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Cover Photo: Professor Tebello Nyokong (centre, without a lab coat) with some of her postgraduate students. Photo: Sophie Smith

Above: Ms Lindelwa Jangidisa, educator at Ngwane Junior Secondary School with local Afro art and craft which she is selling on the internet. Photo: Sophie Smith
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At Rhodes we refer to ourselves by choice as Indawo Yolwazi (A Place of Knowledge) and a research led university, one that prizes scholarship and its influence on all that we do. We are fortunate to be host to an enviable scholarly environment, with an excellent student-staff ratio, amongst the highest percentage of academic staff with doctoral qualifications in the national sector, and amongst the best scholarly outputs per capita as measured by the Department of Higher Education and Training.

The results of the 2011 academic year were celebrated during a bumper graduation weekend in April 2012, in which a record 2 233 degree graduates were capped, 40% of whom were postgraduates, 62% were women, and 20% were international students from 32 different countries. A record number of 55 PhD degrees were awarded. The Science Faculty contributed 34 of them and special congratulations must go to our Chemistry Department which produced 15 PhD graduates as a single department.

Despite these successes, we are putting our energies into further developing our intellectual reputation, and improving programmes and support structures to address some of the major challenges facing South African Universities. Developing a next generation of teacher-scholars is an issue that is high on our priority list, and one that Rhodes University has been working on for a number of years with the financial assistance of the Mellon and Kresge foundations. Our Higher Education PhD programme in the Centre for Higher Education Research, Teaching and Learning is attracting large numbers of students, many of them current academics, from across the sector. Development programmes to increase supervision capacity at Rhodes and at other universities, and administrative processes to provide better support to researchers, are receiving our attention.

The first projects from the Sandisa Imbewu (We are growing/multiplying our seeds) strategic seed fund were launched in 2011, and are already bearing fruit in various ways. There is donor interest in supporting the “taking to market” of a new invention, and the number of NRF rated researchers has increased, particularly in the Humanities. I authored a document which critically reflected on postgraduate studies at Rhodes University and formalized discussions that are intended to take Rhodes forward in growing both the number, and the quality of experience, of postgraduate students. Concrete proposals will be tabled in 2013.

Individual academics continued to receive widespread recognition for their work. Particularly noteworthy were the accolades attracted by Professor Tebello Nyokong. Professor Nyokong was included in the exhibition of the National Center for Research on Human Evolution, Spain, as one of the 12 Names To Change The World, and was invited by the UNESCO Director-General, to sit on the newly announced UNESCO High Panel on Science, Technology and Innovation for Development.

A new rank of Distinguished Professor was introduced to recognize academics of outstanding scholarly reputation and productivity that have brought great distinction to the university through their academic work. The title of Distinguished Professor was conferred for the first time upon Professors Tebello Nyokong (Chemistry), Paul Maylam (History), and Christopher McQuaid (Marine Biology).

The Vice-Chancellor’s Distinguished Senior Research Award for 2011 was awarded to Professor Martin Villet of the Department of Zoology & Entomology, and Professor Paul Maylam of the Department of History, for the national and international impact of their research over a sustained period. The Vice-Chancellor’s Distinguished Research
Award (in the age group 40 and below) for 2011 was awarded to Dr Samantha Vice of the Department of Philosophy, for the impact and influence of her research outputs to date. The Vice-Chancellor's Book Award for 2011 went to Professor Herman Wasserman of the School of Journalism and Media Studies for his book entitled Tabloid Journalism in South Africa: True Story! (2010, Bloomington: Indiana University Press and Cape Town: UCT Press).

Rhodes University’s key institutional role in Radio Astronomy and Space Science was highlighted by the strategic contributions of its graduates. Dr Lee-Anne McKinnell, a graduate and visiting professor in Physics, was appointed in 2011 as Managing Director of the South African National Space Agency’s Space Science Observatory in Hermanus. This added another national leader with a Rhodes doctorate to the leadership list of Dr Sandile Malinga, CEO of the South African Space Agency, Dr Mike Gaylard, Managing Director of the Hartebeesthoek Radio Astronomy Observatory, Professor Justin Jonas, seconded by Rhodes University to the South African SKA/MeerKAT Project as the Chief Scientist, and Dr Adrian Tiplady, the Assistant Project Scientist on the SKA project, and one of the key authors of the international bid to host this facility in Africa.

We believe that the building blocks are in place to renew and reinvent ourselves in critical areas, to ensure that Rhodes will not only remain a distinctive and pre-eminent University in the future, but one that engages with constitutional obligations and socio-economic development challenges to ensure that we effectively serve our society and have a dynamic and sustainable future as a leading University.

I extend my congratulations and thanks to all of our researchers, technicians and support staff, students, collaborators, funders, donors, and partners who contributed to making 2011 a year in which research at Rhodes University continued to flourish. Your expertise, dedication, rigour and generosity make Rhodes University the rich and distinctive intellectual space that it is.

Dr Saleem Badat
Vice-Chancellor
Rhodes University continued to show a gratifying and steady increase in overall accredited research outputs in 2011, and individual increases were experienced in all categories of output. Overall accredited units increased to 639.6 (a 12.7% increase on 2010), with a similar percentage increase in the DHET per capita output figure, which kept Rhodes in the position of third most productive university in South Africa in terms of accredited research.

51% of the outputs were due to publications, 25% to PhD graduations, and 24% to Masters graduations by thesis. The PhD contribution represented a record year, and a 30% increase over the number graduating in the preceding year.

Our journal output, (which accounts for 86% of our total accredited publishing output for higher education subsidy purposes) grew by 5.9% from the 2010 level (to 309.61 units in 2011). The previous year had seen a 3% decline in this category. Coupled with Rhodes’ high volume of accredited journal outputs in relation to its size, a very pleasing quality measure was that 90% of journal outputs (by far the highest proportion of universities in the sector) appeared in international accredited journals.

Our output from accredited conference proceedings, (which in 2011 amounted to 7% of our total accredited publishing output) grew by 3.5% to 24.22 units - from a small base where year-on-year variance in either direction is common.

The book outputs (which in 2011 amounted to 7% of our total accredited publishing output) increased by 162% - again from a small base (moving up to 25.02 units), where year-on-year variance is expected. This category had seen a negative growth of 60.6% in the previous year.

I add my warm thanks and congratulations to all of our researchers, funders, collaborators, partners and students who contributed to the excellent accredited research results of 2011, as well as generated the many forms of scholarship that are not counted in the accreditation exercise, but which contribute much to the rich intellectual space that is Rhodes. I also thank all of the administrators who played a critical role in preparing the university’s meticulous audited submission.

Dr Peter Clayton
Deputy Vice- Chancellor: Research and Development
Rhodes University
Top 30 Researchers

Rhodes University acknowledges and congratulates the following researchers for their accredited research outputs (Journal Publications, Books & Chapters, and Masters/Doctoral students) in 2011:

1. Professor Tebello Nyokong
   Department of Chemistry
2. Professor Nelson Torto
   Department of Chemistry
3. Professor Janice Limson
   Department of Biochemistry, Microbiology & Biotechnology
4. Professor Dan Wylie
   Department of English
5. Professor Perry Kaye
   Department of Chemistry
6. Dr Lee-Ann McKinnell
   Department of Physics
7. Professor Tony Booth
   Department of Ichthyology & Fisheries Science
8. Professor Denis Hughes
   Institute for Water Research (IWR)
9. Professor Charlie Shackleton
   Department of Environmental Science
10. Professor Christopher McQuaid
    Department of Zoology & Entomology
11. Professor Marc Schafer
    Faculty of Education
12. Professor Heila Lotz-Sisitka
    Faculty of Education
13. Dr Noel Pearse
    Rhodes Business School
14. Professor Catriona Macleod
    Department of Psychology

15. Professor Mike Marais
    Department of English
16. Professor Martin Hill
    Department of Zoology & Entomology
17. Professor Chris Whiteley
    Department of Biochemistry, Microbiology & Biotechnology
18. Professor Brenda Schmahmann
    Department of Fine Art
19. Dr Kirk Heliker
    Department of Sociology
20. Professor Alfredo Terzoli
    Department of Computer Science
21. Dr Roman Tandlich
    Faculty of Pharmacy
22. Professor Warick Sauer
    Department of Ichthyology & Fisheries Science
23. Dr Denzil Beukes
    Faculty of Pharmacy
24. Professor Rod Walker
    Faculty of Pharmacy
25. Professor Gavin Fraser
    Department of Economics
26. Dr Leonhard Praeg
    Department of Political & International Studies
27. Professor Nigel Barker
    Department of Botany
28. Dr Dan Parker
    Department of Zoology & Entomology
29. Professor Martin Villet
    Department of Zoology & Entomology
30. Dr Sheona Shackleton
    Department of Environmental Science
Faculty of Commerce

Doctor of Philosophy

Faculty of Education

Degree of Doctor of Philosophy
BARNARD, Elna. (Education). An investigation into Grade R teachers’ experiences of implementing numeracy in Grade R. Supervisor: Professor M Schafer.


Faculty of Humanities

Degree of Doctor of Philosophy

CLARK, Susan Beverley. (Psychology). Neurocognitive and symptom profiles of concussed and nonconcussed provincial rugby union players over one season. Supervisor: Professor A Edwards.

GANDU, Yohanna Kagoro. (Sociology). Oil enclave economy and sexual liaisons in Nigeria’s Niger Delta region. Supervisor: Professor JO Adesina.


OLADEINDE, Olusegun Oluotomi. (Sociology). Management and the dynamics of labour process: Study of workplace relations in an oil refinery, Nigeria. Supervisor: Professor JO Adesina.


Faculty of Pharmacy

Degree of Doctor of Pharmacy (PharmD)
DIALE, Sejeng Dorah.

Degree of Doctor of Philosophy
Faculty of Science

Degree of Doctor of Philosophy

AKINBULU, Isaac Adebayo. (Chemistry). Surface properties and electrocatalytic applications of metallophthalocyanines confined on electrode surfaces. Supervisor: Professor TNyokong.

ALLAN, Elizabeth Louise. (Zoology and Entomology). Trophodynamics of the benthic and hyperbenthic communities inhabiting the sub-Antarctic Prince Edward Islands: Stable isotope and fatty acid signatures. Supervisor: Professor PW Froneman. Co-supervisor: Dr NB Richoux.

BEUKES, Natasha. (Biochemistry). Effect of alkaline pretreatment on the synergistic enzymatic hydrolysis of sugarcane (Saccharum officinarum) bagasse by Clostridium cellulovorans XynA, ManA and ArfA. Supervisor: Professor BI Pletschke.


COOMBS, Gareth. (Botany). Ecology and degree of specialization of South African milkweeds with diverse pollination systems. Supervisor: Dr CI Peter. Co-supervisor: Mr AP Dold.


KASSA, Mukalem Tamiru. (Botany). Molecular analysis of genetic diversity in domesticated Pigeonpea (Cajanus cajan Millsp.) and wild relatives - insights into the domestication of Pigeonpea. Supervisor: Professor NP Barker. Co-supervisors: Professor DR Cook and Professor LGJ van der Maesen.

MARLIN, Danica. (Entomology). The role of the mite Orthogalumnum terebrantis in the biological control programme for water hyacinth, Eichhornia crassipes in South Africa. Supervisor: Professor MP Hill. Co-supervisor: Professor M Byrne.


Two Principal Faculty Librarians, Linda Cartwright and Fiona Still-Drewett spent three months in the United States of America on a study visit programme. This included two weeks at the Mortenson Center for International Library Programs (University of Illinois, Urbana Champaign) and the rest of their time at Duke University (Linda) and the University of Arizona (Fiona). They also attended the Association of Research Libraries (ARL) International conference in Philadelphia. The RUL has benefited from their insights, observations and experience of international best practice in library services which has enabled great progress with the implementation of the Faculty Services model in the Library.

Three Faculty librarians have been identified for a similar study visit early in 2012.

- The web-based research portal that uses an advanced discovery tool Primo and the search engine MetaLib in combination with the link resolver SFX which simplifies the discovery and usability of relevant sources for researchers by assisting them to find what is available, not only at Rhodes but also through open source and other repositories.

The Rhodes eResearch Repository (ReRR), an open access digital repository, continues to provide online...
access to RU theses and dissertations. Academics and researchers are encouraged to submit their publications for archiving in the repository to ensure optimal access. In 2011, 350 theses and 120 research articles were uploaded to the ReRR.

Ms Eileen Shepherd received an accolade from Emerald Publishing for a published article In-service training for academic librarians: a pilot programme for staff in The Electronic Library (2010). This article was selected in 2011 for inclusion in the Emerald Reading List Assist which is a subject-specific reading list compiled by faculty experts and facilitates both teaching and learning.

Publications Research Journals in Abstract and/or Full Paper

Professor Martin Villet

Professor Martin Villet has a BSc, MSc and PhD in Zoology from the University of Witwatersrand. His doctoral thesis was entitled ‘Division of labour in some African ponerine ants’. He completed post-doctoral studies at Wits and came to Rhodes in 1992, becoming a lecturer in the Department of Zoology and Entomology in 1993. He became a senior lecturer in 1996 and an associate professor in 2002. In 1998 he was an Honorary lecturer at the University of Fort Hare. Since 2007 he has also been a Research Associate with the South African Institute for Aquatic Biodiversity. He took up his current role as Professor of Zoology at Rhodes University in 2008.¹

Professor Villet says that, even when he was twelve, people thought that he would become an academic, a prediction he thinks might have been self-fulfilling. His area of study was also obvious. Contact with nature while growing up in rural England and Zimbabwe fuelled a fascination with living things that, he believes, is typical of small boys and steered him very definitely towards biology. All this set him on the path to becoming, as his award citation states, “an internationally recognised and highly-valued expert in insect systematics, evolution and biology, and universally acknowledged in his field as a scholarly expert in medical and forensic entomology”.

As a child and then in his first academic posts, cicadas especially fascinated him. It is here that his focus on systematics - the study of the diversification of living forms, both past and present - has its roots.

“I was a puzzle I had to figure out. I wanted to know how to tell the many different types of cicadas apart. The male of each of the species has a different call and that’s when I started to become interested in the behavior of insects rather than just their characteristics. Most taxonomists [those whose job it is to define and name groups of biological organisms on the basis of shared characteristics] work with dead specimens. I was more interested in getting out into the field.”

Since then he has done a great deal of investigation into why species have diversified as they have. This involves looking at changes that happened often millions of years ago and piecing together detailed family trees, the branches of which are formed when a species mutates. He looks at how they have mutated but, more importantly, at what stage the mutation happened and why. New DNA-based technology has revolutionised that research.

“DNA sequencing has made a big difference. Once you’ve worked out what the family tree looks like, especially if you are using DNA evidence, you can multiply the rate of mutations by the number of mutations to get an idea of how far back two lineages go before a split occurred. This can then give you an idea of what might have been happening in the world to cause the split to happen.”

One study he did was on cicadas inhabiting the beaches along the edge of the Cape Floral Region of South Africa about five million years ago. Each time there was an ice age in the northern hemisphere, the growth of glaciers caused sea levels to drop and the coast line around Cape Agullahs to retreat around 100km towards the pole. This caused some cicada populations to die out and the remainder to fragment into distinct, more isolated groups that began to inbreed giving rise to genetic differentiation and the eventual emergence of new species.

¹ His inaugural lecture, “The Two Cultures reunited: entomology for everyone”, is available online (http://eprints.ru.ac.za/3950/).
He says that climate change, and the world's focus on it, has undoubtedly increased interest in his field of research as well as the understanding of why it is important - especially amongst policy makers.

Another example of how, in the past, environmental change has made an impact on living organisms, is Professor Villet's study of a group of seven cicada species in the Karoo, north of the Cape Floral Region. It revealed that, in wet periods, as woody vegetation spread outwards from the drainage lines, the cicada populations also spread out and mingled between catchments. During dry periods - usually brought about by an ice age - the plants contracted back into the catchment areas, causing populations to become isolated. This meant some species disappeared and some new ones developed.

"If climate change goes as we think it will, then temperatures will go up and [the Karoo region] will enter a dry phase. If we're right and the fragmentation that comes with this drying out gives rise to diversity, what we need to do is find areas where diversity is generated but species are not wiped out. In fact there are three hotspots in South Africa where we think this is true because of the unique species of animals and plants that can be found there: the Nama Karoo, the coastal forests of the East Coast and the Makana district. So, if things get too bad, Grahamstown is probably a good place to hide out!"

Professor Villet admits that his interest in this kind of phylogenetics - the study of the evolutionary relationships between organisms - makes him unusual amongst entomologists in Southern Africa. A lot of people are working on mammals - including humans - and increasing numbers on fish, but insects are not often studied in this way. He believes the work is important because it tells us how change can come about and what might be significant now with regard to what's going to happen next. He does not, however, think that this is something peculiar to his discipline.

"I think the whole of science is about that. The value of knowledge in general is that it prepares you for the future. It's not a special feature of what I do. It applies just as much to the humanities. There's no real difference between the history of an animal and the history of humans. In both cases you are trying to interpret the past without many reliable witnesses."

In addition to his work in systematics, Professor Villet is, as his citation says, "the foremost forensic entomologist in Africa". This use of entomology to provide legal evidence is most often drawn upon to estimate the time of death of a body by looking at the development of insects on that body. However, it can also include giving information about where contamination of merchandise by particular insects occurred or, for instance, analyzing insects from a seized haul of cannabis to establish where it was grown. I try to resist the temptation to ask if this means he is one of those in white suits at crime scene situations but fail.

"I have been asked by the police to look at bodies but I don't enjoy it much and tend not to do case work. I am more interested in doing the academic work for others to use. I am trying to refine methods so that they become more and more accurate and this has an international scope. For instance, if I develop an improved technique for the use of maggots in determining time of death, it doesn't matter that I am using an African species, the technique can be used on any species all over the world."

As well as his particular specialisations, Professor Villet has published on a wide variety of subjects. He is a prolific author, in his twenty nine years of biological research, has produced 119 publications in refereed journals, 11 book chapters, 123 conference presentations, and a range of technical reports, online resources, edited conference proceedings and book reviews. He says he is often inspired by the work of his students to go in certain directions. His is a small department with just three entomologists and, he says, his colleagues are particularly interested in biological control of pests and weeds, so he tends to oversee everything else. He also admits to what he calls a 'dodgy streak', in that he is driven to investigate things that make him curious, but that, once he has found the answer to a particular question, he is impatient to move on to the next thing. It is one of the reasons he enjoys collaboration so much and actively seeks it out.

"I go to conferences particularly to find people to work with. Collaboration means more energy, access to better equipment and increased funds. It means you can be involved in more than one thing at once, making you more productive and boosting your momentum."

He is, he says, interested in most things. In his office, the books on his shelves cover a huge variety of subjects. Jaine Roberts, Director of Research at Rhodes describes him as "a classical intellectual who values knowledge across the arts and sciences".

He thrives on looking at the overlaps between his area and others. This has included, for example, linguistics when he was involved with the research of one of his PhD students into the indigenous names of different insects in isiZulu, isiXhosa and Sepedi. He has also given talks about the crossover between forensic entomology and psychology.

"There are certain psychological conditions where people think their skin is infested with mites. I know of one woman who bathed herself and her children in kerosene because she thought they were all infected. This kind of illness might mean people have to be sectioned - which is a legal process - and it is my job to say whether there are bugs present or whether they are, in fact, imagining them. It is possible to have mites that burrow under the skin."

This natural enthusiasm for his subject makes him, as Dr Peter Clayton, Deputy Vice-Chancellor of Research & Development says, "a very energetic and inspiring teacher"
and “a cherished student mentor”. He has graduated 9 PhD students and 14 MSc students during the course of his work at Rhodes, and is particularly known for fostering writing skills among his students and encouraging them to publish their research results. I ask him what’s behind his love of teaching.

“I think I have a natural tendency to want to show off my knowledge, which helps. Seriously, without wanting to sound too worthy, I do have a desire to improve the world and one way of doing that is to give people the tools they need to be successful. Also, sharing in the enthusiasm for their subject with students who are really keen, is incredibly rewarding.”

His students are not the only ones to benefit from his teaching abilities. He is a well-known populariser of science and can often be found in print and on television and radio talking about the creatures he loves. He recently did a number of short features for the TV show 50/50, answering questions like ‘Why are there ants in my kitchen?’ and ‘Why did God make mosquitoes?’ I wonder if he considers this to be an important part of what he does.

“I’m happy to do it because it creates a better understanding of the animal. For instance, mosquitoes are excellent frog food. Without them we wouldn’t have frogs. This kind of communication means I can create a context for the animal and give people a greater insight into the world in which they live.”

— Jayne Morgan

This attitude was reflected strongly in Professor Villet’s Vice Chancellor’s Senior Research Award lecture, “Of ants and cicadas: thinking and doing”, which is available on-line (http://eprints.ru.ac.za/3813/).
“Before 1994, the role of most historians here was very clear - either to destabilise and dismantle apartheid and to inspire the liberation movement or, on the other side, to defend the system. Post '94, things are much less clear. There is no obvious objective and that has led to history being a bit directionless. I think that's unfortunate in a country that still has such major issues of inequality. I believe historians have a role to play in dealing with these issues.”

He is the first to admit that he has always had a broad focus to his work rather than choosing to become an authority on a specific area. This has resulted in, not only a huge amount of published scholarly papers but also, five sole-authored books and a sixth co-edited collection. As his Research Award citation states “all are original contributions to knowledge, and all have been met with high acclaim by scholarly reviewers.” This is perhaps why, as well as his many other accolades, Professor Maylam is the only person to have won the VC’s Book Award twice.  

1 For South Africa’s Racial Past (see note 5 below) and his book on the cult of Cecil John Rhodes (see note 6 below).  

2 Rhodes, the Tswana and the British: Colonialism, Collaboration and Conflict in the Bechuanaland Protectorate, 1885-99 (Westport, Greenwood Press, 1980) which was based on his PhD studies.


4 A History of the African People of South Africa: from the Early Iron Age to the 1970s (New York, St Martin’s Press; Cape Town, David Philip; Beckenham, Croom Helm, 1986).
“In the late 1990s, I thought there was a need for an overview of the whole history and the historiography of segregation and apartheid. I wanted to look at how the system itself had evolved but, in particular, I wanted to analyse how different historians had interpreted it. For instance, there was a lot of debate about whether the system was just about race or was there a strong class element to it.\footnote{South Africa’s Racial Past: The History and Historiography of Racism, Segregation and Apartheid, (Aldershot, Ashgate, 2001).}

The book, South Africa’s Racial Past: The History and Historiography of Racism, Segregation and Apartheid, was described by one reviewer as “a unique overview of the whole 350-year history of South Africa’s racial order — essential reading for all those interested in the past, present and future of South Africa”.\footnote{The Cult of Rhodes: Remembering an Imperialist in Africa (Cape Town, David Philip, 2001).}

True to form, Professor Maylam then changed direction again, putting three centuries in the life of Cecil John Rhodes were about to be marked - his death in 2002, the foundation of the Rhodes scholarships in 2003 and, in 2004, the centenary of the founding of Rhodes University. In the course of writing an article on Rhodes’ death, he realised to what a huge extent Rhodes has been commemorated - not just in southern Africa but in England. “The question I wanted to answer was why was this rather unpleasant man so widely revered and commemorated.”

It led him to extensive further study - including reading over thirty Cecil John Rhodes biographies and visiting Oxford, where the Rhodes name can be found all over the city. The resulting book\footnote{Enlightened Rule: Portraits of Six Exceptional Twentieth Century Premiers (Bern, Peter Lang, 2001).} set out, as one commentator put it, to “demythologize the cult of Rhodes” and was described in a scholarly review as “an intriguing, original and elegant study”. He has been approached to write a biography of Rhodes but says he certainly won’t be taking up the offer, as he has “nothing new or pleasant to say about him”.\footnote{Enlightened Rule: Portraits of Six Exceptional Twentieth Century Premiers (Bern, Peter Lang, 2001).}

This kind of interest in a single, intriguing question also led to his latest book, Enlightened Rule.\footnote{Enlightened Rule: Portraits of Six Exceptional Twentieth Century Premiers (Bern, Peter Lang, 2001).}

“I would ask friends and colleagues to name any head of government in the world today that they respected and admired. Most of the time they couldn’t come up with anyone, even if I widened the scope to include the whole of the twentieth century. So I set out to answer the question for myself.”

After a great deal of research, he came up with six people who demonstrated the kind of democratic leadership and socially progressive values he felt made them stand out. Not all of them are well-known - for instance, Jose Battle y Ordonez from Uruguay, Lazaro Cardenas of Mexico and Juan Jose Arevalo of Guatemala - but he also included Oluf Palme from Sweden, Jawaharlal Nehru, the first prime minister of India, and, finally, Nelson Mandela. His decision to include Mandela was one, he says, for which he has been criticised. “Many people don’t regard Mandela as a successful president but I believe he should be judged more in relation to what came before him than what has come afterwards. Also, while he may have had shortcomings, he had the kind moral authority and integrity - for instance donating a third of his salary to the Mandela Children’s Fund - which we simply don’t see now.”

I asked him if the book was designed to offer up examples of best practice to those currently in government in South Africa. “I wanted to give examples to South Africa and to the world. The twentieth century was a time of extraordinary scientific and technological progress, but it was nothing short of disastrous in terms of the way that human beings related to each other. Around 190 million people were killed in wars. It’s known as ‘the age of catastrophe’, a record of human failure - and the twenty-first century is looking no better. I was trying to look for some exceptions.”

With the exception of Palme, who inherited an already well-run democracy the leaders in the book made substantial improvements to their countries whilst maintaining their integrity. As one reviewer in Business Day said: “The moral is clear: you don’t have to resort to chicanery, secrecy or rabble rousing to achieve substantial change. Enlightened Rule should be required reading for any leadership initiative.”

While this has not been true for all his work, Professor Maylam agrees that there was an ‘emancipatory purpose’ to this book and that he wanted to demonstrate certain principles as being the right ones. This leads me to ask him about objectivity in general, and whether that can or should be part of being an historian.

“One of the first things I tell my students is that they must forget objectivity, that every historian has a point of view and that they must immediately distrust those who say they don’t. In Enlightened Rule, my own views governed the criteria I used to judge outstanding leadership. I was looking for democratic and socially progressive values. Other historians might have used measures such as strength, decisiveness or economic success. Someone suggested Margaret Thatcher to me as a candidate - to which my reply was ‘absolutely not!’”

Does that mean he feels that he and other historians have a role in playing a difference in the world? His answer is characteristically modest. He doesn’t believe that he is a ‘major player’ and cites historians like EP Thompson and Eric Hobsbawm as being individually influential. He is, he says, in a ‘much lower league’. But there is another kind of influence.

“I think the point where one can have an effect is with
one's students. You're talking to them in their most formative years and you have a chance to help them understand the values that are demonstrated by history. In some ways that's more important than the knowledge you impart."

All of which brings us back to the role historians can or should play in South Africa today. What is it that these new historians need to turn their attention to, now that the pre-1994 agenda has disappeared? Professor Maylam points out that the advent of post-modernism, and its view that history is essentially fiction and historians not much better than novelists, has muddied the waters even further.

"A lot of historians, including myself, have traditionally believed that, while we obviously can't recapture the past completely, we can recapture something of it through careful research. Post-modernism has moved away from that to look at how history has reconstructed the past and how we remember it, a fusing of history and memory. I would like to see a return to what I call the political economy tradition of South African history that was so strong in the seventies and eighties. This is still the most unequal country in the world, and it's the political economy view of history that helps us understand the questions of poverty and inequality that are so important to the country today."

Professor Maylam has plenty of post-retirement plans. He has been asked to write a history of Rhodes University, and he might pursue further his interest in leadership. There are very few people who know and work with him, who regard this interest as purely academic. As Deputy Vice-Chancellor, Peter Clayton, said in his introduction to Professor Maylam's Distinguished Senior Research Award lecture:

"The word most often used to describe Professor Maylam by colleagues is 'integrity'. His senior statesman role in the university sees him frequently approached for his wise counsel by staff and students at all levels. He has contributed much to the scholarly character of Rhodes, not only through his own contributions and those of his students, but through his advocacy of what a university is really meant to be."

- Jayne Morgan

Distinguished Professor Paul Maylam with Professor Chris Mann (left), and Professor Malvern van Wyk Smith (right) at the 2011 launch of his book: "Enlightened Rule: Portraits of Six Exceptional Twentieth Century Premiers".
Dr Samantha Vice

Originally from Queenstown, Dr Samantha Vice did her undergraduate, Honours and Masters degrees at Rhodes, obtaining firsts or distinctions in all of them. After lecturing at Rhodes, she went to the University of Reading in England to do her PhD. Her doctoral thesis was titled: Self-Reflection and the Worthwhile Life, and was supervised by the eminent philosopher, John Cottingham. She then returned to Rhodes as an Andrew W. Mellon Post-Doctoral Research Fellow between 2003 and 2005 and has been a Senior lecturer in the Department of Philosophy since 2008. She is the co-editor of the internationally renowned journal, Philosophical Papers, and runs the secretariat of the Philosophical Society of South Africa.

Asking an author where they get their ideas from is very near the top of the league when it comes to dud interview questions. I have a horrible suspicion that philosophers fall into the same category, but I can’t help myself. In a discipline that relies on freedom and independence (as Dr Vice says, “most philosophers are very individualistic, we’d probably riot if we were told what we had to do”), with an infinite range of topics, I really want to know how do they decide what to explore?

Dr Vice takes pity on me, although she admits it is a difficult question to answer.

“The work you’re currently doing often points you in the direction of the next thing. Vague ideas and intuitions come to you and you start thinking about the connections between them. The thinking happens in the writing. I start off and go in all sorts of wrong directions and make all sorts of messes, but eventually I retrieve order out of chaos. I’m not a specialist. I’m not interested in refining things down into greater and greater detail. Sometimes that means there are no obvious next steps. I go with my interest.”

Her interest has mainly been in the field of ethics and morality and in looking at how the individual stands in relation to his or her surroundings. Unlike some philosophers, her work is very rooted in the common experience. For instance, this year she co-edited a book called Ethics at the Cinema1 in which a group of moral philosophers and philosophers of film were invited to engage with the ethical issues raised within, or within the process of viewing, a single film of each contributor’s choice.

“My work is very personal even though it’s abstract. I want to explore how we live and how we feel. I want people to see the world from a different angle and to look at the bigger picture rather than minutiae.”

