



ALBANY MUSEUM



**ALBANY MUSEUM
ANNUAL REPORT 2015-2016**

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VISION OF ALBANY MUSEUM

Our vision is to become a Museum that is an integral part of our community, contributing to the process of nation building through nurturing a society that is aware of the value of its past and is constructively engaged in the present in order to create a better future.

MISSION

To fulfill this vision the Museum will:

- Develop representative collections reflecting our social and natural environment with particular reference to the Eastern Cape;
- Preserve and hold these collections in trust for the nation;
- Enrich our knowledge, understanding and appreciation of the collections through research;
- Render our collections accessible and usable to all;
- Assert that education for all is integral to all our activities and central to our public service role.



Observatory Shop showing silver case



Observatory Shop showing old counter and mannequins

ALBANY MUSEUM BOARD OF TRUSTEES: APRIL 2015 TO MARCH 2016

MEC Representatives:

Mr B C Nonqane
Dr Jaine Roberts
Dr Janice Limson
Prof Roy Lubke
Dr Julia Wells
Prof Malvern van Wyk -Smith
Mr Vuyani Njovane

Makana Municipality Representatives:

Cllr Thuleka Ngeleza
Cllr Nonzameko Tyantsula

Museum Staff in Attendance

Mr Manzandonga Vabaza (Museum Manager)
Ms Celeste Booth (Staff Representative)
Ms Linda Dyani (Scribe)



LIST OF STAFF

ADMINISTRATION

Manager: Mr M.Z. Vabaza
State Accountant:
Senior Admin Officer: Mrs N. Sentile
Senior Admin Clerk: Ms D. Mardon
Admin Clerk: Ms T. Sias
Messenger: Mr H. Geelbooi

PUBLIC PROGRAMMES

Education:
Educator (Mobile Museum): Mrs N. Madinda
Educator: Mr L. Mahlasela

Exhibitions
Exhibition Officer: Mr P. Janse
Assistant: Mr M. Jafta

Taxidermy:
Taxidermist: Mr T. Du Toit

Marketing & Communications
Communications Officer: Mrs L. Dyani

RESEARCH DEPARTMENTS

Anthropology
Curator: Ms P. Mntonintshi
General Assistant: Ms P. Maselana

Archaeology
Curator: Ms C. Booth
General Assistant: Mrs B.C. Tana

Entomology & Arachnology
Curator: Dr J. Midgley
Distinguished Curator Emeritus: Dr S. Gess
Research Associate: Dr C. Tocco

Freshwater Invertebrates
Curator: Dr H. James
Candidate Scientist: Mr M. Mlambo
Database Manager: Mr D. Weeks
Intern: Ms R Roux
Contract Technician: Mr M. Soxujwa

Earth Sciences:

Curator: Dr R. Prevec
Curator Emeritus: Dr W.J. de Klerk
Assistant: Ms K. Camagu
Assistant: Mr A Khoso

Herbarium:

Curator: Mr T. Dold
Botanist: Mr P. Cimi

History:

Curator: Ms A. van Wezel
Curator Emeritus: Ms F. Way-Jones
General Assistant: Mr B. September

Librarian

Vacant

SERVICE DEPARTMENTS

Technical Services:

Artisan: Mr H.C. Kohl
Assistants: Mr V. Mtyobo
Mr A. Maselana
Mr A. Ngeleza
Mr. V. Sandi
Mr S. Sandi

Visitors Services

Acting Head: Ms N.T. Mtyobo
Custodians: Mr D. Sadina
Ms L. Mains
Ms B. Mtuze
Mr Z. Klaas

Floorwalkers:

Mr X. Matyumza
Mr M. Lamani
Ms L Nkwinti
Mr S. Royi
Mr S. S. Quntu

ANNUAL REPORT: Chairperson of the Board of Trustees: 2015/2016

SUBMISSION OF THE ANNUAL REPORT TO THE EXECUTIVE AUTHORITY

Hon. MEC Pemmy Majodima
MEC of Sport, Recreation, Arts and Culture

In accordance with section 40 (1) of the Public Finance Management Act and the National Treasury regulations, I hereby submit the Annual Report for the period 1 April 2015 to 31 March 2016.

CHAIRMAN'S REPORT

I have pleasure in presenting the Chairman's report for the Albany Museum for the period 1 April 2015 to 31 March 2016.

Board meeting membership and attendance

There has been no change in the membership of the Board of Trustees.
During the year the Board held six meetings. In addition there was an opening of the World War II exhibition at which the Board and staff met socially.

Attendance has been good on occasion, although some members have not been as regular as one would have wished.

Operations Management

The Board of Trustees noted that it was apparent that operations at the Albany Museum were not as consistent as one would have liked due to staff shortages.
The scientist's success is a feather in the cap of the Albany Museum. It can be asserted that the scientists have extended museum's global footprint. The Public Programmes have also played a huge role in the success of the museum.

Thanks

My thanks to all the Board members who have contributed to the oversight of the museum in various ways, and to the Manager, Manzi Vabaza and his staff for keeping the museum running in circumstances that have not always been easy.

The Board has noted with appreciation that the museum uses real objects. I would like to thank all the Board members for overseeing the welfare of the museum; they acted as real custodians of this museum.

Thank you all

B.C. Nonqane
Albany Museum

INTRODUCTION BY THE MANAGER

The Financial Year 2015/16 has been one of those years where Albany Museum has performed well amidst all the difficulties we have experienced. We have managed to pull through with serious staff shortages. We are very thankful to DSRAC for the subsidy funding of R1 616 000 that we received. That funding has helped us dearly with our operations. We have managed to beef up the security of our collections by installing cctv cameras in the galleries in all our three operational sites. We have managed to improve the floors and and painted the walls of our galleries at the entrance of the Science Museum and the galleries at the History Museum.

Since the museum does not have enough funding to meet all its obligations at once, we thrive through collaborations with organisations that share the same sentiments as us. We have continued to maintain good relations with Rhodes University and we still maintain our status as the Research Institute of Rhodes University. We avail research materials and also allow researchers to utilise our resources and Rhodes University funds some of our research programs. Our staff members continue to give lectures and practicals to Rhodes University students during identified periods and students have free access to our galleries and materials for academic purposes. We are also keeping good relations with the Centre of Excellence in Palaeosciences, based at Wits University. From this relationship, we have been able to keep our Earth Sciences department operational since the funding that we receive helps us to continue with research in this field.

Staff shortages are a serious threat to our institution. The institution is operating without an Assistant Manager since 2010 and the consequences of that can be felt heavily. During this financial year, death has robbed us of three staff members. In addition to that, the post of a State Accountant became vacant and also another staff member went on retirement. This brings to five the number of staff members who are out of the system in one financial year, without replacement thus far. We are, however, hopeful that these vacancies will be filled. We have been able to temporarily get some employees to work on contract to assist especially in research departments. Earth Sciences department has only one fulltime DSRAC employee and the department services the local tertiary institutions, national as well as international institutions and researchers. It is the same situation with our Entomology, Archaeology, Herbarium, History and Anthropology departments. The Freshwater Invertebrates department has two fulltime DSRAC employees, one being a Candidate Scientist. This brings a lot of strain in the operations. We are, however, in some cases helped by external funding that we receive from organisations like the SANBI, SAIAB, CATHSSETA and others, which helps us to have people employed on short term contracts as well as learners for the Learnership Programs.

We are maintaining good relations with schools and local festival organisers. Through our mobile museum we are able to visit and give lessons to rural schools in far flung areas, whilst we are also able to support nearby schools with transport to access the museum. We provide space also for the National Arts Festival and the National Science Festival within the museum premises as a form of support to these important festivals. This year, we were loaned some travelling exhibitions by the Nelson Mandela Foundation and the Nelson Mandela Museum. These exhibitions have helped in strengthening the transformation agenda of the museum as required by the department. We have also set up and opened a new exhibition on World War 1, focusing on its effects in Grahamstown. We are currently working on setting up another new gallery that will display the Traditional Fishing Methods in Africa.

In conclusion, we remain thankful to the staff at Albany Museum for closing ranks and trying to keep the museum afloat even when conditions are challenging. We are looking forward to a period when the whole machinery will be oiled. We are thankful to the Albany Museum Board of Trustees under the leadership of Mr Cecil Nonqane, for the guidance and the leadership role they play. Let us strengthen the good relations and work together to get Albany Museum to greater heights.



M.Z. VABAZA (Manager)

PUBLIC PRORAMMES

EDUCATION DEPARTMENT



Strategic highlights

Education and Mobile Museum Services section drafted an Annual Performance Plan (APP) document that clarified the objectives of the section. Additionally, targets for each of the objectives outlined were set. This exercise brought a sense of direction and structure in the operations of the department.

Secondly, education is central in the deliberations about Observatory Museum. A committee was established to investigate the improvements to make the museums one of the best attractions in Grahamstown. Our contribution in the committee outlines the innovations that would attract an important stakeholder, schools. I drafted regulations that are aimed at improving experiences of visitors. The objective is to improve the reputation of the institution.

Lastly, we are initiating a provincial forum of museum educators. This has been escalated to South African Museum Association (SAMA) provincial executive. The idea has been accepted and a meeting has been held to advance the idea.

We great help from researchers we facilitated 16 lessons during the year 2015/16. Almost all the lessons are linked to the schools' curriculum and this adds value to our clients – schools. Nevertheless, schools do not have financial resources to come to the museum on their own. Consequently, I had to fetch a number of learners from schools to attend our lessons.

The Figures

Quarter 1	Quarter 2	Quarter 3	Quarter 4
722	1515	921	458

Total = 3616

Financial highlights

Education got an amount of R72000.00 from Culture, Arts, Tourism, Hospitality, Sports Sector Education and Training Authority (CATHSSETA). This will cover stipend for two Work Integrated Learners (WILS) that started from 01 October 2015 and will end on 30 September 2016. This was my only significant fundraising initiative.

Looking ahead

Education is looking at transforming its operations from museum education to heritage education. This has been necessitated by a number of factors including the following;

The need to involve communities in our programmes

Inability to meet targets (few schools are able to come to the museum without museum's transport subsidy)

The town is probably 80% game farms. It would be very interesting to teach children about a baboon when they see it walking rather than dead. A plan to partner game farm owners is needed.

