 = Vehicle Accident

CONSULTANTS – 2003-2004

Value	Number	Name	Services	Total Expenditure
Below \$10 000	1	Phocus	Provision of information & data for preparation of the draft survey standards for threatened species	\$300
\$10 000 \$50 000	NIL			
Over \$50 000	NIL		TOTAL	\$300

OVERSEAS TRAVEL

Number of Employees	Destination/s	Reason for Travel	Total Cost to Agency
1	USA	Attend Willi Hennig Society meeting in New York Botanic Gardens, undertake research, complete manuscript and attend conference in Boston	\$9 000
1	Japan	Attend first Okazaki Conference – “Biology of Extinction”	\$6 000
1	Germany & UK	Undertake mineralogical experiments at University of Cambridge and Rutherford Appleton Laboratory	\$5 500
		TOTAL	\$20.500

EQUAL EMPLOYMENT OPPORTUNITY PROGRAMS

Regrettably, owing to pressures of operating costs throughout the review period the Museum was unable to undertake hiring within any Indigenous and/or Youth Employment programs.

ACCOUNT PAYMENT PERFORMANCE

	Number of Accounts Paid	% of Total Accounts Paid	Value of Accounts Paid	% \$ of Total Accounts Paid
Paid by Due Date*	3,810	87%	\$3,234,162	85%
Paid Late & Paid < 30 Days from Due Date	363	8%	\$434,736	11%
Paid Late & Paid > 30 Days from Due Date	206	5%	\$162,639	4%
Total Accounts Paid	4,379	100%	\$3,831,537	100%
Paid by Due Date*	3,810	87%	\$3,234,162	85%

*Unless there is a discount or written agreement between the public authority and the creditors, payment should be within thirty days of the date of the invoice or claim

FRAUD AND LEGISLATIVE COMPLIANCE

No frauds or suspected frauds have occurred to the knowledge of the management of the South Australian Museum. 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.

DISABILITY ACTION PLAN

The Museum continued to work closely with Arts SA on monitoring its overall performance relating to disability action.

An internal disability audit provided positive feedback in regard to the ease of Museum access. This positive audit finding is consistently supported by the regular attendance of a range of visitors with disabilities, often accompanied by carers.

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 docketts are registered in a database system and held in the Administration Section. Docketts 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 and Procedures relating to Collections Management', 'Policy on Human Skeletal Remains Collection', 'Exhibition Policy Guidelines', 'Publications Policy', 'Honorary Appointments', 'Guidelines for the Acquisition, Operation and Management of Computers in the Museum', and 'Access to Personal Information – 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 2003/2004.

Museum Board

STATEMENT OF FINANCIAL PERFORMANCE

For the Year Ended 30 June 2004

	Note	2004	2003
	Number	\$'000	\$'000
Revenues from Ordinary Activities			
Revenue from SA Government – Recurrent Operating Grant		7,356	7,328
Revenue from SA Government – Capital Grant		424	1,654
Grant from the Commonwealth Government		230	541
Sale of Goods		433	568
User Charges		385	214
Donations		786	611
Sponsorships		454	169
Interest		125	88
Other	3	891	1,801
Total Revenue from Ordinary Activities		11,084	12,974
8. Expenses from Ordinary Activities			
Employee Expenses	4	4,488	4,147
Supplies and Services	5	3,362	3,389
Accommodation and Facilities	6	2,194	2,009
Depreciation	7	987	989
Total Expenses from Ordinary Activities		11,031	10,534
Operating Profit from Ordinary Activities		53	2,440
Non-Owner Transaction Changes in Equity:			
Increase in the Asset Revaluation Reserve		-	12,436
Increase in Retained Earnings to recognise assets brought to account for the first time	14	-	69,215
Total Valuation Adjustments Recognised Directly in Equity		-	81,651
Changes in Equity other than those resulting from transactions with the State Government as Owner		53	84,091

