

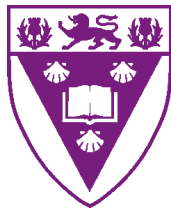


RHODES UNIVERSITY
Where leaders learn

2009

RESEARCH REPORT





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Where leaders learn

Research Report 2009

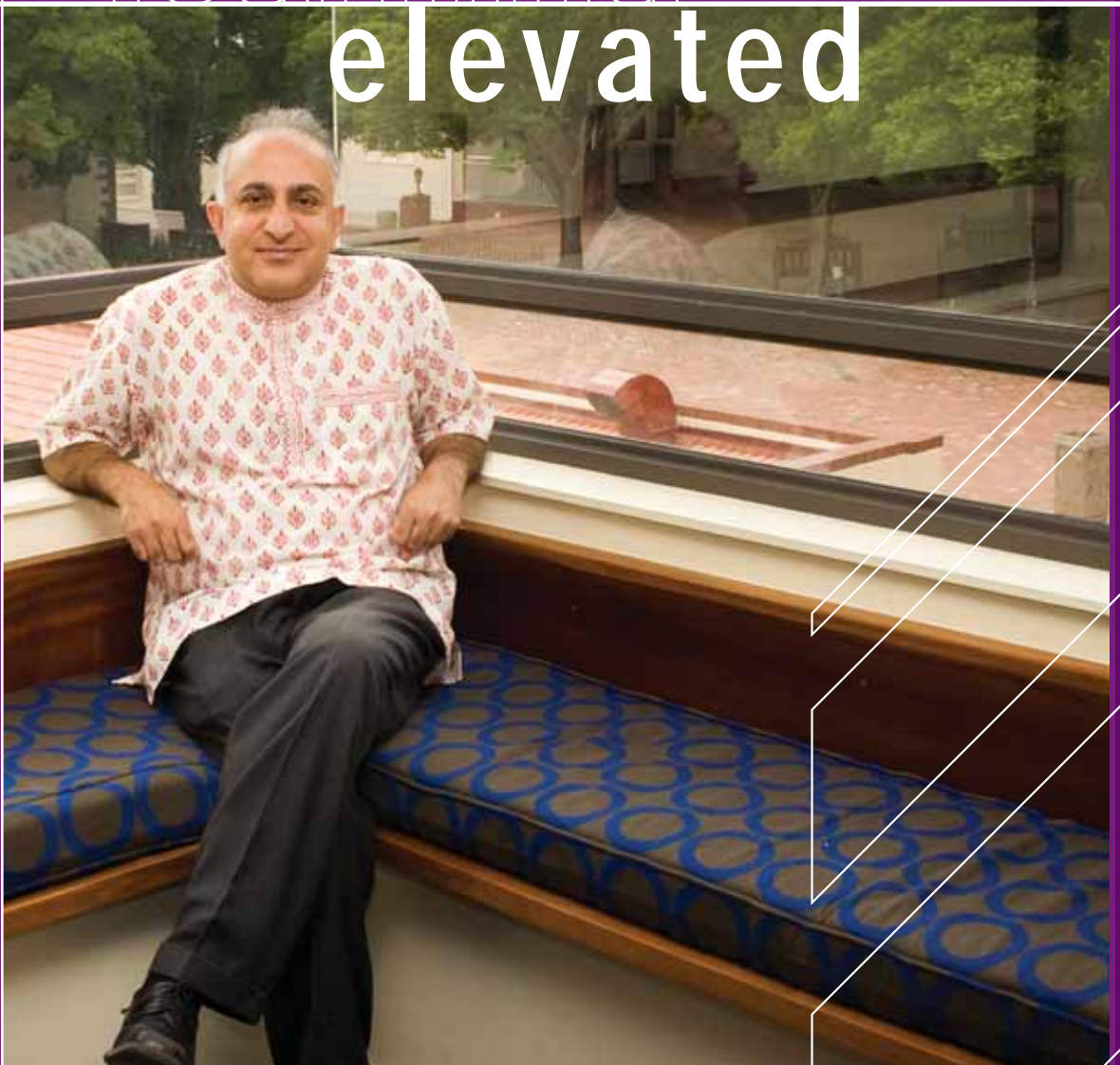
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learning elevated



Dr Saleem Badat
Vice-Chancellor, in the new Library.

foreword

Rhodes University principally exists to serve three fundamental purposes. The first is to *produce knowledge*, so that we can advance understanding of our natural and social worlds and enrich our accumulated scientific and cultural heritage. This means that we “test the inherited knowledge of earlier generations”, we dismantle the mumbo jumbo that masquerades for knowledge, we “reinvigorate” knowledge and we share our findings with others. We undertake research into the most arcane and abstract issues and the “most theoretical and intractable uncertainties of knowledge”. At the same time we also strive to apply our discoveries for the benefit of humankind. We “operate on both the short and the long horizon”. On the one hand, we grapple with urgent and “contemporary problems” and seek solutions to these. On the other hand, we “forage” into issues and undertake enquiries “that may not appear immediately relevant to others, but have the proven potential to yield great future benefit”.¹