There are a number of heritage sites in the area; forts, monuments and EGazini are just some of memorials that we can use.

MOBILE MUSEUM SERVICES

The Albany Museum Education Department offered lessons in the form of focus weeks, outreach programmes, social cohesion programmes, Provincial Events, Khanya Maths and Science Club, National Science Festival and Access to the Museum Project.

Facilitators came from different institutions such as Albany Museum, National English Literacy Museum and Rhodes University. The programmes for focus weeks are: Insects, Rock Art of Hunter Gatherers, Plants insights into Botanical Garden, History of Grahamstown, Exploding Myths, Church treasures Hunt, Birds Movement, Fossils of the Eastern Cape, Xhosa Plants, Physics Sounds Great, Taxidermy behind the scenes, Evolution for schools, Herbarium tour, South African Heritage, Museums and Heritage, Focus on five heritage sites, Life in the pond, SPCA caring for our animals.

Outreach Programmes: Albany Museum Mobile Service is an educational outreach project designed to take educational museum resources to rural and urban communities that are unable to visit the Albany Museums. It aims to organise and supply lessons to rural and urban schools in the form of Mobile Museum Service up to 100km radius of Grahamstown and can even go beyond 100km by invitation. Albany Museum Mobile Service visits are free of charge, but have to be booked and as a co-ordinator. The Mobile Museum owns a customized vehicle that is equipped with Museum artefacts. Each box consists of a display unit of different galleries, for example Earth and Space, Fossils, Blue planet, Invertebrate, Mammals, Egyptian Mummy, the San, Birds and Wild Life. The Mobile Museum also encourages the educators to loan the artefacts so that their teaching can be made more meaningful in a classroom context.

Social Cohesions programmes are social programmes such as International Museums Day(Road shows), Mandela Day, Winter School, Spring School, Museum Careers Day and Museum open Day. In these programmes we invited schools and have talks to the learners, educators and visitors. In Winter School we take two learners to Nelson Mandela Museum and in Spring School we also take four learners to Robben Island Museum to learn more about heritage. In Careers Day the learners learn more about museum careers like Entomologist, Historian, Anthropologist, Palaeontologist, Archaeologist, Botanist and Ichthyologist.

Provincial Events attended were Human Rights Day, Freedom Day and Heritage Day and we had exhibitions.

Roadshows

There were 1 000 learners and educators attended roadshows from the following areas :Grahamstown Cathedral, Port Alfred, Alexandria, Kenton on Sea and Addo.

Khanya Maths and Science Club is organised by the education officer Ms Nozipho Madinda of the Albany Museum and run by Joyce Sewry from Rhodes University Chemistry Department on Saturdays mornings from 9h00 m- 11h00 at the Natural Science Museum. It has been operating for more than 14 years, helping students with extra Maths and Science lessons. These lessons are catered for grade 7 to grade 12. There were 460 learners registered during the period of 2015 – 2016. The number of learners attended Sci-fest is 2 600 learners and educators.

The Access to the Museum Project is a project of the Albany Museum in cooperation with National Lotteries Distribution Trust Fund (NLDTF). The aim of the project is to make the Albany Museum accessible to as many schools as possible. The number of learners attended Access to the museum project is 3000 learners and educators.

Total number of visitors for the period : 15 800 during 2015 – 2016.

Achievements

Ms Nozipho Madinda successfully completed her Med in Leadership and Management with Rhodes University. The topic was “An investigation of participative management in a museum in the Eastern Cape, South Africa”.

She also presented a SAMA conference paper in Durban. The paper was about “ Museum Making a difference in Communities”.

EXHIBITIONS DEPARTMENT



In the 2015/2016 financial year achievements were met with the help of the History Department and Museum Security Committee. The committee obtained quotes for a much needed security system in all museum galleries. The more valuable collections on display now have newly installed 24/7 CCTV cameras in the galleries. The Exhibition Department is extremely grateful to Amy Van Wezel for chairing the Security Committee and arranging regular meetings on museum security. We, the Exhibitions Department, would like to see future employment of security guards who will ensure the safety of museum collections on display.

The security of museum collections on display will always be a priority of the Exhibition Department's growth plan for future displays. Despite challenges with museum funds, the Exhibitions Department shall always try its best with exhibition fundraising. The money raised will be used to buy much needed toughened glass showcases. The placing of artefacts behind safety glass is an intrinsic part of museum collections on display. New showcases will be used for long term and short term displays.

Other achievements were made with help of ARTEC (EPSAC) Community Art Centre in Port Elizabeth. The collaboration brought a travelling art exhibition titled Fetish in 2015. The word fetish has a long history attached to it and was used by many cultures, with many different meanings than that of the popular definition today. The original meaning of fetish related to the first objects of curiosity collected by sailors and traders, these objects were sometimes regarded to be an embodiment or habitation of a spirit of magical power. These objects of curiosity were later displayed in museums around the world. Today the meaning of fetish has been distorted into different meanings and is no longer a museum word. This is why this exhibition was chosen to be exhibited in the Albany museum for the duration of the National Arts Festival. Top South African artists were briefed on the theme and of collecting curiosities as the first traders and sailors did during the time of exploration. Artists were allowed to make artworks that visually interpreted the meaning of spirit, magical power, charms, sorcery or a religious object with power to revive the original idea of this word: Fetish. This exhibition has had good reviews around the country and attracted many visitors to the Albany Natural Science Museum during the National Arts Festival.

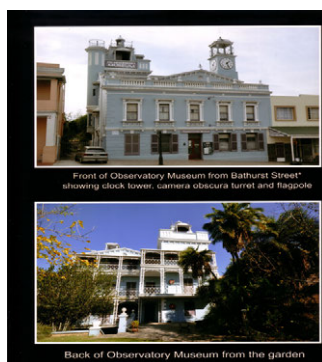
The National Science Festival co-ordinators also assisted with restoration work at Fort Selwyn. A much needed steel gate was installed at Fort Selwyn to protect the building and the canon on display. This assistance included the replacement of the magazine door and removal of graffiti on the walls. We are grateful to the National Science Festival for their support and assistance as we are currently short on readily available staff to do preventive conservation and restoration on our historical buildings in Grahamstown.

National Science Festival also made use of the Alumni gallery and Standard Bank gallery as workshop classrooms for the duration of the science festival.

Other projects for 2015/2016 included the museum's 160th anniversary. Five outside banners were designed and hung outside all of our museum buildings to celebrate our 160th anniversary with our staff and the public.

Interdepartmental projects included the design of the 2016 education booklet.

New exhibitions designed and installed for 2015/2016 include the World War One exhibition, in collaboration with Amy Van Wezel. For this exhibition the Exhibitions Department designed informative posters, which were printed and also executed 7 large paintings of Grahamstown and narrative scenes of World War One. Further, three large posters were designed and installed in the Earth Science gallery with fossils and fossil reproductions secured in showcase for display. This small exhibition on the Coelacanth and Homo Naledi was up before the opening of the National Science Festival this year.



MARKETING & COMMUNICATIONS DEPARTMENT

This year has seen the Marketing & Communications department grow in the socialmedia platforms and print media coverage. We have a Facebook, twitter pages and blog that are populated with current events and activities that the museum has held over this financial year. Examples of events that have received publicity through pamphlets and posters and also designed and printed invitations and programmes are: Public Lectures, 160th Anniversary departmental weeks, Outreach Programs, Youth Month, Focus weeks, exhibition opening, conferences, workshops. Articles covering these events were written. The Marketing & Communications department collated, edited and designed the 2014/2015 Annual report and takes photos at museum events.

The Marketing & Communications Officer also acts as a scribe for the Board of Trustees and has attended six meetings over this financial year.

Looking ahead for the 2016/2017 cycle is the focus on the website and building the Friends of the Museum entity extensively.

RESEARCH DEPARTMENTS

ANTHROPOLOGY DEPARTMENT



The Anthropology Department participated in Africa Day hosted in Nelson Mandela Bay and at the University of Fort Hare in Alice, we had displays put up on these events. The East London Museum donated 200 artefacts, we have fumigated, listed, documented, some displayed & the rest stored.

The department hosted two volunteers to assist in King Coronation Project from Rhodes University Fine Arts department and University of the Western Cape History department in the persons of Lwazi Mphathi and Buntu Sixaba. Both come with expertise on Graphic design and research and analysis skills. We hosted 15 tourists from Finland from Makana Tourism seeking information on Traditional customs and amaXhosa lifestyles in June 2015. SAIAB donated about 35 fish traps for a new exhibition.

We are looking forward to a project with Nqadu Kingdom that looks into Amaxhosa family trees, pending funding from the National Heritage Council and/Lotto.

Mrs Phindiwe Maselana, a general assistant at Anthropology Dept received a Certificate in Museology from the University of Stellenbosch. In 2016 she is registered for Public Administration learner ship course offered by the department of Sports, Recreation, and Arts & Culture.

ARCHAEOLOGY DEPARTMENT



The Department hosted two researchers who spent time conducting research on the collection. Ms Margaret Ashley Veall, based at Oxford University, United Kingdom, acquired samples of mastic (a natural sticky substance that would have been used as a glue) from selected stone artefacts. The samples are currently being analysed to determine the make-up. Dr Matt Caruana, based at the University of Johannesburg, conducted research on the Amanzi Early Stone Age material. He has initiated further archaeological investigation at the Amanzi site near Uitenhage and will have an excavation season during 2016. There is continued historical archaeological research by researchers from the University of South Africa. Several researchers are excavating new sites within the Eastern Cape of which the Department will act as repository for the collections. Dr Binneman, Emeritus Curator, of the Archaeology Department is continuing with his Stone Age research in the Langkloof / Kouga area.

During the year several enquiries were made about recorded sites in our database from academics, students, and interested members of the public. Ms Booth conducted a week of rock art recording in the Koonap River Valley. Ms Booth with assistance from the Wildlife and Environmental Society of South Africa (WESSA) organised a trip for a group to visit rock art sites in the Koonap River Valley. Research surveys of a farm near Riebeeck East and areas of the coastline around East London were conducted. Rescue excavations were conducted on a site near Middelburg.

The Department of Archaeology presented two practical workshops daily during Scifest Africa 2015 on Prehistoric paint-making and prehistoric jewellery-making. Education outreach was ongoing during the year with two focus weeks being presented on “South African Heritage” and a general introduction into hunter-gatherers and their art.