Museum Board

STATEMENT OF FINANCIAL POSITION

As at 30 June 2004

	Note	2004	2003
	Number	\$'000	\$'000
Current Assets			
Cash	18	2,543	2,341
Receivables		210	180
Inventories		141	151
Other		199	209
Total Current Assets		3,093	2,881
9. Non-Current Assets			
Property, Plant and Equipment	9	34,985	35,445
Heritage Collections	10	110,855	110,209
Total Non-Current Assets		145,840	145,654
Total Assets		148,933	148,535
Current Liabilities			
Payables	11	309	138
Employee Benefits	12	360	293
Provision for Workers Compensation	13	31	24
Total Current Liabilities		700	455
10. Non-Current Liabilities			
Payables	11	80	70
Employee Benefits	12	696	610
Provision for Workers Compensation	13	72	68
Total Non-Current Liabilities		848	748
Total Liabilities		1,548	1,203
Net Assets		147,385	147,332
11. Equity			
Retained Profits	14	133,428	133,375
Asset Revaluation Reserve	14	13,957	13,957
Total Equity		147,385	147,332
Commitments for Expenditure	16		
Contingent Liabilities and Assets	17		

Museum Board

STATEMENT OF CASH FLOWS

For the Year Ended 30 June 2004

	Note	2004	2003
	Number	\$'000	\$'000
Cash flows from Operating Activities			
Cash Inflows			
Receipts from SA Government – Recurrent Operating Grant		7,356	7,328
Receipts from SA Government – Capital Grant		424	1,654
Grants from the Commonwealth Government		230	541
Sale of Goods		431	579
User Charges		385	214
Donations		141	103
Sponsorships		424	169
Interest		122	85
Other		895	1,746
Total Inflows from Operating Activities		10,408	12,419
12. Cash Outflows			
Payments to employees		(4,311)	(3,837)
Payments to suppliers		(3,341)	(3,384)
Accommodation and Facilities		(2,165)	(2,113)
Total Outflows from Operating Activities		(9,817)	(9,334)
Net Cash Inflows from Operating Activities	18	591	3,085
13. Cash flows from Investing Activities			
Cash Outflows			
Payments for Property, Plant and Equipment		(388)	(1,724)
Payments for Heritage Collections		(1)	(116)
Total Outflows from Investing Activities		(389)	(1,840)
Net Cash Outflows from Investing Activities		(389)	(1,840)
Net Increase in Cash Held		202	1,245
Cash at the Beginning of the Financial Year		2,341	1,096
Cash at the End of the Financial Year	18	2,543	2,341

NOTES TO THE FINANCIAL STATEMENTS

Note 1. Objectives of the Museum Board (The Board)

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

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

Note 2. Summary of Significant Accounting Policies

2.1 Basis of Accounting

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

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

The Board's Statement of Financial Performance and Statement of Financial Position 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.

2.2 The Reporting Entity

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

2.3 Changes in Accounting Policies

- *Impact of Adopting Australian Equivalents to International Financial Reporting Standards*

Australia will be adopting the Australian equivalents to International Financial Reporting Standards (AIFRS) for reporting periods commencing on or after 1 January 2005. The Board will adopt these standards for the first time in the published financial report for the financial year ended 30 June 2006.

Managing the Process

The Board's financial services are provided through a service level agreement with Arts SA, Business Services, a unit of the Department of the Premier and Cabinet. Business Services is coordinating the adoption of the Australian equivalents to the International Financial Reporting Standards in conjunction with the Department of Treasury and Finance (DTF).

To obtain an understanding of the new standards and the resulting effect on the financial reports, representatives from Business Services attend information forums facilitated by DTF, professional bodies and private sector accountancy firms. Business Services representatives attend the Exposure Draft Reference Group meetings, which review Exposure Drafts released by the Australian Accounting Standards Board (AASB), provide comment and feedback to the AASB on the content of the Exposure Drafts and the resulting pending Standards.

The Board will also adopt the DTF Model Financial Report for SA Government entities as from 30 June 2005 which will comply with Generally Accepted Accounting Principles (GAAP), Australian Accounting Standards, Treasurer's Instructions and Accounting Policy Statements.

Business Services is reviewing and analysing Exposure Drafts and pending Australian Accounting Standards for expected differences in accounting policies as a result of the adoption of the Australian equivalents to the IFRS. A project plan has been prepared which identifies key activities to be undertaken to adopt the AIFRS, and the working papers required by AASB 1 *First-Time Adoption of the Australian International Financial Reporting Pronouncements*.