As a university our second purpose is to *disseminate knowledge* and to cultivate minds. Our goal is to ensure that our students can think imaginatively, “effectively and critically”; that they “achieve depth in some field of knowledge”; that they can critique and construct alternatives, that they can communicate cogently, orally and in writing, and that they have a “critical appreciation of the ways in which we gain knowledge and understanding of the universe, of society, and of ourselves”. At the same time, we also seek that our students should have “a broad knowledge of other cultures and other times”; should be “able to make decisions based on reference to the wider world and to the historical forces that have shaped it”, and that they should have “some understanding of and experience in thinking systematically about moral and ethical problems”.²

Our final purpose as a university is to undertake *community engagement*. On the one hand this involves our students’ voluntary participation in community projects undertaken through our Community Engagement office. On the other hand, it involves service-learning, in which through academic courses our students and academics take part “in activities where both the community” and *we* benefit, “and where the goals are to provide a *service* to the community and, equally, to enhance our *learning* through rendering this service”.³

This report outlines primarily the knowledge production achievements of the University for 2009, although the other purposes are inherently intertwined with this one. I take pride in hearing Rhodes referred to as a University of Scholars, a reputation which is strengthened by our position as one of the institutions with the highest per capita research output in South Africa.

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- 1 Boulton, G and Lucas, C. (2008) *What are Universities For?* Leuven: League of European research Universities
 - 2 The Task Force on Higher Education and Society (2000) *Higher Education in Developing Countries: Peril and Promise*. Washington: The World Bank
 - 3 Council on Higher Education (2006) *A Good Practice Guide and Self-evaluation Instruments for Managing the Quality of Service-Learning*. Pretoria: Council on Higher Education/Joint Education Trust

Many of Rhodes University's academics, departments, institutes, centres, and units are at the leading edge of research, and are actively advancing knowledge in a range of disciplines and fields. Our women researchers did especially well in 2009 in terms of external recognition. Prof Tebello Nyokong is often deservedly in the national and international media, as the well-recognized DST/NRF Professor of Medicinal Chemistry and Nanotechnology at Rhodes University, and Director of the DST/Mintek Nanotechnology Innovation Centre (Sensors). What she has achieved is quite extraordinary. In May 2009 in Paris,

Professor Nyokong was honoured as *UNESCO-L'Oreal Laureate for 2009 – Africa and the Arab States*, for her contributions to harnessing light for cancer therapy and for environmental clean-up. This was a fitting tribute to a woman who has given so much to the production and dissemination of knowledge, and to the public application and understanding of her work. Later in the year, she was named the *Most Influential Woman in Education and Training* as part of CEO Communication's Most Influential Women in business and government (MIW) awards. Soon after, she received the inaugural NRF President's award of *Champion in Transformation in Research*. The year ended with a motion being passed and recorded in the National Assembly congratulating Prof. Nyokong on her achievements.

At the DST Woman in Science Awards in August 2009, Dr Michelle Cox of the Institute for Social and Economic Research was joint winner of the *Achiever Award for a Woman Researcher in the area of Indigenous Knowledge*, and the runner-up in the *Best Young Women Scientist Award* category was Dr Kim Bernard, an outstanding young Marine Biologist. In September 2009 at a ceremony at the African Union headquarters in Addis Ababa, Dr Lee-Anne McKinnell, a Space Physicist attached to Rhodes and working at the Hermanus Magnetic Observatory, was

awarded the African Union's *Science, Technology and Innovation Sector Prize for Women in the Southern African Region*.

For the national and international impact of their scholarly activities over a sustained period, the winners of the Vice-Chancellor's Distinguished Senior Research Award for 2009 were Professor William Froneman of the Department of Zoology & Entomology and Professor Laurence Wright, of the Institute for the Study of English in Africa. The Vice-Chancellor's Distinguished Research Award (40 and below in age) for 2009 was awarded to Dr Ruth Simbao of the Department of Fine Art, for the international acknowledgement of her work to date. The recipient of the Vice-Chancellor's Book Award for 2009 was Dr Leonhard Praeg of the Department of Political and International Studies for *The Geometry of Violence* (SUN Press, 2007). Rhodes postgraduate students continue to excel in winning prestigious international and local scholarships, including the Rhodes (Oxford), Mandela Rhodes, Flanagan, Commonwealth, and Fulbright.

A new position of Director: Research Office was established in 2009 to enhance the quality of coordination and support to researchers and research partners. The university was fortunate in attracting Ms Jaine Roberts to this position, who came with a strong track record of research management in the health sector, as well as extensive experience in Journalism and Social Development.

I extend my congratulations to all our researchers for making 2009 a year in which research at Rhodes University continued to flourish. Your expertise, rigour and dedication make Rhodes University the vibrant, rich and distinctive intellectual space that it is. I also thank all our collaborators, donors, partners and supporters for their generosity in facilitating our research endeavours.