In the citation for the VC’s Distinguished Research Award, her work was described as “original, deep, honest, thoughtful, careful, and deeply engaging”. While she describes herself as a very private person, she acknowledges that the areas she is interested in mean she is inevitably scrutinizing and drawing on her own experience. To some extent, though, that is the nature of the discipline of philosophy.

“For most philosophers there is no huge distinction between work and life. When you’re dealing with a broad field like...

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ethics, the topics are inevitably more controversial. You bring more of your personality into your writing, you reveal more than if you were working in the more technical areas of, say, logic or metaphysics.”

As one of the contributors to her citation states: “She brings to her work an unusual combination of analytic rigour and a humane sensitivity to the emotional and cultural dimensions of philosophical issues.”

Something else often mentioned in relation to Dr Vice’s papers is the fact that she “writes with superb clarity and elegance”. In a discipline where texts are often difficult to read, I ask if this emphasis on being understandable is deliberate.

“Absolutely. I have no truck with obscurity for the sake of it or to sound profound. When you’re trying to communicate difficult ideas, it’s essential to do it in a way that can be easily understood. Clarity is part of my job, to explain complicated things.”

It might have been this very combination of relevance and accessibility that led to Samantha Vice’s work becoming the subject of a vigorous media debate during the course of 2011. The American philosopher, Paul Taylor, invited her to write something about living in South Africa as a white person for the Journal of Social Philosophy. It might have been this very combination of relevance and accessibility that led to Samantha Vice’s work becoming the subject of a vigorous media debate during the course of 2011. The American philosopher, Paul Taylor, invited her to write something about living in South Africa as a white person for the Journal of Social Philosophy.

The result was How do I live in this strange place - a consideration of the contradictions and difficulties involved in being white in this country. In the introduction to the paper she says:

“Although an honest and sincere public dialogue about race has not yet happened in South Africa, [...] race is the unacknowledged elephant in the room that affects pretty much everything, in and outside academia.”

She goes on to explore the relationship of the white individual to the hardship and struggle around them and what their moral imperatives might be. Early on she sets out the issue: “What is it like to live here as a white person? What is the morally appropriate reaction to one’s situation of privilege? Is it possible to live well? And more broadly, in such a context how can we understand-can we understand-a conception of the moral life as a private and inward-directed process guided by an ideal of the good?”

She goes on to talk about the guilt, regret and shame that surrounds being white in the country today.

The paper inspired the South African Journal of Philosophy to dedicate an entire issue to this debate. One of the contributors to this special edition was former Rhodes philosophy student, Rhodes Scholar and now high-profile commentator and journalist, Eusebius McKaiser. As someone who straddles both the academic and media worlds, McKaiser also wrote an accompanying piece for the Mail & Guardian in which he extensively quoted Dr Vice’s paper.

The result was a heated debate during which many white South Africans accused Samantha of racism, furiously denying that they should feel any guilt or shame for the sins of their fathers. Tempers ran high, both Eusebius and Samantha wrote follow-up pieces and the paper ran a special supplement on ‘whiteness’. The issue was picked up in other media and, for a while, the private and contemplative world of an academic philosopher was well and truly invaded.

“Absolutely. I have no truck with obscurity for the sake of it or to sound profound. When you’re trying to communicate difficult ideas, it’s essential to do it in a way that can be easily understood. Clarity is part of my job, to explain complicated things.”

I was aware that the extent of the reaction indicated just how important a debate it was, but things got very personal. I was quite viciously attacked by people who had never met me. I quickly had to learn to toughen up.”

At the beginning of the paper, Dr Vice talks about the idea that, if it is a philosopher’s duty to engage with their surroundings, then a philosopher in South Africa cannot ignore race. I ask her if she feels that it is, indeed, her duty to engage with these kinds of topics and, more importantly, to take these kinds of subjects outside academia - as was the case here.

“I do think it’s important that there is public debate around these kinds of topics - and this obviously touched a deep nerve - but my approach is an academic one. As philosophers we enter into rigorous debate all the time but there are rules of engagement, rules that aren’t observed in a media environment. The subtext of the arguments is lost. People react with their gut and the level of argument descends into mud-slinging.”

A good example of this was the reaction to her remarks in the paper that whites should “in humility step back from expressing their thoughts or managing others”. Dr Vice was really suggesting that there was a moral imperative against whites insisting on making public political statements because, she argued, “making pronouncements about a situation in which one is so deeply implicated seems a moral mistake”. It was something that the media focused on and, inevitably, it drew forth howls of protest from those who assumed she meant that their opinion should be silenced once and for all in a kind of counter-racism.

The whole experience was, she says, a difficult one but, with hindsight, she can see, that it was an important debate for which the nation was craving. Another of her referees in her citation pointed out that, “It is relatively rare for the work of an academic philosopher to capture the popular imagination, and she can be credited for challenging not only her students and colleagues, but the nation at large to think more deeply”.

I ask her if she thinks that part of her role as a philosopher in South Africa in the early twentieth century is to do just that.

“I think my role is to be the best philosopher I can be - just as it would be if I were an artist or a journalist. I don’t necessarily think that it’s the duty of individual philosophers to respond to their context. It might be the role of the philosophical community. I think that, as teachers, we have a role to play in inspiring our students to think about the
big questions and to give them an arena in which they can engage in valuable debate. If we are to take the humanities seriously, then we must let people think about the big questions - about what is it to be human, what the world is, how we fit into it. That’s what the humanities are here to do.”

Certainly her fulfillment of her role so far has elicited strong, positive responses from the academic fraternity. She is extremely widely published and during the course of 2011 was awarded a B2 rating by the National Research Foundation in her first application for rating evaluation - almost unprecedentedly high for the first evaluation of a young researcher. She is characteristically modest about the achievement:

“I didn’t realise that it was unusual till someone else told me. I’m fortunate that I’ve never struggled to get published. Perhaps it’s because I tend to write about topics that are not widely dealt with or take a different angle. I see that kind of thing as very disconnected to my work, I don’t fret too much about how my work is received or recognised. I’ve never done a citation search, for instance.”

Having said that, she is very happy to have received the VC’s Distinguished Research Award and is indebted to Rhodes for the opportunities the university has given her.

“Rhodes has been very good to me. It has given me the opportunity to be free and I truly appreciate that. I’m very honoured to get the award and very grateful for it.”

- Jayne Morgan

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6 The Cult of Rhodes: Remembering an Imperialist in Africa (Cape Town, David Philip, 2005).
7 Enlightened Rule: Portraits of Six Exceptional Twentieth Century Premiers (Bern, Peter Lang, 2011).
Clark Kent has left the Daily Planet to become a blogger, the UK Guardian has announced that its digital edition is now its first priority. Newsweek is going digital only and, just as in most places in the world, newspaper circulation in South Africa is also in decline. Exception in one sector. Since 2002, when the Daily Sun hit the streets and was followed by the Daily Voice and the Afrikaans, Die Son amongst others, the sales of tabloid newspapers in this country have soared.

The Sun is now the best-selling daily newspaper in the country with a regular readership of over four million. Take into account the fact that, as well as the online revolution, South Africa is a country with considerable literacy issues, an under-developed culture of daily newspaper reading and a population with extremely limited disposable income to spend on newsprint, this is an extraordinary phenomenon.

Professor Herman Wasserman's book, Tabloid Journalism in South Africa (True Story!), sets out, not only to discover why SA tabloids have bucked this global trend to such an extent, but also to explore their impact on the mainstream print media here, whose practitioners were less than enthusiastic about the arrival of their new colleagues.

"There was a certain amount of moral panic amongst the journalism establishment which fuelled a very negative reaction to the tabloids when they launched. It was a case of 'us' and 'them'. I remember a long SANEF meeting about whether tabloid editors should even be allowed into the organisation. I wanted to explore why there was this mismatch between the very hostile reaction of the mainstream print media and the huge enthusiasm of the readers that were buying the papers."

The temptation, says Wasserman, is to dismiss the tabloids as 'trashy', and, because they are guilty of such journalistic sins as sensationalism, dumbing-down, sexism and xenophobia, simply to ignore them as not being real journalism. It's undoubtedly true that tabloids worldwide share certain characteristics: they are easy to read; their focus is on providing diversion and entertainment; their style is accessible with attention-grabbing headlines. In general they go for the 'lowest common denominator'. However, he believes that, in South Africa, there is more to it than that.

"The tabloids here have discovered an audience that had previously been marginalised and ignored by traditional newspapers. It's a working-class, black and 'coloured' audience who ... are taking readers from elsewhere. They have attracted a whole new audience who weren't previously reading papers at all."

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1 Professor Herman Wasserman (BA (Hons), Hons.B.Journ., MA, D.Litt (Stellenbosch)) is Deputy Head of Rhodes University's School of Journalism and Media Studies.


3 South African National Editor's Forum.

4 Deon du Plessis died in September 2011.
Deon du Plessis\textsuperscript{5}, the founder and first editor of the Daily Sun and the man upon whose vision the South African tabloid sector was built, placed a mannequin reading a newspaper in the foyer of the offices. It is ‘the man in the blue overalls’ whom he insisted his staff never forget.

Papers like the Daily Sun, the Daily Voice and Die Son deal with the issues that matter in ordinary people’s lives from the point of view of those experiencing them - collapsing medical services, home affairs inefficiency, crime, violence and injustice. They have ‘Mr Fixit’ columns that sort out peoples’ problems or take scumbag retailers to task. They are inclined to stay with a story until it has reached its conclusion rather than ‘helicoptering in’, writing one piece and moving on to the next as they claim the traditional newspapers do. They also document people’s successes and triumphs over adversity. The effect has been to create a community of readers that trusts them, who will phone the paper before phoning the police while a crime is being committed, who threaten crooks with the Sun rather than the usual law enforcers.

This has led, as the book says, to another kind of journalism. Conventional journalists point to their tabloid colleagues as, at best, lacking in objectivity, at worst, being unethical and printing stories that seem to have little or no relationship to the facts. However, Professor Wasserman doesn’t agree.

“The tabloid approach is not without its problems, but tabloid journalists are doing things differently. They are getting out onto the streets and into the townships whereas mainstream journalists often don’t leave their desks anymore, but do stories over the phone or via press release. Tabloid journalists write about the emotions involved in the situations they’re describing - the trauma, the anger, the despair - which means they often allow themselves to be touched by the stories and to identify with the people involved. This is a very different journalistic stance to the usual one of detachment and distance. Those journalists I interviewed - especially those who had worked in both environments - said that writing for the tabloids was more challenging but could be more rewarding.”

The journalists and editors quoted in the book, maintain that their journalistic standards match those of any traditional newspaper but that their emphasis is different. One journalist talks about her efforts to “avoid condescension towards her sources while at the same time refusing to compromise her belief in neutrality - which in this case meant she could not dismiss her sources’ claims of supernatural causes for events but report them at face value.”\textsuperscript{6} She says:

“I have to listen to what someone tells me, respect his religion, but also gather other perspectives. I would not state [the supernatural or witchcraft] as a fact, but quote a source...... I learnt something I would never have learnt elsewhere, namely how to be streetwise and go through life with my eyes wide open. I acquired a certain wisdom because my world was becoming broader every day.”

This idea of journalism with heart also goes some way towards repudiating another accusation often levelled at the tabloid press, namely that they are merely exploiting people’s misery for gain. Wasserman agrees that, of course, tabloid journalists are doing things differently. They are state [the supernatural or witchcraft] as a fact, but quote a source...... I learnt something I would never have learnt elsewhere, namely how to be streetwise and go through life with my eyes wide open. I acquired a certain wisdom because my world was becoming broader every day.”

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5 Tabloid Journalism In South Africa (True Story) p159.
6 Ibid.

...These consumer orientated features remain in tension for seemingly copying an international model that was, in fact, unsuitable for a young democracy. However, there are number of things that make our ‘red tops’ distinctively South African. In his chapter on ‘globalisation’ (the localisation of a global phenomenon), Professor Wasserman demonstrates that, because of the constituency they are serving, our tabloids have a very different kind of content. He quotes Deon du Plessis:

“We don’t do celebrities much. We don’t joke about things. Things are in collapse here, it’s not in collapse in Britain....... We have jokes but we want to help our readers because things are just not right here. ... We’re not totally serious but we’re irritable. The hopes of 1994 have been pissed on.”

Which leads us to the question of politics, and how these papers cover political issues. Politicians and political developments are, of course, a central part of mainstream newspaper coverage. Internationally, tabloids tend to cover politicians’ personal lives and focus on scandal. The SA tabloids, as Wasserman says, do politics ‘by other means’, by depicting the consequences of the decisions made by politicians. The emphasis is on the individual rather than the collective experience and that is what drives their news agenda. A good example of this is given in the book. On the day that Adelaide Tambo died, The Sowetan lead with the story. The Sun’s headline that day was about a family that had been barred from parking in a hospital carpark and, consequently, been hi-jacked.

The book also says that this shift towards the individual, and the idea that people are in the process of improving their situation, is not merely ideological, it also has a direct relationship with these papers’ commercial aspirations.

“It can be seen in the presence of articles, supplements and columns that interpolate tabloid readers as consumers and facilitate their entry into the middle class.....this social mobility is what makes their readers attractive to advertisers.
with the reports of the despair and precariousness of
township life. Such are the contradictions of a society in
rapid and unequal transition, and the tabloid media, as a
commercial entity, reflect this.\footnote{Tabloid Journalism in South Africa (True Story!) p35.}

Commercial concerns aside, I ask Professor Wasserman
whether, if the SA tabloids are motivated by the notion of
giving ordinary people a voice, decision-makers are listening
to it and taking these views into account. Is change actually
occurring because of the issues being highlighted or is it
just an illusion of influence?

“These papers are, perhaps, more of a lightning conductor
for rage and dissatisfaction than actually being instruments
of change. They are part of big conglomerates, so any
really radical criticism of, say, economic policy may be
suppressed by commercial pressures. However, there is
evidence that politicians are taking more notice of what’s
being said in the tabloids. Plus individual service delivery
issues are increasingly resulting in collective action and
are getting more and more tabloid coverage.”

He says that the tabloids are giving more space to their
political coverage, that they followed Polokwane and are
previewing Mangaung, and that this trend is likely to
continue. While their ‘we are your champions’ stance is,
to some extent, a commercial ploy, there is a genuine
move towards calling politicians to account and getting
things done. One example of this was the Daily Voice’s
campaign against the, so-called, “Bush of Evil”, a thicket
in Delft in Cape Town where children and women were
being raped and murdered. The paper accused the, then
mayor, Nomandla Mfeketo, of ‘having blood on her hands’
until she agreed to have the bush cut down.\footnote{Ibid p86.}

As an experienced and well-respected former journalist
himself, I ask Professor Wasserman whether, in the process
of researching the book, he had found his own professional
norms being challenged. He agrees that he, at first, had
to suspend some of his beliefs about journalistic practice
but that his ideas around those started to change.

“I am becoming increasingly uncomfortable with the whole
notion of journalistic detachment and objectivity. I think
it’s easy for that to lead to a position where journalists feel
aloof, take a patronising view and side with authority - for
instance taking what the police say at face value, not
speaking to both sides. I think the tabloids are forcing us
as journalists to think about what is, in fact, the best way
of telling stories. Sometimes a story might be best served
by a journalist being outraged or passionate enough to
advocate for certain positions.”

In that case, does he think that the tabloids are having an
influence on the current media landscape?

“Definitely. There is now a tabloid category at the annual
South African newspaper awards. I don’t like the fact that
they are ghettoised but it means that the establishment
has recognised that they are here to stay and must be
taken into account. Plus, the mainstream papers are
themselves becoming more tabloidised. To continue to
‘other’ them is creating a false dichotomy.”

- Jayne Morgan
The Telkom Centre of Excellence (CoE) in Distributed Multimedia, hosted in the Rhodes Computer Science Department, has been proactive in researching the impact of ICT in marginalised communities since 1999. In the early days of the Internet in South Africa, the Centre supported a pioneering study on providing connectivity using free and open source software and was for a while among the most cited research outputs of Rhodes University. Since then, the Centre has relentlessly pushed for the consolidation of research in Information and Communication Technologies for Development (ICT4D) in South Africa. The Telkom Centre of Excellence programme was initiated at Rhodes in 1997 by Professors Peter Clayton and Peter Wentworth. It was part of a network of similar centres nationwide, now numbering 16. Some of the centres originally paired a historically privileged and a historically disadvantaged institution, to promote capacity building, knowledge transfer and cooperation. Rhodes University was paired with the University of Fort Hare until 2002, but the collaboration between the universities remained strong after the unit at Fort Hare became independent and won a joint Award by the Department of Trade and Industry in 2003.

Professor Alfredo Terzoli, currently Head of the Rhodes Centre and Research Director of the Fort Hare centre, is the main architect of the collaboration and of the ICT4D line of research at both institutions. In 2005, after years of experience in the Grahamstown townships, he realised the need to scale up efforts and take on the challenge of connectivity in rural areas. The site chosen as a test bed was Dwesa, a deep rural area on the Wild Coast of the former Transkei. The area is predominantly known because it hosts the Dwesa/Cwebe nature reserve, which was the object of one of the first successful land restitution claims in South Africa. The nature reserve, now owned by the local community, and initiatives in arts and craft production at the centre of the Xhosa heartland, offers great potential for ecological and cultural tourism. The area is however plagued by lack of infrastructure and services, and is truly representative of the social, economic and technical challenges of many rural African realities. The Institute for Social and Economic Research and Professor Robin Palmer had actively engaged in the area during the land restitution claim process and so an ICT4D activity could build on an established body of knowledge and solid relationship with the community.

Through the efforts of Professor Terzoli and the existence of a programme of collaboration on Innovation between South Africa and Finland, the initial project developed into the Siyakhula Living Lab (SLL). The name Siyakhula, meaning “we are growing together” in isiXhosa, was chosen by the local community and encapsulates the spirit of the project. The living lab approach originated in the US and was adopted rapidly in Europe. It is a recent approach to the development of solutions and services (initially particularly in the technology field) through co-creation with an actual community of real-life users. The application of such concept in a rural African reality is a novel idea and offers exciting prospects for research and experimentation. Four characteristics set the SLL apart...
from other ICT4D projects: an extensive two-way involvement with the community, a multi-disciplinary and holistic approach and a multi-stakeholder ecosystem of innovation.

Within the emerging discipline of social informatics, it is recognised that technological development is not the only driver of innovation, but stands in a dialectic relationship with social change and appropriation. Maintaining a healthy research relationship with the local community has been a key concern of the project since the very beginning. Extensive preliminary meetings were held with community members. Schools were chosen as points of presence, as they represent an established locus for the exchange of knowledge and access to information. Five schools in the area were originally connected at high speed, wirelessly using WiMAX, and the ‘broadband island’ so realized was linked to the Internet via satellite. Each school represents a point-of-presence of the SLL and was given a basic computer laboratory, for use not only by the school but by the surrounding community. A group of 20 educators from the area have been trained in the integration of ICT into their practice with the support of the local Department of Education District. Close to 200 educators, learners and members of the community have been trained directly by students and staff from the Universities, and many more indirectly via the local trainees. Schools have been proactive in securing classrooms and enabling activities, while community involvement has proven instrumental in managing minor incidents of theft, which were only two in a period of seven years, and misuse of the equipment.

The emergence of scholarly trajectories such as ethno-computing illustrates the need to transcend disciplinary boundaries in exploring the adaptation of technology to contexts that are not western. Multi-disciplinarity has been a characteristic of the SLL since inception. The initial collaboration with the department of Anthropology was extended to include Information Systems, Education, African languages, Sociology, Journalism and Media Studies. The SLL provides an opportunity for the collaborative application of a wide range of expertise to tackle the complex and largely under-explored phenomenon of Internet connectivity in rural areas. A multi-disciplinary team of young researchers pays by-monthly visits to Dwesa. During each week-long stay, the researchers engage with members of the local community through ICT training, technical support and various research activities.

The branded vehicle used for the project has become a recognisable sign of their presence and, after a hard day’s work, the team rests at a rented house in the village, the Siyakhula “base”. Besides supporting research activities,
the project vehicle and accommodation contribute in identifying the research team as a component of the local community.

A key concern in any endeavour branded as “developmental” and, perhaps even more so when ICT is concerned, is sustainability. What makes the SLL model not only sustainable but, in fact, feasible for replication on a large scale is that it serves the interest of varied stakeholders: academia, industry, government and community. The academic institutions which initiated the project benefited from the growing interest by the academic community in ICT4D in Africa. Over 200 papers/dissertations/book chapters have been published and approximately 70 students from various disciplines have worked on projects related to the SLL. (The SLL team of staff and students in 2011 has about 35 members.)

Postgraduate students from other institutions, both in South Africa and internationally, are showing an interest in undertaking research in Dwesa. In 2011, Rhodes hosted the third annual workshop for the Living Labs in Southern Africa (LLISA) network, which the SLL is part of. The LLISA has recently been awarded a grant within the highly competitive FP-7 framework for the mobility of staff and students with two prestigious European institutions. The SLL is also part of the European Network of Living Labs (ENoLL).

Involvement in Dwesa was initially sustained by the two CoEs of Rhodes and Fort Hare through the sponsorship of their industry partners. Part of the mission of the CoEs was to promote research in technological innovation and the establishment of the SLL represented an excellent opportunity. From the point of view of the industry partners, this represented an initial exploration of a potentially large and untapped market. Over the years, the number of schools that act as points-of-presence (DANs, Digital Access Nodes) of the SLL in the Dwesa area has grown to 16, although more financial support is needed to bring all the DANs to the same good standard.

A startup software house, Reed House Systems, located at Rhodes, is an integral part of the SLL ecosystem of innovation. RH5 specialises in co-creating services for marginalised communities, such as an e-commerce platform for local arts and crafts, a lift offered/wanted service, and a mobile application to study water consumption.

The MTN Chair of Media and Mobile Communication in the Rhodes School of Journalism and Media Studies is participating in unlocking the potential of mobile services within the SLL. The most interesting services, however, will be the ones that connect the Dwesa community to entities such as government and financial institutions, which are interested in a channel through which to reach communities such as Dwesa, for which they are prepared to pay. All applications are deployed within a Service Delivery Platform named TeleWeaver.

The activities of the SLL are aligned with the government’s efforts in the fields of education, poverty alleviation and rural development. Based on the high profile attained by the SLL experience, Rhodes and Fort Hare were invited to contribute to shape the ICT4D roadmap of the Department of Science and Technology.

Expression of support from the national government saw the visit by then Deputy Minister of Science and Technology, Derek Hanekom to Ngwane Junior Secondary School, host of one of the Digital Access Nodes of the SLL.

Interaction with various national and provincial government departments are ongoing, especially with a view to replicate the solutions developed in the SLL to other parts of South Africa. Actual funding for the operations of the SLL were, however, easier to source from foreign governments than from South African agencies. Cooperation Framework on Innovation Systems between Finland and South Africa (CCFSA) and South Africa-Finland Knowledge Partnership on ICT (SAFIPA) sponsored the establishment of the SLL Management Unit and of Reed House Systems.

In urban contexts within developed countries, the lag between first access to the Internet and the beginning of active participation is estimated to be approximately five years for most users. Research is ongoing to explore various aspects of this transition in a rural African context. The response by the Dwesa community has been overwhelming in enthusiasm and active participation. Anecdotes abound on how ICT has transformed the lives of many people by equipping them with relevant information, assisting them in finding jobs and giving them hope for a better future. Many aspects of the community involvement in the SLL experience, ranging from the technical to the linguistic, are documented.

Two dimensions cannot easily be captured in academic literature, however: a reduction in the perceived distance from the centres of knowledge, power, prestige and economic prosperity and the growth of a belief in the potential of rural areas to become centres of knowledge production and economic activity and not passive reservoirs of low-end consumers and cheap labor. Reducing distances (physical, social, technological) is the ultimate rationale behind the SLL endeavour and ICT4D and, in a democratic society, should be an important goal of academic research.

- Lorenzo Dalvit
Apart from some "early idealistic conservation work", Professor Charlie Shackleton's interest in the environment has rarely been separated from his interest in the people who inhabit it. Throughout his prolific academic career, his focus has been on the way that communities make use of what is around them and what the impact of that use might be.

"It was obvious to me that you can never ignore the social dimension of environmental and biodiversity issues. Human beings created the problems, therefore, no matter how advanced the science, they must be taken into account if solutions are going to be successful. Plus, we are all reliant on our environment. Whether we get our water from a tap or by walking 5km, everyone needs water. The same applies to food, energy, fibre and so on. Environments are integral to how we live."

Professor Shackleton is currently Head of Rhodes Department of Environmental Science. The department - which includes his wife Dr Sheona Shackleton with whom he works closely and whose research has made a considerable contribution to this approach - is particularly interested in the way Southern Africa's poorer people interact with their environments. They focus especially on how they use those environments to support themselves, and how environmental management affects the supply of the resources they need. In 2010/11, he co-edited three books on the use of natural resources by local communities and he is a leading authority on the use of such resources for poverty alleviation.

I ask him to give me some illustrations of what this actually means. He points out that over three million South African households use around R4 000 worth of firewood every year, which they collect for free. If that were to disappear, and people were forced to buy wood or other energy sources, then they would need more state support or families would simply fall into further hardship.

These kinds of resources are not only used as direct provisions, they also provide the basis for certain livelihoods. For instance, an estimated 27 million South Africans use traditional medicines as their first choice for health or spiritual needs. This is an industry that is worth billions and which contributes to sustainable livelihoods for its practitioners. These kinds of figures, says Professor Shackleton, are extremely significant in the lives of the majority of the people in this country.

"There are various ways of defining poverty but, depending on which benchmarks you use, we have shown that if you take the use of natural resources out of the equation, poverty levels in South Africa would increase between 8% and 20%. Given their current levels, that is clearly something that needs to be avoided."

The importance of understanding these concerns was the driving force behind the successful 2011 application to the South African Research Chair's Initiative (SARCHI) for a chair in Interdisciplinary Science in Land and Natural Resource Use for Sustainable Livelihoods. The application process was spearheaded by Professor Shackleton who, in his motivation, made the point that the "consumptive and cash value of such resource use in rural livelihoods, especially in arid and semi-arid areas, is higher than the consumptive and cash value of arable cropping and livestock husbandry combined." Not only that, but this is largely ignored as he goes on to say:

"South Africa has a well established extension service to support agriculture, but no extension service to
promote sustainable resource use... These products are frequently invisible to developers and planners, and hence national policies.”

Under Professor Shackleton, the Rhodes Environmental Science department has always had both an applied and a theoretical approach. In order for change to be brought about, it is vital that the work of the Department and the Chair has some influence on government and, indeed, anyone involved in environmental policy and management decisions. I ask him if it is difficult to make that influence felt.

“It isn’t easy. Things don’t change quickly and it takes years for legislation to be passed. Plus, people move around in government departments all the time. You might have developed a strong relationship with someone who is open to hearing about what your research is showing, and then suddenly they’re gone. But our influence is not just with government. We can speak to decision-makers in households, community leaders and NGOs. We can work with municipalities on their five-year plans and make sure they have skilled people in place to optimise the benefits of local resources.”

He stresses that it is not just one piece of research that is going to have an effect on policy. It is, rather, an accumulation of evidence around a certain topic that will cause people to think and act differently. It is therefore essential that the department publishes its results as widely as possible. Not only that, Postgraduates in the department are required to report on their research findings directly to the communities and stakeholders affected by the research.

“Science does not stop at publication. We have to demonstrate the relevance of the work we’re doing to the people involved as well as to the community at large. In this way we can build up the critical mass of evidence and understanding necessary to bring about changes in attitude and action. More than that, as a department, we want to produce scientists who are aware of the social and political contexts in which they operate, who understand they are not working in a bubble.’”

Professor Shackleton believes that the research Chair will provide even further impetus for international collaboration. The department already works closely with universities all over the world. Although the Environmental Science department is relatively small (the University of Southampton, with whom they are currently working, has thirty-two academic staff in its environmental science department while Rhodes has six), it offers a depth of expertise around Southern Africa and is exceptionally well-networked, something that he believes is vital.

“We have to interact as widely as possible because it allows us to unearth synergies, experience different ways of thinking, to explore different models and approaches. It’s through this kind of exposure that we learn. Plus it taps us into an international network of expertise and resources.”

Increasingly, this kind of collaboration means not only a multi- and inter-disciplinary approach of working together with other disciplines but also a ‘trans-disciplinary’ approach which describes a more intrinsic kind of collaboration with other knowledge forms and holders outside formal scientific and research arenas. In these cases, the different perspectives brought by each discipline can contribute to a greater whole. Professor Shackleton points to a current collaboration on a Canadian-funded project with the economics department of the University of Alberta.

“We were working with some of our livelihood questionnaire data. They put the information through advanced mathematical models that are way beyond anything we could do - which helps us get more from it. However, their approach is highly quantitative whereas ours is tempered by qualitative insights. They might say that, under certain parameters, agricultural production will go up 17%. Because we know the environment in which the information was gathered, we know whether or not that would actually happen and, if not, why not.”

While international collaborations are important, the ultimate benefits of the work done by the department are very much centred on Africa. The Chair has been designed to address three, of what the Department of Science and Technology (DST) has outlined as its five Grand Challenges. These are: energy security, especially in light of the current precariousness of the national grid; global change which includes climate change but also other social, economic and biophysical changes; and human and social dynamics, specifically the understanding of the links between the social and human dynamics and the surrounding resource base.

I ask Professor Shackleton whether, rather than focusing on the investigation of how poorer people make use of the only resources they can afford, it would be better to put that energy into looking at how their situation can be materially bettered. Isn’t he, in fact, just helping to preserve the status quo? He doesn’t dismiss the idea, but once again, the emphasis has to be on the pragmatic.

“While improved standards of living and wellbeing is the clear goal, we have to work with the here and now. By deepening our understanding of what these resources are and how they are being used - or misused - we can help prevent people’s situations getting worse by making sure decision-makers understand their reliance on them.

We can also calculate their value so there is some contingency planning if that resource is under threat, we can help build up supply of that resource and we can help people use that resource to create a sustainable livelihood.”

An example of this is one of his Masters students who recently spent two years identifying the most abundant
resources useful to local communities available in the Wild Coast Parks (building timber and medicinal plants turned out to be the top two). This then led to the department writing a plan to help the organisation manage those resources and to supply local communities whilst maintaining their conservation mandate.