Mrs Boniswa Tana, the general assistant in the Department continued to diligently and with great care and effort curate the collections that have been excavated by previous employees in the Department and from the Iron Age sites excavated in the former Transkei. The changes in conservation and preservation techniques of different artefacts over time were taken into consideration and the specimens were curated accordingly. We are currently standardising the storage of all archaeological collection according to international standards. This will aid in the preservation of the artefacts, also to allow for easier access to researchers and/or members of the public. This is also aimed at saving space and in the long-term determine the type of storage shelves required to also create more space to store archaeological collections as the research interest in the Eastern Cape increases.

HISTORY DEPARTMENT



The History department has had an overall successful year. It has exceeded its targets regarding acquisition and documentation of collections, accessioning a total of 125 items and adding 185 items to the History excel database. The History staff continue to monitor conditions in storerooms and galleries and address conservation needs, regularly having to battle mould due to a lack of a proper ventilation or properly climate controlled system, using portable dehumidifiers to try and alleviate the situation. Ms van Wezel, Head Curator, has dedicated a great deal of time to the proper organisation of storerooms for better access and preservation, in particular the Art Store, while Mr September, the Assistant to the Curator, has been busy continuing to see to the proper storage of a large donation of negatives (approx. 1169 negatives thus far). The department has been busy with various educational lessons, tours and lectures throughout the year although one focus week was unfortunately cancelled due to the WW1 exhibition being postponed until after school closure. The department saw the launch of the temporary exhibition 'A Glimpse of Grahamstown in the Great War' in December after much research, preparation and assistance to the Exhibitions Department. Unfortunately, despite preparing for the installation of a long-term Art Exhibition, this did not materialise due to the use of the gallery by the National Arts Festival but the department is hopeful that it will be prioritised in the next year due to recent support from the Board of Trustees. Ms van Wezel presented a paper, which formed part of her MA thesis completed in March 2016, to the Annual Classics Conference in July, as well as submitting an article on Grahamstown during the First World War to the Grocotts Mail. Ms Way-Jones, the Curator Emeritus and Genealogist, continues her tireless research in the Genealogical section, answering a large number of complicated queries on a daily basis as well as assisting the department with curation and guidance. The year ended with a successful 'Anniversary Week' of talks and tours of the history collections to visitors.

EARTH SCIENCES DEPARTMENT

This year has seen the Earth Science Department grow, both in terms of numbers of researchers and productivity. Although we still have only one DSRAC-funded post in the entire department, we have grown our numbers through the acquisition of funding for contract posts and students. Our staff complement comprises the new curator/Head of Department (Dr Rose Prevec), three NRF-funded preparators (Ms Khokela Camagu, Mr Lindikhaya Sandi/ Mr Zibongile Peter and Mr Armstrong Khoso), one Emeritus Curator (Dr Billy de Klerk), one Postdoctoral Fellow (Dr Robert Gess), one Ph.D student (Ms Aviwe Matiwane) and two Rhodes Geology Honours students.

Various fieldtrips were conducted by members of the department. Dr Gess located a lag deposit of fish bones at Warmwaterberg which he intends to return to excavate, Dr Prevec returned to the Wapadsberg Pass and found more plant fossils, in addition to trying very hard to excavate a large burrow containing several Lystrosaurus skeletons. She and her small team comprising Ms Camagu and several Rhodes University students will return armed with a rock drill, after being defeated by the very hard matrix surrounding the burrow.

Dr Prevec visited the Evolutionary Studies Institute, Wits University, as well as Iziko Museum in Cape Town, to study and photograph collections.

With the help of preparators, Zibongile Peter, Armstrong Khoso and Khokela Camagu, we renovated the preparation laboratory, painted the shelving and walls, and installed a new dust-extraction system in August. This has greatly improved working conditions for the preparation staff, as there is now good ventilation and lower dust levels in the laboratory, and there is also less dust making its way into the storage section of the department. Dr de Klerk assisted us in obtaining R30 000 from the CoE in Palaeosciences at Wits, to help pay for the system, and we also received funds from the National Collections Facility towards this project.

The preparators have put the 'new' lab to good use, and have prepared an assortment of dinosaur and the-rapsids specimens under the supervision of Drs de Klerk and Prevec.

Dr de Klerk attended two Board meetings of the Kitching Fossil Exploration Centre (KFEC) in Nieu Bethesda during the year, and Dr Prevec was officially appointed by the Museum Director as the Museum's representative in this outreach venture, that represents one of the few successful palaeotourism enterprises in the Eastern cape.

As in the past all members of staff in the Department presented formal and informal talks and lectures to groups of school pupils and Rhodes University students throughout the year. During Scifest, we had two staff manning the palaeontology gallery at all times, and embarked in a joint venture with the Geology Department at Rhodes University, manning a stand at the 1820 Settler's monument, with the production of a poster on the use of fossils in dating rocks. We interacted with many school groups during the week and hosted a talkshop in the palaeontology gallery on how to determine the age of rocks, also in conjunction with Rhodes Geology. Dr Gess gave two well-attended talks for Scifest at the Monument.

Dr Prevec gave a comprehensive talk on life through the ages in the Karoo Basin, to visiting Leeds students at Shamwari Game Reserve. Drs Prevec, Gess and de Klerk delivered a large number of public talks in various forums over the past year (see below). Dr Prevec, and Postdoctoral Fellow Dr Rob Gess gave a four week course on palaeontology to third year geology students at Rhodes University, and Dr Prevec gave a lecture to the Geology Honours class at the University of Cape Town. Dr Prevec has taken on the supervision of a PhD student and two honours students from Rhodes Geology Department during 2016.

The NRF contracts of all three preparators came to an end at the end of March 2016, but Dr Prevec was successful in obtaining another three year's funding for these posts. The contract of Ms Khokela Camagu has been renewed, but the other two positions are going to be advertised. We were very sad to see Mr Armstrong Khoso leave the department for personal reasons, and we wish both him and Mr Peter well in their future endeavours.

Dr Prevec was also successful in obtaining funding for research projects for the next three years from the NRF African Origins Platform, in addition to another year of valuable Operations funds from the Centre of Excellence in Palaeosciences, and a bursary for her new student Aviwe Matiwane. Aviwe is a welcome addition to the department, and has been putting her expertise in social media to full use in getting our department set up on Instagram and Facebook.

As our Palaeontology Department is a satellite of the NRF Palaeosciences Centre of Excellence, based at the ESI at Wits University, we had a meeting with Prof Bruce Rubidge and Dr Christine to report on research matters and research funding proposals (22 March 2016), and Dr Prevec attended a seminar series at Wits University where research of CoE partners was showcased (25 August 2015). The CoE continues to provide a reliable and much-needed funding platform for our research endeavours.

In November, both Drs Prevec and Gess attended and presented at the 'Cape-Karoo Imbizo: Origin and Evolution of the Cape Mountains and Karoo Basin' at NMMU, Port Elizabeth, a most rewarding and interesting conference followed by a fieldtrip to sites of local geological interest.

Visitors - National & International:

1) Dr Jonah Choiniere and Dr Blaire McPhee (02-09 May 2015).
Evolutionary Studies Institute University of the Witwatersrand, Johannesburg.

2) Tetsuto Miyashita (17-25th February, 2016)
University of Alberta, Canada.

Invited Talks

Rose Prevec

1) Philosophy Department seminar
Host: Prof. Pedro Tabensky, Rhodes University p.tabensky@ru.ac.za
Date: 13 May 2015
Title: 'Deep time perspectives on the evolution of life and being human'.

2) 1820 Settlers Association
Host: Fleur Way-Jones f.way-jones@am.org.za
Date: Saturday 09 May
Title: 'The Land of the Gonds: a palaeobotanist's visit to India'

3) Grahamstown Historical Society
Host: Prof. Roy Lubke (r.lubke@ru.ac.za)
Date: Friday 22 May at 5:30pm
Title: The great Continental Drift debate; an account of the history of the theory of Continental Drift and why scientists were so slow to accept evidence that was so overwhelming.
Co-presented by Prof. Steve Prevec and Dr Rose Prevec

Rob Gess

1) U3A

Date: Thursday 21 January at 10 am

Title: "Waterloo Farm: A high latitude Late Devonian (Famennian) Lagerstätten"

Attended by about 70 members of the U3A, lasted one hour and was followed by one on one conversation and display of a selection of specimens.

2) Rhodes/Albany Museum geology lecture series (part of the 2016 Scifest Africa)

Title: "The Rocks beneath the Monument: a fossil time capsule"

Date: 03 March, 2016.

3) 2016 Scifest Africa program

"The unusual Grahamstown fossil coelacanth find"

Date: 8th of March, 2016.

Billy de Klerk

1) Rapportryers, Grahamstown-

Title: "Ancient Karoo fossil in a modern world"

Date: 20 November 2015

2) U3A, Grahamstown

Title: "Ancient Karoo fossil in a modern world"

Date: 28 January 2016

Publications

1) Bordy, E.M. & Prevec, R. 2015. Lithostratigraphy of the Emakwezini Formation, (Karoo Supergroup), South Africa. South African Journal of Geology 118:307-310.

2) Muir, R.A., Bordy, E.M. and Prevec, R. 2015. Lower Cretaceous deposit reveals first evidence of a post-wild fire debris flow in the Kirkwood Formation, Algoa Basin, Eastern Cape, South Africa. Cretaceous Research 56:161-179.

National Conference Abstracts

1) Prevec, R. *Glossopteris* floras of South Africa: an untapped biostratigraphic resource or a lost cause? 'Cape-Karoo Imbizo: Origin and Evolution of the Cape Mountains and Karoo Basin' at NMMU, Port Elizabeth; 25-27 November 2015.

2) Prevec, R. Pushing Boundaries: recent discoveries at the Permian-Triassic boundary near the Wapadsberg Pass, Eastern Cape.

Centre of Excellence in Palaeosciences seminar series; Evolutionary Studies Institute; 25 August 2015.



Figure 01



Figure 02



Figure 03



Figure 04



Figure 05



Figure 06

Photograph captions:

Figure 01. Ms Khokela Camagu operating the rock saw at the Wapadsberg Pass fossil excavation.

Figure 02. Working hard to excavate a *Lystrosaurus* burrow at the Wapadsberg Pass.