Dr Saleem Badat
Vice-Chancellor

introduction

Rhodes University maintained and improved its track record of research performance in 2009, a very pleasing trend given that it came directly after a large increase of accredited publication outputs in 2008 of 20.3%, and a flattening of the growth curve was expected. The increase in accredited publication units for 2009 of 6.4% (from 330.02 units to 350.99 units) is closer to the growth rate for the sector as a whole. This continued increase in research publications was achieved against the backdrop of substantial financial constraints and changes in the funding programmes of the National Research Foundation, a primary source of funding for researchers at Rhodes, which produced significant discontinuities in funding for several established researchers.

Our journal output, (which accounts for 86% of our total accredited publishing output for higher education subsidy purposes) grew by 5.1% from 2008 to 2009 (from 287.82 units to 302.64 units). The previous year's growth was 11.3% in this category. Coupled with Rhodes's high volume of accredited journal outputs in relation to its size, a very pleasing quality measure was that 81.6% of Journal outputs (amongst the highest proportions in the sector) appeared in international accredited journals.

Our output from accredited conference proceedings, (which in 2009 amounted to 7% of our total accredited publishing output) shrunk by 27.5% (from 33.22 units down to 24.07 units) from 2008 to 2009 – but from a small base where more year-on-year variance can be expected. This category had grown by 202% in the preceding year, so the 2009 reduction cannot be taken to represent a trend.

The book outputs (which in 2009 amounted to 7% of our total accredited publishing output) increased by 170% – again from a very small base (from 8.89 units up to 24.28 units), where year-on-year variance is expected. This category had grown by 91% in the previous year, but had seen a negative growth of 83% in the year before that. The 2009 growth in this category is a combination of increased submissions, and an improved acceptance rate. The staff responsible for this process in the Research Office, and the researchers who made the submissions, are to be warmly congratulated.

I add my warm thanks and congratulations to all of our researchers, funders, collaborators and partners who contributed to the excellent research results of 2009.

Dr Peter Clayton

Deputy Vice-Chancellor: Research and Development

Professor Ruth Simbao
Photo Credit: Harris Steinman



'Remarkable young scholar' honoured for her research in African Art

Professor Ruth Simbao has me intrigued long before I walk up to the impressive wooden doors of the Fine Arts Department and ring the doorbell. The resumé of this worthy recipient of the Vice Chancellor's Distinguished Researcher Award reflects a level of productivity and success that many academics would be happy to have achieved in a lifetime. With three international Masters degrees (one from Harvard, and two from ICS in Toronto) and a doctoral degree from Harvard, Ruth Simbao is more than suitably qualified for her current position as Associate Professor of African Art History and Visual Culture.

I note that she has studied, taught, and held curatorial positions in the USA, Canada, and Southern Africa, including a curatorial internship at the Art Gallery of Ontario, and a Research Fellowship at the National Gallery of Canada. She has also worked as a freelance art critic, writing for both local and international publications. Locally her criticism has been voted Best Art Writing by the online magazine Artthrob for two consecutive years.

I peruse the substantial list of her research outputs. She is a productive researcher who contributes regularly to African Arts, the leading US African Art Journal published by MIT Press, and she has published several chapters in international books and exhibition catalogues. Her work has been translated into Portuguese, Spanish, and Danish and she has presented her work at numerous conferences around the world.

These, along with her many other achievements and accolades, sketch a profile of a serious and committed academic. One does not come to be called 'a remarkable young scholar', 'a superb interpreter of visual texts' with a 'masterful knowledge of their African contexts' or an 'outstanding candidate' for a research award without exceptionally dedicated and rigorous engagement with one's field. In conversation with Professor Simbao this impression is confirmed but I also discover that her creative scholarship is firmly rooted in an irreverence that simply refuses to take all this seriousness too seriously.

There are several facets to Professor Simbao's 'irreverence' as a researcher. The first relates to fieldwork. During the course of her PhD studies, Professor Simbao spent significant periods of time 'in the field', believing that it

was necessary to experience what was happening 'on the ground in Africa'. For several years she travelled the length and breadth of Zambia, witnessing, studying and sometimes participating in annual cultural festivals. During this time Professor Simbao nurtured an attitude of openness to the unexpected and surprising; tuning in to those moments of subversion (potential or actual) that would usually be overlooked and reflecting on the meaning and implications of the exceptions to the rule of tradition.

'Irreverent research is about tuning in to moments of subversion that are often buried in humour, cloaked in metaphor or protected in performance so that those who allow themselves to be surprised will be able to read between the lines'.

Irreverence has also informed Professor Simbao's broader theoretical approach to the role of tradition and place in cultural/artistic expression. It has Simbao regularly grappling with scholarly trends and ideas and asking difficult questions. A colleague describes Professor Simbao as being "mindful of tradition while working at the cutting edge of criticism" while she herself explains: 'It is about sometimes going against the grain due to conviction, not routine'.

It is irreverence too, which informs her fascination with performance. While a cultural artifact on display in a museum can largely be interpreted in the light of its static physical properties, when it is used in the performance of ritual or ceremony it is open to a much more

nuanced reading. During a cultural festival one sees the object and its role in context – perhaps filled with rain, perhaps held aloft in a dance. It is in its relationship to the body and movement, in performance, that Professor Simbao is most often able to discern the moments of slippage that subvert the more taken-for-granted understandings of tradition.