The fact that the Chair will be at Rhodes and in the midst of a number of communities who rely on these kinds of resources is important. However, Professor Shackleton says that they are not limited geographically.

"We are certainly in an area that offers a rich and diverse field of study. However, the Chair and our existing international collaborations, give us the chance to travel more widely as necessary. It’s important we are able to go wherever we are most likely to find the answers to questions that affect some of this country’s most vulnerable people.”

- Jayne Morgan
The Murray and Roberts Chair of Environmental Education celebrated its twentieth birthday in 2010. It was created, in the words of the then Dean of Faculty, Professor Pat Irwin, because “environmental education was diffuse and lacked a theoretical basis”. It was a new area of study across the world with few established university programmes.

Over the past two decades, the discipline has grown and developed but, while the chair was doing vital work influencing educational policy and helping communities meet environmental challenges, what it didn’t have was a home, somewhere from which they could co-ordinate their many research projects or bring together the communities they were trying to reach. They were concentrating on “real-world solutions” but, apart from a corner office in the Rhodes education department, they didn’t have place in the real world.

All that changed in 2011 with the completion of the Environmental Learning Resource Centre (ELRC). It was the result of an ambitious partnership between the South African National Biodiversity Institute, the Department of Environmental Affairs (DEA), the Department of Economic Development and Environmental Affairs in the Eastern Cape (DEDEA), Makana Municipality and Rhodes University. The aim was to strengthen environmental learning in Makana and more widely across the country.

The Centre building was funded by the Expanded Public Works Programme and forms part of a wider R19 million project to reconstruct the Makana Botanical Gardens - which is why there is a gate from the Centre that leads directly into the Gardens. The university provided the land and also maintains and staffs the building - a place where research, teaching and community engagement come together.

Professor Heila Lotz-Sisitka, the current Murray & Roberts Chair of Environmental Education says that there is huge satisfaction in finally seeing a place that is both for the university and for the people around it.

“Now we have a physical space in which we can put into practice our ideas about how the many facets of our work can and should be integrated. Previously there was, unavoidably, some separation between our academic research and our service, the work we were doing with communities. We are building a new educational discipline and now we have the right place in which to do it and, more than that, the space helps us do it. The building is shaping the epistemology.”

Environmental education is what she calls a ‘translating discipline’ which means it is as much about ‘ways of knowing’ as it is about knowledge. If the life of a community is genuinely going to be improved and people successfully encouraged to do things differently, then relying on a one-way flow of knowledge from, say, the university to the community, is unlikely to be successful.

“It’s what we call social learning. It’s an active learning process and it’s about connecting the necessary knowledge and understanding to a social system. We have to understand how that knowledge will be used in a society and we also have to learn from its people. For instance, we have to take into account the powerful role of belief and tradition in shaping analysis and action and we have to acknowledge and harness local knowledge and practice as we work to increase scientific understanding.”
This inextricable link between environment and society is, says Professor Lotz-Sisitka, at the heart of the development of environmental education as a discipline.

“Environmental issues are constituted in the social, economic and political spheres. Poverty is influenced by and often made worse by environmental conditions, especially if people rely heavily on dwindling natural resources. It is not possible to separate environment and society. We believe that environmental education is one arm of a new social movement, a movement for social change. We have a change interest.”

She also points out that this emphasis on the learning of a society, rather than the learning of individuals only, is important in reducing blame - which is essential to bringing about real change. The problems are a collective responsibility and so the solutions are more likely to be achieved by collaboration and a multi-faceted approach.

Given that much of the centre’s research takes place in some of Africa’s poorest communities, I ask her if it’s difficult to interest people who are struggling to put bread on the table, in what happens to the plastic bag after the bread has gone.

“This idea that ‘green’ issues are middle class issues is an extremely limited view of human-environment relations. Certainly, concern about packaging can be seen as something of a luxury, but things like clean water supply or insufficient waste management services are big concerns for poorer communities. The environment also affects food security. For instance, we’ve done a project working with the fishermen on Lake Malawi to understand how learning can help to resolve the depletion of fish stocks. The Malawian people rely on fish to provide approximately seventy per cent of their protein.”

Research at the centre falls within three main areas: work that feeds into the development of the curriculum from pre-school to higher education and further education and training; the development of successful workplace learning; and research into community education and how people learn to use and manage the natural resources essential to their existence. This scope is broad and there is a wide variety of research projects being done by the large number of postgraduates attached to the chair (16 PhD and 33 Masters students registered in 2011).

Recent work has included studies on learning processes associated with urban agriculture practices in Makana, knowledge of water harvesting methods in Zimbabwean and South African rural communities, the role of community learning in water resource management in the rural Eastern Cape, the importance of heritage education for sustainable development in sub-Saharan Africa, gender issues in environmental education, food waste management as a ‘hidden curriculum’ at Rhodes University, the ‘re-imagining’ of thinking around environmental issues through art, and many more.

I ask if there is a danger that this diversity will dilute the impact of the work the centre is doing.

“Although our projects are wide ranging, they are all designed to look at three core areas: firstly, we focus on ‘learning’ and how people learn about particular issues; secondly, ‘agency’ which means how people learn to act in response to the issues; and then, ‘social change’ looks at how learning and actions may link to social change processes. The diversity of our projects provides a range of perspectives on these core ideas and, in that way, it actually deepens our understanding of them.”

Professor Lotz-Sisitka, her colleagues, and the Centre scholars are currently documenting these core concepts in book form, another stage in the development of environmental education as a discrete academic discipline. It is a discipline that, by its very nature, is focused on bringing about real change in the world. However, it can’t do this in isolation. I ask how easy it is to persuade government and other policy-makers to take into account the ELRC’s findings.

“We work in partnership with government. Both sides bring something but we also gain something. In 2011, we worked extremely hard on an extensive systems analysis and environmental skills plan for government. It was a difficult job but it brought attention to the environmental sector as a sector in its own right. It helped both sides understand what education and training was needed to help the sector work more effectively which, in turn, meant they understood more of what we were trying to do, and therefore were more likely to support us.”

The plan covered environmental education as part of the national curriculum, vocational qualifications in the workplace and it also assessed environmental skills capacity in the country as a whole. It helped catalyse government interest in teacher education and the training of those with environmental portfolios working in municipalities.

“Environmental concerns run across sectors, departments and disciplines so it’s always been difficult to assess just how many people are involved. Having done the study, we’ve discovered that it’s a huge sector and, if you include all those involved in things like water and waste management, it’s bigger than the mining sector in South Africa. I think we are helping to change the perception that we are just a lobby group. Environmental workers and educators are a whole new area of society’s development and are an increasingly important and integral part of the way society manages itself.”

She points out that because it is only relatively recently that environmental concerns have become a world priority, environmental education is a new discipline, especially in comparison with, say, maths or literacy education. An important part of the ELRC’s mission is getting society at large to understand the concepts involved and to recognise the discipline.
There is no doubt that ELRC's work reflects a commitment to applied research. A good illustration of this is what they call their Sustainability Commons, a series of practical projects designed to help the communities in and around Grahamstown. For instance, they are currently working with a local youth group on a composting project. With the skills they have learnt, the group were successful in winning a contract from the municipality to run the project as a business. As Professor Lotz-Sisitka describes, the learning then evolved further.

"Now they’ve realized that, in order to do this, they need to know more about how business runs and how to manage finances. Through actually doing the work, they have come up against the ‘knowledge-practice gap’. Next, we’ll help them acquire those skills. For us it’s a chance to make social learning more visible and to understand more about how to connect ‘knowing’ with ‘doing’ in other projects".

It is this kind of connection between education and society that, she says, is the reward for her in doing what she does.

"I’m passionate about education generally [her background is in primary education]. Helping establish environmental education as a discipline has allowed me to work across all areas - from early childhood development to the tertiary phase and beyond into adult learning. But even more than that, it allows me to see what education can actually do in the world, and therefore, what it’s doing to shape our future."

However she’s quick to point out that, while she has been very much part of the initiative to create the centre, she did not do it alone.

"My colleagues Eureta, Rob, Lausanne, Ingrid, Sashay, Gladys and others have worked tirelessly to make the Centre what it is today, showing that academic achievements are never just an individualized affair".

She believes that an important part of her role is to provide a scholarly infrastructure that encourages the kind of creative thinking that will help secure that future. This includes everything from working tirelessly to attract and manage sponsorship and constantly refreshing the theoretical lenses and available literature at the centre, to making sure there are photocopiers that work and that there is plenty of tea and good coffee for scholars and visitors. The centre also runs conferences, international research seminars and PhD weeks when all the various project researchers come together to learn from each other.

"If we are going to find new ways of doing things, then people must be free to think differently, to access their creativity. To come up with solutions that have never been imagined before, you must be in an environment that makes you feel supported and uninhibited. I want the centre to maintain a level of intellectual excitement that inspires that kind of thinking. We have this amazing space, now we are filling it with ideas and good research that means something in the world."

- Jayne Morgan
In the late Nineties, Rhodes University's School of Languages abandoned its 'mother tongue' African language courses. This wasn't a surprise. After 1994, interest in African languages - especially mother-tongue courses - was in decline all over South Africa. There were many reasons for this. The teaching was old-fashioned and theoretical, there was a shift towards English as a global language, schools were less dedicated to the teaching of African languages and very few students wanted to continue their studies at tertiary level.

However, in 2006, all that changed. Professor Russell Kaschula took over the School and began a wholesale reinvention of Rhodes African language teaching. His vision was inspired by the desire to create an institution capable of helping South Africa succeed as a nation, as he wrote in an article for the Mail & Guardian:

"The reinvention of African languages is necessary to reach the populace in languages that they understand best. There can be no democracy, no effective service delivery, no effective policing, no effective education through the medium of languages that many do not speak - languages that were privileged under apartheid and that largely continue to be privileged today even though we have one of the worst literacy rates in the world. English remains one of the key barriers to educational success. It is time for English and African language scholars to innovate and help build our nation through effective communication." \(^1\)

If South Africa is to break through these language barriers to success, argues Professor Kaschula, there is a huge need for skilled language practitioners, teachers, editors, terminology developers, lexicographers - anyone able to help African languages continue to develop and to remain relevant.

This new approach soon bore results. First of all, money was raised, including substantial amounts from the South Africa-Norway Tertiary Education programme (SANTED) and the National Department of Arts and Culture (DAC). This provided bursaries that not only helped attract undergraduates but also retained them as postgraduates up to PhD level. In addition, it provided capacity to recruit lecturers and to extend multilingualism initiatives with direct support from senior Rhodes University administrators. The numbers began to speak for themselves.

In 2006, there were fewer than 100 African language students, with no postgraduates. By 2010, there were 300 students, 150 undergraduate second-language students, 50 isiXhosa mother tongue students and 63 postgraduates - of whom 39 were doing Honours, 21 Masters and 2 PhDs. One of the most symbolically important achievements was having students studying isiXhosa (first language) as a major.

Professor Kaschula points out that, in order for African languages to flourish, they must evolve in response to human progress and development just as any other language does. For that reason, he ensures that the curriculum is constantly updated to maintain its relevance. Current courses, many of which are taught in isiXhosa, include the influence of English on the growth of African languages in the global context; comparative African language linguistics; translation studies; lexicography;

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1 A 'mother tongue' course is the study of a particular language undertaken by those for whom the language is their home or first language.

2 Professor Russell H Kashula, Mail & Guardian, 15th October 2010.
literature and publishing; media studies; and human language technology.

As well as these, the department has also designed a number of vocational mother-tongue courses aimed at filling specific gaps in the market and therefore helping more students start successful professional careers. These are practical courses such as translation studies, human language technology, language planning and orthography and writing skills.

Professor Kaschula also believes that the School of Languages has an important role to play in promoting multi-lingualism throughout the university. Currently, around 40% of Rhodes students do not have English as their mother-tongue and this number is likely to grow. He helped set up and chairs the University language committee which manages Rhodes’ language policy, as well as holding a number of events and conferences throughout the year to promote multi-lingualism - something he thinks should be intrinsic to studying at Rhodes.

“As a South African tertiary institution, this university needs to produce graduates who understand, and can respond to, the social needs of our country. This means they must be able to function in a multi-lingual environment.”

In line with this approach, Professor Kaschula and his department have designed courses for second language learning in professional disciplines. These include isiXhosa for Law, Pharmacy, Psychology, Journalism and Media Studies and Education. Students are required to take and pass these courses as part of their degree. There is also an IsiXhosa for Staff course which is open to any staff member at the University.

The number of students studying African languages keeps growing. Plus, because of the numerous bursaries available, those students are becoming increasingly diverse, with many from previously disadvantaged backgrounds. To provide even more opportunities, in 2011 the School of Languages, led by Professor Kaschula, successfully applied to the South African Research Chair’s Initiative (SARCHi) for a Chair in the Intellectualisation of African Languages, Multilingualism and Education.

The overall aim of the Chair is to “facilitate access, retention and success of historically-disadvantaged students and use African languages to enable development, change and transformation within the university environment”.

The proposal outlines a number of research areas including studies in multilingualism and the intellectualisation of African languages; applied language studies - for instance creating terminology in scientific and technological subjects and the use of African languages on the internet and across social networks; research in linguistics (applied and theoretical) and lexicography; language policy planning and implementation; translation studies and sociolinguistics in general. It also includes literary studies and the use of innovative technology to improve the archiving of African literature - both written and oral - and to further develop second language learning in professional disciplines.

If the number of black students successfully completing higher education degrees is ever going to reach the levels necessary for a more equitable society, then there is a great deal of work to do. As the SARCHi application points out, this is a problem already understood by government. The Higher Education Language Policy states that Indigenous African languages have purposefully not been used in higher education in the past and they have not been fully developed as academic or scientific languages. Students entering university engage in that environment in a language “foreign” to them while, because of the schooling system, these students are also not academically proficient in English or Afrikaans. The policy goes on to recommend that universities make provision for these students, to include African languages where they can and to develop them.

Professor Kaschula passionately believes that this is the core motivation for all the research that will be done by the Chair.

“While the government recognises that students are struggling with language issues, the research necessary to start finding solutions to those issues has not yet been done. Ultimately we want to continue to lead the way in helping African languages become languages of scholarship and learning at the highest level. The work we do will help create templates for other tertiary institutions - especially in the areas of multilingualism and the formulation of language policies. This research is unique and essential, not only to the study of African languages but to their very existence.”

Lucy Masombuka
BA Hons African Language Studies (Rhodes)

Lucy was a high school isiNdebele teacher when she enrolled to do the Rhodes Honours language course. In order to do this, she had to travel to Grahamstown overnight by bus from Mpumalanga, go to her tutorial and then get the bus back. She did this for two years whilst still working full time.

“There are closer universities but they didn’t offer the opportunities that Rhodes could. I decided I’d rather pay the transport costs and get to the institution that could give me the quality of education I wanted. My language is under threat at many universities because of low numbers of students and lack of teachers. Rhodes had the skills and the vision to help me study my own language, and taught me how to meet the challenges involved. I found the experience very empowering.”

The course gave her the confidence to apply as a language practitioner in Parliament. She is now involved in terminology development, translation, interpretation and is learning the specialised skill of ‘reporting’ speeches and debates in the chamber.

“I stood out particularly because I’d done Human Language Technology at Rhodes. Very few Ndebele speakers also have the technical knowledge to use the necessary equipment and programmes.”

Mila Fobe
MA African Language Studies (Rhodes)

Mila comes from Grahamstown and is a teacher at CM Vellum, an isiXhosa medium school in the city. She completed the Rhodes Honours language programme - including courses on language globalization, language policy and planning, and translation.

She then went on to do her masters in which she compared language policies at CM Vellum and PJ Olivier, an Afrikaans medium school also in Grahamstown. She is now studying for a PhD looking at curriculum outcomes, teaching practices and learner competencies in isiXhosa in three local schools - one government, one ex-model C and one private.

“I feel completely supported. My supervisors are so patient and understanding. They always offer advice with research or help with resources like lending laptops and recording devices. Also I am surrounded by experts in their fields and there is huge diversity in the department. All this makes doing the PhD more enjoyable and I want to go on to post doc. I’m excited about passing on my passion for languages to future generations and about trying to improve language teaching and policy.”

Pumeza Mabusela
BA Jour (Rhodes)

Although Pumeza obtained a distinction in isiXhosa in matric, she didn’t come to Rhodes intending to study it. In fact, she wasn’t even aware that the university offered mother tongue courses. Having discovered they did, she made it one of her three majors (the other two are sociology and journalism) and, as she says, learnt a huge amount.

“The course was completely different from anything we’d done in high school. It made me see my own language in a new way, made me realize how important it is and that it is a part of me. It made me more passionate about it.”

One of the courses she did was translation studies and this opened her eyes to the possibility of helping her language to flourish.

“We would translate technical articles and have to coin new words. We created Wikipedia pages in isiXhosa. We wanted to generate as much material as possible.”

Pumeza was so interested in using the skills that she’d learnt in her translation studies course that she and a friend started ZaNto Translations, offering their services around the Rhodes campus and beyond. Their intention is to continue with the work even after they leave university, training other translators in order to increase their capacity.

- Jayne Morgan
In 2011, Rhodes welcomed its first intake of students to a new Postgraduate degree - the Master of Arts in Creative Writing. The course was the brainchild of Professor Laurence Wright¹, head of the Institute for the Study of English in Africa (ISEA)² and his vision was to create a different kind of creative writing Masters to those offered at other universities.

"Grahamstown has long been a home for writing and publishing," says Wright, "and we wanted to round out its existing traditions of journalism, language education and literary study by introducing a formal and innovative creative element. Literary art now joins theatre, music and visual art as part of Rhodes' contribution to South Africa's artistic culture."

The new programme involved widespread local and international consultation and comparison, followed by a three-year process to achieve provisional national accreditation for the new degree. Unlike most South African creative writing programmes, the Rhodes Masters is a dedicated degree programme, formally approved by the South African Qualifications Authority (SAQA).

The Masters of Arts in Creative Writing grew from ISEA's long track-record of fostering and encouraging creative writers, especially poets, through the publishing network that grew up around the pioneering poetry journal New Coin³ and, later, the Institute's extra-curricular writing course. The latter is beginning to function as a feeder-course for the Masters degree.

Wright says he did not have to look far to find the right person to head the programme. Robert Berold, a well-known poet, had been teaching creative writing since the mid-seventies and offered the ISEA's first creative writing courses at the National Arts Festival in 1991. Robert lives in Grahamstown and, as well as being a writer, had been an editor of New Coin magazine and was co-founder of Deep South publishing. He had started the creative writing evening course at ISEA in 1988 together with Colleen Higgs (subsequently founder and publisher of Modjaji Books). He shared Laurence's vision for a Masters that had a wide scope and that would be open to a broad range of potential writers.

"If entry to the course is based on a formal proposal for a book-length work, this favours students who have come out of a literature department. We wanted to find people who have the urge to write, who are probably already writing, but may not have the critical skill to conceive of a full work in advance. We also needed teachers who would both shake up the aesthetics of the well-read students and challenge the aesthetics of the less well-read students."

Acceptance to the programme is based mainly on the submission of a twenty page portfolio of creative writing, which can include prose fiction, memoir, poetry, ... the writer has potential. Sometimes students, who are selected from all round the country, are accepted without honours degrees if they have obvious talent and a significant body of existing work - published or unpublished. However, they each have to achieve Masters degree standard on exit.

Because of the variations in experience and approach amongst the participants, the course starts off by giving people intensive writing practice and equipping them with the tools they need to explore their own writing. The first four months consist of weekly seminars and

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¹ Professor Laurence Wright has been head of ISEA since 1990.
² ISEA was founded by Guy Butler in 1964 to study all aspects of English as a spoken and written language throughout the continent.
³ New Coin is a literary magazine founded by Butler that has been published by Rhodes since 1964.
writing exercises covering such topics as focalisation (writing from different points of view), poetry, fiction, story-telling formats, drama and dialogue, creative non-fiction and use of source material. Everyone on the course tries out all genres - whatever their previous writing focus.

Students are also given an extensive reading list chosen to expose them to as wide a variety of genres and writers as possible. This includes experimental fiction, science fiction, writing from Africa, memoir and autobiography, poetry, crime fiction, new horror and non-fiction. It also includes a large number of books on writing and on reading designed to help participants understand their craft better. All of this, according to Robert Berold, is aimed at steering people towards discovering themselves as writers.

"Some people arrive knowing virtually nothing about contemporary writing or have very unformed ideas about their own writing. We look for people whom we believe can absorb the course quickly and then use what they've learned. We give people reading or writing tasks that we think will inspire them. Once they become excited and enthusiastic they are more likely to explore, to take risks, to go further because they now know what might be possible."

In putting the course together Robert Berold and Laurence Wright were adamant that the teachers on it should be writers themselves and that there should be several of them. Each of the weekly seminars is presented by a different writer talking about a distinct aspect of writing, chosen by them and related to their own work. They also set and give feedback on the assignments for that week.

"The idea is for the student to be exposed to as many ways of writing as possible and not become bored with the same couple of people standing in front of them every week. Some confident writers were unsure of themselves as teachers so we had to help them discover what they wanted to say to the students and how to go about doing that. Ultimately, though, I believe it is better for the students to be taught by good writers struggling to teach than it is to have fluent teachers who are not practising writers."

In 2011, the writers teaching on the course included Joan Metelerkamp, Mxolisi Nyezwa, Brian Walter, Paul Wessels, Slike Heiss, Anton Krueger, Hazel Crampton, Paul Mason, Robert Berold and Mzi Mahola. Robert Berold is the first to admit that it is important to challenge set ideas about what makes good writing and to have at least some teachers who are, as he puts it, "aesthetic anarchists".

Students have a week to complete assignments and, at the end of that week, they take their work to their feedback group - four or five people - where they will read it out and get comments from teachers and their fellow students. This interaction, Berold believes, is where much of the real teaching happens.

"In small group feedback, everyone is in the same boat, you are being taken seriously as a writer, it is a chance to test things out, get consensus about what works and what doesn't. People might talk about the work in ways that are not always sensitive, but students are, on the whole, careful with each other because everyone is exposed. Putting your work out there on a weekly basis and getting people's opinions really helps develop people as writers."

Once the assignment section of the course is completed, students decide on a long project which becomes their 'thesis'. This could be prose - fiction or creative non-fiction - or a collection of poems. A prose project must be between thirty and eighty thousand words and can be a novel or a collection of short stories. The poetry collection must contain at least forty poems. Students then work on their projects with the guidance of a supervisor.

From the beginning of the course, students are asked to keep a reflective journal in which they record their responses to the tasks they have been set and the changes that come about in their understanding of themselves as writers. Their final mark comes from an evaluation of a portfolio of work - a combination of pieces generated by the assignments and extracts from their reflective journal and their 'thesis' project.

I ask Robert about the challenges involved in running an essentially creative course in an academic environment such as Rhodes. After all, this is not an evening class, it is a Masters degree.

"I don't believe that the analysis of literature has very much in common with the practice of writing. Just because you're good at one doesn't mean you can do the other. The portfolio and reflective journal is a sound theoretical basis for the Masters because it is there that students demonstrate their learning and create the basis for their own writing practice. Students have to make such discoveries through the process of writing itself."

Robert is relying on the number and quality of the participants to speak for themselves and to create the momentum needed to allow the course to grow and develop.

"We don't want to be too safe. We want to attract at least some people who have had a life and who have something to say about it. We are offering students a chance to explore their writing in an unprecedented and diverse way. It is an exciting place to be."

- Jayne Morgan

4 While there were 22 applications for the Masters in 2011, this rose to 70 applications for the 2012 with an intake of 21.
The Rhodes University Council Chamber Tapestry in 4 panels.
The Rhodes University Tapestry is a magnificent work of art which has been commissioned and produced for the Council Chamber of Rhodes University. Completed and hung in October 2011, it narrates a history of Rhodes University. The tapestry was made by the Keskinima Art Project, an income-generating initiative including about 130 members which had been established in 2000 by artist and medical doctor, Carol Hofmeyr, in the town of Hamburg in the Eastern Cape. Incorporating embroidery, applique and beadwork, the work is comprised of four panels which, together, are 22 metres in length. Project member Noseli Makubalo did all the preparatory drawings and supervised the embroiderers while Hofmeyr worked with her on the overall design.

When read in a clockwise order and commencing with the panel on the north back wall of the Council Chamber, the four panels comprising the Rhodes University Tapestry provide a chronological account of the institution’s history.

The first panel, while invoking reference to the pre-colonial presence of Khoisan people within the region where Grahamstown was established in 1812, focuses primarily on the city in the nineteenth century. The second panel in the sequence, placed on the south back wall, traces the history of Rhodes University College from its founding in 1904 until 1951, when it acquired independent University status.

Rhodes University’s history from 1951 until the demise of apartheid forms the topic of the third panel, located on the front south wall of the Council Chamber. The fourth panel, placed on the north front wall, explores the history of Rhodes University since 1994.

Extract from A History in the Making: The Rhodes University Tapestry, a catalogue produced to mark the unveiling of the tapestry on 1 December 2011. Text: Brenda Schmahmann.
Postgraduates / Graduations

Ms Peta Meyers, Mr Richard Poole and Mr Keven Barnard as part of their Masters studies continued their research in: An analysis of the structure of knowledge and students’ construction of knowledge in Introductory Accounting; A case for the use of Broad Based Tax Incentives to Assist in greenhouse gas mitigation; and A value premium in SA during the recent global economic retraction, respectively.

Significant Research Aligned Events

• Professor Stack continued to serve as Extraordinary Professor at the University of Pretoria and acts as supervisor to their staff members pursuing doctoral studies. Professor Stack was also responsible for the course in research methodology and design and the three research based postgraduate courses in the department. She also chaired and provided guidance to the South African Tax Educators Association, relating to assessing and supervising masters and doctoral theses. Professor Stack was contracted by UNISA to write a module on research methodology for researchers in the field of taxation and on how to write a research proposal. This was completed and delivered early in the year and is being used to train their masters degree candidates.

• Professor Stack is a member of the review board of the journal of Economic & Financial Sciences, a referee for Meditari Accounting Research, serves on the editorial panel of the South African Business Review and together with Professor Lancaster is an ad hoc reviewer for the South African Journal of Accounting Research.

• Professor Bunting passed the Chartered Financial Analyst Level I and Level II exams (and is awaiting the results of Level III). These studies are vital in the department’s plan to introduce a Post Graduate Diploma in Finance and a Masters in Finance degree in the future. Professor Bunting also acts as a supervisor to two Masters students.

• Professor Rosenberg contributed a case study to, Drury’s Management and Cost Accounting, one of the leading international textbooks relating to Management and Cost Accounting. Professor Rosenberg also contributed two chapters (Valuations, and Mergers and Acquisitions) to a textbook covering finance currently being compiled by Oxford University Press.

• Mr Richard Poole was elected as deputy chairman of the Eastern Cape chapter of the South African Accounting Academics Association, Professor Bunting, Mrs Anita Wagenaar and Mr Hugh Harnett also serve on the executive committee of the province.

Mr Hugh Harnett
Acting Head of Department
Collectively, the department of Anthropology produced to completion one book, three book chapters, five journal articles, a report for the Mauritian equivalent of our TRC, and a handbook; colleagues presented six papers at international conferences or workshops, and four staff (and four postgraduates) read papers at the annual conference of their professional association; two colleagues gave seminars at Rhodes. In addition, five commissioned chapters or papers were in late stages of production by the time the year ended. More significantly, Professor Chris de Wet and Dr Penny Bernard became involved individually or collaboratively in three separate projects that will produce outputs in the future. Ms Joy Owen submitted her PhD thesis in 2011.

Postgraduates
The department graduated one MA, another MA candidate completed, and a third was upgraded to PhD - all supervised by Professor Robin Palmer. Eight Honours students also graduated.

Significant Research Aligned Events
- Professor Rose Boswell was awarded an NRF research rating of C2.
- Professor Boswell spent the first three months of 2011 wrapping up an international project funded by the Mauritius Truth and Justice Commission (TJC) and the Mauritius Government. The project commenced in 2010 and Boswell led a six member team to conduct research on Race Discourse, Policy and Practice in Mauritius.
- In October, Boswell’s book, Representing Heritage in Zanzibar and Madagascar was published by the Organisation for Social Science Research in East and Southern Africa (OSSREA), which had funded the research on which it was based.
- Professor de Wet read a paper at a Workshop in Dresden, Germany, in May 2011, held in honour of Michael Cemea, the dean of international resettlement policy, and a major figure in international development. He was selected along with some 15 invitees from across the world, and gave a paper evaluating Cemea’s theoretical approach to resettlement. These papers have already been reworked in terms of the editors’ suggestions, and the intention is for the reworked papers to be published in a book by Oxford University Press in 2012.
- Dr Bernard prepared a joint research application with Dr Michelle Cocks of the ISER, entitled Nature, Culture and Heritage which attracted postgraduate student bursaries worth R200 000.00 from the Sandisa Imbewu fund. This will enable research on the nexus between indigenous knowledge, environmental management and heritage and support two Masters students and two Honours students in Anthropology.
- Ms Silvana Barbali commenced her PhD and a research collaboration with CHERTL.

Dr Penny Bernard
Acting Head of Department
Books/Chapters/Monographs


Publications Research Journals in Abstract and/or Full Paper


Other Publications


Research Papers Presented at Academic/Scientific Conferences (Proceedings)


Books and Attendance


International Visit

Earlier in the year the Department said farewell to Professor Greg Blatch who relocated to Australia. Professor Heinrich Hoppe joined the Department in August 2011, returning to academia after a period at the CSIR. A new addition to the Department of Biochemistry, Microbiology and Biotechnology has been the High Throughput GS Sequencing Facility run by Professor Dorrington. This state of the art facility was funded through the NRF National Equipment Programme and was officially commissioned in September 2011. The applications for this technology are wide-ranging including sequencing an entire bacterial genome, detecting single nucleotide polymorphisms, environmental metagenomics, gene expression profiling, pathogen detection and targeted sequencing for human genetics studies. Since the commissioning of the equipment, one research article using data generated by the GS Sequencer has been published and one is currently in press. The new facility will certainly contribute to increased research output over the coming years.