Figure 03. Looking at a spectacular example of folding in the Cape Fold-belt on the Cape-Karoo Imbizo fieldtrip.

Figure 04. The preparation lab in the Earth Science Department before renovations.

Figure 05. The laboratory after renovations and the installation of a dust extractor.

Figure 06. *Zamites recta bennettitalean* from the Kirkwood Formation, in the collections at Iziko Museum, Cape Town.

ENTOMOLOGY DEPARTMENT



The growth of the Entomology department during the 2015/2016 cycle has been slow, but progress has been made. The arrival of Dr Tocco has significantly increased the research diversity in the department and created a positive research atmosphere. The continuation of Dr Gess' research on aculeate Hymenoptera has seen her travel for collecting to the United Arab Emirates, showing the regard with which she is held in the international entomological community. Dr Midgley's research collaborations with Rhodes University continue to bear fruit, and successful collaboration with SAIAB resulted in a presentation at the Entomological Society of Southern Africa Conference. Dr Tocco also presented her research at this conference. Continued engagement with SANBI and the NRF has resulted in funding opportunities for the natural sciences in the Albany Museum, with further funding expected. Dr Midgley also gave a course to scientists from the Durban Natural Science Museum and Kwa-Zulu Natal Museum, illustrating the continued collaborations the Albany Museum has with other institutions in the country. Aside from these highlights, work has continued and the department has a good outlook for the 2016/2017 cycle.

FRESHWATER INVERTEBRATES DEPARTMENT

Staff:

Dr Helen M. James (HOD)
Mr Musa C. Mlambo (Candidate Scientist)
Dr Ferdinand C. de Moor (Emeritus Curator)
Mr Desmond C. Weeks (externally funded database manager)
Ms Lyndall Pereira da Conceicao (PhD student and Research Associate)
Mr Mbuyisele (Kek) Soxujwa (externally funded contract technician)
Mr Bayanda Sonamzi (NRF intern April 2015-March 2016)
Ms Mandilive Matiwane (DSRAC intern 12 October 2015 – 26 February 2016)

Curation: Due to dwindling external self-generated funding for paying salaries, Mr Weeks went to assist Dr Midgely with data capture in the Entomology Department from June 2015 – 9 March 2016. Our interns continued with some data capture. Records of data captured for FWI April – May 2015 256 ; June–Feb 2016 3043; March-April 747. Thus, a total of only 4046 records were added to the FWI database during the period. This is set to change in 2016-2017 due a strong fundraising drive for databasing, which has been successful (see more details under fundraising, below).

The NRF intern (Mr Bayanda Sonamzi) identified and catalogued material from the Pungwe River, Zimbabwe. The department received collections from Prof Jenny Day (UCT), Patrick Reavell (Stellenbosch University), and Dr Michael Cunningham (University of Pretoria), and crab (Decapoda) samples from SAIAB. A considerable amount of new material for the collection was brought back from the Kruger National Park Rivers project fieldwork in September. Representative identified specimens will be sent back to the park at the end of the project for their Skukuza Museum to build up that collection. Around 8 000 specimens were catalogued and added to the collection from this work.

Dr James oversaw and recorded ethanol usage for museum collections, and passed the SARS ethanol inspection on 10 March 2016.

Multiple specimen loans were made to researchers in: University of Tel-Aviv, Israel; Korea University; University of Innsbruck, Austria; Universidade Federal do Espírito Santo, Brazil and University of Stellenbosch.

Fieldwork and Research:

Mr Mlambo continued with the collection of aquatic invertebrates during the wet period from ponds around Grahamstown to complement the soil sediments collected during the dry period, these samples will be used for Honours Research projects to be offered to Rhodes or Fort Hare University.

Soil sediments collected from dry temporary wetlands of Kenilworth Race Conservation Area are to be used for hatching experiments later. He also participated in the Amathole Catchment Forum Meeting at Hogsback, interacting with different stakeholders (government and civilian) and discussing potential collaborative projects.

Dr James and Ms Pereira-da-Conceicao participated in the XIV International Conference on Ephemeroptera and XVIII International Symposium on Plecoptera at The James Hutton Institute, Aberdeen Scotland 31 May-5 June 2015, where they interacted with international colleagues and set up new collaborations. Dr James was elected to be on the Global IUCN red-listing of Ephemeroptera committee along with Dr Ian Campbell from Australia. While in the UK, she met Prof Mary Kelly-Quinn at The University College, Dublin (Freshwater Biodiversity, Ecology and Fisheries Research Group) discussing Prof Kelly-Quinn's research in Ethiopian rivers. Dr Jan-Robert Baars took Dr James out into the field to experience Irish rivers and collecting invertebrates, and she was excited to hear stoneflies drumming, something still never recorded in African species. Dr James spent 5 days at the Natural History Museum, London, looking at specimens, comparing database management, curatorial practices, fundraising approaches, devising joint research projects.



Fieldwork in Scotland during the conference

Fieldwork in Kruger National Park collecting river invertebrates took place from 29 August, returning 13 September. Several thousand specimens collected, still being sorted and catalogued. Dr John Midgely from the Museum Entomology department joined Dr James and Mr Mlambo for this fieldtrip. This was the first of several such trips, following successful funding from the NRF.



A) Mr Mlambo and B)



Dr Midgely doing field research in the Kruger National Park rivers.

Dr de Moor conducted photographic study of flying aquatic insects and larvae and collected material for further descriptive and molecular studies to enable linking of larvae of Leptoceridae with adults, at the following times; Tsitsikamma Rivers 8-13 April 2015; Tsitsikamma Rivers and Huis and Tradouw Rivers Western Cape 4-12 December 2015; Tradouw River, Huis River Tsitsikamma Rivers 11-19 March 2016. Research outputs are listed under publications.

Lecturing and student supervision:

Staff had considerable involvement with teaching at Rhodes University, delivering a total of six weeks of lectures and six practicals to undergraduate students in the Entomology Department. Many hours were spent marking practicals and exams, and Dr James sat on four panels to moderate PhD examinations. Dr James continued to supervise Rhodes University students with museum based projects: Ms Lyndall Pereira-da-Conceicao (PhD student and museum research associate), who graduated March 2016 and Ms Chantal Taylor (MSc), who graduated with distinction March 2016. Mr Bayanda Sonamzi started Zoology BSc (Hons) in February 2016, and is doing a research project with the museum into the next reporting year.

Mr Mlambo joined a two-day field excursion with the 2nd year entomology students to Thomas Baines Nature Reserve in March 2015 to demonstrate and teach about aquatic invertebrates.

Dr James, Mr Mlambo, and Mr Sonamzi were judges at the Schools regional science Science Expo on 1 August.

Outreach:

Specialist identifications were done and advice given to numerous researchers from institutes all over the world: identification of mayflies for Prof Clarke Scholtz (University of Pretoria); University of Stellenbosch student Cole Grainger, was helped with a question about functional feeding groups in aquatic insects; assisted Russian researcher Dr Nikita Kluge with information on the mayfly *Crassabwa*; assisted Mr M Moahloli (Lesotho Highlands Development Authority) and Mr E Weni (Dept Water and Sanitation) with invertebrate identification; Mr Goets Neef with Angolan material for a National Geographic funded research project; identification of mayflies for Annah Mabidi, a student at NMMU; DRC mayflies were identified for Mr François Ngera; invertebrate identifications for Mr Victor Modiba, student at University of Venda. Identification of Chironomidae for Mrs Christa Lourens (Western Cape). Mayflies and caddisfly identifications were done for Mr Laban Njoroge (Kenya) and Dr Babatunde Amusan (Nigeria) during their visits.

Dr James, assisted by Mr Mlambo and Ms Pereira da Conceicao, ran a SASS5 biomonitoring training course 4-7 May 2015 in collaboration with colleagues from GroundTruth Consultants in KZN, followed by a SASS accreditation day on 8 May. This was attended by delegates from Lesotho, Gauteng, KZN and Eastern Cape.

While doing research in the Kruger National Park, Dr James and Mr Mlambo taught freshwater researches from San-Parks Western Cape about using invertebrates for river biomonitoring.



Candidates who attended the SASS5 workshop

A focus week on freshwater invertebrates and rivers for local school groups took place in October 2015), and six talk-shops to school groups from across the country ran during SciFest 2-5, 7, 8 March 2016, on “Life in temporary freshwater bodies: it’s all a matter of timing”. FWI staff also gave a lesson to grade 5, 6 & 7 learners from Yellowwoods school, Fort Beaufort, and hosted grade 10 - 11 learners from local schools (VGHS, Ntsika SS and Graeme College) as part of their Biology Internship Programme organised by Rhodes University department of Zoology and Entomology in collaboration with SAIAB. FWI also hosted University of Fort Hare second year (Freshwater Ecology) students for their annual visit to the Museum, and assisted our education department with career week (18-20 August).

Mr Mlambo was invited by the National Research Foundation (NRF) to participate in their Role Modelling Campaign at King Williams Town to motivate and be exemplary to school kids about the different careers available. He also facilitated the digitisation of samples relevant for the Shale Gas Strategic Environmental Assessment (SEA) reporting.

Dr James is involved in the committee looking in to restoring and uplifting Observatory Museum. She liaised with Prof Mike Bruton who has been involved with designing Science Centres in Cape Town as well as overseas. In May this year she stopped off in Edinburgh, Scotland (on her way to a conference in Aberdeen) in order to visit the Edinburgh Camera Obscura and science centre there, looking for ideas for own Albany Museum Observatory Museum project. She met Mr Tony Millar, the manager, and he took her on a tour and behind the scenes visit. On returning home, she gave a talk to museum staff about the Camera Obscura in Edinburgh.



The first African Freshwater Entomology Workshop (AFRESH1) was organised by Dr Klaas-Douwe 'KD' Dijkstra (Naturalis Biodiversity Center, Leiden, The Netherlands; Conservation Ecology and Entomology, Stellenbosch University, South Africa – funded by the JRS Biodiversity Foundation) and Dr Helen James (Albany Museum's Department of Freshwater Invertebrates – funded by the NRF), with several invited speakers. Seventy delegates representing 20 African countries south of the Sahara, and Madagascar, met at Midmar View Resort near Howick, KwaZulu-Natal, South Africa, from 1-7 February 2016. This was the most diverse group of African freshwater scientists, biodiversity experts, environmental consultants and conservationists to ever meet under one roof, making it an historic event. The group met to discuss the future of freshwater research across the continent. The common goal is to join forces and work together to improve knowledge of the diversity of life inhabiting the freshwater ecosystems of this region and to jointly decide how to approach furthering knowledge in a collaborative manner. Conclusions can be seen at <https://science.naturalis.nl/media/medialibrary/2016/02/MidmarMemorandum.pdf>

The group "AFRESH" will continue as an international African researchers meeting in future.