Expected differences in accounting policies

The key differences in accounting policies applied to the Board's financial reports expected to result from the adoption of the Australian equivalents to the IFRS are outlined below.

- *Changes in Accounting Policies*

The pending accounting standard, AASB 1 *First-Time Adoption of Australian Equivalents to International Financial Reporting Pronouncements*, will now require the retrospective application of changes in accounting policies. This requires the restatement of comparative information except for specific exemptions as listed in AASB 1. This is a major difference in accounting policy.

14. Non-Current Asset Acquisition and Recognition

- *Non-Current Asset Acquisition and Recognition*

Pending accounting standard AASB 116 *Property, Plant and Equipment* is proposing that Not-For-Profit entities are required to be revalued on an individual basis rather than by class of asset. DTF has indicated that an Accounting Policy Statement may be issued to require revaluation on an asset class basis and on cost versus useful life basis, rather than an individual basis.

- *Employee Benefits*

Pending accounting standard AASB 119 *Employee Benefits* is proposing that Employee Benefits, including long service leave and annual leave, payable later than twelve months from the end of the financial year, are to be measured at present value. Currently under the existing accounting standard AASB 1028 *Employee Benefits*, employee benefits payable later than twelve months are measured at nominal amounts.

2.4 Revenue

Revenue 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. Revenue from the rendering of a service is recognised upon the delivery of the service to the customers. Government Grants are recognised as revenues in the period in which the Board obtains control over the grants.

2.5 Acquisition of Assets

The cost method of accounting is used for the initial recording of all acquisitions of assets required after 1 July 1996. 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 market value.

2.6 Valuation of Non-Current Assets

The Board, in accordance with the transitional provisions of Australian Accounting Standard AASB 1041 *Revaluation of Non-Current Assets* and Accounting Policy Statement No. 3 *Valuation of Non-Current Assets*, has continued to apply the deprival value methodology as the basis of valuing its non-current assets, with the exception of Heritage Assets, until 30 June 2005.

LAND AND BUILDINGS

Land and buildings have been valued at replacement cost. Valuations of land and buildings were determined as at 30 June 2002 by the Australian Valuation Office. Land and buildings are independently valued every three years.

PLANT AND EQUIPMENT

Plant and equipment, including computer equipment, has been valued at cost of acquisition.

HERITAGE COLLECTIONS

The Museum Board collections were revalued as at 30 June 2003 using the valuation methodology outlined below in accordance with fair value principles adopted under Australian Accounting Standard AASB 1041 "Revaluation of Non-Current Assets".

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 Collections 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 items have been valued to 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

Collections deemed to be culturally sensitive including human remains or 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.

2.7 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	Useful life depends on individual asset
Plant and Equipment	5 to 15 Years
Computer Equipment	3 to 5 Years

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

2.8 Inventories

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

2.9 Employee Benefits

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

143. Liabilities for wages, salaries and annual leave have been recognised as the amount unpaid at the reporting date. The liabilities have been calculated at nominal amounts based on current wage and salary rates and a salary inflation rate of 4% as determined by the Department of Treasury and Finance.

(ii) *Long Service Leave*

144. A liability for long service leave has been recognised which represents the amount which the Board has a present obligation to pay resulting from employees' services provided up to the reporting date. The liability has been calculated at nominal amounts based on current wage and salary rates using a benchmark of 7 years of service and a salary inflation rate of 4% as determined by the Department of Treasury and Finance.

(iii) *Superannuation*

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

2.10 Workers Compensation Provision

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

2.11 Leases

The Museum Board has entered into a number of operating lease agreements for accommodation and vehicles where the lessors effectively retain all of the risks and benefits incidental to ownership of the items held under the operating leases.

Operating lease payments are representative of the pattern of benefits derived from the leased assets and accordingly are charged to the Statement of Financial Performance in the periods in which they are incurred.

2.12 Cash Assets

For the purposes of the Statement of Cash Flows, cash includes cash at bank and cash on hand. Cash is measured at nominal value.

2.13 Comparative Figures

Comparative figures have been adjusted to conform to changes in presentation in these financial statements where required in 2003-2004.

2.14 Accounting for the Goods and Services Tax (GST)

In accordance with the requirements of the Urgent Issues Group UIG Abstract 31 *Accounting for the Goods and Services Tax (GST)* revenues, 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. There are no cash flows relating to GST transactions with the Australian Taxation Office in the Statement of Cash Flows.