Postgraduates & Graduations

The Department graduated 20 Honours, 14 Masters and 7 PhD students in April 2011. Professor Janice Limson was awarded the Vice-Chancellor’s Distinguished Research Medal for 2010 at the 2011 graduation ceremony where six of her PhD and MSc students received their degrees. Members of the BioSENS research group including former PhD graduate Dr Ronen Fogel and PhD student Michael Niland travelled to Bath, UK to present research in a symposium on “Sensors for Africa” convened by Limson and former Rhodian Professor Ken Ozoemena as part of the annual Electrochemical Horizons.

PhD student Mary Cromhout presented her work at the International Society of Electrochemistry conference in Japan, while both Ms Cromhout and PhD student Kelly-Anne Frith spent three months conducting research in aptamer design with collaborator Dr Makobetsa Khati at the CSIR in Pretoria. Dr Susan van Dyk, a Postdoctoral Fellow in Professor Pletschke’s group, presented her research findings at the Eurocarb 16th Carbohydrate conference in Sorrento, Italy, on 3 - 7 July 2011. Professors Dorrington and Pletschke and Drs Boschoff, Knox and Dames accompanied a group of 15 students who presented their research at the 16th South African Society for Microbiology Conference in Cape Town. Ms Mulla, an MSc student, received the prize for the Best Poster award at the 2nd Regional Conference of the Southern African Young Water Professionals.

Distinguished Visitors

Professor Russel Hill from the University of Maryland, Institute for Marine and Environmental Technology, USA taught the Marine Biotechnology Honours module and delivered the Annual PD Rose Lecture in Biotechnology.

Significant Research Aligned Events

Professor Limson was the first runner up in the Department of Science & Technology Women in Science Awards in the Life Sciences category. She took over as chairperson of the Rhodes University School of Biotechnology in 2011, and together with her steering committee received a Sandisa Imbewu Grant from the university to grow this flagship programme geared towards product development within the field. Communicating research and science to the general public remains a core focus for Professor Limson, appearing live on SABC 3 programme “3Talk” with Noeleen Richards, engaging in radio interviews with UK-based Naked Scientist and Christina Scott’s SAFM science slot. Also featuring in national and regional newspapers was Limson’s PhD student Shane Flanagan whose presentation at the Annual DST/ Mintek Nanotechnology Innovation Centre Symposium for his
research on cancer diagnostics and therapy highlighted a new wave of research in the utilization of nanomaterials for both detection of cancerous tissue and delivery of cancer drugs to targeted sites.

Professor Brett Pletschke was invited as plenary speaker to the 52nd Annual Conference of the Association of Microbiologists of India (AMI) (AMI-2011). This International Conference on Microbial Biotechnology for Sustainable Development was held on 3-6 November 2011 in Chandigarh, India. Professor Pletschke presented the latest findings of his research group’s work on enzyme synergy and how this synergy can enhance optimal agronomic biomass conversion. During this time, Professor Pletschke also visited the laboratories of his collaborators Professors Ramesh Kuhad (University of Delhi-South Campus) and Appa Rao Podile (University of Hyderabad). Professor Pletschke also attended and presented at the Gordon Research Conference on “Cellulosomes, Cellulases and Other Carbohydrate Modifying Enzymes” which was held in Easton, Massachusetts, USA on 24-29 July 2011. At this conference, the role of enzyme synergy and chemical pre-treatment for optimal sugarcane bagasse degradation was highlighted.

Despite his pending retirement, Professor Chris Whiteley had a busy year. In June his research group moved laboratories to allow his group of 8 postgraduate students and 2 post doctoral fellows to expand. Dr Jacqui van Marwijk joined the research group from University of the Free State and injected a molecular biology component into Professor Whiteley’s research. An asset to the group, she took ownership of the nanomedicine and biomedical targets with respect to malaria.

The multimillion rand scFOS project in association with Stellenbosch University and the Technology Innovation Agency shows good promise for the enzymatic production of GF4. Professor Whiteley was invited as a keynote speaker and chairman for a workshop at the 23rd Biennial Conference for International and European Neurochemistry in Athens, Greece in August. This was followed by visits and talks with the National Centre for Nanotechnology, Beijing; Normal University of Shenyang and at the 2nd BIT Conference on Enzyme Catalysis in Dalian, China. Professor Whiteley also found the time to attend a National Training Workshop for Water Research Management in Taipei, Taiwan in November, where he was an invited speaker.

Dr Joanna Dames
Head of Department

High-Resolution Scanning Electron Micrograph of Single-Walled Carbon Nanotubes, taken by Rory Brimecombe as part of his PhD studies.


Prinsloo, E, Cooper, LC, Moyo, B, De La Manu, J, Lawson, C, Edkins, AL and Blatch, GL, "PfHsp70-1 associates with the GSK3β -axin-1-phosho-S-Catnin complex in the human MCF-7 epithelial breast cancer model", Biochemical and Biophysical Research Communications, 2011.

Dames, JF, Goble, T, Dames, F and HM MP, "Investigation of native isolates of entomopathogenic fungi for the biological control of three citrus pests", Biocontrol Science and Technology, 2011.

De Almeida, L, Pletschke, BI and Froman, PW, "Optimization of the Theiler’s murine encephalomyelitis virus infection induces a redistribution of heat shock proteins 70 and 90 in BHK-21 cells, and is inhibited by novobiocin and geldanamycin", Cell Stress & Chaperones, 2011.


Blatch, GL, Blatch, GL and Przyborski, JM, "Protein biochemistry: Don’t forget the cell biology", Biotechnology and Bioprocessing, 2011.


Cooper, LC, Prinsloo, E, Edkins, AL and Blatch, GL, "The PINIT domain of PIAS3: structure-function analysis of its interaction with STAT3", J. of Molecular Recognition, 2011.

Morrisson, D, Van Dyk, S and Pletschke, BI, "The effect of alcohols, lignin and phenolic compounds on the enzyme activity of Clostridium cellulovorans XynA", Bioprocess and Bioconversion, 2011.


and their protein inhibitors” J. journal of Molecular Modelling. 17:12, 3165-3172.


Vassey,DF and Pietkuch,B


Whiteley,C


Braekx, A, Whiteley,C and Bosshof,A


Whiteley,C and Paalayachee,ER


AdeleyoAO, Mutanda,T, Slatter,C, and Whiteley,C


Yssel,A, and Taistant Bishop,O


Other Publications

Dames,J F


Research Papers Presented at Academic / Scientific Conferences (Proceedings, Booklets and Attendance)

De la Maranj,A and Blatch,G


Matcher,GF and Dorrington,RA


Edkins,A


Fogel,R and Limsonj L


Frith,KA

Padayachee,ER.

“Bacterial 


Fradkha, Wilhelmi,BS and Limsonj L.


Hatherley,RA, Taistant Bishop,O, Blatch,G and Pesce,ER


Knock,C

Rhodes Research Report 2011

Section 2: Science and Technology

1. Arbuscular Mycorrhizal Fungi


2. Combined Congress


3. Influence of Mycorrhizal Helper Fungi and Their Roles in Plant Growth Promotion and Disease Inhibition

Meyer, AH, Dames, JF, and Wilhelmi, BS, Cape Town, South Africa. November 2011.

4. Extracellular Polyacrylamide Production in Bacillus Subtilis Amylase SVO

Luyt, CD, Muller, WJ, and Dames, JF, Intercontinental Hotel, Cape Town, South Africa. November 2011.

5. The Kalahari Truffle and Host Interaction with South African Sponges Belonging to the Genus Tsitsikamma


6. Rapid Detection of Organophosphorus and Organochlorine Based Pesticides and Their Breakdown Products in Water Using Acetylcholine Esterase Assays


7. Bacterial Community Diversity Associated with Variability in Current Responses as a Factor of Electrode Surface Characteristics


Yisael, A and Tantian Bishop, O

**Concerts, Exhibitions, Performances, Workshops, Events**


Dames, J. Facilitator: “Laboratory Practices”. Good Laboratory Practices (GLP), The View Boutique Hotel and Spa. Durban, South Africa. 5 - 6 July 2011.


Tantian Bishop, O

Whiteley, C.G.

**International Visits**

Dames, J.
Dames, J. Laboratory of Applied Microbiology, Universidad Nacional del Comahue, San Carlos de Bariloche, Argentina. Project discussions on SA/Argentina collaboration. 31 August - 8 September 2011.

Limson, L.
Limson, J. The University of Bath, Bath, United Kingdom. Co-Convener of the Sensors for Africa Symposium at the Electrochemical Horizons conference. 5 - 6 September 2011.

Pietsch, C.
Pietsch, C. Biotechnology, Hyderbad University, Hyderbad, India. Collaborative visit to Prof A.R. Podile. 27 - 31 October 2011.

Pietsch, C. University of Delhi-South Campus, New Delhi, India. Collaborative visit - Prof R.C. Kuhad. 1 - 3 November 2011.

Pietsch, C. Punjab University, Chandigarh, India. Presented an invited plenary lecture. 3 - 6 November 2011.

Prichard, T.

Pletschke, B.
Pletschke, B. Student Representative.

Roenke, J.

Whiteley, C.G.

Whiteley, C.G. Shenyang normal University, Shenyang, China. Invited lecture on nanomedicine and infectious diseases. 22 - 23 April 2011.
2011 was once again a productive and active year for the Botany Department. At the beginning of the year, the Botany Department planned and hosted the 37th annual conference of the South African Association of Botanists, which was held on Rhodes University campus from the 17th - 19th January 2011.

**Significant Research Aligned Events**

- **Professor Barker** continued to serve as Head of the department, and he and his post-graduate students continued their research on the biodiversity of the Great Escarpment Mountains, and a new project on forest biodiversity was also initiated as a consequence of a successful NRF funding application. These multidisciplinary research programmes resulted in a number of scientific publications, and collectively, Professor Barker's research group produced 18 publications in 2011. Importantly, some of these studies have provided important biodiversity information to conservation and management agencies, and some of their data are being used in reserve planning by South African National Parks.

- **Professor Bradford Ripley** continued his research on the ecology and evolution of C4 grasses and he was on sabbatical in the second half of 2011, which included a trip to Australia to deliver a paper at the International Botanical Conference in Melbourne. Thereafter he visited the Hawkesbury Research Institute in Sydney as part of his interests in plant responses to elevated CO2. This involvement included the submission of two successful funding bids (Grand Challenges Global Change and ACCESS) for climate change experiments and student bursaries.

- **Professor Ripley** then spent four productive months at the University of Cape Town collaborating on projects investigating the role of leaf succulence in the Aizoaceae and the mechanisms that confer shade tolerance in select C4 grasses. He attended two ACCESS workshops, helped run a UCT undergraduate fieldtrip and initiated a new collaboration with researchers at Cambridge University investigating the grass response to selective herbivory.

- **Dr Craig Peter**'s work on the pollination biology of South African Orchids resulted in a publication on the diversity of pollination systems in the large terrestrial genus *Satyrium*. His other main focus group is the Milkweeds and he and his collaborators published a paper on the unusual flowers of *Ceropegia ampliata* which traps their pollinators for a period within the flower to maximise the loading of pollen on to the pollinating flies. The highlight of 2011 however was his attendance at the 20th World Orchid Conference in Singapore. This event is held every 3 years and combines a very large scientific conference on all aspects of Orchid biology as well as the largest orchid show on the planet, this year attracting over three hundred thousand people.

- **Dr Susi Vetter** was on sabbatical leave in the first half of 2011, much of which was spent synthesizing and writing up the findings and implications of a SANPAD funded research programme on Understanding rural peoples’ sense of place and their environment: Implications for bio-cultural diversity conservation, which was a collaboration with Michelle Cocks (Institute of Social and Economic Research - ISER) and Tony Dold (Botany). As a consequence of this research, she was invited to give a plenary address as well as a session paper at the Biodiversity Planning Forum held in Wilderness in March 2011. Brad Ripley and Susi Vetter also secured funding to initiate a new research project on bush encroachment, focusing on the effects that increasing canopy cover has on the grass understory.

- **Mr Tony Dold** co-authored three book chapters, two peer reviewed papers and one popular article. In
addition to its school curriculum-based teaching activities at seven Grahamstown schools, Inkcubeko Nendalo Community Engagement project (Botany and ISER) presented walks, talks and workshops with student groups WildReach, Khanya Maths and Science Club and ZooSoc as well as for Quest Africa in Alexandria, Albany Museum, and the Botanical Society. A highlight of the year for Inkcubeko Nendalo was the weekend excursion to Assegaai Trails near Salem with grade 10 learners. Tony also collected two new species of Drimia on a field trip to the Klein Karoo and a new species of Albuca in KwaZulu-Natal. He and co-author Dr Michelle Cocks secured sponsorship for the publishing of their forthcoming book on biocultural diversity of the Eastern Cape.

- 2011 was Professor Ted Botha’s final year and he retired at the end of the year, having served the Rhodes Botany Department for over 25 years. He intends to remain active, and will continue to supervise post-graduate students and undertake research, and we take this opportunity to thank him for his contribution to botany in South Africa, and wish him well in his retirement.

During 2011 we appointed Dr Anusha Rajkaran as a new member of staff. Dr Rajkaran recently obtained her PhD from Nelson Mandela Metropolitan University on the ecology of mangrove swamps, and her appointment will enable the department to offer new undergraduate courses in aspects of ecology.

Professor Nigel Barker
Head of Department
Books/Chapters/Monographs

Dold,AP


Publications Research Journals in Abstracts and/or Full Paper

Barker,NP


Clark,VR and Barker,NP


Clark,VR, Dold,AP and Barker,NP

Coombs,G, Dold,AP and Peter,CI

Dold,AP and Barker,NP

Gilbert,UME and Ripley,BS


Kelly,CMR and Barker,NP
Corrigan,M, Kelly,CMR, McQuaid,CD, Bonnemere,LT and Barker,NP. 2011. “Morphological versus molecular identification of Scooty (Phoebea fusca) and Light-motted (P. palpebrata) alfalfa aphids.”” Polar Biology, 34,793-798.


Kolaisimak,J

Martino,Azorín,M, Dold,AP and Barker,NP

McKansie,RJ and Barker,NP

Peter,CI

Ripley,BS

Saheed,SA and Botha,CJ

Tesko,PR and Barker,NP


Tesko,PR, Papadopoulos,I, Minnwald,AL, Matumbara,GT, and others.
Rhodes Research Report 2011

Botany

South African association

Interaction session overview/plenary paper


Dr O Edwards, Crespo, MB, Juan, A, Fay, MF and Martinez-Azorin, M.


Kolasinski, J, Barker, NP, Bourmaud, CAF, Nicolin, E and Chabaneit, P. "Sources and transfer of organic matter in macrobenthic communities from Glorioso Island."


Kolasinski, J, Martinez-Azorin, M and Kaeehler, S. "Biogeographical Processes governing primary production in oceanographic mesoscale features."


Maboboue, C, Pollet, M, Kolasinski, J, Bourmaud, CAF, Frison, P, Potier, M and Martinez-Azorin, M. "Using stable isotopes to elucidate the effects of anthropogenic inputs on food web dynamics in the feeding habit of coastal fish."


Ripley, BS and Venter, N. "Analysis of plant communities associated with Rock Art and Habitation sites in the Southern Caper."


Venter, N and Peter, CI. "Pollinator-driven divergence in hawkmoth pollinated orchids (Mystacidium capense and M. venosum) and an estimate of rates of outcrossing in naturally pollinated fruit."


Peter, CI and Kelly, CMR. "Modes of pollination, degree of specialization and the incidence of deception in the Orchidaceae."


Peter, CI and Kelly, CMR. "Modes of pollination and the occurrence of deception in the Orchidaceae."


Phaliso, N, Barker, NP and McKenzie, NJ. "The tricky problem of Berthelotia Eryth. (Asteraceae)."


Ripley, BS and Martin, T. "Mesobio and the Southern Africa Programmes."


Teslau, PR, Papadopoulos, L and Barker, NP. "Growth rates and thermal tolerance ranges in temperature-linked regional marine invertebrate lineages in southern Africa: Heritable trait or physiological plasticity?"


Venter, N and Peter, CI. "Pollinator-driven divergence in hawkmoth pollinated orchids (Mystacidium capense and M. venosum) and an estimate of rates of outcrossing in naturally pollinated fruit."


Venter, S. "Policy for the sustainable management of wild and farage resources in SA: Some considerations for communal areas."


Venter, S. "An overview of the MESOBIO programme."


Venter, N. "Mesobio and the Southern Africa Programmes."


Jonsson, LMV

Weston, PW
Dr PW Weston, Royal Botanic Gardens, Sydney, Sydney, Australia. Gave plenary lecture as annual South African Association of Botanists conference hosted by Rhodes Botany Department, collaborated in field trip and subsequent publication. January 2011.

Wingfield, M
Professor M Wingfield, Centre for tree Health Biotechnology, University of Pretoria, Pretoria, South Africa. Gave plenary lecture at annual conference of the South African Association of Botanists hosted by Rhodes Botany Department, January 2011.
The Chemistry Department continues to grow in numbers, performance, output as well as its interaction and recognition internationally. 2011 was an exceptional year in which the highest number of PhD theses by a department was submitted for examination.

The departmental output improved to at least 75 scientific papers, 2 book chapters, 54 conference oral presentations, 1 patent, 16 poster presentations, 18 international visits by students and staff, as well as hosting 23 distinguished international scientists in the department.

**Significant Research Aligned Events**

The Chemistry Department is proud to be associated with the high-end and exclusive facilities housed in the Department of Science and Technology (DST)/Mintek Nanotechnology Innovation Centre. Prof Nyokong, the DST/National Research Foundation Professor of Medicinal Chemistry and Director of the DST/Mintek NIC continues to lead by example both locally, regionally and internationally. Some of her accolades for 2011 include the Distinguished Professor award from Rhodes University, admission as Fellow of the Royal Society of Chemistry (RSC), RSC/Pan African Chemistry (PAC) distinguished woman in chemistry, an invitation from Irina Bokova (Director General of UNESCO) to the high level panel of S&T and Innovation for Sustainable Development.

Professor Nyokong also received the International conference on frontiers of Polymers and advanced material award as part of the centenary celebration of the award of the Nobel Prize in Chemistry to the first woman, Marie Curie.

Dr Tshentu took on the task of Chairing the South African Chemical Institute in the Eastern Cape. Professor Torto was admitted as a Fellow of the RSC and also appointed to represent the Analytical Division of IUPAC on the Committee on Education. Emeritus Professor Kaye continued his efforts to establish a physical Centre for Chemico- and Biomedical Research as a part of the drive to enhance more interdisciplinary collaborations. Through the leadership of Ms J Sewry, the Chemistry Department continues to engage with the community.

**Professor Nelson Torto**
Head of Department
**Books/Chapters/Monographs**


**Publications**


Research Papers Presented at Academic /Scientific Conferences @Proceedings, Booklets and Attendance


Composite

Chemistry

Torto, N


Tshehuto, Z.R. and Walmsley, R.S. "antibiotic and anti-infection activity of bis(4-phenyl-1,2,4-triazolyl) oxovanadium(IV) complexes". International Conference on Biological Inorganic Chemistry. University of British Colombia, Vancouver, Canada. August 2011.


Rhodes Research Report 2011

Lithewski,C

Masilela,N

Rapulenyane,N

Tombi,S

Tshentu,ZR
Tshentu,ZR. Facilitator. “ASSAF-NRF/DST”. Young Scientists Mentoring Workshop, Inviby Im-Express Sumpark. Pretoria, South Africa. 28 September 2011.

Waltine,G


International Visit
Antunes,E
Antunes,E. University of Western Ontario, Ontario, Canada. Conference. 31 May - 5 June 2011.

D’Souza,S
D’Souza,S. Tohoku University, Sendai, Japan. Research Collaboration - exchange student. 1 September - 30 November 2011.

Khoza,P

Lithewski,C


Malinga,N
Malinga,N. Organic Intermediates Dyes Institute, Moscow, Russia. Research Collaboration - exchange student. 3 - 30 July 2011.

Mithiethwa,T
Mithiethwa,T. Fudan University, Shanghai, China. Research Collaboration - exchange student. 16 May - 30 July 2011.

Nykong,T


Nyokong,T. and Coates,M
Nyokong,T. and Coates,M. Tohoku University, Sendai, Japan. Research Collaboration. Also attended conference in Nagoya. 11 - 20 September 2011.

Rapulenyane,N and Tombi,S


Sekhosana,KE

Tshentu,ZR
Tshentu,ZR. Emory University, Atlanta, USA. Research collaboration (gold anti-retroviral). 1 - 24 September 2011. Tshentu,ZR. Mokpo National University, Mokpo, South Korea. Research collaboration (UV polymer grafting). 4 - 28 November 2011.

Zugle,R. and Darlko,G

Distinguished Visitors
Aboi

Bedioui,F

Cun,Y
Dr Y Cun. Fudan University, Shanghai, China. Lecture. August 2011.

Cun,Y
Dr Y Cun. Fudan University, Shanghai, China. Research Collaboration. August - October 2011.

Cubilla,N

Dolotova,O

Furuyama,T
Dr T Furuyama. Tohoku University, Sendai, Japan. Research Collaboration. February 2011.

Furuyama,T

Glover,S

Goolhalls,A

Griveau,S

Izidou,I

Kuzyniak,W

Dr A Ogunsipe, Kwara State University, Kwara State, Nigeria. Research Collaboration. August - September 2011.

Professor G Priniotakis, Technological Education Institute of Piraeus, Piraeus, Greece. Lecture. September 2011.

Professor G Priniotakis, Mr Tserachoglou A and Mr Chronis I, Technological Education Institute Of Piraeus, Athens, Greece. Research Collaboration. September 2011.

Professor G Priniotakis, Mr Tserachoglou A and Mr Chronis I. Technological Education Institute Of Piraeus, Athens, Greece. Research Collaboration. March 2011.


Professor M Turner, Manchester University, Manchester, United Kingdom. Lecture. January 2011.

Dr P Westbrook, University Of Ghent, Gent, Belgium. Research Collaboration. March 2011.


The Department of Computer Science has hosted a Telkom Centre of Excellence in Distributed Multimedia since 1997. The Centre is part of a network of 16 Centres active in ICT nationwide. Funding for the Centre comes from the Telecommunication Industry (Telkom, which is the anchor partner, Tellabs, GENBAND, Easttel, and Bright Ideas 39) as well as through a programme of the Department of Trade and Industry - the THRIP programme administered by the National Research Foundation (NRF). The Government intervention is specifically designed to foster collaboration between Academia and Industry, realizing what is known as triple helix, a fundamental mechanism underpinning innovation and growth in advanced societies.

In 2011, the activities of the Centre were carried out by six research groups. They are listed below, together with information on what each of them contributed during the year under review.

Besides the Centre, research in the department benefits from a very rich network of collaborations, at institutional, national and international level. Collaborators are researchers active in academia, industry, and government. Some work in Computer Science or related areas, and some in the social sciences within multidisciplinary and interdisciplinary engagements.

Convergence
(Professor Alfredo Terzoli & Dr Mosiuoa Tsietsi)
This group is the flagship of the Centre of Excellence, unifying the work done by the other groups into a single artefact of interest to industry partners and THRIP. It is engaged in the building of a decentralised media services platform for converged Telecommunication and Internet services. Utilising mature and flexible open source components, several features were added to the platform in 2011, including: online and offline billing of voice and text communications, location features for building geographically-aware applications and a service broker for incorporating operator-specific and user-defined policies for telecommunication services. The runner-up award under the category of Best Conference Paper was also awarded at the ITU Kaleidoscope conference in December to one of the postdoctoral researchers in the Computer Science department, Dr Mosiuoa Tsietsi.

Security and Networks
(Dr Barry Irwin)
Key areas of study by this group are the analysis of Internet network traffic for the identification and remediation of malware, and the automated identification of botnet command and control (C2) systems. Research on the applications and an analysis of Internet Background Radiation (IBR) are ongoing, incorporating aspects of data visualization and network traffic classification and monitoring. The latter is assisted by the completion of work on the use of commodity graphics cards to accelerate security centric tasks.

Mobility
(Dr Hannah Thinyane)
This group concentrates on the device and user side of mobility. (The Convergence group concentrates more on the infrastructure side.) In 2011, the group has been involved in a number of research projects. The main project was perhaps MobiSAM, a Ford Foundation funded multidisciplinary research project investigating the use of mobile phones for social accountability monitoring at local government level. In 2011, the project focused on liaising with, and building relationships between role players such as Makana Municipality, and Grocott’s Mail. As well as this, a number of reviews were performed: use of mobile phones in government processes; local government legislature on public participation; and a five year review of service delivery in Makana Municipality.
Distributed Audio Engineering  
(Professor Richard Foss) 

The Audio Networks group continued its involvement in the conceptualization and implementation of an audio connection management and control protocol together with the German company, UMAN. This protocol is aimed at allowing for comprehensive control over the routing of audio within large sound installations such as stadiums, studios, convention centres, law courts, and live concerts. In 2011, the project moved its implementation focus to the newly developed Ethernet AVB networking technology. The group established a working relationship with the UK based company XMOS, who manufacture an Ethernet AVB development platform. This development platform has opened the way to a number of interesting postgraduate projects.

Parallel and Distributed Computing  
(Dr Karen Bradshaw & Professor George Wells) 

This group activity is at the core of current Computer Science developments. In 2011, special attention was paid to mechanisms for improving the efficiency of multiprocessor Java applications on modern multicore processors and grid computing. Research also advanced on moving sequential algorithms onto GPUs and some good results have been obtained thus far. Dr Bradshaw further grew a line of research in robotics, to great interest from the students.

ICT4D  
(Professor Alfredo Terzoli and Dr Hannah Thinyane) 

This group focuses on finding ways to take meaningful and sustainable ICT to marginalized areas of South Africa. The activity has received strong support from bilateral programmes between South Africa and Finland, code-named COFISA and SAFIPA. 2011 was the second year of operations of Reed House Systems (www.reedhousesystems.co.za), a nascent ICT solution provider in the space of ICT4D, which is trying to make research relevant in the real world.

Professor Richard Foss  
Head of Department
Books/Chapters/Monographs

Siebinger,J and Thinyane,HE


Publications Research journals in Abstract and/or Full Paper

Bradshaw,KL

Fouliaux,P and Foss,RJ

Thinyane,HE

Other Publications

Moyo,T and Bangay,S

Terzoli,A

Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and Attendance)

Luy,LM and Bradshaw,KL

Blaswa,P

Buja,S

Connnaj

Ghausiagham and Connaj

LUP, Ghausiagham and Connaj

Connoj

Dibley and Foss RJ

du Bryn,j

du Bryn,j

Ealen,A and Foss RJ

Egan,S and Irwin,BW

Egan,S and Irwin,BW

Foss,RJ and Chigwamba,N

Foudjı Tasse,G and Bradshaw,KL

Gumbo,S

Gumbo,S

Gumbo,S

Gumbo,S

Haila,ML

Hansen,S and Thinyane,HE
Hansen, S., Robinson, T., Wilson, L. Thinyane, HE and Gumbo, S. “Identifying Stakeholder Perspectives in a Large Collaborative


Concerts, Exhibitions, Performances, Workshops, Events

Foss, R J
-- presenter: "De-Mystifying Sound Control Protocols with a focus on XFN" - De-Mystifying Sound Control Protocols with a focus on XFN. J. eutro Convention Center, New York, USA, 26 October 2011.


Tshuma, S, Ntshingila, L, Gumbe, S, Thinyane, H E, Terzoli, A and Werten, R

Cultural Visit

Cobbe, L D
-- Mr D Cobbe, Sensepost Labs, Pretoria, South Africa. Lectures. April 2011.

Ridout, D
-- Professor D Ridout, Dalhousie University, Halifax, Canada. Lectures, collaboration. February - March 2011.
The research outputs for the Drama Department in 2011 are reflective of the wide range of theatre and performance research activities of the staff and senior student body. These research activities display an extensive variety of modalities of research outputs in the form of performances, workshops, as well as more formally recognised academic outputs of journal publications, conference papers delivered and books published by the staff. At the graduation ceremonies in April of 2011, Research and Teaching excellence were recognised by the University in the form of two awards to staff members: Dr Anton Krueger won the Vice Chancellor’s Book Award for 2010, and Ms Juanita Praeg was awarded the Vice Chancellor’s Distinguished Teaching award. While maintaining a gruelling teaching programme, the staff of the Drama Department, with the leadership of a newly appointed Head of Department, Professor Andrew Buckland, has again produced a significant quantity of research outputs and these are of nationally recognised quality. A significant body of the outputs are produced by the two Associated Projects of the Drama Department, The First Physical Theatre Company and Ubom! Eastern Cape Drama Company. These two projects, now in their nineteenth and tenth year of sustained existence respectively form central mechanisms of the department’s core activities of teaching, learning, research and community engagement. We are still the only Drama Department in the country to host two full time professional theatre companies.

Postgraduates/Graduations

Of particular note this year was the significant increase in the amount of research outputs from senior students. Masters students produced one published article in the SATJ and a total of ten academic papers were presented at conferences. Performances presented by staff and post graduate students totaled twenty. Visiting lecturer Ms Valha was instrumental in involving the department in a number of interdisciplinary events which interacted with other departments and divisions at the university including the Fine Art Department and the Sports Division.

The National Arts Festival was marked this year in that it was the first year in which the Drama Department structured the Masters Performance practical exams into the festival Fringe Programme in a series called InTranceIt. This programme of three masters choreographers and contemporary performance Masters candidates was awarded a Standard Bank Ovation Award and an Encore Award for innovation.

Significant Research Aligned Events

Professor Buckland’s professional theatre performances were limited by his HoD duties, but he initiated and performed in the first ever collaboration between the department’s two associated projects and resident companies and the result was a production presented on the Arena platform of the National Arts Festival. Directed by Ubom! resident director and alumni Brink Scholtz and featuring a collaboration with visiting lecturer and choreographer Athina Valha, Wreckage was the result of extensive and detailed research into the history of ship wrecks on the Eastern Cape coast. The production was received with much excitement and some extraordinary responses including; “one of the finest, most revolutionary pieces of collaborative art to ever be presented at this South African National Arts Festival” (Mike Van Graan, Artsblog).

Dr Krueger published two new books: one of poetry, Everyday Anomalies; and one of short stories, Shaggy.

The First Physical Theatre Company created seven new physical theatre and dance works which were performed in venues around the country including Ekspeditions, a collaboration with lecturer Heike Gehring which was performed at the Goethe on Main Gallery in Johannesburg and was commissioned by the Goethe Institute, and Ways of Exposure; Rush which was performed at the Out the
Box Festival in Cape Town and choreographed by Drama Department alumni Nicola Elliott.