Delegates at the AFRESH1 workshop in February 2016.

Visitors: Many students visited the department. Volunteer second year Entomology student Ms Nompumeleo Baso worked with us for 3 weeks in early December, assisting Mr Mlambo with sorting and identifying samples from temporary water bodies.

Other noteworthy visitors included:

Dr Mark Graham and Mr Juan Tedder (GroundTruth consultancies) May 4-7.

Prof Daniel Okeyo (University of Fort Hare) brought second year students to the department on the for their annual aquatic biology excursion. Our department hosted Prof Chris Appleton, expert on African freshwater snails, for a week (5-9 October). Mr Laban Njoroge from Kenya's National Museum 8-19 February to help with specimen identifications. Dr Babatune Amusan from Obafemi Awolowo University, Ile-Ife, Nigeria 8-14 February to help with specimen identifications.

Fundraising:

Drs de Moor and James were each awarded R40 000 from NRF incentive funding and R30 000 each from Rhodes University Research council for research. Mr Mlambo was awarded R40 000 from the Green Matter funding for research, half of which will be used to attend a conference on wetlands in China in 2016. Dr James was awarded R30 000 by Rhodes University to participate in the 2015 Joint Meeting of the XIV International Conference on Ephemeroptera and XVIII International Symposia on Plecoptera in Aberdeen, Scotland.

Dr James submitted two large funding proposals (one to NRF, one to WRC) for research in the Kruger National Park (KNP) Rivers. This is a big collaborative project with Albany Museum, the KNP, SAEON (Phalaborwa), University of Venda, Rhodes University and SAIAB. The NRF application was successful and the research started in September 2015 with a 2 week fieldtrip.

Mr Mlambo was invited to join an NRF funding bid to do research on the freshwater invertebrates in streams in fragmented forests bid with Prof Mike Cherry (University of Stellenbosch) which was successful.

Dr James is part of a consortium of African museums who applied for Global Biodiversity Information Facility (GBIF) funding databasing of insect collections, for € 10 000 which will be awarded in the next financial year (2016-2017). In the meantime, both Mr Weeks and Mr Soxujwa were paid from dwindling SGF, but funding is now available for sample sorting from the NRF Kruger Park Rivers funding. Some funding came in from lecturing and running biomonitoring assessments. Other project proposals in the next annual cycle are set to address this problem.

Dr James also submitted a substantial funding proposal to the JRS Biodiversity Foundation, to produce identification guides to freshwater insects of Africa, which was not successful.

Motivations were submitted for funding for a post-doctoral fellowship candidate for assisting with Kruger National Park river project from 2016-2018. This was successful and a new post doc will start in the next reporting period. Funding applications were submitted for hosting a second post-doctoral fellow candidate in 2016 to assist with descriptions of new mayfly species. This was successful, and Ms Pereira da Conceiçao will stay on with FWI for another year.

Meetings:

Mr Mlambo participated in the NRF Foundational Biodiversity Information Programme (FBIP) Forum at Pretoria to learn about FBIP funding application procedures. Dr James participated in meeting at SANBI in Pretoria about DST funding for natural sciences collection facilities in museum (3-5 August). Several other meetings were attended, including a labour relations meeting 13 August; a meeting in King Williamstown with other museum representatives and Mrs Mafu (DSRAC head office) regarding the proposed DST funding to support museum natural science collections (30 September); finance training workshop 7 October.

Dr James attended general Rhodes University Science Faculty meetings, and special Research Committee Science Faculty meetings. In February 2016 Dr de Moor attended a WRC steering committee meeting in Hilton. Dr James hosted SANBI and Eastern Cape Museums meeting at the Albany Museum (14th May), run by Michelle Hamer from SANBI. Mr Mlambo attended a Water Research Commission (WRC) 101 workshop in Bellville, Western Cape to learn about the ins and outs of WRC funding application procedures.

Dr James was elected on to the Board of Directors for the Freshwater Working Group for the Society for Conservation Biology (SCB) based in USA. (see: <https://conbio.org/groups/working-groups/freshwater/>). Participated in 1st online SCB board meeting 8th March from 6pm.

General:

Dr James submitted a HSCR survey on behalf of the museum researchers, collating reports from other departments.

No consultancies were undertaken during the period.

Publications, reports, presentations:**Publications:**

Barber-James H.M. 2015. Chapter 8. Ephemeroptera. In: Griffiths, C., Picker, M. and Day J.A, (eds). Field-guide to freshwater life in southern Africa. Pp. 140-151. Struik. ISBN 978-1-77584-102-9.

Barber-James, H.M. and de Moor, F.C. (in press). Mating behaviour and life history of the Prosopistomatidae (Ephemeroptera) derived from studies of morphology. Proceedings of the Joint XIII International Conference on Ephemeroptera, XVII International Symposium on Plecoptera.

de Moor, F.C. 2015 Oct. Chapter 16. Trichoptera. In: Griffiths, C., Picker, M. and Day J.A, (eds). Freshwater life: a fieldguide to the plants and animals of southern Africa. Pp. 228-239. Struik. ISBN 978-1-77584-102-9.

de Moor F.C. and McIlIeron W.G. (in press). Preliminary observations of flight activity of Trichoptera in the southern Cape, South Africa. In: Vshivkova T.S. and Morse J. (Eds). Proceedings of the 14th International Symposium on Trichoptera. Magnolia Press, New Zealand Zoosymposia

de Moor F.C. (in press). Chapter 32 on Simuliidae. In: Manual of Afrotropical Diptera (ed. Kirk-Spriggs A.)

Mey W. and de Moor F.C. (submitted). The Trichoptera (Insecta) of the lower Kunene River in Namibia and Angola.). Proceedings of the 15th International Symposium on Trichoptera. Magnolia Press, New Zealand Zoosymposia

de Moor F.C. and Bellingan T.A. (submitted). Evaluation of the conservation requirements of Trichoptera from the Tsitsikamma mountain streams in South Africa.). Proceedings of the 15th International Symposium on Trichoptera. Magnolia Press, New Zealand Zoosymposia

Conference and workshop presentations:

Pereira-da-Conceicao L.L. and Barber-James H.M. 2015. Paleo-drainage patterns and effects on the distribution of Teloanodidae (Ephemeroptera) – a South African example. XIV International Conference on Ephemeroptera and XVIII International Symposium on Plecoptera. The James Hutton Institute, Aberdeen Scotland 31 May-5 June 2015. Abstract O23 p. 24. Oral paper.

Barber-James H.M. and Taylor, C.L. 2015. Investigating disjunct distribution patterns in closely related mayflies between the Palaearctic and Southern Africa regions. XIV International Conference on Ephemeroptera and XVIII International Symposium on Plecoptera. The James Hutton Institute, Aberdeen Scotland 31 May-5 June 2015. Abstract O24 p. 24. Oral paper.

Barber-James H.M., Monaghan M.T., Pereira-da-Conceicao L.L and Schletterer, M. 2015. Is *Prosopistoma penigerum* (Müller, 1785) only one species? A preliminary molecular assessment. XIV International Conference on Ephemeroptera and XVIII International Symposium on Plecoptera. The James Hutton Institute, Aberdeen Scotland 31 May-5 June 2015. Abstract P1 p. 29. Poster paper.

Barber-James H.M. and Pereira-da-Conceicao L.L. 2015. Mayflies as tools for conservation – examples from the Western Cape, South Africa. Joint Entomological Society of Southern Africa XIX Congress, Zoological Society of Southern Africa XXXVII Congress, 12 – 17 July 2015, Grahamstown, South Africa. Abstract p. 9. Oral paper.

Barber-James H.M. 2015. Traits and taxonomy: can museum databases link to functional trait analysis for water resources monitoring – using the Albany Museum Freshwater Invertebrate database as an example. Workshop on the use of traits in water resources monitoring. Tuesday 24 November 2015. Environmental Learning Research Centre, Rhodes University. Oral paper, Invited speaker.

Barber-James H.M. 2016. How to collect and preserve aquatic insects. Oral presentation at: First AFRESH (African Freshwater Entomology Workshop), Howick, Lake Midmar, KwaZulu-Natal 1-7 February 2016.

Barber-James H.M. 2016. Identification tips for African mayfly nymphs and adults. Oral presentation at: First AFRESH (African Freshwater Entomology Workshop), Howick, Lake Midmar, KwaZulu-Natal 1-7 February 2016.

de Moor F.C. and Bellingan T. A. 2015 Jul. Evaluation of the conservation requirements of Trichoptera from the Tsitsikamma mountain streams in South Africa. Oral presentation

Abstract No. 28. In: Abstracts 15th International Symposium on Trichoptera. Rutgers University, New Brunswick, New Jersey, USA 4-8 July 2015.

de Moor F.C. 2016 Feb. Caddisflies AKA Underwater Architects: A not-so-small Order of Insects. Oral presentation at: First AFRESH (African Freshwater Entomology Workshop), Howick, Lake Midmar, KwaZulu-Natal 1-7 February 2016.

Mlambo M.C. 2015. Traits and functional ecology. Workshop on the use of traits in water resources monitoring. Tuesday 24 November 2015. Environmental Learning Research Centre, Rhodes University. Oral paper, Invited speaker.

Mlambo M.C. Barber-James H.M., Matiwane M, Pereira-da-Conceicao LL and Sonamzi B. 2016. A matter of time: Invertebrate communities in ephemeral pans. Scifest March 2016.

Reviews:

Dr James was External Examiner for MSc thesis July 2015 (University of Pretoria) and PhD thesis December 2015 (University of Zagreb, Croatia), and sat on examination panels for four Rhodes University PhD candidates between January and March 2016.