Professor Simbao's research has given rise to two major projects which she has called *The Promiscuity of Tradition* and *The Audacity of Place*.

The Promiscuity of Tradition

'I argue that tradition is promiscuous, for it seldom behaves as we think it ought to behave—we tend to think it is more about the past than the present or certainly the future'.

Professor Simbao's work challenges various understandings of tradition. For example, one notion is that tradition can be passed on seamlessly and entirely intact from one generation to the next. Another is that tradition is about the past, simply a re-enactment of practices which connect people to their cultural heritage. However, if we take up Simbao's invitation to look at tradition through the lens of performance theory, we find that, in the process of being handed down, tradition is always lived and enacted in the present, with reference to our hopes for the future. In other words, ordinary people are 'constantly engaging with and negotiating their traditions as they perform them', and have always done so.

Professor Simbao's work is full of examples; times when she witnessed and allowed herself to be surprised by an unexpected performance

of tradition: seeing girls at play performing a dance that is usually reserved quite reverently for the male chief; hearing a participant in a ritual to appease the ancestors then hurling abuse at the very ancestors his actions were designed to soothe or watching women bring an offering of beer to a chief, all the while singing songs spiked with criticism about his lack of service delivery and reminding him of his need for his peoples' support.

Contemporary African Art and the Audacity of Place

Much of Professor Simbao's current body of work in Contemporary African Art is associated with notions of 'place', geo-politics, diaspora, and site-specific art, and is acknowledged for its considered challenge of European and North American constructions and distortions of the field.

'Simply put, in this contemporary [international discourse of contemporary art], to talk about Africa as a place—an actual, physical place with physical parameters that mark it as a continent with numerous national borders—to talk of Africa and contemporary African art this way, is somewhat audacious, for theoretically, it is seen to be regressive'.

Professor Simbao's work seeks to find new ways of acknowledging the role of place without taking up an essentialist position. This has drawn her to investigate the effects of movement on and within the African continent. She has particularly focused on the work of artists from other African countries who have moved to South Africa in what has been called the Third African Diaspora.

Professor Simbao is interested in the effects of movement, of (dis)placement and (re)placement, on artists' work. Her argument is that these influences are place-based rather than place-bound. Whilst retaining academic rigour, her work in this regard is frequently instilled with an activist edge, linking it to socio-political issues such as racism, xenophobia, and other forms of stereotyping.

Her most recent work considers the Global South in relation to the contemporary art world, specifically China's relationship to South Africa.

Professor Simbao commented, "Performativity, as an underlying methodological approach, enables me to recognize how tradition and place both misbehave, and it allows me to explore the political and interventionist possibilities of research. It is through the promiscuity of tradition and the audacity of place that I have enjoyed being surprised, and

it is the underlying irreverence of these concepts that enables me to work against stereotypes and to affiliate myself with a particular cause".

It has been suggested that Simbao's success as a researcher can be attributed, at least in part, to her ability to link her on-the-ground African field work with some of the world's leading scholarly thinking. I would argue that even more fundamental to her success is her openness to surprise and her courage in challenging others to be surprised. As the heavy Fine Arts Department door closes behind me and I slowly descend the steps towards the road, I have to acknowledge that she has surprised me too.

– Kim Barker



Second Distinguished Research Award for Top Scientist

In 1999, a newly graduated marine biologist was making his mark as a researcher with the Southern Ocean Group and Rhodes University awarded him the Vice-Chancellor's Distinguished Research Medal.

A mere decade later, William Froneman is a full Professor in the Department of Zoology, the Director of the Southern Ocean Group, and is widely regarded as one of South Africa's most distinguished researchers in the aquatic sciences. His research output is exceptional, both for its meticulous high standards and productivity, and because it makes a significant scientific contribution to not only one, but two major branches of the aquatic sciences. His considerable achievements in both oceanic and estuarine research have earned him the 2009 Vice-Chancellor's Distinguished Senior Research Award as well as the distinction of being only the second person to hold both the 'young' and 'senior' awards.

Research in the Southern Ocean

Since his earliest days as a postgraduate student, Professor Froneman's research career has been closely associated with the vast expanse of circumglobal water around Antarctica, known as the Southern Ocean. One of his key interests has been the ecology and distribution of plankton and their role in food web dynamics. His publications concerning microzooplankton and krill are widely acknowledged as key references, while his papers on phytoplankton particle size structure in the Southern Ocean are considered unique.

However, Professor Froneman has never limited the scope of his research. As one referee puts it: 'From the outset he avoided the known and was attracted by new areas of scientific endeavour'. Today Professor Froneman is one of very few scientists who can authoritatively cover the various technique-specific size ranges including phytoplankton, microzooplankton, zooplankton, and even birds.

Professor Froneman's work has substantially informed current understandings of ecosystem structure and functioning in the open waters of the Southern Ocean and in the vicinity of the ecologically significant sub-Antarctic, Prince Edward Islands. Of particular note in

this regard, is his 2008 co-publication entitled *The Prince Edward Islands: Land-Sea Interactions in a Changing Ecosystem*.