2.15 State Government Funding

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

2.16 Rounding

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

2.17 Current and Non-Current Items

Assets and liabilities are characterised as either current or non-current in nature. The Board has a clearly identifiable operating cycle of 12 months. Therefore assets and liabilities that will be realised as part of the normal operating cycle will be classified as current asset or current liabilities. All other assets and liabilities are classified as non-current.

2.18 Payables

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

Creditors and accrued expenses represent goods and services provided by other parties during the period that are unpaid at the end of the reporting period. All amounts are measured at their nominal amount and are normally settled within 30 days in accordance with Treasurer's Instruction No. 8 *Expenditure for Supply Operations and Other Goods and Services* after the Board receives an invoice.

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

2.19 Insurance

The Board has arranged, through the SA Insurance Corporation, to insure all major risks of the authority. The excess payable under this arrangement varies depending on each class of insurance held.

Note 3. Other Revenues from Ordinary Activities

	2004	2003
	\$'000	\$'000
Rent	51	47
State Government Grant	287	445
Other Grants	130	160
Recoup Recoverables	166	183
Bequests	-	800
Other	257	166
Total Other Revenues from Ordinary Activities	891	1,801

Note 4. Employee Expenses

	2004	2003
	\$'000	\$'000
Wages and Salaries	3,636	3,233
Superannuation and payroll tax	614	548
Annual and Long Service leave	185	326
Other employee related expenses	53	40
Total Employee Expenses	4,488	4,147

Remuneration of Employees

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

	Number of Employees	Number of Employees
	2004	2003
\$100,000 - \$109,999	1	1
\$140,000 - \$149,999	-	1
\$170,000 - \$179,999	1	-
Total Number of Employees	2	2

The table includes all employees whom received remuneration of \$100,000 or more during the year. The total remuneration received by these employees for the year was \$281,900 (\$248,000).

Targeted Voluntary Separation Packages (TVSPs)

There were no TVSPs paid in either 2003-2004 or 2002-2003.

Average number of employees during the reporting period: On average, the number of full time equivalents employed throughout the reporting period was 68 (69).

Remuneration of Board Members

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

	Number of Board Members 2004	Number of Board Members 2003
\$0 - \$9,999	8	8
\$10,000 - \$19,999	-	-
Total Number of Board Members	8	8

The total income received by these Board Members for the year was \$37,600 (\$37,000).

Related Party Disclosures

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

Mr John Ellice Flint, Chair (from 18 July 2002), Dr A Lloyd (until 1 January 2004), Mr A Simpson, Assoc Prof M Sedgley, Mr P Ah Chee, Ms S Cookson, Ms P Capaldo and Mr R Edwards.

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 favourable than those with which it is reasonably expected the entity would have adopted if the transactions were undertaken with any other entity at arm's length in similar circumstances.

Note 5. Supplies and Services

	2004 \$'000	2003 \$'000
Insurance and Risk Management	369	397
Cost of Goods Sold	236	356
Marketing	259	155
Administration	532	592
IT Services & Communications	277	286
Maintenance	88	30
Collections	267	151
Exhibitions	182	278
Research	247	325
Travel & Accommodation	85	108

Contractors	309	269
Motor Vehicle Expenses	70	84
Minor Equipment	130	83
Other	311	275
Total Supplies and Services	3,362	3,389

Payments to Consultants

The dollar amount of Consultancies paid/payable that fell within the following band:

	Number of Consultants 2004	Number of Consultants 2003
\$0 - \$10,000	1	1
Above \$50,000	-	-
Total Number of Consultancies	1	1

The total amount paid/payable to Consultants in 2003-2004 was \$300 (\$2,000).