Mr Mlambo reviewed abstracts for the Young Water Professionals conference to be held in Pretoria November. Dr James reviewed a funding application for NRF (CPPR- competitive program for rated researchers) (23 September). Dr de Moor reviewed proposals of NRF projects for Mr T A Bellingan (SAIAB) and Dr J A Simaika (University of Stellenbosch). Reviewed NRF rating proposal for Dr J A Simaika. Reviewed WRC proposal for project by Dr J Simaika.

Multiple manuscripts for international journals were reviewed by departmental staff. Dr de Moor Reviewed manuscripts for Aquatic Insects (2), Hydrobiology (2), Water SA (1), Zootaxa (1); Dr James for Ecological Indicators (1), European Journal of Taxonomy (1), Systematic Entomology (2), Zoosymposia (4), Zootaxa (1). Mr Mlambo for African Journal of Aquatic Sciences (1).

SELMAR SCHONLAND REPORT



The Selmar Schonland Herbarium continues to provide scientific support to Rhodes University researchers and students as well as South African and international botanists. This year visitors from the South African National Biodiversity Institute, University of Cape Town, Fort Hare University, Nelson Mandela Metro University and Alicante University used the herbarium.

The herbarium also provides plant species identifications and botanical information to a wide range of users including during this period several environmental consultants, schools, traditional healers, journalists, South African National Parks, East Cape Parks and Tourism, Working for Water, Dept. of Agriculture, Forestry and Fisheries, SAPS, State and private Veterinary Services, private nature reserves, local and district municipalities, local press, societies, clubs, nurseries and gardeners. A total number of 738 visitors used the herbarium facilities during the year.

The herbarium schools education programme continued its collaboration with Rhodes University's Inkubeko Nendalo project and welcomed groups of school pupils from 6 local schools during the year.

Researchers who are unable to visit the herbarium are able to request loans of specimens through recognized herbaria worldwide. During this period 6 loans were requested for study purposes from GRA. The herbarium continues to grow as new specimens are deposited by students and researchers and these become available for study as they are incorporated into the collection. A gift of 75 specimens was received from SANBI.

A total number of 1058 data of herbarium specimens have been captured using the Botanical Research and Herbarium Management System (BRAHMS). A total number of 2396 plant specimens were mounted and 1848 of them were filed from 1 April 2015 to 31 March 2016.

Herbarium staff continued their own research and published 5 peer reviewed scientific papers during this period (see below). Collaborative research with Alicante University (Spain) on the genus *Massonia* continues with several new species being undescribed in preparation of a revision. Mr Cimi presented a paper at the South African Museums Association (SAMA) national conference in Durban (KZN) on the 29th of October 2015.

Fieldwork is an important aspect of the herbarium's ongoing research activities. Mr Dold collected plant specimens from Hogsback, Humansdorp, Graaf Reinet, Baviaanskloof, Addo, and Kei Mouth.

During the reporting period funding was accessed from SANBI for the contract employment of a suitable candidate for a period of one year to digitise and image ± 57 thousand herbarium specimens towards the national BioGaps project. In addition two smaller focussed efforts are underway, each with their own funding, to digitise our entire Orchid holdings and a further 6000 specimens collected by Dr Ralph Clark on the Eastern Escarpment.

The herbarium plays an important role in teaching at Rhodes University. Mr Dold lectured the 2016 second year class of botany students on herbarium practice and ethnobotany for two weeks in February and took 17 students to Fort Fordyce Nature Reserve for a two-day specimen collection excursion as part of their training. These students collect 30 specimens each for assessment. All the specimens are housed in the Schonland Herbarium adding to the collection and knowledge of the reserve and region.

From June 2013 to November 2015 the herbarium hosted South African National Biodiversity Institute's (SANBI) Groen Sebenza project. Groen Sebenza aims to empower graduates in the Environmental Sector as well as to introduce matriculants to potential careers in the Biodiversity Sector. Three 'pioneers', employed by Groen Sebenza, collected approximately 500 valuable plant specimens for the herbarium. A fourth pioneer, Mr Somi Gcuwa, was seconded to the herbarium for 9 months in 2015 and is still a valuable member of the herbarium. From October 2015 to March 2017 he is employed by the South African Botanical Society to continue working in the Selmar Schonland Herbarium. To date he has mounted 1700 new specimens, incorporated 850 new specimens in the herbarium and has made significant progress with databasing existing specimens into the new Brahms database.

The herbarium is key to the Grahamstown node of the Custodians of Rare and Threatened Wildflowers (CREW). The CREW project, a SANBI initiative, is supported by the herbarium. Data is shared and Mr Dold identifies the plant specimens for the ten volunteers. CREW is a citizen science project that focuses on documenting rare and threatened plants. The Grahamstown node began in mid-2014 and has documented a number of rare plants in the region with citizen science participants from Grahamstown, Kenton-on-Sea and Port Alfred.

The herbarium was professionally fumigated December 2015. Two new herbarium cabinets were purchased.

We thank our regular volunteers Heather Surridge and Jean Kelly for their ongoing valuable work in the herbarium.

Peer Reviewed Publications:

Bentley, L., Barker, N.P. & Dold, A.P. 2015. Genetic diversity of the endangered *Faucaria tigrina* (Aizoaceae) through ISSR "fingerprinting" using automated fragment detection. *Biochemical Systematics and Ecology* 58:156-161.

Martínez-Azorín, M., Crespo, M.B., Dold, A.P., Pinter, M. & Wetschnig, W. 2015. New combinations and lectotype designations in Asparagaceae subfam. Scilloideae. *Phytotaxa* 201 (2): 165–171.

Martínez-Azorín, M., Crespo, M.B., Dold, A.P., Pinter, M. & Wetschnig, W. 2015. *Stellarioides exigua* (Asparagaceae, Scilloideae), a new species from South Africa. *Phytotaxa* 204 (2): 137–146.

Martínez-Azorín, M., Dold, A.P., Pinter, M., Slade, J.M., Crespo, M.B., Milkuhn, G. & Wetschnig, W. 2015. *Masonia obermeyerae* (Asparagaceae, Scilloideae), a new species from South Africa. *Phytotaxa* 205 (1): 39–50

Clark, V.R., Bentley, J., Dold, A.P., Zikishe, V. & Barker, N.P. 2016. The rediscovery of the Great Winterberg endemic *Lotononis harveyi* B.–E.van Wyk after 147 years, and notes on the poorly known Amathole endemic *Macowania revoluta* Oliv. (southern Great Escarpment, South Africa). *PhytoKeys* 62: 113–124.

ALBANY MUSEUM - GRAHAMSTOWN

ANNUAL FINANCIAL STATEMENTS

for the year ended 31 March 2015

ALBANY MUSEUM - GRAHAMSTOWN
ANNUAL FINANCIAL STATEMENTS
for the year ended 31 March 2015

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ALBANY MUSEUM - GRAHAMSTOWN**STATEMENT OF TRUSTEE'S RESPONSIBILITY****for the year ended 31 March 2015****ANNUAL FINANCIAL STATEMENTS**

The annual financial statements have been prepared by management in accordance with Entity-specific Accounting Policies as set out in the notes to the annual financial statements and in the manner required by the audit Circular 1 of 2007 and read with General Notice 648 of 2007, issued in Government Gazette no. 29919 of 25 May 2007. They are based on accounting policies, which have been consistently applied and which are supported by reasonable and prudent judgements and estimates.

The Board of Trustees of the museum are responsible for the preparation of annual financial statements that fairly present the state of affairs and the results of the museum. The external auditors are responsible for independently auditing and reporting on these annual financial statements, in conformity with the International Standards on Auditing.

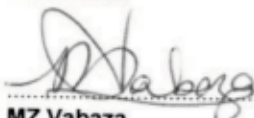
INTERNAL CONTROLS

The Board of Trustees is responsible for the museum's systems of internal control. These systems are designed to provide reasonable, but not absolute assurance as to the integrity and reliability of the annual financial statements and to safeguard and maintain accountability of its assets and to detect and minimise significant fraud, potential liability, loss and material misstatement while complying with applicable laws and regulations. The controls concentrate on critical risk areas. These areas are identified by operational management and are closely monitored. Nothing has come to the attention of the Board of Trustees to indicate that a material breakdown in the controls within the museum has occurred during the year.

GOING CONCERN

The Board of Trustees have recorded that they have reasonable expectation that the museum has adequate resources and the ability to continue in operation for the foreseeable future. For these reasons, the annual financial statements have been prepared on a going concern basis.

The attached annual financial statements are set out on pages 4 to 17 were approved by the Board of Trustees on 9 December 2015 and the museum manager authorised to sign the annual financial statements.



MZ Vabaza
Museum Manager



INDEPENDENT AUDITOR'S REPORT TO THE TRUSTEES OF ALBANY MUSEUM - GRAHAMSTOWN

We have audited the financial statements of Albany Museum - Grahamstown set out on pages 5 to 17, which comprise the statement of financial position as at 31 March 2015, and the statement of financial performance, statement of changes in net assets and statement of cash flows for the year then ended, and the notes, comprising a summary of significant accounting policies and other explanatory information.

Trustees' Responsibility for the Financial Statements

The museum's trustees are responsible for the preparation of the financial statements in accordance with the basis of accounting described in note 1 to the financial statements for determining that the basis of preparation is acceptable in the circumstances and for such internal control as the trustees determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with International Standards on Auditing. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our qualified audit opinion.

Basis for Qualified Opinion

Cash collections is a source of revenue for the museum. The trustees have determined that it is not feasible for the entity to establish internal controls over cash collections from donations, visitors' fees and other similar forms of income, prior to initial entry into its financial records. We were therefore unable to confirm whether all cash collections were recorded.



Opinion

In our opinion, except for the effects of the matter described in the Basis for Qualified Opinion, the financial statements of Albany Museum - Grahamstown for the year ended 31 March 2015 are prepared, in all material respects, in accordance with the basis of accounting described in Note 1 to the financial statements.

Basis of Accounting

Without modifying our opinion, we draw attention to Note 1 to the financial statements, which describes the basis of accounting. The financial statements are prepared to provide financial information to the museum's trustees. As a result, the financial statements may not be suitable for another purpose.

PricewaterhouseCoopers Inc.