The Prince Edward Islands offer a seasonal home to globally significant numbers of top predators including penguins, flying seabirds, and seals. For the past three decades, as part of the South African National Antarctic Programme (SANAP), members of the Southern Ocean Group have sought to explain the mechanisms of food delivery which sustain these predators in a region than is generally considered to be unproductive. The potential influence of global climate change on the food delivery mechanisms to the top predators on the islands is currently a main research theme of the research group. While much of the evidence presented is preliminary, it is becoming increasingly evident that the marine ecosystem of the Prince Edward Islands is beginning to change in response to global climate change. Professor Froneman's ongoing work involves predicting the overall outcome of the observed global climate change on the island ecosystem with a view to finding ways to protect and preserve the ecosystem functioning and biodiversity of the island ecosystem.

The sheer expanse of the Southern Ocean means that it plays a critical role in absorbing carbon dioxide from the earth's atmosphere and regulating the global climate. In fact, it is the largest active carbon sink on the planet, accounting for approximately 40% of the global carbon uptake. While the marine environment has been able to accommodate the changes in carbon levels for some time, with little apparent effect, the cold Southern Ocean has recently begun to demonstrate the effects of global climate change.

The research conducted in the open waters of the Southern Ocean by Professor Froneman and members of the Southern Ocean Group has documented a range expansion of warm water plankton species toward the high Antarctic in response to the heating of the surface waters. Concurrently, the habitat available to cold water species has decreased. This shift in the community structure of the plankton is likely to be associated with a dramatic change in the ecosystem dynamics of the region and its role in the global carbon cycle.

Estuarine research

About a decade ago, Professor Froneman extended his research interests to include estuarine ecosystems. His estuarine work has focused primarily on the trophic functioning of Eastern Cape estuaries, again with an emphasis on the plankton community.

Prof Froneman is particularly interested in the effects of changes in fresh water inflow into estuarine systems as a result of human activity or natural events such as seasonal rainfall, drought or flooding.

Fresh water inflow is the primary source of the nutrients which promote plant growth in an estuary.

Decreased inflow means a less productive estuary in every sense as salinity levels increase and the marine environment comes to dominate the estuarine ecology. As a result more marine species penetrate the area and the number of fresh water species decreases. Professor Froneman's work addresses the impact of river discharge, and informs scientific justifications for environmental flow regulations.

Academic standing

Professor Froneman is counted amongst the most productive researchers at Rhodes University in terms of both publication output and postgraduate supervision, despite carrying a full teaching load in his department. He has also been extremely successful in attracting research funding for projects that he has initiated, lead, and participated in.

Since 2007 Professor Froneman has been the elected Chairman of the South African Network for Coastal and Oceanic Research (SANCOR). He is also one of the conveners of the South African Marine Science Symposium, which will be held, together with the European based Estuarine and Coastal Sciences Association, at Rhodes University in April 2011.

In recognition of his contribution to the field of climate change, Professor Froneman was invited to chair the session on biogeochemical processes at a 2007 London biodiversity/climate interaction workshop hosted by the Royal Society and Global Environmental Change Committee. He serves on a number of scientific and policy committees, has been invited to referee 32 scientific journals, and is regularly involved in reviewing various local and international research programmes.

Professor Froneman has been awarded the prestigious Meiring Naude Medal of the Royal Society of South Africa for his contributions to science and in 2008 was elected as a

member of the Academy of Science of South Africa. He is a scientist who has consistently demonstrated exceptional research capabilities and a work ethic which has earned him widespread acknowledgement.

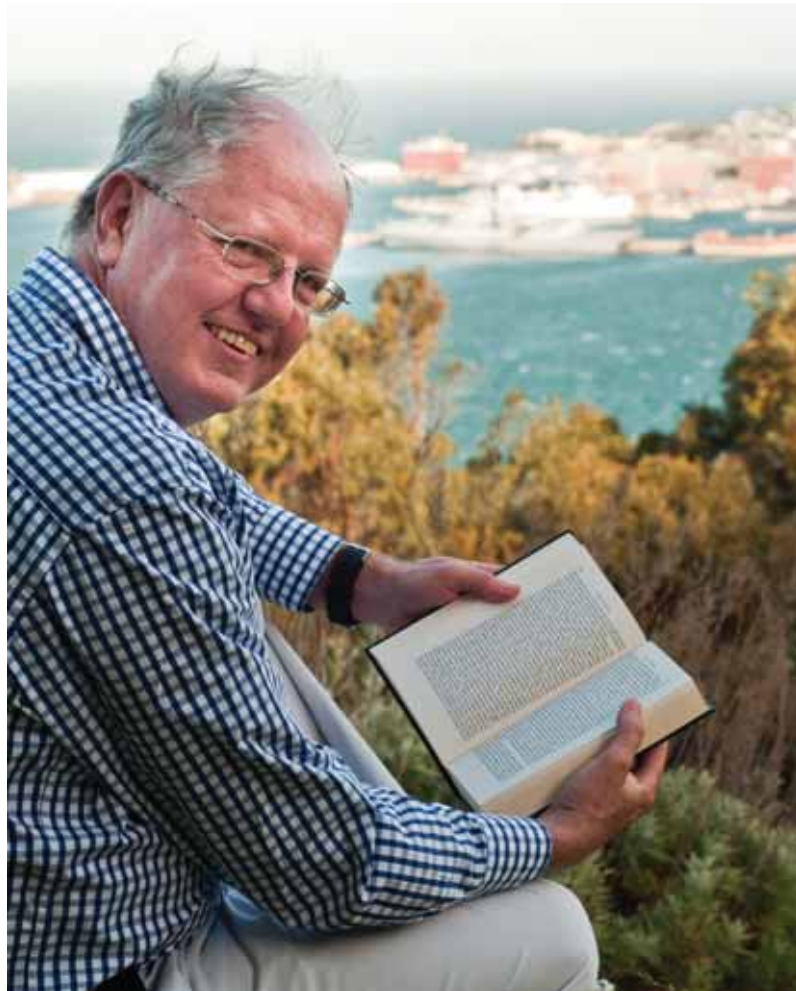
In the words of a fellow research scientist:

'Most scientists would struggle to achieve the recognition that Professor Froneman has achieved in one research field, let alone two. Perhaps this strategy is what has given William the breadth of vision to tackle research questions that others have avoided, and in the process he has made an enormous contribution to our understanding of the functioning of ecosystems as different as the coastal waters around the Prince Edward Islands to the invertebrate community of the Kasouga Estuary. Professor Froneman thrives on new research challenges and Rhodes University, his alma mater, has provided him with the opportunity to explore those challenges in the aquatic sciences.'

–Kim Barker

Professor Laurence Wright

Photo Credit: Jeannie McKeon



Distinguished Researcher Medal for leading literary scholar

Professor Laurence Wright has come a long way since he sat in the legendary Professor Guy Butler's office, as a promising undergraduate student with a career choice dilemma. He was doing equally well in English and Economics and was not sure how to choose between the two for his Honours course. As he tells it, Professor Butler gazed at the ceiling for a long time, chewed his spectacles, and then began doodling on the pad in front of him, before saying very slowly, "I think it is often a good idea in life to do what you think you will most enjoy". English won hands down and Laurence Wright has been doing what he most enjoys ever since.

Currently Professor of English and Director of the Institute for the Study of English in Africa (ISEA) at Rhodes, Wright has forged a distinguished and productive career in this field that he loves. A former Rhodes Scholar and Commonwealth Scholar, he is widely acknowledged as one of the leading researchers in the field of English literary studies in Southern Africa and is certainly the most prominent scholar on Shakespeare in Africa.

His work has drawn accolades from around the world and in 2009 earned him the Vice Chancellor's Distinguished Senior Research Award. For Professor Wright this award is particularly meaningful as the nominations came from his peers: 'I know and value the judgement of the colleagues who nominated me and made the award'. The award is also significant for Wright as the work of the Institute has always had a bias towards practical application – 'it's been very hands on work' – and not necessarily the kind of work that a research award would acknowledge.

During his career, Professor Wright has taken a broad interest in the role of English in South Africa and has initiated a range of projects to promote the use and understanding of the English language. His work has engaged with

language policy and teacher education, literacy across the spectrum, archival research and materials development, all with a strong focus on community engagement and people development.

However, for Professor Wright it was the 'practical' programmes that he initiated and nurtured which became his research laboratory. He maintains that whether you are in the Sciences or the Humanities, the process of trying to effect change in a situation, evaluating your interventions, learning from them, and then sharing what you have learnt with others who would be interested, is an important foundation of good research.

This perspective goes some way to demystifying the academic project. Professor Wright values the collegiality that exists at Rhodes with its flourishing research environment but believes that young academics, particularly in the Humanities, are often inhibited from contributing to the research literature because they are afraid of it. He feels that a strong research support system and mentors who lead the way and guide novices through the writing process are crucial factors in establishing, maintaining and developing the research environment: "It should be a form of apprenticeship to a craft".

It is Professor Wright's strong conviction that the future of Rhodes University is intimately bound up with intensive cutting-edge research across disciplines. "Rhodes is small", he says. "It offers excellent teaching but can't compete with bigger universities in terms of the number of graduates produced. Therefore our only way to maintain our place in the national academic ecology is by focussing on research. The quality of our researchers will draw

students and other academics to Rhodes”.

It is clear that Professor Wright’s personal contributions to scholarship have done just that. One of his referees for the Research Awards puts it like this: “Professor Wright’s powers in collecting – and collaborating with – the work of others mark him as a dynamic force of great prominence. Without the widespread intellectual respect and personal regard he commands internationally, the success of his projects would have been impossible.” Another referee points out that his work has ‘brought lustre to the reputation of Rhodes University as an institution of outstanding scholarship’.

Professor Wright’s work has consistently demonstrated his ‘passionate devotion’ to scholarship, to English, to people and to the development of all three. In acknowledging this, one of his international colleagues concludes: “I have come to regard him as one of your country’s national treasures!” Having begun his academic career at Rhodes some forty years ago, Professor Wright is a prime example of the University’s claim that Rhodes is a place where leaders learn.