Ubom! Eastern Cape Drama Company presented twelve major new works to a range of audiences from young children to school goers to festival public. In total their performances and workshops reached an audience of over twenty six thousand people. Productions included The Land of the Cranes, a play for young audiences, Hush an HIV/AIDS intervention performed for Rhodes students, staff and at a festival in Zambia, Wreckage a cutting edge new drama, Door a collaboration with the Baba Yaga Theatre Company from Cape Town and featuring the direction of renowned Danish theatre maker Jori Snell, which won a Standard Bank Ovation Award at the NAF. Ubom! produced a total of six new works for the 2011 National Arts Festival. Muti Inc was remounted for the Sci fest and two versions of Romeo and Juliet were developed and presented for regional schools festivals and local grahamstown schools. The company’s output ended the year traditionally with the Grahamstown Christmas show Carol’s Christmas performed at local schools, old age homes, and the Rhodes University Children’s Party.

The company provided workshops in theatre skills to five Schools’ Festivals around the country reaching three thousand pupils as well as individual school interactions throughout the Eastern Cape. Ubom! runs a very successful and long running theatre project with the correctional services in Grahamstown as well as the Makana Drama Development Festival.

Distinguished Visitors

Distinguished visitors to the department included Professor Mark Fleishman from UCT, Jamie McClaren, from Clowns Without Borders, Lindi Matshikiza, prominent young actor and theatre maker, Kathryn Ferrugia dance academic from the UK, and Pieter Dirk Uys.

Professor Andrew Buckland

Head of Department
Books/Chapters/Monographs

Krueger,AR


Drama

Publications Research Journals in Abstract and/or Full Paper


Krueger,AR


Sutherland,AE


Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)

Gehring,H


Joseph, N

Joseph, N. "The____tha isn't (?): an investigation into absence as a contributing factor, to the presentation and/or (implementation of the real, in performing bodies.," Confluences 6. UCT School of Dance. Cape Town. South Africa. July 2011.

Krueger,G


Krueger,G


Krueger,AR


Krueger,AR


Krueger,AR


Krueger,AR


Parker,AC


Praag,


Smith,S


Smith,S


Smith,S


Smith,S


Sutherland,AE

Sutherland,AE and Buckland,AF


Vahla,A


Vahla,A


Concerts, Exhibitions, Performances, Workshops, Events

Buckland,AF


Buckland,AF

Buckland,AF. M


Buckland,AF


Gehring,H and Parker,AC


Krueger,AR


Parker,A


Parker,A


Parker,AC

Parker,AC and Krueger,G


Smit, S. Creation and Performance. “How a dead dog explains Soccer to Sonja Smit”. Out the Box. UCT. Cape Town, South Africa. 3 - 6 September 2011.


**Distinguished Visitors**


The Department of Economics has continued to deliver a very significant research output, counting four books, eight publications in accredited and subsidized peer-reviewed journals, ten other publications and twelve conference papers in 2011. These fell in the main areas of expertise present in the department: Financial Economics & Markets, Agricultural & Environmental Economics, International Trade Policy and Cultural Economics.

**Significant Research Aligned Events**

A very healthy research ethos was maintained, resulting in not only the peer reviewed academic publications, but other scholarly outputs, including international training papers in banking and finance for the United Nations Institute for Training and Research (by Professor Pierre Faure, who holds the externally funded Foord Chair in Investments), Professor Gavin Keeton’s column in Business Day and Ms Niki Cattaneo’s papers for the South African Institute for International Affairs.

Research has also remained firmly linked to the department’s postgraduate programme, with several papers being joint authorships of staff and students.

The African Review of Economics and Finance journal is now published by Rhodes University, since its Editor-in-Chief, Professor Paul Alagidede, joined the Economics Department in 2011.

The new research focus area in Environmental and Natural Resource Economics, funded by Rhodes, was initiated by Professors Gavin Fraser and Jen Snowball.

**Professor Hugo Nel**

Head of Department
Kinghorn, J. and Snowball, J. 

Roberts, T. J. 

Snowball, J. D. 

Stuart, R. A. and Gumede, N. B. 

Stuart, R. A. and Mokoena, M. S. 

White, G. E. and Keeton, G. R. 
This year saw the strengthening of the Education Department’s research in the area of mathematics education, led by the two Chairs in mathematics and numeracy education. In line with the mandate of these Chairs to carry out both research and professional development, the Departmental outputs in mathematics (and numeracy) education have ranged from peer reviewed journals, through conference presentations to teacher workshops and reports on teacher professional development initiatives. This is not the only high profile specialist area in the Department.

The Chair in Environmental Education has continued to develop its strong trajectory of research in environmental education and education for sustainable development, publishing a journal article and presenting addresses and keynote talks at a number of international conferences. A number of outputs were also produced in the focus area of ICT in education, as well as in research methodology, science, literacy, language and HIV/AIDS in education.

**Postgraduates**

In keeping with our commitment to the development of research capacity in South and Southern Africa, we celebrated the graduation of a number of students at the graduation ceremony in April 2011. These included two PhD students (Elna Barnard and Nthalivi Silo), twenty six Masters students, and sixty three Honours students.

**Distinguished Visitors / International Events**

The Department was visited by Professor H Linneweber-Lammerskitten from the University of Applied Sciences Northwestern Switzerland (FHNW). Professor M. Schaller, the FRF Chair in Mathematics Education, paid two visits to FHNW. Professor L Dalvit visited the University of Padua, Italy.

### Significant Research Aligned Events

- In September, the Education Department hosted the 11th International Conference of The Mathematics Education into the 21st Century Project.
- A European Union funded project for research and policy support in Foundation Phase education was established and initiated its research and postgraduate development programme in 2011.

**Dr Bruce Brown**

Head of Department
Rhodes Research Report 2011

Books/Chapters/Monographs

Dalvit,L.


Stevens,AW

Publications Research Journals in Abstract and/or Full Paper

Baxen,J

Grant,C

Graven,MH

Graven,MH

Graven,MH and Stott,DA

Jostie,ZC

Lotz-Sisitka,H

Samson,DA

Samson,DA

Samson,DA

Samson,DA

Sisitka,H

Schafer,M

Schafer,M and Samson,DA

Other Publications

Dalvit,L.

Mukasaha,M

Samson,DA

Research Papers Presented at Academic
(Scientific Conferences (Proceedings, Booklets and Attendance)

Abdo,H and Schafer,M

Brown,BJ L

Brown,BJ L

Dalvit,L.


Dalvit,L. and Murray,S


Schafer, M


Schafer, M and Samson, DA


Stephanus, GH and Schafer, M


Togo, M


Vandeleur, S and Schafer, M


Concerts, Exhibitions, Performances, Workshops, Events

Dalvit, L


Jooste, ZC


Schafer, M


International Visit

Dalvit, L


Schafer, M

Schafer, M. Pädagogischen Hochschule, University of Applied Sciences Northwestern Switzerland (FHNW), Basel, Switzerland. Invited teaching on Masters course. 15 February - 5 March 2011.

Schafer, M. Pädagogischen Hochschule, University of Applied Sciences Northwestern Switzerland (FHNW), Basel, Switzerland. Invited teaching on Masters course. 21 September - 5 October 2011.

Linneweber-Lammerskitten, H

In the 2011 report period, the Department of English produced thirteen journal articles, seven book chapters, a monograph, and fourteen conference papers. The focus has largely, though not exclusively, been on South African literary texts, including well-known figures such as Dhlomo, Coetzee, La Guma, Vladislavic, Wicomb and Lessing, but also lesser-known figures such as Mariss Everitt.

Late-nineteenth and early-twentieth century South African literature has emerged as an area of interest, as has South African crime fiction. An ecological concern remains active. There is also research on African literature and on transnational literature, on post-apartheid Shakespeare and on contemporary performance poetry, on operatic music and on ethnomusicology, on the poetics of corporeality, the politics of sympathy, and the subversions of queerness.

In short, a diversity of interests and perspectives is evident in research produced by the department while, at the same time, there is a strong focus on the study of literature in the South African context.

Postgraduates / Graduations
Several journal articles, book chapters and a significant number of conference papers were produced by postgraduate students. Three Doctoral students (Bridget Grogan, Elzette Steenkamp, Damazio Mfune) and four Masters students (Deva Lee, Chris Davies, Ella Johnson, Jenna Collett) successfully completed their theses. Eighteen Honours students graduated.

Distinguished Visitors / International Visits
Distinguished academic visitors who delivered papers in the department include Rita Barnard (University of Pennsylvania), David Attwell (University of York), Andre van der Vlies (University of London), Stefan Helgesson (Stockholm University) and Shane Graham (Utah State University).

Distinguished writers who read from and discussed their work include Ivan Vladislavic and Denis Hirson.

Professor Dirk Klopper
Head of Department


Njovane, T. "Trauma and Fragmented Memory in Uwem Akpah's 'Fattening for Gabon'". Es'kia Mphahlele Postgraduate Colloquium & Arts Forum, Wits, Johannesburg, South Africa. September 2011.


Postgraduates
A significant feature of the publication of 5 peer-reviewed articles is that 3 were co-authored works written by third year and post-graduate students and their supervisors. This attests both to the preparation of students in the Department and the quality of the work supervised within it. A further 5 student-supervisor works are either in press or under consideration at the time of writing and 4 works by staff are also in press.

Post-graduate numbers were healthy this year, with 8 Honours students, 4 Master’s students and 3 PhD students registered with the Department. Two students submitted their theses for examination: Mr Ian Siebörger, whose Master’s thesis is titled Literacy, Orality and Recontextualization in the Parliament of the Republic of South Africa and Ms Zena Kasaya, whose PhD thesis is titled Externally Motivated Language Change: Lexical Borrowing in Luwanga.

Significant Research Aligned Events
• Central to the Department’s activities this year was the hugely successful combined LSSA/SAALA/SAALT/PIP joint conference - “Interactions and Interfaces” - that it hosted in Grahamstown in June, convened by Dr Hunt, and opened by the Vice Chancellor, Dr Badat. In addition to fulfilling multiple other roles, three members of the Department delivered papers, Professor Simango and Dr de Vos co-organised and contributed to a workshop on African Languages and Syntactic Theory, Professor Simango co-led a panel discussion on South African informal urban varieties and Dr Hunt ran a workshop on Corpus Linguistics and CDA.
• In early January, Mr Siebörger and Professor Adendorff presented a joint paper at the International Mobility Language Literacy conference in Cape Town.
• Professor Simango read a paper at the fourth International Conference on Bantu Languages at Humboldt University in Berlin, Germany. Dr de Vos read a paper at the SANORD third International Conference on Research Capacity Development, and Dr Hunt presented a paper at a Corpus Linguistics Conference in Birmingham, U.K.
• Following the enthusiastic reception of her doctoral thesis, The Discoursal Construction of Female Physical Identity in Selected Works in Children’s Fiction, Dr Hunt was invited to give a seminar presentation and run a workshop on her work at the University of the Western Cape. In addition, she attended a week-long course on Corpus Linguistics at Aston University in Birmingham, United Kingdom.
• Among other reviewing done in the Department, Professor Adendorff reviewed 72 Abstracts as well as a short-listed manuscript for a special edition of the TESOL Quarterly.
• Professor Adendorff continues to serve on the Board of the Dictionary of South African English as well as on the national (PANSAB-affiliated) English Language Board. He and Professor Simango are members of the Academy of Science of South Africa; Dr de Vos and Professor Simango serve on the executive board of the Linguistic Society of Southern Africa and Professor Simango is on the editorial board of Southern African Linguistics and Applied Language Studies and The Open Applied Linguistics Journal.

Professor Ralph Adendorff
Head of Department
Corpus Linguistics to analyse the discoursal representation of female physicality in children’s literature”.


“Why Hermione is not the hero: using corpus methods Hunt,S

2011. “When English meets isiXhosa in the clause: de Vos,MA


O’Grady,C


Siebörger,J


Simango,SR


Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and Attendance)

de Vos,MA


Siebörger,J and Adendorff,RD


Simango,SR


Van der Merwe,K


Concerts, Exhibitions, Performances, Workshops, Events

de Vos,MA


Hunt,S, de Vos,M, Van der Merwe,K, Siebörger,J, Simango,S, Feizollahi,Z and Adendorff,R.

The Department of Environmental Science had a record year in terms of research, which spanned 19 peer-reviewed journal articles, two books, twelve book chapters, four popular articles and twenty four conference presentations. This is exceptional for a staff complement of four academics.

Particularly pleasing is that approximately 50% of the journal papers and conference presentations were led by or included postgraduates, presenting a clear indication of the high quality of postgraduate work in the department. The contributing authors across the different papers and book contributions came from 16 different countries, representing the wide international network that researchers in the department enjoy, also mirrored in conferences presentations in nine different countries.

Nationally, there was sharing of publications with colleagues at five other South African universities, along with the Council for Scientific and Industrial Research (CSIR) and the South African Biodiversity Institute. This was the first year in the short history of the department that we enjoyed the contributions of a full-time Post-Doctoral fellow, Dr Georgina Cundill, something we hope will become a more or less permanent feature in future years.

Postgraduates/Graduations
At the graduation ceremony in April 2011, we celebrated the graduation of one PhD student (Rob Jones), four Masters students (Joclyn Fearon, Brett Hagen, Kagiso Mangwale and Alice McClure), and thirteen Honours students.

Distinguished Visitors / International Visitors
Distinguished visitors and guest lecturers included Dr Davison Gumbo (Zambia), Prof Paul Hebinck (Netherlands), Professor Marty Luckett (Canada), Professor Maano Ramutsindela (South Africa), Dr Romina Rodela (Italy), and Professor Bent Swallow (Canada).

Significant Research Aligned Events
- A large contingent of staff and postgraduates attended and presented papers at the international COP 17 Climate Change talks in Durban in December.
- James Gambiza was appointed as a member to serve on the National Co-ordinating Body (NCB) to oversee the implementation of the National Action Programme (NAP) for the United Nations Convention to Combat Desertification (UNCCD) in South Africa. He was also appointed as a member to serve on the committee on Science and Technology under the NCB for the UNCCD in South Africa to oversee the scientific implementation of the NAP.
- Sheona Shackleton was invited to speak on climate change adaptation at four different international fora during the year (Canada, Tanzania and the COP 17 in Durban).
- Charlie Shackleton received a B2 and Fred Ellery a C2 rating from the National Research Foundation.

Professor Charlie Shackleton
Head of Department

Environmental Science. Monument, Grahamstown, South Africa.

Shackleton, CM and Alexander, J. “Can artificial bird perches aid in thicket and Adaptation to Climate Change in Small Developing States” November 2011.


Shackleton, SE “Why don’t people always respond to perceived climate change? Thinking about the limits and barriers to Climate change adaptation in coastal areas and small island states”. 1st International Symposium on Impacts, Vulnerability and Adaptation to Climate Change in Small Developing States: implications for poverty reduction. Not known, Stone Town, Zanzibar. December 2011.
Shackleton, S.E. “Improving our understanding of dry forests, climate change, vulnerability and adaptation in Africa”. Dry forests symposium: Defining a research agenda for Africa’s dry forests. COP17, Durban, South Africa. December 2011.


The Fine Art Department has experienced a consistent and productive year in terms of research. A full range of research has been undertaken resulting in both academic and creative outputs.

Staff had scholarly chapters published in five books. Nine journal articles and seven non-accredited and other submissions including exhibition catalogues were also published. Active conference participation totalled seventeen with staff members traversing the globe to present a range of academic research papers.

**Significant Research Aligned Events**

Practice as research outputs were notable with participation in twenty exhibitions. Mr Brent Meistre was selected for the prestigious Bamako Biennial of African Photography in Mali where he exhibited The Stranger who licked salt back into our eyes. Ms Maureen de Jager was an award finalist in the Nelson Mandela Metropolitan Art Museum Biennial Exhibition and exhibited Winburg 1901. Internationally, Ms Tanya Poole exhibited Last One Standing at the Bettendorfsche Galerie im Schlossgarten, Liemen, Germany.

Further 2011 research highlights were the Fine Art Department initiating and hosting a successful national colloquium on the theme Synthetic Dirt, with the academic papers published in Art South Africa. Professor Ruth Simbao, leader of the Fine Art Research Focus Area, initiated the Arts Lounge - a vibrant National Arts Festival platform for inter-disciplinary discourse.

**Postgraduates**

The department’s Masters in Fine Art (MFA) postgraduate students exhibited a collective show, Wet Paint! at the National Arts Festival.
Books/Chapters/Monographs


Publications Research Journals in Abstract and/or Full Paper

De Jager,M. 2011. “Remains to be said... The ‘um’ in art and other discourses”. Image and Text. 117:44-43.


Other Publications


Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and Attendance)


Rhodes Research Report 2011

Thorburn,D
Thorburn,D. "Deify Hands or Hands OFF - The Print Matrix in a Mediated Milieu". Synthetic Dirt. Rhodes University, Grahamstown, South Africa. April 2011.
Western,NA

Concerts, Exhibitions, Performances, Workshops, Events

Conradie,A
De Jager,MS
Dlala
Malhube,NM
Meistre,BA
Poole,T. Exhibiting Artist. "Last One Standing". Multiple poole. Fotilländische Galerie im Schlossquartier. Lieben, Germany. 27 March - 22 May 2011. Simbao,RH
Simbao,RH. Organiser. "The Arts Lounge at the National Arts Festival". Multiple performances, screenings and discussions by different artists. The Arts Lounge (Rhodes University). Grahamstown, South Africa. 10 - 17 March 2011.
Western,NA
All staff in the Department have continued with their collaborative ventures both locally and with international colleagues from Sweden, the United Kingdom and Canada. This has led to co-authorship of most of the research outputs from the Department in 2011: three book chapters and 13 journal articles.

Postgraduates / Graduations
Our postgraduate students have been particularly active at conferences. Catchment Research Group Masters students K. Bobbins and D. Smedley both presented at the South African Young Water Professionals Conference. B. van der Waal and R. Joubert were selected as Outstanding Young Geomorphologists by the International Association of Geomorphologists and presented research papers in Addis Ababa. Their colleague, P. Mzobe, also presented a research paper in Australia. She has since been an awarded an Erasmus Mundus grant to spend four months taking an advanced spatial training program at Jagiellonian University, Krakow, Poland.

Masters students P. Irvine and B. Melly gave presentations in Denmark and Germany. The Department was delighted to hear that Melly’s MSc thesis The Zoogeography of the Cetaceans in Algoa Bay was awarded the Society of South African Geographers’ Bronze medal for the best Geography thesis for 2011. This is the third time that Rhodes University has won the award and this is an acknowledgement of the first class supervision provided by her supervisor Ms G.K. McGregor. Masters student C. Hansen spent the summer of 2011 returning to her field sites in the Antarctic where she is researching cold weathering processes.

Significant Research Aligned Events
The academic staff were also busy presenting research papers at conferences in North America, South America and Europe. Professor Meiklejohn gave a paper at the annual Association of American Geographers’ Conference in Seattle following a planning visit to the University of North British Columbia. UNBC students and staff will be taking a field course with Professor Meiklejohn in the Eastern Cape in 2012. Professors Rowntree and Fox both gave papers at the International Geographical Union 2011 Regional Congress held in Santiago, Chile. A highlight of the conference was the five day field excursion to the Copiapo Valley in the Atacama.

Closer to home, Dr Kirshner has opened up a new research focus examining urban and regional planning challenges in Mozambique. Some of the preliminary findings from this programme, and his earlier work on Johannesburg and Santa Cruz, Bolivia, have been presented in workshops and seminars in Maputo, Grahamstown and at the University of the Witwatersrand. A number of journal articles and a book chapter have come from this research.

Professor Roddy Fox
Head of Department
Books/Chapters/Monographs

Kishner, J. D

Meiklejohn, KI

Publications Research Journals in Abstract and/or Full Paper

Denison, J

Foster, JDL


Kishner, J. D

McGregor, G

Meiklejohn, KI


Other Publications

Rowntree, K

Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and International attendance)

Bobbins, K L

Denison, J. A.

Foster, I. D. L.

Fox, R. C.

Fox, R. C. and Fox, R. C. “Walk the talk for co-creation and publication”. 3rd SANORD International Conference. University of the Western Cape, Johannesburg, South Africa. November 2011.

Irvine, P.

Meiklejohn, KI

Irvine, P.

Rowntree, K M

Rowntree, K M and van der Waal, B W

Rowntree, K M, Bobbins, K L. and Smith-Adao, L. S.


Smedley, D. A.

Meiklejohn, KI

Mzobe, P.

Rowntree, K M

Rowntree, K M and van der Waal, B W

Rowntree, K M, Bobbins, K L. and Smith-Adao, L. S.


Smedley, D. A.
Concerts, Exhibitions, Performances, Workshops, Events

Kirshner, JD

International Visit
Fox, RC
Fox, RC. Karlstad University, Hogskolan Vast, Linköping University and Uppsala Universities, Karlstad, Linköping, Uppsala, Sweden. Linnaeus-Palme Exchange programme planning grant visits. 9 May - 3 June 2011.

Meiklejohn, KI

Professor JC Boelhouwer
Boelhouwer, JC

Professor I Foster
Foster, I

Professor P Assmo
Assmo, P
In 2011, the Department of Geology entered another phase of its ongoing renewal, with the appointment of two new faculty members, Professors Yong Yao (Exploration Geology) and Annette Götz (Sedimentology & Palynology), although both technically began their teaching only in 2012. 2011 also saw the arrival of our new JEOL electron microprobe in November.

Although post-graduate research student numbers remained stable, the department was relatively understaffed in 2011 as we had three faculty members on sabbatical for various half year terms, and two vacant posts for half the year, as well as having suffered the loss of our two productive post-doctoral researchers. Nonetheless, the department maintained (actually improved) its research output with 14 journal publications, in addition to 8 conference presentations (down significantly from 2011, mainly reflecting the cyclicity in conference participation and the low staff numbers), plus hosting 8 distinguished visitors from abroad for research-related interactions, and as a byproduct of sabbatical leave, 14 international visits by Rhodes staff to laboratories and departments abroad.

Significant Research Aligned Events
- In 2011, the Geology staff conducted research which could be partitioned into analytically-based research conducted internationally (Dr Tsikos and Ms Fryer, and Dr S. Prevec, and Mr Howarth), and petrologically-based research conducted locally.
- Dr Costin and Professor Eales published a radical new look at the origins of the world’s largest ore resource, the Bushveld Complex of South Africa.
- Dr Cabral was prolific in his examination of deposition mechanisms of a wide variety of low-temperature ore deposits, and Dr Tsikos continued to be industrious in his examination of Fe and Mn hydrothermal ores from the Northwest Province and other proximal ore deposits through the studies of 4 MSc students, in addition to constructively utilizing his international collaborators.
- Dr Prevec continued to be involved in radiogenic isotopic research on mafic intrusions and their associated ore deposits, with new work in Finland, Canada and China in production in 2011.
- Dr Büttner, who was instrumental in acquiring the new microprobe, expects to be heavily invested in this for his ongoing research.
- Research Associates of Rhodes Geology, particularly Dr Prevec (1 paper and 2 invited conference talks), Dr Scoon (drill core and other research projects) and Mr Mike Skinner, continued to be important contributors to the research culture in the Department, and to maintaining its relevance to industry.

Postgraduates
- Mr Howarth’s PhD on the Panzhihua Intrusion (China) saw the near-completion of the data collection phase.
- Research postgraduates again contributed journal articles (Mr Howarth), and we anticipate a more steady flow of thesis-related research publications in the coming years.

The Department has maintained its high recent levels of postgraduate research activity, and with our new analytical equipment and research projects, as well as new staff, we look forward to research intensifying in the Department of Geology over the next few years.

Dr Stephen Prevec
Head of Department
Concerts, Exhibitions, Performance, Workshops, Events

Marsh, J. S


International Visit

Fryer, L

Fryer, L. Newcastle University, Newcastle upon Tyne, U.K.. Analytical chemical lab work for Fe & Mn speciation in lab of Dr Simon Poulton studies, towards her M.Sc. project. 10 January - 15 February 2011.

Marsh, J. S


Prevec, S

Prevec, S. McMaster University, Hamilton, Canada. TIMS Sm-Nd radioisotopic analytical work conducted in the lab of Dr AP Dickin. 29 September - 6 November 2011. Prevec, S. Laurentian University, Sudbury, Canada. Field work undertaken, research / admin-related visits to several staff members at university. 18 - 21 October 2011. Prevec, S. Wallbridge Mining Inc, Sudbury, Canada. Formal visit to company offices, presentation of research data undertaken, discussions of ongoing / planned research, examination of company drill core and discussion of exploration results. 20 - 21 October 2011.

Tsikos, C


Rhodes Research Report 2011

Tsikos, C. University of Utrecht, Utrecht, The Netherlands. Several visits for collaborative research on Precambrian Earth evolution. 7 February - 12 June 2011.

Distinguished Visitors

Bansah, D


Flowers, R and Stanley, J


Kaukonen, R

Dr R Kaukonen. University of Oulu, Oulu, Finland. Scientific research exchange visit, gave two departmental talks on his research, liaised with department staff re. JEOL probe capabilities. November 2011.

Labandeira, C.C


Williams, A.F

Mr A.F Williams. Randgold Resourcesp, Mali. Research study discussion, provided departmental talk on gold exploration. August 2011.

Zhao, B-J

Professor B-J Zhao. University of Fort Hare, Alice, South Africa. Research project collaboration, discussion of postgraduate training collaboration. November 2011.
For the History Department the highlight of the year was the two-day colloquium held in September to mark the centenary of the department. This brought together almost fifty former and current staff and students - students from every decade since the 1940s, and delegates from as far afield as Australia.

All staff members continued to be active in the research field, producing papers and articles, and working towards the publication of full-length books. In line with the university’s aim to increase postgraduate numbers, the department is pleased that it had ten registered PhD students in 2011 - the highest number it has ever had.

Significant Research Aligned Events

Distinguished Professor Paul Maylam received the Vice-Chancellor’s Distinguished Research Award, and his book, Enlightened Rule: Portraits of Six Exceptional Twentieth Century Premiers, was published by Peter Lang in the UK. Professor Gary Baines was a visiting fellow at the African Studies Centre in Leiden. While in Holland he did further research on the South African ‘Border War’, and gave papers at the University of Ulster and Queen’s University, Belfast.

Three staff members - Paul Maylam, Carla Tsampiras and Vashna Jagarnath - delivered papers at the biennial conference of the Southern African Historical Society at the University of KwaZulu-Natal in Durban.

Postgraduates

Vashna Jagarnath successfully completed her PhD thesis on Gandhi’s writings through the University of KwaZulu-Natal and will graduate in 2012.

Three postgraduate students - Theresa Edtmann, Kylie van Zyl, and Roza Carvalho - also gave papers at the Southern African Historical Society conference. Kylie’s was adjudged to be the best paper by a postgraduate student at the conference.

Simone Kerseboom, another doctoral student, had an article published in a peer reviewed journal. Theresa Edtmann instituted a major multi-disciplinary research programme - the Legacies of Apartheid Wars project - to be funded by Atlantic Philanthropies.

Distinguished Professor Paul Maylam
Head of Department

**Publications Research Journals in Abstract and/or Full Paper**


**Other Publications**


**Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and Attendance)**


**Books/Chapters/Monographs**


**Rhodes Research Report 2011**
In total the department of Human Kinetics and Ergonomics published 26 peer-reviewed journal articles and book chapters as well as 8 conference papers in 2011.

**Significant Research Aligned Events**

- The publications of the Human Kinetics and Ergonomics Department in 2011 were mainly associated with the peer reviewed Book publication ‘Human Factors of Organizational Design and Management’ (2 volumes) edited by members of the department and presented on the occasion of the tenth conference on this topic held in Grahamstown in April 2011. Most recent departmental research in the field of ergonomics was published in this edition of contemporary research in macro-ergonomics.
- Further, three papers were published in prestigious (peer-reviewed) international ergonomics journals, and one invited book chapter on product design, published by CRC press.
- Eight conference papers, mostly on sports science, were published.

**Professor Matthias Goebel**

Head of Department
Books/Chapters/Monographs

Publications Research Journals in Abstract and/or Full Paper

Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)


Town, South Africa. November 2011.

Zschernack, S


Zschernack, S and Göbel, M

Zschernack, S, Göbel, M, Elliott, A and Burford, E.M
Professor Sauer and Professor Britz both gave their inaugural lectures during 2011. This was a good platform to highlight their research over the last few decades to other academics from Rhodes and elsewhere.

**Significant Research Aligned Events**

- **Professor Sauer** contributed towards a book chapter on the use of telemetry in squid research. He visited Mauritius and completed a review of ways and means to revitalize fisheries research capabilities in Mauritius with the aim of improving services to stakeholders and strengthening governance of the sector. He also spent time in Rodrigues, resulting in a manuscript on an assessment of current data for the octopus resource in that region of the western Indian Ocean.

- **Dr Warren Potts** and **Professor Sauer** continued with their research program in Angola. This work is rapidly gaining international recognition and the research team were invited to join a global ocean warming “hotspots” program, and resulted in three manuscripts. The team was also awarded a capital equipment grant from the Ocean Tracking Network to initiate an animal movement project in southern Angola.

- **Dr Potts**’ research on recreational fisheries is expanding rapidly. He served as an expert in an Food and Agriculture Organisation (FAO) expert consultation to develop the FAO technical guidelines for responsible recreational fisheries and was a member of the advisory board for the 6th World Recreational Fisheries Conference that was held in Berlin. He was invited to be an editor on a special recreational fisheries edition of Fisheries Management and Ecology. Dr Potts also received a C2 rating from the National Research Foundation (NRF).

- **Professor Tony Booth** continued with his research on the impacts of alien fishes within the Great Fish and Sundays rivers.

- **Peter Britz** and former PhD student **Serge Raemaekers** research on the extent and impact of the abalone poaching problem produced a review of the South African abalone fishery in the Ocean and Coastal Management Journal with recommendations on options to restore the fishery. Britz led a European Union project to provide support to the Botswana Department of Wildlife and National Parks to draft a fishery management plan for the Okavango Delta.

- **Professor Kaiser** continued to expand the research programme on aquatic animal health through new projects to study fish haematology, and by collaborating with the University of Makerere (Uganda) through student supervision. We established collaboration with the University of Vienna (Austria) by hosting a veterinary student in South Africa to conduct research on abalone health.