Note 6. Accommodation and Facilities

	2004 \$'000	2003 \$'000
Accommodation	660	608
Facilities	972	779
Security	562	622
Total Accommodation and Facilities	2,194	2,009

Note 7. Depreciation

	2004 \$'000	2003 \$'000
Buildings and improvements	906	905
Plant and equipment	73	71
Computer equipment	8	13
Total Depreciation	987	989

Note 8. Auditor's Remuneration

	2004 \$'000	2003 \$'000
Audit Fees paid/payable to the Auditor-General's Department	21	22
Total Audit fees	21	22

Other Services

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

Note 9. Property, Plant and Equipment

	2004			2003		
	Gross Value	Accum. Deprec.	Written Down Value	Gross Value	Accum. Deprec.	Written Down Value
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Land, buildings and improvements						
- at valuation	56,537	23,777	32,760	56,537	22,933	33,604
- at cost	1,539	62	1,477	1,515	-	1,515
Work in Progress	503	-	503	-	-	-
Plant and equipment – at cost	1,298	1,057	241	1,298	984	314
Computer equipment – at cost	83	79	4	120	108	12
Total Property, Plant and Equipment	59,960	24,975	34,985	59,470	24,025	35,445

Reconciliation of Carrying Amounts of Property, Plant and Equipment

	Land, Buildings & Improvements	Plant & Equipment	Computer Equipment	Total
	\$'000	\$'000	\$'000	\$'000
Carrying Amount at 1 July	35,119	314	12	35,445
Additions	24	-	-	24
Disposals	-	-	(37)	(37)
Depreciation expense	(906)	(73)	29	(950)
Work in Progress	503	-	-	503
Carrying Amount at 30 June	34,740	241	4	34,985

Note 10. Heritage Collections

	2004			2003		
	At Valuation	At Cost	Total	At Valuation	At Cost	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Social/Industrial History	222	-	222	222	-	222
Australian Aboriginal Ethnographic	18,720	1	18,721	18,720	-	18,720
Foreign Ethnology	6,254	-	6,254	6,254	-	6,254
Minerals	11,037	645	11,682	11,037	-	11,037
Malacology	3,642	-	3,642	3,642	-	3,642
Butterflies	33	-	33	33	-	33
Australian Biological Tissue Bank	5,192	-	5,192	5,192	-	5,192
Australian Helminthological Collection	8,376	-	8,376	8,376	-	8,376
Entomology	26,134	-	26,134	26,134	-	26,134
Arachnology	4,013	-	4,013	4,013	-	4,013
Marine Invertebrates	5,660	-	5,660	5,660	-	5,660
Ichthyology	1,136	-	1,136	1,136	-	1,136
Herpetology	2,972	-	2,972	2,972	-	2,972
Ornithology	7,834	-	7,834	7,834	-	7,834
Mammalogy	4,223	-	4,223	4,223	-	4,223
Library	4,761	-	4,761	4,761	-	4,761
Total Heritage Collections	110,209	646	110,855	110,209	-	110,209

Reconciliation of Carrying Amounts of Heritage Collections

	2004			2003		
	Balance 1 July	Additions	Balance 30 June	Balance 1 July	Additions	Valuation Increment

	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Social/Industrial History	222	-	222	221	-	1	222
Australian Aboriginal Ethnographic	18,720	1	18,721	7,179	100	11,441	18,720
Foreign Ethnology	6,254	-	6,254	5,986	147	121	6,254
Minerals	11,037	645	11,682	10,211	361	465	11,037
Malacology	3,642	-	3,642	-	3,642	-	3,642
Butterflies	33	-	33	-	33	-	33
Australian Biological Tissue Bank	5,192	-	5,192	-	5,192	-	5,192
Australian Helminthological Collection	8,376	-	8,376	-	8,376	-	8,376
Entomology	26,134	-	26,134	-	26,134	-	26,134
Arachnology	4,013	-	4,013	-	4,013	-	4,013
Marine Invertebrates	5,660	-	5,660	-	5,660	-	5,660
Ichthyology	1,136	-	1,136	-	1,136	-	1,136
Herpetology	2,972	-	2,972	-	2,972	-	2,972
Ornithology	7,834	-	7,834	-	7,834	-	7,834
Mammalogy	4,223	-	4,223	-	4,223	-	4,223
Library	4,761	-	4,761	4,337	16	408	4,761
Carrying Amount at 30 June	110,209	646	110,855	27,934	69,839	12,436	110,209

Note 11. Payables

	2004	2003
	\$'000	\$'000
Current		
Creditors and accruals	253	93
Employee on-costs	56	45
Total Current Payables	309	138
Non-Current		
Employee on-costs	80	70
Total Non-Current Payables	80	70
Total Payables	390	208