PricewaterhouseCoopers Inc.
Director: A Rathan
Registered Auditor
Port Elizabeth
09 December 2015

ALBANY MUSEUM - GRAHAMSTOWN

REPORT OF THE MUSEUM DIRECTOR

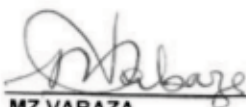
for the year ended 31 March 2015

The Albany Museum has focused its operations and administration, curation of collections by various departments, preventative conservation of artefacts, educational programmes and research. As an institution, we have attracted visitors from different walks of life for both academic and non-academic activities.

We have been supported mainly by the Department of Sport, Recreation, Arts and Culture for the curation of our collections, as well as funding entities namely: National Lotteries Distribution Trust Fund (NLDTF), the National Research Foundation (NRF), Centre of Excellence in Palaeosciences (COE), the South African National Biodiversity Institute (SANBI) and various organisations that we do consultation work for, in order to continue our research work. Visitors are charged nominal entrance fees to help with the day to day running of the museum.

As the museum, we collaborate with various institutions and various individual reserachers on matters of mutual interest. We assist academics and general public or public institutions in identification of various plant and animal species. To supplement the income we receive from the government, the board of trustees opted to lease some of the buildings belonging to the museum, as a result we are effectively operating from three buildings in the city and we pay for municipal services, electricity and the general maintenance of those buildings. We are also hosting some of the exhibitions during the National Arts Festival (NAF) and the Science Festival (SciFest).

In all our operations as the museum, we always try to be economic, effective and efficient. We strive to service the public with integrity.



MZ VABAZA
MUSEUM MANAGER

ALBANY MUSEUM - GRAHAMSTOWN

STATEMENT OF FINANCIAL POSITION

at 31 March 2015

	Notes	2015 R	2014 R
ASSETS			
Non-current assets		2,743,258	2,590,537
Property, plant and equipment	2	1,748,258	1,595,537
Investment property	3	995,000	995,000
Current assets		6,933,425	6,433,597
Trade and other receivables	4	165,784	137,657
Cash and cash equivalents	5	6,767,641	6,295,940
Total assets		<u>9,676,683</u>	<u>9,024,134</u>
EQUITY AND LIABILITIES			
Capital and reserves		9,564,211	8,916,959
Accumulated surplus		6,155,781	5,247,254
Special project funds	6	-	46,098
Other funds	7	578,425	765,521
Departmental project funds	8	1,812,414	1,931,016
Revaluation reserve		1,017,591	927,070
Current liabilities		112,472	107,175
Current income tax payable		18,445	11,317
Trade and other payables	9	94,027	95,858
Total equity and liabilities		<u>9,676,683</u>	<u>9,024,134</u>

ALBANY MUSEUM - GRAHAMSTOWN
STATEMENT OF FINANCIAL PERFORMANCE
for the year ended 31 March 2015

	Notes	2015 R	2014 R
Income		2,609,115	4,009,764
Administration levy - researchers		55,979	36,636
Bad debts recovered		-	26,150
Donations received		7,337	5,583
Net interest received		157,935	138,287
Net rentals received		208,199	215,307
Other income		39,788	31,022
Overprovision of VAT expense		-	60
Profit on disposal of vehicles		-	18,421
Provincial grants		1,616,000	1,660,000
Visitor fees		20,341	20,182
Income from departmental project funds	8	492,298	1,185,583
Income from other funds		11,238	672,533
Expenses		1,954,730	2,809,568
Overheads	10	1,040,957	1,108,896
Departmental running costs:			
Anthropology		7,740	70
Archaeology		10,176	1,748
Commission and marketing		1,175	-
Earth sciences		6,950	6,211
Education		4,189	-
Education - mobile museum service		1,837	54
Entomology		10,467	4,530
Exhibitions		17,893	14,371
Finance		7,300	1,132
Freshwater invertebrates		8,638	14,535
General Support		4,983	1,471
Herbarium		4,972	16,049
History		10,578	9,995
Management		10,183	8,347
Technical Services		40,672	24,540
Visitor Services		6,757	3,592
Expenditure of departmental project funds		637,816	1,526,547
Expenditure of other funds		121,447	67,480
Surplus from normal operations		654,385	1,200,196
Tax expense		(7,133)	(8,318)
Net surplus for the year		647,252	1,191,878

ALBANY MUSEUM - GRAHAMSTOWN
STATEMENT OF CHANGES IN NET ASSETS

for the year ended 31 March 2015

	Accumulated surplus	Departmental project funds	Special project funds	Other funds	Revaluation/ Fixed Asset Reserve	Total
	R	R	R	R	R	R
Balance at 31 March 2013	3,999,465	2,345,226	46,098	160,468	927,070	7,478,327
Net surplus for the year	1,191,878	-	-	-	-	1,191,878
Transfer of funds for the year	(264,089)	(340,964)	-	605,053	-	-
Utilisation of funds	320,000	(73,246)	-	-	-	246,754
Balance at 31 March 2014	5,247,254	1,931,016	46,098	765,521	927,070	8,916,959
Net surplus for the year	647,252	-	-	-	-	647,252
Transfer of funds for the year	255,727	(145,518)	-	(110,209)	-	-
Reallocation of funds	-	122,985	(46,098)	(76,887)	-	-
Other additions	-	(96,069)	-	-	96,069	-
Funds utilised	5,548	-	-	-	(5,548)	-
Balance at 31 March 2015	6,155,781	1,812,414	-	578,425	1,017,591	9,564,211

Notes

8 6 7

ALBANY MUSEUM - GRAHAMSTOWN

STATEMENT OF CASH FLOWS

for the year ended 31 March 2015

	Notes	2015 R	2014 R
Cash flow from operating activities			
Cash generated from operations	13	529,511	1,525,361
Tax paid		-	-
Net cash inflow from operating activities		<u>529,511</u>	<u>1,525,361</u>
Cash flow from investing activities			
Purchase of property, plant and equipment	2	(271,724)	(38,840)
Interest received		213,914	174,923
Utilisation of funds		-	(73,246)
Net cash (outflow)/inflow from financing activities		<u>(57,810)</u>	<u>62,837</u>
Net increase in cash and cash equivalents		471,701	1,588,198
Cash and cash equivalents at beginning of year		<u>6,295,940</u>	<u>4,707,742</u>
Cash and cash equivalents at end of year	5	<u><u>6,767,641</u></u>	<u><u>6,295,940</u></u>

ALBANY MUSEUM - GRAHAMSTOWN
NOTES TO THE FINANCIAL STATEMENTS
for the year ended 31 March 2015

1. ACCOUNTING POLICIES

The principal accounting policies applied in the preparation of these financial statements are set out below.

1.1 Basis of preparation

The financial statements have been prepared in accordance with the Entity-specific Accounting Policies detailed below. The financial statements have been prepared under the historical cost convention except as disclosed in the accounting policies below. The policies used in preparing the financial statements are consistent with those of the previous years.

1.2 Income

Income is recognised at the fair values of the consideration received or receivable for goods or services rendered.

Donations, visitors' fees and gifts are recognised on receipt.

Interest is recognised using the effective interest rate method taking account of the principal amount outstanding and the effective interest rate over the period to maturity.

State appropriations and grants for operational purposes are recognised as income in the statement of financial performance in the financial year to which the income relates.

Income from services is recognised in the accounting period in which the services are rendered.

1.3 Property, plant and equipment

Land and buildings are regarded as long term assets and are held at cost.

No depreciation has been provided for on buildings as the anticipated residual values are believed to be in excess of the carrying values.

Furniture and equipment on hand as at 31 March 1999 has been recorded at a nominal value.

Property, plant and equipment purchased from departmental project funds, special funds and other funds are capitalised at cost less any grant funding received.

All other items of property, plant and equipment are stated at cost and depreciated over periods deemed appropriate to reduce book values to estimated residual values over their useful lives. Depreciation is calculated on the straight-line basis using the following rates:

Equipment	16.67%
Motor vehicles	20%
Furniture and fittings	16.67%

The assets' residual values and useful lives are reviewed periodically, and adjusted if appropriate.

ALBANY MUSEUM - GRAHAMSTOWN
NOTES TO THE FINANCIAL STATEMENTS
for the year ended 31 March 2015 (continued)

1. ACCOUNTING POLICIES (continued)

1.3 Property, plant and equipment (continued)

Gains and losses on disposals are determined by comparing the proceeds with carrying amount and are recognised in the statement of financial performance.

Subsequent costs are included in the asset's carrying amount or recognised as a separate asset, as appropriate, only when it is probable that future economic benefits associated with the item will flow to the museum and the cost of the item can be measured reliably. All other repairs and maintenance costs are charged to the statement of financial performance during the financial period in which they are incurred.

1.4 Investment property

Investment property comprises of buildings that are let out to tenants and are not occupied by the museum. Investment property is carried at deemed cost, representing the most recent valuation performed. Valuations are performed only when significant impairment indicators have been identified. Changes in fair value are recorded in the statement of financial performance and then transferred to the revaluation reserve. No depreciation has been provided on investment property.

1.5 Impairment of non-financial assets

Assets that have an indefinite useful life are not subject to amortisation and are tested annually for impairment. Assets that are subject to amortisation are reviewed for impairment whenever an event or changes in circumstance indicate that the carrying amount may not be recoverable. An impairment loss is recognised for the amount by which the asset's carrying amount exceeds its recoverable amount. The recoverable amount is the higher of an asset's fair value less costs to sell and value in use. For the purpose of assessing impairment, assets are grouped at the lowest levels for which there are separately identifiable cash flows (cash generating units).

1.6 Cash and cash equivalents

Cash and cash equivalents are carried in the statement of financial position at face value. Cash and cash equivalents comprise cash on hand, deposits held on call with banks, and investments in money market instruments.

1.7 Trade and other receivables

Trade and other receivables are carried at original invoice price less any provisions made for impairment of these receivables. Significant financial difficulties of the debtor, probability that the debtor will enter bankruptcy and default, or delinquency in payments are considered indicators that the trade receivables are impaired.

1.8 Trade and other payables

Trade payables are recognised initially at the transaction price and subsequently measured at amortised cost using the effective interest method. Provisions are measured at present value of the amount expected to be required to settle the obligation.