- We have initiated discussions with veterinarians from the University of Pretoria (Ondestepoort) around the establishment of courses in fish health for veterinary students.

- **Dr Cliff Jones**, **Professor Britz** and **Mr Martin Davies** continue their work with SAB Ltd and the Water Research Commission (WRC) on the recovery of water and nutrients from industrial effluent for reuse in aquaculture and agriculture, using sustainable technologies such as algal ponding and constructed wetlands.

- **Dr J ones** continues his work on abalone stocking densities with abalone farms based in Hermanus. Professor Britz and Dr J ones also continue their work on abalone diet development, and they have been joined by Dr Tom Shipton in their work on kob nutrition and marine finish diet development. Dr J ones and Professor Kaiser’s program investigating the effect of diet on abalone gonad development and the effect it has on farm production also continues. Dr J ones is collaborating with researchers at Newcastle MSc student, Zyangani Chirambo, holding a spotted grunter (Pomadasys commersonii) at Marina Martinique, Jeffreys Bay.
University of Cape Town is investigating technologies to produce tropical sea cucumbers under intensive culture conditions in South Africa.

Even in these economically challenging times, our close working relationships with stakeholders, and the relevance of the research undertaken, assures that post-graduate students find ready employment in industry, government and academia.

Professor Warwick Sauer
Head of Department
Publications Research | Journals in Abstract and/or Full Paper

Bennett,RH and Childs,AR

Childs,AR

Collett,PD, Kaiser,H and Vine,NG

Kaiser,H and Jones,CLW

Kaiser,H, Collett,PD and Vine,NG

Kaiser,H, Collett,PD and Vine,NG

Kaiser,H, Collett,PD and Vine,NG

Kaiser,H, Collett,PD and Vine,NG

**Other Publications**


Rapid climate driven distributional shifts, complicates coastal fisheries management and alters the evolutionary history of fishes. 6th World Recreational Fisheries Conference. Humbolt University, Berlin, Germany. July 2011.


The Department of Information Systems has a core research focus area in Internet and Society which incorporated research activities related to: Cloud Computing, Mobile HCI, Veterinary Informatics, eLearning, Leadership, eCommerce, Virtual Partnerships, IT in Education, eServices, Social Networking, ICT for Development, IT Governance, and Security. These activities produced one book chapter, one peer-reviewed journal article, 11 conference presentations, and one technical report.

Internationally, there was a presentation of research at the International Conference on Information Management and Evaluation (Toronto, Canada), whilst nationally a number of staff and students presented their research at the South African Institute of Computer Scientists and Information Technologists Conference (Cape Town).

Postgraduates / Graduations
Staff and a total of 41 post-graduate, honours (28), masters (11) and doctoral (2) students engaged in a variety of research projects during the year. At the graduation ceremony in April 2011, we celebrated the graduation of one PhD student, two Masters students, and 28 Honours students.

Distinguished Visitors / International Visits
Ms Brenda Mallinson’s on-going appointment as a Research Associate bolstered the area of eLearning, whilst Professor Malcolm Sainsbury, Visiting Professor, spent valuable time in the Department working and collaborating with staff and students in the area of Information Systems Management. In addition, Professor Sue Conger (University of Dallas) spent a few months in the department at the beginning of the year (April - June 2011) as visiting lecturer where she made a valuable contribution to the teaching and research efforts of the Department.

Significant Research Aligned Events
- In February 2011, the Department, in conjunction with the Department of Computer Science, again hosted a most successful Eastern Cape ICT Research Rumble attended by 95 post-graduate students from Walter Sisulu University, Fort Hare University, Nelson Mandela Metropolitan University and Rhodes University.
- Mr Chris Upfold represented the Information Systems Department’s Commerce Curriculum initiative at the Curriculum Colloquium on 28 November 2011. This was a feedback opportunity for all staff at Rhodes University on initiatives and experiences of staff participating in the Commerce Curriculum project initiated in 2010 and run during 2011.

Finally, the Department was delighted to announce the establishment of a Research and Development Fund with industry partners Singular Systems, Business Systems Group (BSG) and Openbox. The fund will support research efforts and staff development in the Department.

Professor Greg Foster
Head of Department
Books/Chapters/Monographs

Pade-Khene,C

Publications Research Journals in Abstract and/or Full Paper

Pade-Khene,C

Other Publications

Foster,G

Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)

Alistoun,G and Upfold,C

Allcock,S and Benyon,R

Baduza,G and Pade-Khene,C

Rhodes Research Report 2011

Wantz,A and Foster,G

Other Publications

Conger,S

Sainsbury,M
Professor M Sainsbury, OwE, J ohannesburg, South Africa. Lecture. September 2011.
Staff from the School of Journalism and Media Studies produced research outputs across a wide range of platforms in 2011.

Two funded research projects are underway in the School. The project Youth Identity, Media Use and Consumption, and the Public Sphere in South Africa is led by **Professor Jane Duncan**.

**Professor Larry Streitz**, **Professor Lynette Steenveld** and **Ms Priscilla Boshoff** from the School of JMS also participated in the joint project with the University of Cape Town, the Free University of Amsterdam and Media Tenor. The project is funded by the SA-Netherlands Partnership on Alternatives in Development (Sanpad).

**Professor Herman Wasserman** and **Professor Anthea Garman** co-direct a Humanities Research Focus Area project on Media and Citizenship, funded by the Andrew W. Mellon Foundation. Three MA students, a PhD student and a Postdoctoral Fellow form part of the research team.

Alongside formal research published as books, book chapters and journal articles, staff also contributed opinion pieces informed by their research to the news media, exhibited photographic work and organized workshops and conferences. Among these were presentations by Professor Jane Duncan to Parliamentary hearings on print media transformation. Prof Anthea Garman convened the ThinkFest series of public lectures at the National Arts Festival.

**Significant Research Aligned Events**

- **Professor Lorenzo Dalvit** was invited to give a lecture at the Bruno Kessler Foundation in Trento, Italy, and Gill Rennie received a USC Annenberg/Getty Fellowship for Arts Journalism to the University of Southern California, Los Angeles.
- Several staff members contributed to the Rhodes Journalism Review, edited by Professor Anthea Garman.
- Prof Herman Wasserman's book Tabloid Journalism in South Africa: True Story! was awarded the 2011 Vice-Chancellor's Book Award.
- Professor Anthea Garman was awarded the Vice-Chancellor’s Distinguished Teaching Award. Professor Wasserman received a B2 rating from the National Research Foundation (NRF).

**Professor Herman Wasserman**

Deputy Head of School

Television Journalism students working with local learners of the UPSTART youth empowerment programme to create programming on social issues.


Publications Research Journals in Abstract and/or Full Paper


Other Publications


Duncan, J. (2011). “The access to information imperative.” In: The
The Media

September 2011.

"The David and Goliath battle between corporate

2011. "Commercialism, Zille,

and

Wasserman, HJ

and

S. 2011. "It’s time to be offended".

Daly Maverick.

and community newspapers." Sacomm pa conference on


Garman, AC


Garman, AC. “The forgotten role of journalists in journalism research”, International Association of Media and Communication Researchers, Kast Hes University, Istanbul. Turkey July 2011.

Runnymede, RW


Schoon, AJ


Wasserman, HJ


Wasserman, HJ. "Do we have the skills to teach tabloid journalism?" Mainstreaming Tabloids and community newspapers. Johannesburg, Pietermaritzburg, Johannesburg, Pretoria. South Africa. May 2011.


Dugmore, HL


Dugmore, HL. "Practical: Citizen journalism experiments, with a focus on Communities of Practice". Digital Citizen Indaba 6.0. ICC, Cape Town. South Africa. September 2011.

Duncan, J


Duncan, J. "The David and Goliah battle between corporate


Garman, AC


Garman, AC. “The forgotten role of journalists in journalism research”, International Association of Media and Communication Researchers, Kast Hes University, Istanbul. Turkey July 2011.

Runnymede, RW


Schoon, AJ


Wasserman, HJ


Wasserman, HJ. "Do we have the skills to teach tabloid journalism?" Mainstreaming Tabloids and community newspapers. Johannesburg, Pietermaritzburg, Johannesburg, Pretoria. South Africa. May 2011.


Dugmore, HL


Dugmore, HL. "Practical: Citizen journalism experiments, with a focus on Communities of Practice". Digital Citizen Indaba 6.0. ICS, Cape Town. South Africa. September 2011.

Duncan, J


Duncan, J. "The David and Goliah battle between corporate


Concerts, Exhibitions, Performances, Workshops, Events

Amner,RJ


Duncan,J


Greenway,PW


Greenway,PW, Exhibition. “Stage to Paper”. Photographic Exhibition at the National Arts Festival. St Peter’s Hall, Grahamstown, South Africa. 28 June - 8 July 2012.

Greenway,PW, Exhibition. aEC New Signatures 2012 exhibition. Four works selected for exhibition at the EPSAC Community Art Centre. Port Elizabeth, South Africa. 16 April - 26 April 2012.


Hills,P

Kyazze,S

Mathurine,JA


Schoon,AJ


Crossman,AC

Rhodes Research Report 2011

Distinguished Visitors

Dahl,LL

Rennie,G
Law Faculty staff maintained a steady research output in 2011. A total of 17 academic articles on a wide range of legal topics were published in both local and international peer-reviewed journals by staff of the department, and 9 book chapters or contributions to books were published.

Staff travelled widely to attend and present their research findings at national and international conferences, delivering a total of 17 papers in South Africa, India, Lesotho, Kenya, Morocco, Chile and the Netherlands.

Postgraduates / Graduations

Two students completed their LLM degrees in 2011 (one with distinction). Our postgraduate students participated actively in research activities, resulting in the publication of one book chapter, two journal articles, and the presentation of two papers at conferences.

Significant Research Aligned Events

Professor Glover continued his excellent work as managing editor of the South African Law Journal, South Africa’s premier law journal, and Dr Kruger as technical editor of Speculum Juris (a joint publication of the University of Fort Hare and Rhodes University).

Research colloquia and seminars within the Faculty were held on a regular basis throughout the year, and served to promote a research culture in the Faculty.

Distinguished Visitors / International Visits

During the fourth term the Faculty benefitted from the considerable experience and insights of our Visiting Professors, Judge Clive Plasket and Advocate Wim Trengove SC, who presented a number of lectures to law students from first to fifth year over a period of several days.

Besides the international conferences attended by many staff, Ms Ramlall undertook research visits to the Venice School of Human Rights and the Netherlands School of Human Rights.

Professor Jonathan Campbell
Dean of Faculty
null

Juma, L.O. “Judicial independence and impartiality of international institutions”. The Society of Law Teachers of Southern Africa Conference, Faculty of Law, Stellenbosch University, Stellenbosch, South Africa. January 2011.

Juma, L.O. “Traditional institutions and resource management in Lesotho”. Faculty of Law curriculum development seminar, National University of Lesotho, Roma, Lesotho. April 2011.


Ramlall, S. “Developing a pedagogical approach to plagiarism”. Higher Education Learning and Teaching Association of Southern Africa (HETASA), Nelson Mandela Metropolitan University, Port Elizabeth, South Africa. December 2011.


Van Coller, E.H. “Administrative Authority and School Governing Bodies”. The Society of Law Teachers of Southern Africa Conference, Faculty of Law, University of Stellenbosch, South Africa. January 2011.


Concerts, Exhibitions, Performances, Workshops, Events

Di Palma, F. and Khayundi, F. “Teaching law to non-law students”. Teaching law to non-law students, University of Johannesburg, Johannesburg, South Africa. 5 - 6 September 2011.

International Visit


Ramlall, S. Netherlands School of Human Rights Research, Utrecht, Netherlands. Conducted a research visit to the Netherlands School of Human Rights Research, 10 - 16 July 2011.

Law 115
Rhodes Research Report 2011
During 2011, the Department of Management continued to integrate the development of research skills into its teaching, particularly at the fourth-year level where students are exposed to a research methodology module. The Department also offers a structured research component on the Masters programme.

**Postgraduates**
Fifteen Masters students and six PhD students were registered in the Department. Four Masters students completed their degrees in 2011.

**Significant Research Aligned Events**
Staff of the Department published their research work as chapters in books as well as in journals. They also presented their work as abstracts and papers at local and international conferences in countries such as Croatia, China, Estonia, United Kingdom and the Bahamas.

**Professor Lynette Louw** is the recipient of one of the Sandisa Imbewu grants from Rhodes University for an international collaborative project entitled "Chinese organizations in Sub-Saharan Africa: New dynamics, new synergies."

The changing geopolitical dynamics of China’s presence in Africa is significantly impacting at both organizational and community level. With little systematic empirical information based on solidly constructed theory and methodology, there is a need to understand from different perspectives through an international collaboration, the nature of interaction at organizational level (with employees, and with local community). It is proposed that any research at organizational level of Chinese organizations in Africa must be informed by:

- The reason for Chinese corporations being in Africa and the nature of Chinese presence in Africa;
- How the interactions at organizational level are understood;

This international project sets out to develop cross-cultural theory and methodology to study the dynamics at organizational level to investigate the nature of Chinese organizational activity and its implications for Africa’s economic, social and community development.

**Distinguished Visitors / International Visits**
International visits by staff members included: Mr Theus Louw and Professor Lynette Louw who lectured in Shanghai, China; Mr Hans-Peter Bakker at the University of Utrecht, the Netherlands; and Mr Mark Maritz at the University of Applied Sciences, Germany.

International guests hosted included: Professor Dr Claude Mayer from the University of Applied Sciences (HAW) in Hamburg, Germany; Professor Arie Buijs and Dr Peter van der Meer from the Utrecht University in the Netherlands; and Professor Terence Jackson from Middlesex University, United Kingdom.

**Mr Trevor Amos**
Head of Department
Books, Chapters, Monographs

Mayer,C-H

Mayer,C-H

Research Papers Presented at Academic / Scientific Conferences (Proceedings, Booklets and Attendance)

Balkusch,P


Boschj,K

Chipurneuj, and Louw,L

Jackson,T and Louw,L

Louw,L and Tapson,M

Louw,M

Mayer,C-H and Louw,L

Mayer,C-H


Molatla,A and Louw,L

Molotlo,B and Zindiyé,S

Waddington,A and Maritz,M

Zindiyé,S

Concerts, Exhibitions, Performances, Workshops, Events

Louw,L


Rhodes Research Report 2011
International Visits

Bakker, HP
University of Utrecht, Utrecht, The Netherlands.
Course in Entrepreneurial Marketing. 9 - 22 July 2011.

Louw, L
Shanghai Institute for Foreign Trade, Shanghai, China.
Cultural Management. 22 March - 6 April 2011.

Louw, M
Shanghai Institute for Foreign Trade, Shanghai, China.
Strategic Management. 22 March - 6 April 2011.

Maritz, M
Hochschule Osnabrueck - University of Applied Sciences, Osnabrueck, Germany.
Course - Project Management: Theory and Practice. 7 - 11 November 2011.

Distinguished Visitors

Buijs, A

Jackson, T
Professor T Jackson, Middlesex University, London, United Kingdom. International Visiting Professor. February - March 2011.

Mayer, C-H
Professor C-H Mayer, University of Applied Sciences, Hamburg, Hamburg, Germany. Senior Research Associate. July - August 2011.

Van Der Meer, P
Mr P Van Der Meer, Utrecht University, Utrecht, Netherlands.

Rhodes Research Report 2011
The areas of current research interest in the Department are:

- Fuzzy set theory.
- Functional analysis, including measure theory and martingales.
- Geometric control, particularly invariant optimal control problems on matrix Lie groups (of low dimension), primarily in aspects regarding controllability, geometry of extremals, stability, and integrability.
- Computational relativity, and in particular the calculation of gravitational waves from black hole interactions.
- Cosmology: general relativistic models, structure formation, alternative models of gravity.

Members of the Department published four articles in accredited journals, and made five presentations at international conferences, as well as six presentations at South African conferences.

Postgraduates / Graduations

During 2011, the Department supervised five Masters and eleven Doctoral students. During the year, two students (Rory Biggs and Helen Henninger) completed their Masters degrees, in both cases with distinction.

Distinguished Visitors / International Visits

Distinguished visitors included Professor Naresh Dadhich (India). Our academic staff made research visits to Austria, Germany, Romania and Spain.

Significant Research Aligned Events

- The Department hosted the annual Conference of the South African Gravity Society in September.
- Nigel Bishop received a B2 rating from the National Research Foundation.

Professor Nigel Bishop

Head of Department
**Publications Research Journals in Abstract and/or Full Paper**

**Bishop, NT**

**Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)**

**Bishop, NT**
- Bishop, NT. “Initial data transients in binary black hole evolutions”. Advance and challenges in computational general relativity. Brown University, Providence, USA. May 2011.  

**International Visit**

**Bishop, NT**
- Bishop, NT. Erwin Schroedinger Institute, Vienna, Austria. Research. 1 - 12 August 2011.  
- Bishop, NT. Universitat de les Illes Balears, Palma de Mallorca, Spain. Research. 16 - 26 November 2011.  
- Bishop, NT. Max Planck Institute for Gravitational Physics, Berlin, Germany. Research. 26 October - 5 November 2011.  
- Remsing, C.C. and Dragons, H.C. “Controllability of left-invariant control affine systems on the Lorentz group SO(1,2)”. Joint Congress of the SAMS and AMS, NMMU, Port Elizabeth. South Africa. December 2011.

**Distinguished Visitors**

**Dadhich, NK**
- Dadhich, NK. Inter University Centre for Astronomy and Astrophysics, Pune, India. Collaborator. October 2011.
In addition to traditional forms of research, Music Department staff have produced a vast array of original creative outputs. In the main, these artistic endeavours are situated in the field of musical performance with numerous staff receiving invitations to perform within and beyond South Africa’s borders. Significantly many of these invitations were to perform collaboratively with distinguished artists from other South African universities or in the case of Mr Munez to appear internationally. The Department also welcomed a wide selection of international visitors who added to our teaching and learning programme through performing, conducting master classes and delivering lecture demonstrations.

Other forms of creative endeavour produced by Music Department staff were:

- Dr Brukman was invited as a subject specialist to review the undergraduate music curriculum at Nelson Mandela Metropolitan University
- Drs Brukman and Ramanna were invited as external examiners (practical, written work and postgraduate theses) at several universities nationally
- Dr Brukman was invited as adjudicator for the eThekweni Eisteddfod, Durban, KwaZulu-Natal
- Ms Foxcroft was invited by UNISA (Directorate: Music) as examiner for graded practical examinations, Pretoria, Gauteng.

Dr Jeffrey Brukman
Head of Department

The three year Jazz Heritage project is exploring the Eastern Cape’s extraordinary contribution to South Africa’s jazz heritage through digitising and archiving near forgotten local recordings and documents from the 1950s through 1980s.
Publications Research Journals in Abstract and/or Full Paper

Brukman,J.


Other Publications


Ramanna,N


Watkins,LW


Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and Attendance

Brukman,J.


Foxcroft,CJ


Foxcroft,CJ


Heunis,D


Mabila,YR


Mears,GI


Ramanna,N


Ramanna,N.


Matibe,YR


Mears,GI


Watkins,LW


Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and Attendance

Brukman,J.


Foxcroft,CJ


Foxcroft,CJ


Heunis,D


Mabila,YR


Mears,GI


Ramanna,N


Ramanna,N.


Matibe,YR


Mears,GI


Foxcroft,CJ


Foxcroft,CJ. Chamber concert. National Arts Festival Main Event: Grahamstown Piano and Wind sextet, Beethoven Room, Grahamstown, South Africa. 2 July 2011.

Foxcroft,CJ. Chamber concert. International Spring Festival: Performance with the Odeion string quartet (Brahms Piano Quartet Op 25), Beethoven Room, Grahamstown, South Africa. 12 - 16 August 2011.

Mabila,YR


Muruozj,L


Muruozj,L. Faculty Member: Stellenbosch International String Symposium: Enter an Hall, Stellenbosch, South Africa. 22 - 26 March 2011.

Muruozj,L. Concert, Odeion Concert Hall. Stellenbosch, South Africa. 24 March 2011.

Muruozj,L. Coach: Franschhoek Chamber Music Workshop: Franschhoek High School, Franschhoek, South Africa. 3 - 10 April 2011.


Muruozj,L. Concert Master East Cape Philharmonic Orchestra. Red Bull Concert Festival, Port Elizabeth, South Africa. 28 May 2011.


Muruozj,L. Perform, Juan, Mikel & Friends/Music and Poetry.
Beethoven Room, Grahamstown, South Africa. 26 July 2011.
Munoz, J. Perform. J. van, Mariel & Friends/Music and Poetry/NMMU. NNMI Auditorium South Campus; Port Elizabeth, South Africa. 29 July 2011.
Munoz, J. Perform. J. van, Mariel & Friends/Music and Art. St Andrew’s Drill Hall, Grahamstown, South Africa. 8 September 2011.

International Visit

Munoz, J.
Munoz, J. Palais de la Culture Moulia Zakaria, Algiers, Algeria. 3rd Festival Culturel International de Musique Symphonique-Algeria. 8 - 14 December 2011.

Distinguished Visitors

Derome, J-A. Prymg, and Song, W
Hammer, P
Hayden, M
Professor M Hayden. University of Michigan, Michigan, United States of America. Lecture-demonstration and Master Class. 2 March 2011.
Kliphus, T
Mr T. Kliphus. International concert violinist, Amsterdam, Netherlands. Performance with Dr Nishlyn Ramanna and Prof Marc Duby. Improvisation workshop with the Rhodes Symphony Orchestra. 29 March.
Reynolds, D
Rowell, E
Professor E. Rowell. University of Michigan, Michigan, United States of America. Lecture-demonstration and Master Class. 2 March 2011.
Stockton, N
Mr N. Stockton. University of Free State, Bloemfontein, South Africa. Recital Performance with Dr Nishlyn Ramanna and Kingsley Bullendag. 10 November 2011.
Tagg, K
Tung L
Wilkinson, J. Verwey, M, and Marshall, A
Zona, R
International Library of African Music (ILAM)

Activities at the International Library of African Music in 2011 included active participation in Grahamstown’s National Science Festival and the National Arts Festival. The ILAM “For Future Generations” exhibit was opened at the Albany History Museum in conjunction with the SciFest, and daily ‘acoustics of sound’ workshops were conducted by Professor Emeritus Andrew Tracey.

Significant Research Aligned Events
- The National Arts Festival featured ILAM and its ‘For Future Generations’ exhibit with sponsorship from SAPO for free daily lunch hour concerts in the ILAM amphitheatre, walkabouts in the Exhibit at the Albany Museum and a special ‘Sundowner’ concert at the Monument. The ILAM Exhibit moved to the CASTLE, Iziko Museum in Cape Town in November for a four month run.
- ILAM’s Mellon Foundation cataloguing and digitizing project completed processing of the Andrew Tracey and Dave Dargie Collections of field recordings, and made them accessible via ILAM’s on-line search from the ILAM website, www.ru.ac.za/ilam. ILAM published the most extensive issue (Vol.9, n.1 2011) of its journal, AFRICAN MUSIC, since its inception in 1954.

Publications

Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)

Concerts, Exhibitions, Performances, Workshops, Events

Professor Diane Thram
Head of Centre
The Faculty of Pharmacy had a highly productive year in terms of research: 22 peer-reviewed journal articles, 68 conference presentations and 3 articles in professional publications by staff, research associates and students. Staff and students travelled widely and presented their research findings at international and national conferences and workshops in Brazil, Turkey, Italy, United States of America, India, Sweden, Romania, Bulgaria, Egypt, Latvia, Switzerland and United Arab Emirates.

**Significant Research Aligned Events**

- In 2011, Professors Kanfer, Walker, Associate Professor Srinivas and Dr Skinner attended the 15th Annual Conference of the Society of Pharmacognosy, First International Convention held at KLE University in Belgaum, India. This visit also formed part of the MOU signed between Rhodes and KLE in 2010.
- The Faculty of Pharmacy hosted two research students from KLE in 2011.
- Neeran Jooste, a Doctor of Pharmacy candidate, won the best poster presentation award at the South African Association of Hospital and Institutional Pharmacists.
- Professor Jobson was appointed to the Allied Health Professions Council of South Africa.
- The Faculty of Pharmacy in collaboration with the American Association of Pharmaceutical Scientists hosted a highly successful workshop and conference. The conference on Bioequivalence, Biowaivers and Dissolution: Evolution of New Standards and Approaches to Ensure the Quality of Pharmaceutical Products Worldwide was organized by Professor Kanfer and had 11 international speakers.
- Dr Oltmann successfully completed a fellowship with the Foundation for Advancement of International Medical Education and Research (FAIMER).

**Distinguished Visitors / International Visits**

- Professor Walker attended a meeting on Missing Priority Medicines for Children at the WHO Headquarters in Geneva.
- The Faculty of Pharmacy hosted Professor Löbenberg from University of Alberta as a Hugh Kelly Fellow.
- The Faculty hosted Professor Amidon from University of Michigan, Drs Williams and Stippler of the United States Pharmacopoeia, Drs Davett and Sigler of the Center for Drug Evaluation Research at Food and Drug Administration (USA), Dr Kramer of Phast Laboratories, Dr Bon from Bioxstudy Solutions, Professor Ducharme from University of Montreal, Ms Gray from VA Gray Consulting, Professor Verbeek from the Catholique Universitat Louvain, Professor Glass from James Cook University and Professor Löbenberg from University of Alberta.

Professor Rod Walker
Dean of Faculty

Other Publications

Tandelich,R and Zuma,MB


Walker, RB


International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 32nd Annual Congress of the Academy of Pharmaceutical Sciences, Coetshoorn Hotel Umhlanga Rocks, Durban, South Africa. September 2011.

Fakizayi and Beukes, DR


monoterpenes from marine algae”. 7th European Conference on Marine Natural Products. Laxemern Hotel, Stromstad, Sweden, August 2011.


Olfmann, C, Olfmann, C. “Using aspects of Bernstein’s ‘pedagogic device’ to review and re-align the Pharmacy curriculum at Rhodes University”. University of the North West, Potchefstroom, South Africa. June 2011.


Walker,RB

Walker,RB, "Utilizing the Department of Health service platform for the training of pharmacists, nutritionists and radiographers". Conference on optimizing rehabilitation post structures in the public sector to address clinical training and rehabilitation services. Cape Peninsula University of Technology, Cape Town. South Africa. August 2011.


International Visit
Walker,RB
Walker,RB, College of Pharmacy KLE University, Belgaum, India. Visit to discuss MOU with KLE and attend the 15th Annual Conference of the Society of Pharmacogenetics. 12 - 13 January 2012.


Walker,RB, Faculty of Pharmacy Ege University, Izmir, Turkey. Research presentations. 7 - 9 September 2011.

Distinguished Visitors
Amidon,G

Bon,C

Daw,RB

Ducharme,MP

Glass,RB
Professor BD Glass, School of Pharmacy. JAMES.Cook University, Townsville, Australia. Visiting Professor, Curriculum Development and Research Collaboration. November 2011.

Gray,VA

Kramme,R

Lobenberg,R
Professor R Lobenberg. School of Pharmacy, University of Alberta, Edmonton, Canada. Hugh Kelly Fellowship, Research, Collaboration. December - January 2011.

Sigler,A

Stippler,E

Williams,RS
Staff and postgraduate students were active in research, publishing six articles in accredited journals and five in peer-reviewed book collections. They also continued their active engagement with the philosophical community at home and abroad, with a total of 25 conference presentations.

**Significant Research Aligned Events**

- Dr. Samantha Vice received the Vice-Chancellor's Distinguished Research Award.
- Professor Ward Jones and Dr. Samantha Vice published an edited collection, *Ethics at the Cinema*.
- There was an extensive focus by academics and both the national and international media on Dr. Samantha Vice's "How Do I Live in This Strange Place?"
- Professor Pedro Tabensky continued his activity as a public intellectual who brings philosophical reflection to bear on matters of public interest.

Even in these economically challenging times, our close working relationships with stakeholders, and the relevance of the research undertaken, assures that post-graduate students find ready employment in industry, government and academia.

**Distinguished Visitors / International Visits**

The department hosted two American philosophers, Professor Paul Taylor (Penn State) and Professor Paul Voice (Bennington College), for extended visits, during which they both taught postgraduate students and presented research seminars.

Professor Tom Martin  
Head of Department
Philosophy 132

Rhodes Research Report 2011


The following were the main research activities in the Department of Physics and Electronics.

**Experimental Solid State Physics**

Professor M L Chithambo went on a research visit to the University of Washington, Seattle, USA in October 2011 and also to McDaniel College in Westminster, USA in November 2011. Both visits were concerned with joint collaborative research on dynamics of luminescence in quartz.

In March 2011, Dr S Nsengiyumva visited iThemba Labs Gauteng to start work on implantation on quartz samples as part of his research on physical processes of luminescence in quartz. Dr Nsengiyumva is now also part of an international consortium that includes several African scientists working on a project to develop inexpensive and indigenous produced solar cells for use in isolated and impoverished regions of Sub-Saharan Africa where conventional grid power is unavailable.

During July 2011, Dr S Nsengiyumva visited and conducted an experiment at Argonne National Laboratories and Oak Ridge National Laboratories on this project. As part of this partnership, Rhodes University signed a user agreement with Argonne National Laboratory, USA.

**Nuclear Physics**

From January to April 2011, Dr DG Roux was on a research visit to the Department of Physics and Astronomy at Mississippi State University. The purpose of the visit was to complete a paper on the gamma spectroscopy of the nucleus $^{167}$Lu.

During December 2011, Dr DG Roux and his MSc student, Ms Henninger, participated in a nuclear structure experiment (PR189a) at Ithemba LABS in the Western Cape. Ms Henninger submitted her thesis entitled In-beam spectroscopy of $^{72}$Ge.

**General Relativity**

Dr J Medved visited the theory division of CERN in Geneva Switzerland in April 2011 and the Arnold Sommerfeld Center for Theoretical Physics in Munich, Germany in September. In both cases, he worked with his primary collaborator, Professor Ram Brustein of Ben Gurion University in Israel. The two have been working together on projects to describe how the Fundamental property of unitarity (or probability conservation) acts to constrain certain outcomes in the context of the holographic paradigm, a central feature of string theory. The other aim of their work is to understand how gravity can emerge out of thermodynamics, as has often been conjectured but has yet to be rigorously established.