Among his extensive list of publications are nine books of which he has been contributor, editor, or major promoter, a further 16 contributions to scholarly books, as well as

over 70 articles in peer reviewed scholarly journals.

One of Professor Wright’s primary research interests at present, is the dissemination of Shakespeare in South Africa since the beginning of the twentieth century. He calls Shakespeare ‘the first truly global artist’ who touched the world in the wake of British colonialism. He is intrigued by the interactions which take place when western cultural ideas represented in Shakespeare meet indigenous cultural ideas in countries such as South Africa.

Professor Wright currently heads an international collaborative research project called ‘The Southern Hemisphere Spread of Shakespeare’. The team includes some 30 researchers from Australia, the United Kingdom, South Africa and New Zealand.

The project’s goals include an extensive programme of periodical publication. A volume of essays, edited by Professor Wright, and published as a special issue of the prestigious *Shakespearean International Yearbook* in 2009 has attracted considerable acclaim. A further collection on the reception of Shakespeare in Australia and New Zealand will appear in a special edition of the journal *Multicultural Shakespeare* to be published in Poland in 2011.

Professor Wright points out that such collaborative work has been made possible by changes in the research environment with the advent of the internet and email. He says, “I have a network of disciplinary colleagues, worldwide, who are at the other end of the internet. As a literary scholar I am also no longer confined to studying documents available in South Africa”. Increasingly, valuable

literary documents are being digitised and it is possible to access these documents electronically. This has dramatically increased the variety and richness of resources available to literary scholars with limited travel budgets!

Professor Wright is also quick to acknowledge the support that Rhodes Library has offered in his research endeavours. He says, "I am particularly grateful to the library staff. They are fantastic and offer a world class service. We are by no means isolated academically." He is delighted with the new library facilities and the upgrading of the library acquisition process and values the support that these services offer to all researchers at Rhodes.

It is striking to reflect on the rich and varied outcomes of the decision that Laurence Wright took nearly four decades ago to do what he would most enjoy. Those outcomes have had real effects in many people's lives, whether they were teachers who became captivated by the intricacies of English literature, learners who were eased into literacy or students whose own careers were established under Professor Wright's mentorship. It is admittedly a small sample size, but the results do seem to suggest that one should never establish a career on anything but that which one enjoys most!

– Kim Barker

Professor Leonhold Praeg

Photo Credit: Sophie Smith



Book Award winner offers a fresh perspective on violence

The Vice-Chancellor's Book Award seeks to recognize a recent book published by a staff member, that advances knowledge and understanding, and also brings undoubted credit to the University by virtue of the contribution it makes to scholarly literature, or the discipline within which it is authored.

Which manifestations of violence in our society disturb you most? What leaves you feeling helpless, and horrified that one human being could inflict such suffering on another? These are the questions that Associate Professor Leonhard Praeg poses to Politics III students in his Collective Violence course. They are also the questions that he confronted in himself when he embarked on his politico-philosophical examination of post-colonial violence in Africa, which culminated in the publication of his book *The Geometry of Violence: Africa, Girard, Modernity*. This book has earned Praeg widespread acclaim and the Vice-Chancellor's Book Award for 2009.

Although Praeg rather dismissively calls his book 'just a long essay', his reviewers would disagree. One describes it as "an important book" in which "the scholarship is handled deftly", and further observes that "The insights gained leave no option but to rethink the manifestation of violence fundamentally". Another reviewer suggests that Praeg "breaks new ground in a number of important respects" and describes his work as "illuminating, fresh and fascinating". A third reviewer writes: "This publication is definitely one of the most important philosophical contributions on the topic to emerge out of the context and concerns of South Africa, and one which speaks to a global audience nevertheless".

Although Praeg's initial training was in continental philosophy, his teaching experience at the University of Fort Hare confronted him with the fact that the values and worldview inherent in this philosophical tradition were not shared by his students. It no longer made obvious sense to him to teach European philosophy in an African context. The crisis precipitated by this realisation became a significant shifting point in his career.

The question, 'What does it mean to study philosophy in Africa?' gave rise to his PhD in African Philosophy at a time when this discourse was very new and unexplored in South Africa. His subsequent work on the politics of philosophy has explored ways of combining philosophical and political questions in an African context.

At the same time, Praeg found himself increasingly traumatised by the extremity of violence in post-colonial Africa. He was haunted by footage of necklacing during the time of the liberation struggle, the spate of family murders in the late 80's and early 90's, and the brutality of the genocide in Rwanda.

He felt philosophically ill-equipped to respond to the questions evoked by such violence and turned to his training as 'an act of self-defence, a means of survival' in order to try to make some sense of it all. Thus, his existential struggle became the focus of his ongoing academic research.

Praeg was appointed senior lecturer in Politics and International Studies at Rhodes in 2003. He grins: 'I think they made a mistake when they appointed me. They thought I was a political philosopher when in fact I was interested in the politics of philosophy'. However, his personal journey through this politics had distinct advantages. It meant that he was not entirely bound by the conventions of political theory and could offer a complex, nuanced and somewhat unexpected perspective on the politics of violence which took as point of departure the question: 'What is it about change, particularly change on a large scale such as the transition from one political order to the next, that brings out the worst in us?'