Note 12A. Provision for Employee Entitlements

	2004	2003
	\$'000	\$'000
Current		
Annual Leave	259	240
Long Service Leave	60	53
Accrued Salaries and Wages	41	-
Total Current Employee Benefits	360	293
<hr/>		
	2004	2003
	\$'000	\$'000
Non-Current		
Long Service Leave	696	610
Total Non-Current Employee Benefits	696	610
Total Employee Benefits	1056	903

Note 12B. Employee Benefits and related on-costs

	2004	2003
	\$'000	\$'000
Accrued Salaries and Wages		
On-costs included in payables – current (refer note 11)	7	-
Provision for employee benefits – current (refer note 12A)	41	-
Total Accrued Salaries and Wages	48	-
<hr/>		
Annual Leave		
On-costs included in payables – current (refer note 11)	42	39
Provision for employee benefits – current (refer note 12A)	259	240
Total Annual Leave	301	279
<hr/>		
Long Service Leave		
On-costs included in payables – current (refer note 11)	7	6
Provision for employee benefits – current (refer note 12A)	60	53
On-costs included in payables – non-current (refer note 11)	80	70
Provision for employee benefits – non-current (refer note 12A)	696	610
Total Long Service Leave	843	739
Total Employee Benefits and related on-costs	1,192	1,018

	Note 13.	Provisions	2004	2003
			\$'000	\$'000
Current				
Provision for workers compensation			31	24
Total Current Provisions			31	24
Non-Current				
Provision for workers compensation			72	68
Total Non-Current Provisions			72	68
Total Provisions			103	92

Reconciliation of the Provision for Workers Compensation

Provision at the beginning of the financial year			92	24
Increase (Decrease) in Provision during the year			11	68
Provision for Workers Compensation at the end of the financial year			103	92

	Note 14.	Equity	2004	2003
			\$'000	\$'000
Retained Profits			133,428	133,375
Asset Revaluation Reserve			13,957	13,957
Total Equity			147,385	147,332

Retained Profits				
Balance at the beginning of the financial year			133,375	61,720
Operating profit/(loss) from Ordinary Activities			53	2,440
Assets brought to account for the first time			-	69,215
Balance at the end of the financial year			133,428	133,375

	2004	2003
	\$'000	\$'000
Asset Revaluation Reserve		
Balance at the beginning of the Financial Year	13,957	1,521
Increment in Heritage Collections due to Revaluation	-	12,436
Balance at the end of the financial year	13,957	13,957

Note 15. Financial Instruments

(a) Terms, Conditions and Accounting Policies

Financial Instrument	Note	Accounting Policies and Methods	Nature of Underlying Instrument
<i>Financial Assets</i>			
Cash assets	18	Cash at bank is recorded at its nominal amount. Interest revenue is recorded on an accrual basis although some funds held within the total cash balance are non-interest bearing.	Interest is calculated based on the average daily balances of the interest bearing funds. The interest bearing funds of the Museum Board are the Special Deposit Account titled "Arts South Australia Operating Account" and the Deposit Account titled "Museum Board Bequests Account". The interest rate is the Treasurer's Approved Rate of Interest on Deposit Accounts, which is currently 5.1% as at 30 June 2004.
<i>Receivables</i>		Receivables are recorded at amounts due to the Museum Board. They are recorded when services have been completed.	Receivables are due within 30 days.
<i>Financial Liabilities</i>			
Payables	11	Payables are recorded at the agreed amounts at which the liabilities are to be settled. They are recorded when invoices are received.	Terms of payment are 30 days unless otherwise agreed in the terms and conditions of individual contracts.

(b) Terms, Conditions and Accounting Policies

The effective weighted average interest rate risk is outlined below for the following financial assets and liabilities.