**Radio Astronomy**

Professor Justin Jonas has continued to play a prominent role in the international Square Kilometre Array (SKA) radio telescope, both nationally and internationally. Professor Jonas and his MSc student, Ms Henninger, submitted Africa's bid to host this massive telescope in September 2011. The outcome of the competition with Australia was due to be announced in 2012.

Meanwhile there have been significant developments at the Karoo radio astronomy reserve with the commissioning of the KAT-7 array (a prototype of the eventual MeerKAT array) and deployments of the PAPER experiment (funded by the USA National Science Foundation).

PHD students are completing their projects in research fields that have important relevance to the SKA and MeerKAT projects. The team designing the MeerKAT array, which will be the largest radio telescope in the southern hemisphere, is led by Professor Jonas and a number of the key team members are alumni from the Rhodes University Department of Physics & Electronics.
Space Science

Ionospheric Research at Rhodes University is undertaken at the Space Science Directorate of the South African National Space Agency (SANSA) located in Hermanus. SANSA Space Science was formerly the Hermanus Magnetic Observatory (HMO) under the leadership of the National Research Foundation (NRF).

The major highlight of 2011 was the move of HMO from the NRF to the newly established SANSA on 1 April 2011. SANSA will conduct basic fundamental Space Science research as one of its core areas and the ionospheric work will form part of this.

During 2011, 1 PhD and 1 MSc from the ionospheric research group graduated. A further 3 PhD students and 3 MSc students submitted their theses for examination. One new National Astrophysics and Space Science Programme (NASSP) student joined the group in August 2011.

Dr McKinnell, Dr Habarulema and Dr Katamzi and 3 students from the group attended the International Union of Radio Science (URSI) General Assembly in Istanbul, Turkey in August 2011.

In October 2011, the ionospheric group hosted the IRI workshop at SANSA in Hermanus. Dr McKinnell visited the Goddard Space Flight Center (GSFC) in September 2011.

In December 2011, an update to the group’s bottomside ionospheric model, SABIM (South African Bottomside Ionospheric Model) was produced which included for the first time data collected at the Hermanus ionosonde. This new version of SABIM is currently being incorporated into the direction finding systems of the SANDF.

During 2011, the three older ionosondes located at Grahamstown, Madimbo, and Louisvale were all upgraded to DPS-4D ionosondes, making this a unique set of 4 same model ionosondes within one country. In addition, the ionosonde archiving server was moved from Grahamstown to Hermanus, and upgraded to better facilitate the collection of ionosonde data and the distribution of this data to the Space Weather Centre and International Data Centres.

Professor Makaiko Chitambo
Head of Department
<table>
<thead>
<tr>
<th>Year</th>
<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td>2011</td>
<td>&quot;Statistical characterisation of spread F over South Africa&quot;.</td>
<td>Ababuyo,EB and McKinnell,L-A</td>
</tr>
<tr>
<td>2011</td>
<td>&quot;An attempt to validate HF propagation prediction conditions over Sub-Saharan Africa&quot;.</td>
<td>Annales Geophysicae. 29, 229-236. McKinnell,L-A, Takashima,M, Haberle,M, and Balkanski,Y.</td>
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</tr>
</tbody>
</table>
Political and International Studies had a highly active profile in 2011. Apart from hosting the start of a new research project, colloquium series and winter school on “Thinking Africa” for its postgraduates, it initiated the running of a writing workshop for MA and PhD students from the department and the Faculty of Humanities, held its annual teach-in over a week at the start of third term, ran a series of six documentaries, co-hosted twenty-one weekly seminars, saw the development of a research programme on Critical Sexuality Studies and Reproductive Health, had its members of staff present research and conference papers at twelve conferences, and welcomed twenty-one researchers and academics to teach or give presentations at the department.

2011 saw the arrival of two new staff members, Ms Siphokazi Magadla and Ms Georgina Barrett who both contribute to the International Studies curriculum of the department.

Collectively, five chapters in books, nine articles and twenty-nine other publications were published during the year.

Postgraduates

- Dr David Szanton (formerly UCLA and UKZN) from 25-27 July coordinated a writing workshop for MA and PhD students from the department and the wider faculty.

- “The Thinking Africa” project and its steering committee under the guidance of Professor Leonhard Praeg launched the first in a series of annual colloquia and winter schools for Honours, Masters and PhD students. The project forms an integral part of the department’s post-graduate programme and seeks to unify a number of national, institutional, research and teaching related demands in a coherent post-graduate project that will, among other things, encourage post-graduate students to participate more actively in various research projects. All the projects relate to Africa but each project has its own particular focus and approach. Coordinated by Mr Richard Pithouse, the project and theme for 2011 was “Franz Fanon - Fifty Years Later”. This brought together eminent scholars on Fanon from North America, the African diaspora and Southern Africa at a very well attended colloquium in July 2011.

Distinguished Visitors / International Visits

Visitors, contributors and mentors to the department’s postgraduate students included Rhodes’ own Professor Steven Friedman, Director of the Centre of Democracy Studies (CDS) in Johannesburg, Mr John Rose teaching on the Politics of the Middle East and Dr Elaheh-Rostamypoovey offering a course on Gender in the Islamic World, both Senior Mellon scholars from Britain; Visiting Professor Ken Good, Macquarie University, giving a workshop on Democratisation, and Professor T. Campbell from Charles Stuart University presenting a paper; Drs Paul-Simon Handy (Institute of Security Studies), Issaka Souare (Institute of Security Studies) and Thomas J. dye from the Kofi Anan International Peacekeeping Training Centre in Accra, Ghana teaching on themes related to African Peace and Conflict. Contributing to the winter school on Fanon and Fanonism were Professor Valentin Mudimbe (Duke), Professors Lewis Gordon (Temple), Nigel Gibson (Emerson), Grant Fared (Cornell) and Mabogo More (UKZN).

Significant Research Aligned Events

- Co-hosted with the Department of Sociology, a weekly Critical Seminar series organised by Mr Richard Pithouse was instituted. This led to twenty-one seminar presentations being given during the year.

- Professor Louise Vincent was appointed one of the principal investigators in the Mellon Funded Research focus area on Critical Sexuality Studies and Reproductive Health. In re-thinking the body in cultural,
sociological, psychological, philosophical and political analysis, Vincent’s work questions existing bodies of knowledge which are founded on ways of thinking which deny the significance of the specificity of the corporeal. The project attracted a number of MA students to study under Professor Vincent.

- Professor Vincent, Dr Sally Matthews, Ms Siphokazi Magada, Ms George Barrett, Professor Pries and Professor Paul-Henri Bischoff gave conference papers in Addis Ababa, Johannesberg, Grahamstown, Cape Town, Montreal, The Hague, New Brunswick, Zuerich and Porto.

- The department organised its week long ninth annual Teach-In from 1-5 August with five invited national speakers talking to - Over the Rainbows? The State of LGBTI Rights in South Africa with national commentator and Rhodes graduate Eusebius McKaiser as the discussant for the week.

Professor Paul-Henri Bischoff
Head of Department

The year 2011 marked fifty years since the death of Frantz Fanon. Conferences were held around the world but the Rhodes Conference certainly had the most impressive collection of Fanon scholars. VY Mudimbe, one of the greatest living African scholars, opened the event and it included presentations by three leading Fanon scholars currently writing in English: Nigel Gibson, Lewis Gordon and Ato Sekyi-Otu.

The organisers were also very pleased to be able to secure presentations by Grant Farred, Nontonko Gasa and Pumla Gqola, leading South African scholars with an interest in Frantz Fanon. There were also presentations from three young Fanon scholars - Mandisi Majavu, David Ntseng and Siphiwe Ndlovu. Gill Hart, Mabogo More participated as discussants.

Dr Barney Pityana spoke about Fanon and the black consciousness movement; Mr Ayanda Kota spoke about the significance of Fanon for the Unemployed People’s Movement in Grahamstown and Mr S’bu Zikode spoke about Fanon and Abahlali base Mjondolo.

Rhodes Research Report 2011
Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and Attendance)

Barrett, GH


Bischoff, P


Magadia, S

Maparura, S


Matthews, SJ

Pithouse, RM

Vincent, LD

International Visit
Praeg, L

Distinguished Visitors
Rutshungu, S

Campbell, T
Professor T Campbell. Charles Stuart University, Canberra, Australia. Gave a seminar on “Poverty as a violation of human rights”. May 2011.

Chansa, K

Funda, N
N Funda. NGO, Cape Town, South Africa. Participated and presented a paper at the Politics 9th Annual Teach-In. August 2011.

Gibson, N

Guinness, P

Hardy, PS
Dr PS Hardy. Institute for Security Studies, Pretoria, South Africa. Taught a course for Postgraduate Diploma in International Studies and presented a seminar paper. August 2011.

Huntley, M

Jaye, T

Kou, S

Maizibuko, J

McKaiser, E
Dr E McKaiser. WITS Centre of Ethics, Johannesburg, South Africa. Presented a paper at the Teach-In seminars hosted by the department. August 2011.

Miyowa, T

Mikhizi, N

Mosoeuoa, S

Patali, R

Rose, J

Rostami-Povey, E
Dr E Rostami-Povey. SOAS, University of London, London, United Kingdom. Taught a course in postgraduate level. March - April 2011.

Rostami-Povey, E
Dr E Rostami-Povey. SOAS, University of London, London, United Kingdom. Taught a course for postgraduate Honours and Masters students and presented a seminar paper. March 2011.
Dr I Souare, Institute for Security Studies, Pretoria, South. To teach a course for Postgraduate Diploma in International Studies and presented a seminar paper, July - August 2011.
The Psychology Department was very busy in terms of research activities during 2011. Departmental staff produced 12 published journal articles, 3 books, gave 26 national and international conference presentations, and ran 6 exhibitions/workshops.

The topics of these research outputs were varied, but included the following:
- validation of the CORE-OM using a South African student population sample.
- understanding HIV-related post-traumatic stress disorder in South Africa.
- ‘adolescence’, pregnancy and abortion.
- culture as a discursive resource opposing legal abortion.
- narrative therapy and the ethical subject.
- meaning and masculinities in Xhosa brothering.
- counselling for trauma.
- the central role of imagery methods in effecting psychological change.
- debating the utility of computerised neurocognitive testing in the sports concussion arena.
- repetitive symbolic play as a therapeutic process in child-centred play therapy.
- negotiating subject positions in representations of black lesbians on South African television.
- women professionals with children: the relationship of multiple roles to perceived stress.
- artist as alternative identity: reducing the stigma of mental illness in the community.
- the development and implementation of a mental toughness training programme for young cricketers.
- a critical analysis of constructions of masculinities in explanations of gender violence in the South African context.
- young masculinities: resilience, negotiation and change.

Postgraduates / Graduations
We have a healthy number of postgraduate students, from Honours through to Masters and PhD level. Many of these students presented their work at national conferences, and some have begun submitting work for publication.

Distinguished Visitors / International Visits
We were fortunate to have 6 distinguished visitors in 2011:
- Professor Garth Stevens (University of the Witwatersrand) was the keynote speaker at the Psychology postgraduate conference.
- Professor Hubert Hermans, developer of the theory of the Dialogical Self, visited the department and gave a public talk on the dialogical self.
- Professor Hlengiwe Mkhize (Deputy Minister of Higher Education) was the 2011 recipient of the Social Change award.
- Dr Merran Toerien (York University, UK) visited the department and gave a talk entitled ‘Applying conversation analysis to the study of communication in institutional settings’. This visit led to some further research collaborations between herself and staff in our department.
- Therese Hegarty (Family Therapist, Dublin, Ireland) visited the department, and ran a workshop on narrative community psychology for students in the Masters in Clinical Psychology and Masters in Counselling Psychology programmes.

Significant Research Aligned Events
- The Psychology department co-hosted (with the Grahamstown Narrative Therapy Network) an
international conference: Mo(ve)ments in Identity: Narrative practice and theory, at which over 100 delegates attended, including practitioners, researchers/academics, and a healthy number of students, both from Rhodes University and other universities. Special presenters included Steve Gaddis (USA), Therese Hegarty (Ireland), and Elmarie Kotze (New Zealand). The conference was chaired by Professor Michael Guilfoyle of the Psychology Department.

- Professor Catriona Macleod’s book, Adolescence’, pregnancy and abortion, was awarded the Distinguished Publication Award by the USA based Association for Women in Psychology.
- Also in 2011, Professor Michael Guilfoyle was awarded a C2 rating with the National Research Foundation.

Professor Michael Guilfoyle
Head of Department
Books/Chapters/Monographs

Edwards, DJ A


Macleod, CI


Publications Research Journals in Abstract and/or Full Paper

Campbell, MH and Young, C


Guilfoyle, MCG


Macleod, CI


Macleod, CI and Sigcau, N


Mckernan, A and Macleod, CI


Nelson, T


Raby, C and Edwards, DJ A


Sawill Young, LJ


Shuttleworth-Edwards, AB


Young, C


Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and Attendance)

Bohrnke, WR


Fellhammer-King, T and Macleod, CI


Fouten, ES


Guilfoyle, MCG


Koeberg, R and King, B


MacLeod, C.


Meehan, T.


Padmanabhanurani, A. and Edwards, D.J.


Steele, G.


Steele, G., Scott S., Nanabawa, S., Fleming, T., Byron, J. and Bell, C.


Young, C.S.


Distinguished Visitors de Jong, J.

de Jong, J. Distinguished Visitors. 16th South African Psychology Congress. Emperor’s Palace, Johannesburg, South Africa. 7 May - 10 August 2011.

Hegarty, T.


Hermans, H.


Ngobese, K.M.

Ngobese, K.M. Professor G Stevens. Rhodes University, Grahamstown, South Africa. September 2011.

Steele, G.

Steele, G. presenter. SIOPSA Annual Conference: CSR. Pretoria, South Africa. 4 July 2011.

Steele, G., Scott S., Nanabawa, S., Fleming, T., Byron, J. and Bell, C.


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Ngobese, K.M.

Ngobese, K.M. Professor G Stevens. Rhodes University, Grahamstown, South Africa. September 2011.

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Steele, G. presenter. SIOPSA Annual Conference: CSR. Pretoria, South Africa. 4 July 2011.

Steele, G., Scott S., Nanabawa, S., Fleming, T., Byron, J. and Bell, C.


Young, C.S.

Two years ago, Rhodes Business School set an ambitious goal of being in the top three research business schools in South Africa as measured by its publication ratio. We still have a long way to go to achieve this, but there are some pleasing signs that the momentum is building.

Postgraduates / Graduations
Two of our former MBA students, presented papers at conferences based on their MBA research.

There are currently two PhD students enrolled at Rhodes Business School.

Significant Research Aligned Events
• 2011 saw the launch of our thought leader website, www.criticalthought.co.za which we are pleased to say is developing a wide reach. Some of our students contributed joint articles to this platform. In the next phase of critical thought’s development, the intention is to provide a more formal mechanism for the fruits of our staff and students’ efforts to be made public, thereby inspiring us all to further translate our research into publications.

• Dr Macdonald Kanyangale, a former full-time PhD student in the Business School was appointed to the staff in June 2011 with the mantle of Research Coordinator to drive our research agenda.

Rhodes Business School continues to be grateful to the DVC: Research and Development for making funds available for members of Rhodes Business School staff to attend conferences during the year.

Professor Owen Skae
Director of School
Books, Chapters, Monographs


Publications Research Journals in Abstract and/or Full Paper


Other Publications


Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and Attendance)


Distinguished Visitors


Herman, H Mr H Herman. Investec Ltd. Non-Executive Chairman, Cape Town, South Africa. Lecture: In the wake of the Global Financial Crisis - Towards a Sustainable Banking Sector. May 2011.


The School of Languages is comprised of African Language Studies, Afrikaans and Netherlandic Studies, Chinese Studies, Classical Studies, French Studies, and German Studies.

2011 has been a year of continued growth for the School. This can be attributed to the absolute dedication provided by members of the School, both in the carrying out of their teaching responsibilities as well as research. The growth in research outputs is clear evidence of this commitment, and this is augmented by staff furthering their studies and obtaining higher degrees within the School. It is the aim of the School to reposition itself by improving staff qualifications, continuing with teaching and research of excellence, improving our publication output and, under my leadership, to entrench the School as a leading School of Languages, a School where students are treated with ubuntu (respect) and where we form one unified entity.

Postgraduates / Graduations

One of the highlights for the school was receiving an award of R7.5 million rand for bursaries at Honours and MA level, of which R2.5 million was used in 2011. African Language Studies students who received these bursaries were involved in linguistic and applied language studies research and learning. 30 Honours students graduated from the 2011 cohort (the highest number of Honours graduates from a single Section/Department within the Faculty of Humanities) as well as 4 MA students.

A number of Honours and MA students also graduated from German Studies, French Studies, and Classical Studies in 2011.

The School now boasts a record number of postgraduate students, including 6 PhD, approximately 20 MA students and a number of Honours students.

The following staff members are busy with their PhD degrees: Undine Weber, Bulelwa Nosilela, Anton Vorster. Daniel Malamis was awarded his MA degree with distinction. Pamela Maseko was awarded her PhD, supervised by Professor Kaschula.

Distinguished Visitors / International Visits

A number of esteemed visitors contributed to the School's academic programmes in 2011:

- Dr Sydney Zotwana spent a number of months with us, lecturing to students in the African Language Studies Section. He also gave a seminar on the work of renowned isiXhosa author, SEK Mqhayi. The teaching of isiXhosa literature was also augmented by Professor Jeff Opland who visited us in order to speak about his new book, to guest lecture our students, and to give a Faculty of Humanities/School of Languages Seminar.

- Afrikaans and Netherlandic Studies hosted Dr Hans Ester from Radboud University in the Netherlands. On his visit he presented a School of Languages seminar and contributed to the supervision of a PhD student registered in the section. This section also hosted Professor Louise Viljoen from the University of Stellenbosch.

- Dr Regine Fourie spent three months with the German Studies Section as a leave replacement for Undine Weber.

- Philip Bosman of UNISA and Richard Whitaker (Emeritus Professor, UCT) visited the Classical Studies Section. There was also an inspirational visit from Professor Michael Lambert, Professor of Classical Studies at the University of KwaZulu-Natal.
Significant Research Aligned Events

- Financial support has been received in the School of Languages from the following donors/funders/awards during the course of the year. These awards are gratefully acknowledged:
  - Department of Arts and Culture
  - HANBAN (People’s Republic of China)
  - Faculty of Humanities, Rhodes University
  - Rhodes University Research Office
  - National Research Foundation
  - Dutch Language Union
  - DAAD (German Academic Exchange Service)

- Afrikaans and Netherlandic Studies received a substantial grant from the Cape Forum for Netherlandic Studies which enabled the section to employ Ms Else Boekkooi to teach two semester courses in Dutch language acquisition. Teaching and Learning in Afrikaans and Netherlandic Studies were enhanced by generous sponsorships from the Dutch Language Union, which enabled students to attend the Dutch Winter School in July 2011, as well as the Woordfees and a Dutch seminar in Stellenbosch.

Finally, it is hoped that the increase in student numbers, particularly at the postgraduate level, will be sustained and that the School of Languages will continue to position itself to attract not only undergraduates, but more Honours, MA and PhD students. 2011 has proven to be a year underpinned by intellectual productivity and successful throughput of students within the School of Languages.

Professor Russell Kaschula
Head of School
The Department of Sociology has gone through a number of staff changes in recent years and had to bring in a number of part-time academics to fill gaps in its undergraduate teaching programme. Despite this challenge, the department had a very productive year in terms of publications and conferences as well as with regard to the completion of MA and PhD theses. Both staff and students were active in presenting papers at local academic conferences.

Postgraduates / Graduations

PHD students made a significant contribution to the department’s publications. Ms Naidoo published two chapters in two separate books as well as co-authoring another book chapter. Dr Murisa, besides his involvement in the book on civil society and land struggles, also wrote an article in the Journal of Peasant Studies for a special edition on Zimbabwe.

Dr Manase Chiweshe (who completed his degree in 2011) published a journal article based on his MA thesis, and Mr Sonwabo Stuurman co-authored a journal article based on his MA thesis. The department is very proud of its students in making such an important intellectual contribution.

The department had forty PHD and MA students in 2011. Three PHD students and seven MA students finished their theses during the year. Three of the seven MA students (Tarryn Alexander, Loveness Chakona and Yeukai Mukorombindo) received distinctions for their degree.

Distinguished Visitors / International Visits

- Professor Gilton Klerck co-wrote a book on employment relations (with an international perspective) along with international colleagues, which reflects his growing reputation globally in the field of industrial relations.
- Dr Kirk Helliker co-edited a book on land struggles and civil society in southern Africa. The other co-editor is Dr Tendai Murisa (a recent PHD graduate from Sociology at Rhodes).
- Besides a co-written introductory chapter and separate chapters by Drs Helliker and Murisa, a current PHD student (Lali Naidoo) also contributed a chapter.

Dr Kirk Helliker
Head of Department
Books, Chapters, Monographs

Heiliger,KD


Hendrickx,PT

Klerkx,G

Klerkx,GG

Martinez-Mullen,CA

Murisa,T

Naidoo,L


Rhodes Research Report 2011

Publications Research Journals in Abstract and/or Full Paper

Chiweshe,MK

Drewett,MD

Murisa,T

Park,YJ

Roodt,LJ

Research Papers Presented at Academic/Scientific Conferences (Procedings, Booklets and Attendance

Agbedahin,K

Drewett,MD

Martinez-Mullen,CA

Masako,QAP

Tanyanyiwa,P

Agbedahin,K

Drewett,MD

Roodt,LJ

Martinez-Mullen,CA

Masako,QAP

Tanyanyiwa,P
Members of the Department of Statistics were involved in research and joint research with the Departments of Zoology and Entomology, Management, Psychology and ISER. Thirteen publications emanated from both theoretical and applied collaborative research in 2011. Professor Gunther Jäger continued his interesting research in lattice-valued convergence spaces which resulted in a publication during the year and Dr Lianne Raubenheimer’s research in Bayesian estimation of functions of Binomial and Poisson rates resulted in two publications. A book “Honeybees of Asia” co-edited by Professors Randall Hepburn and Sarah Radloff was published by Springer-Verlag, Germany.

Significant Research Aligned Events

- Several papers were presented at the 53rd Annual Conference of SASA held in Pretoria at the CSIR Convention Centre: Professor Gunther Jäger and Mr Jeremy Baxter co-presented a paper on Protein secondary structure prediction: an application of Bayesian adaptive regression trees; Professor Radloff and Mr Pavel Petrov co-presented a paper on Model selection in cointegrated analysis; Professor Radloff and MCom student Mr Gregg Webster co-presented a paper on Bayesian logistic regression for credit scoring.
- Dr Lianne Raubenheimer presented a paper on Bayesian estimation of the ratio and product of two Poisson rates.
- Professor Szyszkowski and MSc student Mr Tafadzwa Muchenga co-presented a paper on A comparative analysis of the LIBOR and swap market models for pricing interest rate derivatives.
- Professor Radloff’s collaborative research papers in Social Sciences and Psychology were presented at conferences in Stellenbosch and Johannesburg, respectively.

- Members of staff also presented papers at international conferences: Mr Jeremy Baxter’s joint research paper with the Department of Management was presented at EURAM 2011 in Tallinn, Estonia; Professor Jäger presented a paper at the Joint International Congress of the American and South African Mathematical Societies in Port Elizabeth at NMMU; and Dr Lianne Raubenheimer presented a paper at the Hierarchical Models and MCMC International Conference in Crete, Greece.

Distinguished Visitors / International Visits

The Department hosted four distinguished visitors, Professor N. Balakrishnan from McMaster University, Ontario, Canada; Ms V. Goodall from SAEON, Cape Town; Dr T. Berning and Ms I. Contardo-Berning from Stellenbosch University, Stellenbosch.

Professor Sarah Radloff
Head of Department
2011 was yet another exceedingly productive research year for the department. A total of 65 papers on range of diverse topics were published in both local and international peer-reviewed scientific journals by the staff, research associates and students of the department. Staff within the department also contributed 10 book chapters, with several of these being invited contributions. The staff and students travelled widely to attend and present their research findings at major international conferences and workshops in South Africa, USA, Thailand, Sweden, Spain and Canada. The high regard of the research by the academics within the department is reflected in the numerous invited lectures and keynote addresses during the year.

**Significant Research Aligned Events**

- In 2011, a number of staff within the department received significant accolades. **Professor Christopher McQuaid**, who holds the SARChI research chair in Marine Ecosystem Research, was awarded an A-rating by the National Research Foundation (NRF) and was the recipient of the South Africa Network for Coastal and Oceanic Research (SANCOR) Gilchrist Medal. Additionally, Professor McQuaid was elected as a Distinguished Professor of Rhodes University.
- **Professor William Froneman** was made a fellow of the Royal Society of South Africa.
- Once again the Vice-Chancellor’s Senior Research award was won by a member of staff, this time by **Professor Martin Villet**.
- The department not only continued to attract Postdoctoral researchers from around the globe, but also hosted a Fulbright Fellow, Professor Ray Newman from Minnesota University, USA.

**Distinguished Visitors / International Visits**

- The staff within the department continue to forge strong research collaborations with international scientists. During his sabbatical, **Professor Alan Hodgson** was a distinguished Visiting Scholar at the Darling Marine Centre, University of Maine and conducted research at the Institute of Biology at the University of Halle-Wittenberg, Germany.
- **Professor Martin Hill** and **Dr Julie Coetzee** from the biological control research group completed successful research trips to Argentina and Tanzania.

**Professor William Froneman**  
Head of Department


Other Publications


de Moor, FC and Barber-James, HM de Moor, FC and Barber-James, HM. 2011. “The aquatic macroinvertebrates of the Malagarasi River, Tanzania”. SAUB. Grahamstown. 1-12.


Research Papers Presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)


Congress of the Entomological Society of Southern Africa.
HeshaulUPLP, Hill,MP, Coetzee,JA and Toure,RA
Heyns,S and Froneman,PW
Hill,MP and Coetzee,JA
Hill,MP
Hill,MP and Madeira,P. “Spemtopelma rufinum proves to be an excellent Azototaxin”. 13th International Symposium on Biological Control of Weeds. Wuasota Beach Marreti, Wukota, USA. September 2011.
J RJ
Kawagay,GP and Vile,MH
Ko,AD and Parker,DM
Langa,S and HILLMP
Macala,ML, McQuaid,CD, and Cole,V
Mann,G and Parker,D
Martin,GD and Coetzee,JA
Mmonwa,LK, McQuaid,CD and Hill,MP
Mmonwa,LK and Hill,MP
Ndhlovu,RT and Hill,MP
Pineda,MC, Lopez-Legentil,R, Rius,M, McQuaid,CD and Touron,X
McQuaid,CD and Matamba,TG
McQuaid,CD and PoinLP
Villet,MH and Dahdo-Guebas,F.
Vollmus,K, Hill,MP, and Byrne,M.
McQuaid,CD and Matamba,TG
McQuaid,CD and PoinLP
Opoku-Dabrah, J. K. and HILMP

Owen, C. Coetzee, J. A. and HILMP

Paterson, D.


Paterson, D. and Alkabady, F.

Paterson, D. and Downie, D. A.


Porf, F. and McQuaid, C. D.


Preatorius, T. and HILMP

Price, B. W. and Villal, M. H.


Concerts, Exhibitions, Performances, Workshops, Events

de Moor, F.C. de Moor, F.C. Presenter. “Insects in flight: from Jurassic Park to Tsetseflies”. Noite, Botany Department Rhodes University, Grahamstown, South Africa. 21st June 2011.
de Moor, F.C. Oral Presentation. “Aquatic invertebrates of Tsitsikamma and potential impact of invasive alien plants on stream ecology.” Invasive alien conservation planning freshwater ecology junction, MMHU George Campus, Sausied, South Africa. 16 - 17 November 2011.
The Albany Museum continues to unlock the future in the fields of entomology, freshwater invertebrates, earth sciences, botany and archaeology. The entomology section produced 2 peer reviewed journal papers. In addition, two new papers have been accepted for publication. A manuscript of a new book on wasps and bees authored by Drs S and F Gess has been accepted for publication. Mr Dold of the Herbarium has co-authored 3 book chapters, 2 peer reviewed papers and one popular article. The Archaeology Department has undertaken several Heritage Impact Assessment Studies as part of the museum’s contribution to sustainable development. The research output of the museum indicates the international standing of the Albany Museum as a research facility.

Postgraduate/Graduations
Dr Helen Barber-James was awarded a PhD. Mr T Bellingan graduated with an MSc degree.

The Albany Museum hosted Dr Ben Price as a Postdoctoral Fellow.

Distinguished Visitors / International Visits
Distinguished visitors included Prof Marsha Macdonald from Michigan State University and Dr Maybery, Consulate General of the US embassy. Professor Foster of George Washington University and Dr Johan Choiniere of the American Museum of Natural History in New York also visited the museum to work on two papers with Dr de Klerk. Dr Labanderia of the Smithsonian Museum made two trips to the museum.

Ms Booth attended the ASAPA Conference in Mbabane, Swaziland.

Significant Research Aligned Events
- Mr Dold collected two new species of Drimia on a field trip in the Karoo.
- Mr Dold and co-author Dr Cocks secured sponsorship for the publishing of their new book on the bio-cultural diversity of the Eastern Cape.
- Ms Booth attended the SAMA Regional Conference at Bayworld.
- Drs de Moor and Barber-James registered with SACNASP as practicing natural scientists.
- Mr Bellingan and Dr de Moor were assessed as SASS5 practitioners.
- Dr de Klerk was co-opted by the EC Branch of the Royal Society.

Mr Bongani Mgijima
Manager: Albany Museum

Dr Billy de Klerk taking a break while plaster jacketing and extracting the fossil skull of a large dicynodont (mammal-like reptile) that has been discovered in the Nieu Bethesda District of the Central Karoo. This jug-like herbivorous reptile lived in South Africa some 252 million years ago, just prior to the devastating end-Permian mass extinction times.


In 2011, CHERTL staff members continued their research, and supervision of research in the field of higher education studies.