ALBANY MUSEUM - GRAHAMSTOWN
NOTES TO THE FINANCIAL STATEMENTS
for the year ended 31 March 2015 (continued)

1. ACCOUNTING POLICIES (continued)

1.9 Leases

Leases of assets where the museum assumes substantially all the benefits and risks of ownership are classified as finance leases. Finance leases are capitalised at inception at the estimated present value of the underlying lease payments. Each lease payment is allocated between the liability and finance charges so as to achieve a constant rate on the finance balance outstanding. The corresponding lease obligations, net of finance charges, are included in borrowings. The interest element of the finance lease payment is charged to the statement of financial performance over the lease period. The assets acquired under finance leasing contracts are depreciated over the shorter of the useful life of the asset, or the lease period. Where a lease has an option to be renewed, the renewal period is considered when the period over which the asset will be depreciated is determined.

Leases of assets under which substantially all the risks and benefits of ownership are effectively retained by the lessor are classified as operating leases. Payments made under operating leases are charged to the statement of financial performance on a straight-line basis over the period of the lease.

When an operating lease is terminated before the lease period has expired, any payment required to be made to the lessor by way of a penalty is recognised as an expense in the period in which termination takes place.

1.10 Current tax

The tax expense for the period comprises current tax. Tax is recognised in the statement of financial performance.

The current income tax charge is calculated on the basis of the tax laws enacted or substantively enacted at the statement of financial position date in the countries where the museum operates and generate taxable income. Management periodically evaluates positions taken in tax returns with respect to situations in which applicable tax regulation is subject to interpretation. It establishes provisions where appropriate on the basis of amounts expected to be paid to the tax authorities.

ALBANY MUSEUM - GRAHAMSTOWN

NOTES TO THE FINANCIAL STATEMENTS

for the year ended 31 March 2015 (continued)

2. Property, plant and equipment	Land and buildings		Equipment		Motor vehicles		Furniture and fittings		Total fixed assets	
	R		R		R		R		R	
Year ended 31 March 2015										
Opening net book value	1,335,058		86,244		164,186		10,049		1,595,537	
Additions	-		271,724		-		-		271,724	
Depreciation for the year	-		(52,412)		(63,555)		(3,036)		(119,003)	
Closing net book amount	1,335,058		305,556		100,631		7,013		1,748,258	
Total cost	1,335,058		730,843		632,061		65,011		2,762,973	
Accumulated depreciation	-		(425,287)		(531,430)		(57,998)		(1,014,715)	
	1,335,058		305,556		100,631		7,013		1,748,258	
Year ended 31 March 2014										
Opening net book value	1,335,058		75,030		227,741		7,983		1,645,812	
Additions	-		34,466		-		4,374		38,840	
Depreciation for the year	-		(23,252)		(63,555)		(2,308)		(89,115)	
Closing net book amount	1,335,058		86,244		164,186		10,049		1,595,537	
Total cost	1,335,058		459,124		632,061		65,011		2,491,254	
Accumulated depreciation	-		(372,880)		(467,875)		(54,962)		(895,717)	
Closing net book value	1,335,058		86,244		164,186		10,049		1,595,537	

ALBANY MUSEUM - GRAHAMSTOWN
NOTES TO THE FINANCIAL STATEMENTS
for the year ended 31 March 2015 (continued)

2. Property, plant and equipment (continued)

Land and buildings comprise	2015 R	2014 R
Land at cost	37,640	37,640
Natural Sciences building - situated on erven 3215, 3216 and 3217 Grahamstown	853,128	853,128
1820 Settler Museum Building - situated on erf 3218 Grahamstown	415,020	415,020
Observatory Museum - situated on erf 7249 Grahamstown - Buildings at cost	29,270	29,270
	<u>1,297,418</u>	<u>1,297,418</u>
Total land and buildings	<u><u>1,335,058</u></u>	<u><u>1,335,058</u></u>

3. Investment property

Building	995,000	995,000
Cost	67,930	67,930
Valuation adjustment	927,070	927,070
	<u>995,000</u>	<u>995,000</u>

Description of freehold land and buildings

"Priest's House", situated in the Municipality of the city of Grahamstown, Division of Grahamstown, being Erf 6381. The property is unencumbered.

Independent valuation of freehold land and buildings:

"Priest's House", Grahamstown was valued by Pam Golding Properties registered valuers on 3 August 2006, being the market value of the property on 31 March 2006.

ALBANY MUSEUM - GRAHAMSTOWN
NOTES TO THE FINANCIAL STATEMENTS
for the year ended 31 March 2015 (continued)

	2015 R	2014 R
4. Trade and other receivables		
Trade receivables	104,788	353,766
Provision for bad debts	<u>(7,300)</u>	<u>(218,864)</u>
	97,488	134,902
Prepayments	2,755	2,755
South African Revenue Services - VAT	65,541	-
	<u>165,784</u>	<u>137,657</u>
The carrying value of trade and other receivables approximates their carrying values.		
5. Cash and cash equivalents		
Cash at bank and on hand	3,604,424	3,290,658
Short term deposits	<u>3,163,217</u>	<u>3,005,282</u>
	<u>6,767,641</u>	<u>6,295,940</u>
6. Special project funds		
Umjelo project	-	46,098
	<u>-</u>	<u>46,098</u>
7. Other funds		
Annals fund	-	9,970
D Sulter bequest	15,000	15,000
E Carey bequest	90,297	90,297
Earth Sciences - COE fund	9,611	-
Forts and towers project	-	4,159
History - A& H Paterson fund	422,505	422,505
Planisphere Repurchase fund	7,270	10,089
Pocock fund	30,953	30,953
Visitors services	2,789	182,548
	<u>578,425</u>	<u>765,521</u>

ALBANY MUSEUM - GRAHAMSTOWN

NOTES TO THE FINANCIAL STATEMENTS

for the year ended 31 March 2015 (continued)

8. Departmental project funds	Balance at 31 March 2014	Income		Expenditure		Transfers		Balance at 31 March 2015
	R	R		R		R		R
Anthropology funds	24,303	52		(4,419)		-		19,936
Archaeology funds	933,217	40,461		(82,569)		-		891,109
Archaeology - L Webley	21,481	1,417		(20,153)		-		2,745
Education funds	18,225	664		(1,000)		-		17,889
Entomology funds	(40,430)	7,018		(2,993)		-		(36,405)
Exhibitions	111,993	59,027		(98,914)		-		72,106
Finance	38,000	-		(2,041)		-		35,959
Freshwater invertebrate funds	408,877	36,966		(103,195)		(126,011)		216,637
Genealogy funds	1,668	100		(614)		-		1,154
Earth sciences funds	(21,723)	229,323		(200,788)		124,141		130,953
Herbarium funds	82,807	-		(2,534)		-		80,273
History funds	17,676	7,220		(8,182)		-		16,714
Ichthyology funds	43,063	26,933		(55,561)		-		14,435
Library funds	1,137	-		-		9,970		11,107
Technical Services	15,215	919		(15,668)		-		466
Public relations	120	50,257		-		-		50,377
Mobile museum	(30,161)	31,941		-		-		1,780
- Makana Municipality - Busy Bee Project	4,377	-		-		(4,377)		-
- National Lottery	172,370	-		(135,253)		-		37,117
Personnel funds	(12,132)	-		-		-		(12,132)
Administration project fund	-	-		-		119,261		119,261
Nonkobe Museum Project	140,933	-		-		-		140,933
	1,931,016	492,298		(733,884)		122,984		1,812,414

ALBANY MUSEUM - GRAHAMSTOWN

NOTES TO THE FINANCIAL STATEMENTS

for the year ended 31 March 2015 (continued)

	2015 R	2014 R
9. Trade and other payables		
Trade payables	16,027	15,390
South African Revenue Services - VAT	-	6,468
Other current liabilities	78,000	74,000
	<u>94,027</u>	<u>95,858</u>
10. Overheads		
Audit fees - Current year audit fee	78,000	74,000
- Other	40,791	33,914
Bad debts	-	223,208
Bank charges	16,738	15,973
Depreciation	119,003	89,115
Fuel	101,387	89,636
Insurance	121,583	125,155
Licenses	2,256	7,590
Net electricity, rates and water expenses	245,117	125,081
Repairs and maintenance	76,384	91,117
Security	27,990	25,544
Telephone	67,300	63,496
Other operating expenses	144,408	145,067
	<u>1,040,957</u>	<u>1,126,095</u>

11. Related parties

The Albany Museum is administered by a Board of Trustees who have custodianship of all the Museum's moveable and immovable property and other assets. However, 11 of the 12 board members are appointed by the Eastern Cape Department of Sports, Arts and Culture, and therefore the Department can exert significant influence over the museum's financial and operating decisions. Staff of the museum are appointed and remunerated by the Eastern Cape Department of Sports, Arts and Culture. These costs are not recharged to the museum.

Albany Museum is the beneficiary of the Albany Museum Trust. Per the trust deed, the museum is entitled to receive interest earned on the funds invested by the Trust for the benefit of the museum. During the year interest income of R55 979 (2014: R36 636) received to the museum as a result of these investments.

	2015 R	2014 R
12. Taxation		
Taxation - Current year	7,133	8,318
	<u>7,133</u>	<u>8,318</u>

Albany Museum is a tax exempt organisation, however, to the extent that it receives income other than that from ordinary museum activities, such income is subject to tax. The museum does earn other income in the form of rentals from third parties and is therefore subject to tax thereon should certain thresholds be exceeded. Tax arises in the current year as the threshold was exceeded.

ALBANY MUSEUM - GRAHAMSTOWN
NOTES TO THE FINANCIAL STATEMENTS
for the year ended 31 March 2015 (continued)

13. Cash generated from operations	<u>2015</u> R	<u>2014</u> R
Reconciliation of net profit to cash generated from operations:		
Net surplus before taxation	654,385	1,200,196
Adjusted for:		
Interest received - Trust	(55,979)	(36,636)
Interest received - Museum	(157,935)	(138,287)
Depreciation	119,003	89,115
Non - cash movement	-	320,000
Working capital changes		
- (Increase)/decrease in accounts receivable	(28,127)	218,520
- Decrease in accounts payable	(1,836)	(127,547)
Cash generated from operations	<u>529,511</u>	<u>1,525,361</u>

14. Commitments

The museum is committed to a contract for security, this contract is for an indefinite period and can be cancelled by means of notice to the service providers. The monthly charge for this contract is R2 283 (2014: R2 237) per month.



Affiliated Research Institute of Rhodes University

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