Financial Instrument	2004			2003			Total	
	Interest Rate %	Interest Bearing - Floating Interest Rate	Non-Interest Bearing	Interest Rate %	Interest Bearing – Floating Interest Rate	Non-Interest Bearing		
		\$'000	\$'000	\$'000		\$'000	\$'000	\$'000
<i>Financial Assets</i>								

Cash assets	5.10	2,540	3	2543	4.60	2,338	3	2,341
Receivables		-	210	210		-	180	180
		2,540	213	2,753		2,338	183	2,521
Financial Liabilities								
Payables		-	253	253		-	93	93
		-	253	253		-	93	93

(c) Net Fair Values of Financial Assets and Liabilities

Financial Instrument	Note	2004		2003	
		Total Carrying Amount	Net Fair Value	Total Carrying Amount	Net Fair Value
		\$'000	\$'000	\$'000	\$'000
FINANCIAL ASSETS					
Cash assets	18	2543	2543	2,341	2,341
Receivables		210	210	180	180
		2,753	2,753	2,521	2,521
FINANCIAL LIABILITIES					
Payables	11	253	253	93	93
		253	253	93	93

The net fair value is determined as the carrying value of all assets and liabilities.

d) Credit Risk Exposure

The Museum Board's maximum exposure to credit risk at reporting date in relation to financial assets is the carrying amount of those assets as indicated on the Statement of Financial Position. The Museum Board has no significant exposures to any concentrations of credit risk.

Note 16. Commitments for Expenditure

Operating Lease Commitments

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

	2004	2003
	\$'000	\$'000
Not later than one year	287	421
Later than one year and not later than five years	417	515
Later than five years	-	77
Total Operating Lease Commitments	704	1,013

The operating lease commitments comprise:

- Non-cancellable property leases, with rental payable monthly in arrears. Contingent rental provisions within the lease agreements require the minimum lease payments to be increased by 5.5% per annum or the Consumer Price Index. Options exist to renew the leases at the end of their terms for a further five years.
- Non-cancellable motor vehicle leases, with rental payable monthly in arrears. No contingent rental provisions exist within the lease agreements and no options exist to renew the leases at the end of their terms.
- A non-cancellable photocopier lease, with rental payable monthly in arrear. No contingent rental provisions exist within the lease agreement and no option to renew the lease at the end of its term.

Capital Commitments

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

	2004	2003
	\$'000	\$'000
Not later than one year	302	-
Later than one year and not later than five years	-	-
Later than five years	-	-
Total Capital Commitments	302	-

Note 17. Contingent Liabilities

There are no known contingent liabilities as at 30 June 2004.

Note 18. Cash Flow Reconciliation

2004	2003
\$'000	\$'000

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:

Deposits with Treasurer	2,540	2,338
Cash on hand	3	3
Cash as recorded in the Statement of Financial Position	2,543	2,341

Reconciliation of Net Cash Inflows from Operating Activities to Operating Profit from Ordinary Activities

Operating Profit from Ordinary Activities	53	2,440
Less non cash items		
Depreciation of Property, Plant and Equipment	987	989
Donations of heritage assets	(645)	(508)
Changes in Assets and Liabilities		
(Increase) Decrease in Assets	(10)	(84)
Increase (Decrease) in Liabilities	345	248
Movement in liabilities attributable to investing activities	(139)	-
Net Cash Inflows from Operating Activities	591	3,085

Note 19. Events After Balance Date

There were no events occurring after balance date.

In our opinion, the attached Financial Statements of the Museum Board, being the Statement of Financial Performance, Statement of Financial Position and Statement of Cash Flows for the year ended 30 June 2004 and notes thereto, present fairly, in accordance with Statements of Accounting Concepts, applicable Accounting Standards, applicable Urgent Issues Group Consensus Views, the Treasurer's Instructions and Accounting Policy Statements promulgated under the provisions of the Public Finance and Audit Act, 1987, the financial position of the Museum Board as at 30 June 2004 and the results of its operations and its cash flows for the year then ended. In addition, we consider the internal controls over financial reporting have been effective throughout the reporting period.

Dr T Flannery

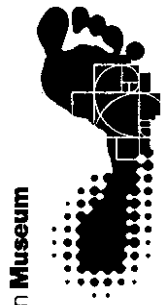
Director

SOUTH AUSTRALIAN MUSEUM

Mr S Riley

General Manager

SOUTH AUSTRALIAN MUSEUM



South Australian Museum



Government
of South Australia

September 2004

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

General Manager
Telephone (08) 8207 7641

For copies of this document please contact:

Telephone: (08) 8207 7431
Facsimile: (08) 8207 7643

ISSN 0375-1619