Seven papers were published in accredited journals authored or co-authored by CHERTL staff members: Ms Dina Belluigi (three papers), Professor Chrisie Boughey, Ms Karen Ellery (two papers) and Ms Penny Niven. The papers cover a range of topics of interest to higher education practitioners such as evaluation, assessment, scholarship of teaching, learning and epistemological access. Dr Jo-Anne Vorster had a chapter based on her doctoral study published in a book entitled Knowledge and Identity, Concepts and applications in Bernstein’s sociology. CHERTL staff members presented seventeen papers at local conferences and five papers at international conferences in 2011.

Postgraduates/Graduations
The doctoral programme in higher education studies continued to grow and 29 students are now registered. In 2011, 6 students began work on studies on Social Inclusion and Exclusion in Higher Education funded by a R1 million NPR grant. They were joined by an additional three doctoral candidates who were not awarded funding but who were able to find funding from other sources to join the programme. Research on higher education in South Africa tends to comprise small pieces of research. The Social Inclusion and Exclusion project aims to produce a much larger, coherent piece of work focused on addressing some of the most persistent problems in higher education.

In 2011, the doctoral studies programme hosted Professor Sue Clegg of the Leeds Metropolitan University for one of its ‘Doc Weeks’. In addition, academics from the University of Cape Town, Cape Peninsula University of Technology, the University of KwaZulu-Natal and Stellenbosch University presented seminars. Because of the part-time nature of the PhD scholars in this programme, RUCConnected is widely used for online discussions between ‘Doc Weeks’.

The programme also includes ‘Pre-Doc’ scholars who intend undertaking a PhD in higher education studies but who first benefit from a structured engagement with the literature and key theories. Such scholars work with the Doctoral Programme Coordinator on two main assignments while also attending the ‘Doc Weeks’ and the Faculty of Education Research Design short course.

Significant Research Aligned Events
In addition to research reported upon in publications in accredited journals, 2011 saw the completion of a large piece of work commissioned by the Council on Higher Education. This research used data generated by the first cycle of institutional audits in order to produce a ‘meta-analysis’ of teaching and learning at South African universities. The research has culminated in four research reports. In 2011, the work was completed with the submission of two reports analyzing teaching and learning at five historically disadvantaged universities and four comprehensive universities.

Towards the end of 2011, CHERTL received a €1 000 000 grant from NUFFIC, the Dutch funding agency for the development of a course on doctoral supervision. The course will be developed in collaboration with colleagues from Vrije University of Amsterdam and will eventually be rolled out across 19 South African universities. Supervision has been identified as an area which is critical to throughput and graduation rates at doctoral level and is also seen as key to improving the number of black South African students graduating at doctoral level. The development of the course on supervision sits well with Rhodes University’s aim of becoming increasingly postgraduate.

Professor Chrisie Boughey
Dean: Teaching and Learning
EBRU maintained a high profile both nationally and internationally during 2011 particularly in regard to its use of microalgae to treat waste water and for derivation of energy from the resultant biomass.

Significant Research Aligned Events

- The director, Professor Keith Cowan, was invited to present papers at the African, Caribbean and Pacific Group of States (ACP), Science and Technology workshop on Sustainable Non-Food Sources of Oil, the 3rd European Algae World conference, the Border Kei Chamber of Business (BKCOB), and the National Science and Technology Forum (NSTF) and South African Agency for Science and Technology Advancement (SAASTA) Critical thinkers forum titled Acid mine drainage: possible solutions. Professor Cowan also addressed the Viridis Africa Conference on Combined waste water treatment and bio-energy production.

- Mr Richard Laubscher represented EBRU at the Fossil Fuel Foundation meeting Advanced fuel technology on energy and algae: alternatives to CCS and at the African Water Facility workshop on Municipal-Supported Unsewered Sanitation Improvements for the Urban-poor in Sub-Saharan Africa.

- Professor Cowan and Mr David Render contributed to the design parameters and operational processes of an integrated algae pond system (IAPS) installed at Three Crowns J Junior School, in the Lady Frere district of the Chris Hani District Municipality, for bioenergy/water beneficiation. I am happy to report that the school now enjoys a sustainable stream of biogas for heating and cooking and a hot meal daily.

- The local environmental consultancy company Coastal and Environmental Services (CES) formed a joint venture with EBRU to study hydrocarbon degradation in polluted soils and develop a novel bioremediation catalyst for local and regional markets.

- Studies continued on the Thermal Coal, Anglo Operations sponsored Fungcoal process for the remediation of compacted and damaged soil due to open cast coal mining. The project which aims to refine the practise of in situ phyto-bioconversion of waste coal has established several large-scale demonstration trials on coal mines and coal dumps in the Emalahleni area for the productive rehabilitation of disturbed land.

Postgraduate/Graduations

- Several novel coal degrading microorganisms have been isolated (Mr Gerald Edeki, PhD candidate) and patent protection for these has been sought. The resultant soil-like material formed by biodegradation of waste coal was shown by Ms Lerato Sekhohola (PhD candidate) to readily support seedling establishment of a wide variety of arable crop plants.

- Other research projects underway in the Institute include the use of algae biomass as an organic fertilizer (Ms Zanile Mlambo, MSc candidate) and the mechanism of microbial coal degradation (Ms Lwazi Madikiza, MSc candidate).

- Two candidates successfully completed masters' degrees during 2011; Ms Prudence Mambo and Ms Kubura Tijjani.

Aside from the successes, 2011 was also filled with its share of frustrations. A major initiative to construct the first commercial Integrated Algae Pond System (IAPS) in South Africa and in Grahamstown on behalf of the EBRU-DHV-SSI-Makana Municipality consortium with funds successfully won from Partners’ for Water (The Netherlands) was thwarted by circumstances beyond our control. I am happy to report that Emeritus Professor Jan Raats (University of Fort Hare) has embraced the algae waste water treatment technology and that a commercial scale IAPS will be constructed in Alice to increase capacity of the current waste water treatment facility by 0.7-1 mega litres per day.

Professor A. Keith Cowan
Director of Institute
Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and Attendance)

Cowan, AK

Laubscher, RK

Concerts, Exhibitions, Performances, Workshops, Events

Cowan, AK

Laubscher, RK
Laubscher, RK. Delegate. NSTF/SAASTA Critical Thinkers Platform in Aquaculture and Emerging Technologies. Pine Lodge Resort, Port Elizabeth, South Africa. 6 - 7 October 2011.

Rhodes Research Report 2011
2011 saw the retirement of the Institute’s long-serving Director, Professor Laurence Wright, who has been at the helm since 1990. Professor Wright delivered a “farewell” public lecture, Guy Butler’s South Africans: “Being present where you are”, on the occasion of his being honoured with the English Academy’s Gold Medal for lifetime achievement. He also made a presentation to Management and Faculty of the North West University (Potchefstroom Campus) on strategies for developing a research-intensive university. Professor Wright spoke in relation to the Humanities, while the former Vice-Chancellor of North West University, Professor Carools Reinecke, spoke from a Science perspective. Professor Wright has been invited to join the board of Shakespeare, the journal of the British Shakespeare Association.

Postgraduates/Graduations

The Rhodes Masters in Creative Writing programme was successfully launched. Seven of the eight students completed their degrees in a year, and the remaining student is expected to complete in 2012. This is only the second such programme in the country registered on the NQF. A book, Tyhini 2011, based on course work exercises undertaken by the students in the first five months of the programme, was published by the Institute and launched in October. The book is edited by Robert Berold.

Significant Research Aligned Events

- A R21 million grant was awarded by the Sishen Iron Ore Company Community Development Trust (SIOC-cdt) to undertake a major teacher education initiative in the Northern Cape, in partnership with the Rhodes University Maths Education Project (RUMEP) and the Centre for Social Development. The ISEA initiative, headed by Dr Monica Hendricks, will take a substantial cohort of Northern Cape teachers through a BEd in English Language Teaching, while RUMEP will provide an equivalent qualification in Mathematics Teaching, and the CSD will see to the Foundation Phase teaching qualification. We look forward to working with our new partners in the Northern Cape in a shared endeavour to improve the quality of education.

- As part of their Golden Jubilee celebrations, the Secondary Schools Language Project (SSLP), on Friday 20 May, hosted a public research seminar, Rural Language Education in Context, which was sponsored by the English Academy of Southern Africa. The six presentations focused on the unique challenges of rural education. Topics included Monica Hendricks on Schooling and resources: an overview, Laurence Wright on Rural teachers, reading and social imagination, Margie Probyn (University of the Western Cape) on Talking science, thinking science: opportunities to learn, Madeyandile Mbelani on Visual literacy: experiences and reflections from rural schools, Ntombekhaya Fulani on Language textbooks and the challenges of equal education, Sarah Murray (RU Education Department) on Literacy in rural schools: the importance of the early years, and Ntombekhaya Fulani and Monica Hendricks on Lessons from classroom observation. The event was attended by some 35 people, including local academics, district education officials from as far away as Queenstown, and by members of the Council of the Eastern Cape English Educators Association (CECEA), whose presence was sponsored by the ZENEX Foundation. Reports on the event were carried in the Newsletter of the English Academy, on the Rhodes website, and in the local press. Much of the material presented is to be included in a book dealing with South Africa’s education crisis, edited by Laurence Wright.

- An annual third issue of the Institute’s well-regarded journal, English in Africa has been launched. The extra issue will be devoted to the work of the South African
Literary History Project (SALHP), based in the Rhodes English Department, and will be guest-edited by a member of the SALHP team. The first SALHP number, edited by David Johnson and Edward Hudson, carries the text of the earliest known South African novel written in English, Samuel Eusebius Hudson’s Virtuoso (c.1826-28), published here for the first time.

**Professor Laurence Wright**  
Director of Institute
Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and Attendance)

Fulani,NC

Hendricks,MG

Hendricks,MG

Mbelani,M

Mann,CM

William,B

William,B

William,B

William,B
"Not calculated to increase their confidence in the Government to whom they desired to be loyal’: Kimberley’s African intelligentsia and the Langeberg rebellion.” Resisting Colonialism, the Northern Cape frontier 1850-1900. McGregor Museum. Kimberley, South Africa. September 2011.

William,B

Wightlls

Wightlls

Wightlls

Concerts, Exhibitions, Performances, Workshops, Events

Mann,CM

Mann,CM

Mann,CM

Mann,CM

Mann,CM

Mann,CM

Mann,CM

Mann,CM

Mann,CM

Mann,CM
"Singer songwriter. “Blessed be this planet earth with the band Corporate Revolt”." Multi Faith pre-COP 17 rally. Kings Park Stadium, Durban, South Africa. 27 November 2011.

Mbelani,M

Wightlls

Wightlls

Distinguished Visitors

Chisiza,S

Dawes,N
Mr J Dawes. Founder, Karoo Anti-Fracking Group, Cape Town, South Africa. Contributor to Wordfest ‘Fracking’ debate. 7 July 2011.

Gurr,S
Ms S Gurr. Director, Human Rights Media Centre, Cape Town, South Africa. Wordfest participant. 17 July 2011.

Haresnape,G

Kgotlaii,K
Magona, S  
The Institute of Social and Economic Research (ISER) pursued a very rich research and public engagement agenda in 2011. It consolidated and further developed its local and international reputation in undertaking peer reviewed research of excellence in the areas of bio-diversity and well-being. The ISER expanded its new research and teaching programme in social policy in 2011, extending its influence through the social policy research, teaching and public engagement programme to deal with the real social problems of the Eastern Cape Province and the country. As co-sponsor with the Department of Music of the Jazz Heritage Programme the ISER also contributed significantly to the development of jazz as an area of academic study, drawing on the rich musical and autobiographical legacies of jazz musicians who have their roots in the Eastern Cape.

Social Policy

The centre-piece of publication on social policy in 2011 was the collection The Fate of the Eastern Cape: History, Politics and Social Policy (Kwa-Zulu Natal Press), the first volume of its kind focused on the Eastern Cape and combining historical accounts with current socio-political analyses to present an agenda for social-spatial justice for the people of the Eastern Cape. The contributors, mainly from Rhodes University and including the past ISER director Prof Greg Rufters (who also edited the volume) and the current ISER director, covered areas of expertise ranging from political science, social policy, economics, geography, anthropology, biology and education. The peer reviewed book has been well received, and makes an important contribution to debates about future policy alternatives to the social problems of the Eastern Cape and about the future of provinces in South Africa.

The social policy programme also received funding for three research proposals. The first study, General Practitioners and Health Care Reform in South Africa, funded by the Rhodes University Sandisa Imbewu programme, is aimed at analysing the views of the private medical profession to the new proposed National Health Insurance. The study is undertaken with ISER Research Associate Dr Rebecca Surender, a health policy specialist based at the University of Oxford. The second research study, funded by SANPAD, is entitled Effecting Social Citizenship through Social Policy, Policies, Contestations and Practices. The field work for this study is underway. The study interrogates the ideologies underpinning the social policies of the leading political parties in South Africa in order to account for the range of policy proposals and their approach to social citizenship and “the good society” in South Africa. This study is being jointly undertaken with ISER Research Associate, Dr Yusuf Sayed, a leading South African education policy specialist and Reader of Education based at the University of Sussex. The second large-scale SANPAD funded research study is on Social Policy, Social Compacting and the Developmental State. This is a multi-country international study comprising leading scholars from the Netherlands, India, the United Kingdom, Ireland and South Africa. The aim of the study is to assess the role of the state in social and economic development, the social competing institutions which give effect to development and their implications for social policy.

The ISER also had a number of research and knowledge dissemination events. Two of the most significant was the ISER Winter School, on the subject of social policy and inequality and local government, and the Dr AB Xuma Memorial Lecture. The 2011 Dr AB Xuma Memorial Lecture was presented by Professor Vishnu Padayachee on contestations over economic policy making in the transition period from apartheid. Professor Padayachee is now a full professor of the ISER, responsible for developing a major programme of research and teaching on political economy, monetary policy and central banking, a programme which will be jointly undertaken with colleagues from the Department of Economics.
Bio-diversity

The SANPAD (South African Netherlands Program for Alternative Development) funded project entitled: Understanding modernized rural people’s cultural landscapes: Implications for biodiversity and nature conservation in the context of the political and land-use history in South Africa was completed in 2011. Core findings included that local amaXhosa communities’ portrayed a strong, although not always easily articulated, appreciation for nature, especially ihlathi lesiXhosa (‘Xhosa forest’, vegetation types within the Thicket Biome). Activities such as collecting fuel wood and other resources, hunting and time spent at initiation schools were described as key opportunities for spending time in nature. The benefits of being in nature were ascribed not only to the physical experience of the forest environment and its biota, but also to the presence of ancestral spirits. Being in nature thus contributes significantly to the physical, mental and spiritual well-being of local people, and is also integral to their sense of cultural identity.

The Bio-cultural Diversity Conservation programme also runs a community engagement project, Inkubeko Nendalo. Participating schools include 7 Grahamstown township schools, one school in Peddie, one school at Kenton-on-Sea and one farm school in Salem. Inkubeko Nendalo (“culture and nature” in isiXhosa), was developed out of the recognition that overexploitation of natural resources threatens not only biodiversity but also indigenous knowledge systems and ultimately South Africa’s cultural heritage. Inkubeko Nendalo aims to raise awareness around the link between cultural diversity and biodiversity amongst school learners.

Quality of Life

Two of ISER’s international multiple-year Quality of Life projects completed their work and disseminated findings. Among others, The SANPAD-supported project on TB-related stigma in the time of HIV/AIDS in the Eastern Cape found that fear of HIV might delay presentation for TB treatment and act as disincentive seeking TB treatment. As a service to the community, the project also updated ISER’s report series on quality of life and living conditions in Grahamstown East.

The Ageing, Wellbeing and Development research project examined the economic and social dynamics of older people and their households in Brazil and South Africa between 2002 and 2008. It was found that average levels of wellbeing experienced by older people in South Africa and Brazil had improved over time. Non-contributory pensions remained essential to the wellbeing, livelihoods and economic inclusion of older people in the two countries. In March, the research team, comprising scholars from the United Kingdom, Brazil and South Africa, briefed policy makers in Rio de Janeiro and reported to South Africa’s Department of Social Development and to the University of Johannesburg’s Centre for Social Development in Africa.

Professor Valerie Møller, who heads ISER’s Quality of Life project, took up her new role as Emeritus Professor in 2011. She was awarded a two-year National Research Foundation grant to conduct a comparative study of quality of life in South Africa and Algeria. The multi-method project will conduct experiments and conduct national surveys that will ask South Africans and Algerians about their hopes and fears for themselves and their country.

Jazz Heritage Studies

The ISER, jointly with the Department of Music and the Cory Library, convenes an Andrew W. Mellon funded Eastern Cape jazz heritage research project. The aim of the project is to record the history of jazz which has its roots mainly but not exclusively in the Eastern Cape. This is undertaken through research on local Eastern Cape musicians and the collection and digitisation (with due regard to all copyright concerns) of rare vinyl records never before released in digital format and the ephemera of the “jazz life” such as posters, handbills and various artefacts.

A key project of the jazz heritage project is the archiving of the musical legacies of musicians such as the late Chris McGregor; celebrated pianist of the Blue Notes and Brotherhood of Breath exiled jazz bands. The Jazz Heritage Project is working closely with Maxine McGregor on this component of the project, as well as publication of Maxine McGregor’s biography of her late husband, due for release in 2013.

In addition the jazz heritage project is working with Esme Matshikiza on the archiving of her late and famed husband Todd Matshikiza’s musical legacy, including the original scores he wrote for the celebrated jazz opera “King Kong” which first premiered in 1959. All these digitised and archived materials will be used by scholars associated with the jazz heritage project and international scholars through integration with the university’s digital archival platform, housed in the Rhodes University central library.
Books, Chapters, Monographs

Cocks,ML


Moller,V


Ruiters,G


Publications


Moller,V


Cocks,ML

Cocks,ML

Cocks,ML and Mogano,LL

Cocks,ML

Dold,AP


Cocks,ML and Mogano,LL
and the perceptions of natural landscapes amongst the amaXhosa. 37th annual conference of the South African Association of Botanists. Rhodes University, Grahamstown, South Africa. January 2011.

**Distinguished Visitors**

- Gijsbertsen, J

- Morris, C

- Wiersum, F
Postgraduates/Graduations

At the 2011 graduation ceremony Dr Evison Kapangazwi (Hydrology) and Dr Andrew Slaughter (Water Resources Science) received their PhD degrees, while Mr Nelson Odume and Mr Felike Mekiso received their MSc degrees (both in Water Resources Science).

At the end of 2011 the Institute had 14 registered PhD students and 2 MSc students (in either Hydrology or Water Resource Sciences). Three of the PhD students had either submitted or were about to submit their theses for examination.

Significant Research Aligned Events

Scientific reports

In addition to the publications in research journals and conference proceedings, the IWR generated 24 scientific reports to its various research funders during 2011. While many of these were interim deliverable reports and quarterly or annual progress reports, 6 represented final reports at the conclusion of several projects.

Conferences attended during 2011

Most of the post-graduate students and their supervisors attended various conferences during 2011. Students presented papers or posters at the 15th South African National Hydrology Symposium held in Grahamstown during September 2011 and organized by the IWR. Two of the students (Ahmed Desai and Jane Tanner) were presented with ‘Emerging Scientist’ awards at this meeting.

The IWR also supported the attendance of post-graduate students at the WaterNet symposium in Maputo, while others attended the Young Water Professionals Conference (Pretoria) and the National Groundwater Conference (Pretoria). Professor Hughes and Mr Tshimanga (PhD student) represented the Institute at the IUGG General Assembly held in Melbourne, Australia during July 2011, while Professor Hughes also participated in the Putting PUB (Predictions in Ungauged Basins) into Practice International workshop in Canmore, Canada during May.

At the Melbourne meeting, Professor Hughes was re-elected as a Vice-President of the International Association of Hydrological Sciences (IAHS).

Other highlights

The Unilever Centre for Environmental Water Quality secured funding during 2011 for two projects that focus on complex social-ecological systems and the need to account for multiple perspectives. These are: From policy to practice: enhancing implementation of water policies for sustainable development and Comparative transdisciplinary case studies of change towards water security. Several new post-graduate students will be working on these projects from 2012.

The RISE SSAWRN project supported by the Carnegie Foundation of New York continued into the second 3 year phase (2011 to 2013). This programme currently supports 9 of the IWR post-graduate students and is a cooperative project with universities from Mozambique, Botswana and Uganda.

Professor Denis Hughes
Director of Institute
Institute for Water Research

Rhodes Research Report 2011

Slaughter, AR and Hughes, DA

Slaughter, AR, Hughes, DA and Muller, WJ. "A simple TDS mass balance model applied to an irrigation area in the Breede River". SANcIaHS National Hydrology Symposium, Rhodes University, Grahamstown, South Africa. September 2011.

Tanner, JL and Hughes, DA
Tanner, JL and Hughes, DA. "Improving conceptual understanding of the surface and groundwater interaction processes". SANcIaHS National Hydrology Symposium, Rhodes University, Grahamstown, South Africa. September 2011.


Tirivarombo, S and Hughes, DA
Tirivarombo, S and Hughes, DA. "Drought monitoring as a means of mitigating the impact of extreme events in southern Africa". SANcIaHS National Hydrology Symposium, Rhodes University, Grahamstown, South Africa. September 2011.


Tshimanga, RM and Hughes, DA
Tshimanga, RM and Hughes, DA. "On a Perceptual Model for Informed Modelling Decisions in Large River Basins: The Case of the Congo Basin". 15th SANcIaHS National Hydrology Symposium, Rhodes University, Grahamstown, South Africa. September 2011.

Tshimanga, RM, Hughes, DA and Kapanga, E


Concerts, Exhibitions, Performances, Workshops, Events

Hughes, DA


All RUMEP staff members presented short papers at the 19th Annual SAARMSTE Conference at the North-West University, Mafikeng campus in January, 2011. The papers were well received and people showed a keen interest in what we do at RUMEP.

**Dr Rose Spanneberg** accepted an invitation to the Impumelelo (Social Innovations Centre) workshop titled: Beyond Talk: Skills Training and Employment held in Cape Town in March where the presentations were excellent and very informative. RUMEP was also invited to be part of one of the case studies that featured in one of Impumelelo’s publications. This special publication entitled, Women making it happen saw 62 of South Africa’s women being interviewed about their work. It was a privilege to be part of a centre widely known for its excellence.

RUMEP together with a consortium of two other institutes at Rhodes University will embark on a new B Education (in-service) course next year in Mathematics, English First Additional Language and Foundation Phase teaching. The courses have been fully funded by the Sishen Iron Ore Community Trust (SIOC). One hundred and eight teachers from the Northern Cape will start their studies in 2012. The districts of Kimberley, Kuruman and Postmasburg have been targeted.

**Mr Tom Penlington** attended the 11th International Mathematics Education into the 21st Century Project in September where he presented a short paper on the challenges teachers and learners’ experience in understanding the different solution strategies using whole numbers.

The 2011 National Mathematics Week was hosted by the Grahamstown branch of AMESA and organised in partnership with DBE, Sci-Fest, Albany Museum, RUMEP, DST and the CSD. The main purpose of the week was to highlight the beauty, utility and applicability of mathematics. A special highlight of the week was the talk by Dr Don Thomas (USA astronaut).

Learners from Grahamstown and surrounding towns participated in the JET Maths Challenge, Mathematics relays while teachers took part in a Maths Bonanza for GET and FET teachers.

**Ms T.Tokwe and Ms F. Mkhwane** facilitated workshops at the AMESA 17th National Congress in Johannesburg in July and three staff members participated and facilitated workshops at the one day AMESA Conference in Grahamstown.

Mathematics workshops on shape, fractions and data handling were also conducted for the Stutterheim Education Trust throughout the year in the Debe Nek and Dimbaza districts.

**Dr Rose Spanneberg**
Director RUMEP
Research Papers Presented at Academic /Scientific Conferences (Proceedings, Booklets and Attendance)

Haywood, T

Isaacs, B

Nobongoza-Mkhwanwane, F

Penlington, T

Penlington, T

Spanneberg, R

Spanneberg, R

Tokwe, N

Tokwe, N and Nobongoza-Mkhwanwane, F

Zooste, Z
Zooste, Z. "I can’t draw zero: Grade 3 and 4 learners dilemma with structure in multiplication by zero". SAARMSTE 2011. North-West University, Mafikeng, South Africa. January 2011.

Concerts, Exhibitions, Performances, Workshops, Events

Nobongoza-Mkhwanwane, F and Tokwe, N

Spanneberg, R

Distinguished Visitors

Bashman, X
Mr. X Bashman. Anglogold Ashanti Limited, Johannesburg, South Africa. Visit to schools supported by the funder. November 2011.

Chishia, S
Ms. S Chishia. Shishen Iron Ore Company Community Development Trust, Kimberley, South Africa. Sign Memorandum of Agreement and meet staff members of RUMEP, ISEA and CSD. August 2011.

Gray, B

Mamiala, T

Mohapi, S
Dr S Mohapi. UNISA, Pretoria, South Africa. Expresses interest in Rhodes B.Ed program. September 2011.

van der Poel, S and Carstens, C
Ms S van der Poel and Ms Carstens, C. Foschini, Cape Town, South Africa. Funder Visit. July 2011.

Zulu, G
The Public Service Accountability Monitoring (PSAM) is a rights-based research institute affiliated with the School of Journalism and Media Studies (JMS) at Rhodes University. It is committed to the institutionalisation of the right to social accountability and the realisation of social and economic rights through effective management of public resources. It seeks to achieve this by generating debates about, and sharing information on, the right to social accountability and tools that give effect to this right, in South Africa and in the Southern Africa region.

Christelle Hutchinson
Public Service Accountability Monitor
SAIAB is a Research Facility of the National Research Foundation, an Associated Research Institute of Rhodes University and is a major contributor to the training of postgraduate students at the university, particularly those studying ichthyology. The scientists, students, postdocs and Honorary Research Associates at the Institute had a very productive 2011 with 16 projects linked primarily to a Molecular Biology & Systematics focus and 15 addressing Conservation Biology & Ecology themes.

**Postgraduates/Graduations**

A record number of postgraduate students were supervised in 2011, including those who graduated during the year. Altogether 4 BSc Honours, 34 MSc and 21 PhD projects were undertaken or completed in 2011.

**Significant Research Aligned Events**

On the systematics and genetics front a number of important milestones were achieved with respect to the Western Indian Ocean Marine Fish Biogeography programme led by Drs Gavin Gouws, Monica Mwale and Ofer Gon. The first manuscripts resulting from this programme were published or accepted in 2011 and a major funded project within the programme concluded with the submission of the WIOMSA-MASMA final report.

The past year also saw the initiation of a project on climate change modelling for seven shared fisheries species through funding by WIOMSA and led by Drs Monica Mwale and Nikki James. Three MSc student projects were successfully initiated to work on three species within this project, namely Chrysoblephus puniceus, Polysteganus praeorbitalis and Epinephelus andersoni. Additional support from SWIOFP for microsatellite analyses on the genetic stock structure of C. puniceus was also obtained.

Ofer Gon participated in an IUCN Red List Assessment workshop in Palau where marine fishes of the western central Pacific where assessed. An expedition to Marion Island with Mark Lisher took place during April-May and lent support to the view that Notothenia coriiceps has disappeared from the Prince Edward Islands, possibly linked to global warming. Ofer wrapped up the year with a revision of the cardinalfish genus Siphamia, with descriptions of nine new species.

Our two resident Curator Emeritus Associates remained as active and productive as ever. Dr Eric Anderson identified approximately 7000 deep-sea fishes from a 2009 seamounts cruise by the ACEP/ASCLME group aboard R/V Dr Fridtjof Nansen. Dr Phil Heemstra and his wife Elaine are in the final stages of their contributions to the new Fishes of the Western Indian Ocean book, with Wouter Hollemans playing a critical role in the coordination of inputs from ichthyologists all over the world.

It was a particularly productive year for freshwater conservation planning. A major highlight was the launch of the National Freshwater Ecosystem Priority Areas (NFPE) Atlas. As part of the project and for the first time in South Africa’s history, Dr Ernst Swartz coordinated the mapping of fish sanctuaries for the whole country. If these sanctuaries are protected, it is hoped that none of our threatened freshwater fishes will become extinct, whilst at the same time preventing more fishes from becoming threatened. In addition, Professor Paul Skelton and Dr Ernst Swart did a revision on the status of systematic Ichthyology in Africa, providing insights as to why the continent is lagging behind other regions and providing suggestions on a way forward. Dr Paul Cowley leads the Ocean Tracking Network (OTN) project in South Africa. This Canadian-based mega-project aims to deploy automated data-logging devices in all the major oceans to monitor the movements and migrations of marine animals in relation to their ever changing physical environment. SAIAB is the contracted agency in South Africa to deploy and maintain a network of more than 100 acoustic receivers and other data-
logging devices around our coastline.

Although climate change is now a widely accepted phenomenon we are still only starting to understand the impact of this change, especially in the aquatic environment which is less easily studied and monitored. In an attempt to understand the impact of climate change on the South African estuarine, coastal and marine environment, a synthesis of current knowledge in this field was edited by Dr Nikki James from SAIAB and Dr Juliet Hermes from SAEON and involved contributions by 19 authors from 12 institutions. In addition, Dr Nikki James, Professor Paul Skelton, Dr Paul Cowley and Professor Alan Whitfield all made invited contributions to the coffee table book entitled Observations of Environmental Change in South Africa.

During 2011, Dr Alistair Becker, a Claude Leon Postdoctoral Fellow based at SAIAB, concluded his research on the utilization of littoral estuarine waters by fishes. A paper on the spatial distribution and behaviour of fish along the length of the East Kleinemonde Estuary using DIDEON apparatus was published in the Journal of Fish Biology and a third paper on littoral zone fish movements and behaviour appeared in the Journal of Experimental Marine Biology & Ecology.

Undertaking collaborative research to develop the knowledge base necessary to better conserve aquatic biodiversity in Africa is an important role of SAIAB. One such project is the partnership between SAIAB and the University of Namibia in a study on the ecology and management of the Capriv floodplain fisheries. This project is funded under a joint research grant from the NRF-supported South African/Namibia Research Partnership Programme that facilitates joint field research trips and collaborative visits between partners. In August 2011, Dr Olaf Weyl led a 6-week field trip involving a multi-disciplinary research team to Lake Liambezi and the Capriv region floodplains in Namibia and Botswana.
Rhodes affiliated Publications Research Journals in Abstract and/or Full Paper


Siyakula living lab in Dwesa, Eastern Cape. Photo: Sophie Smith