Praeg found that French philosopher, René Girard's work offered valuable insights. Girard suggests that all forms of collective violence have a sacrificial purpose. When there is dissent or disharmony within a society and the society threatens to fall apart, someone will be blamed for it and through the exclusionary violence of scapegoating, a new

cohesion is achieved amongst the 'non-excluded'.

Girard points out that the scapegoat usually has an 'ambivalent status', meaning that the accusations made about them are plausible but not demonstrably true. It's a matter of truth by consensus rather than truth by fact. Communities are aware of this ambivalence and the sense of collusion accounts for the generative effects of violence.

What Praeg argues in *The Geometry of Violence* is that this sacrificial logic can be identified at every level of society – domestic, communal, state - and suggests that violence is not simply destructive, it also has a generative force. It establishes a community as 'not that'.

For Praeg this research offered a framework for making sense of atrocious violence: 'I had been paralysed and perplexed by these acts of violence and my research put my mind at rest to some degree, knowing that these acts are not random and unaccounted for. There is a logic at work that can help us make sense of the incomprehensible'. That is a comforting thought, but the implications for the future do not seem very hopeful. Does it make it impossible to consider a non-violent future? Will human beings ever respond to difference without violence?

Praeg's answer? Perhaps. Perhaps a time will come when we are able to discourse around difference without being violent. Perhaps this can be achieved by consolidating democracy and a culture of human rights. When we all feel safe in the democracy, perhaps difference will seem less threatening. Perhaps.

But Praeg is moving on: 'I don't want to be

the violence guy'. After the book was published he felt he still needed to tie up a few loose ends in its final chapter so he wrote a paper addressing the hanging issues. After that was accepted for publication in an international law journal, he felt that it was 'enough now'. However, he has been convinced to teach a third year politics course on violence using his book as a pedagogical tool.

His reasoning is clear: 'I like to let students in on my journey - students need to know why we [academics] do what we do. They need to see that I get freaked out by issues, that I don't have the answers, and then see what I do when I don't have all the answers. They need to see me as a person'. Feedback from students indicates that this is a powerfully effective approach, allowing them to connect the theory to their own lives in meaningful ways. It's not surprising that Praeg has a celebrated record as a teacher, and is a past recipient (2006) of the Vice-Chancellor's Distinguished Teaching award.

Praeg's new research interest is the concept of ubuntu and, once again, he began with a question: 'Is there anything beyond the kitsch and sentimental in relation to this hopelessly overused concept?' He believes that there is, but that what is there is complex and strongly connected to identity politics. However, complexity has not deterred him in the past and is unlikely to do so now. At least he feels that

**'ubuntu' is a better fit for him,
temperament-wise, than violence.**

Praeg's giftedness as a scholar refuses to fit neatly into one discipline or theoretical perspective. The result is a fresh and unexpected take on both research and teaching which consistently stretches boundaries. One reviewer concludes: "Praeg has brought a sharp and informed theoretical eye to bear on the unfolding path of history. This is the stuff of the political philosopher's calling and, with this work, Praeg has catapulted himself into the top of these ranks in South Africa. The Geometry of Violence is a book of which this university can be enormously proud."

– Kim Barker

Dr Lee-Anne McKinnell
Photo Credit: Sophie Smith



Theoretical research into ionospheric models has significant real world applications

One of Rhodes University's most lauded researchers is Dr Lee-Anne McKinnell, a joint appointment of the Hermanus Magnetic Observatory (HMO) and Rhodes University, where she is a Research Associate in Physics and Electronics. McKinnell has been actively involved in ionospheric research in South Africa since 1994. Her MSc and PhD degrees were completed at Rhodes University, and she then spent a postdoctoral year in Austria at the Graz University of Technology, before returning to Rhodes as a Researcher in the Herman Ohlthaver Institute for Aeronomy (HOIA). When HOIA was merged with the Hermanus Magnetic Observatory (HMO) in the Western Cape, McKinnell was offered a joint appointment as research physicist in the Space Physics group of HMO, becoming Space Physics Manager in 2007. She is currently Acting Managing Director of HMO.

The ionosphere is the region above the earth's surface in which a high enough percentage of particles are ionized so as to form a plasma. This region affects many aspects of the earth's atmosphere and is especially important in telecommunications and propagation of radio waves. It extends upwards from around 70 kilometres to high altitudes where it merges with the magnetosphere. It is the so-called 'bottomside ionosphere', which stretches from about 90 to 350 kilometres, with which McKinnell's 2009 research is concerned.

This layer is known for its ability to reflect high frequency radio waves, causing problems with GPS, among other systems. The radio waves become bent due to the plasmodic nature of the region, and delays caused by this phenomenon cannot be easily predicted. Speaking to the *Mail & Guardian* newspaper, McKinnell explained the nature of her research as follows.

"Our research project is aimed at producing an ionospheric model that will describe the variability of the ionosphere, helping us to predict the path traveled by radio waves through these layers."

McKinnell's Total Electron Content Model for South Africa, (TEC) is now at approval stage. The ability to have total electron content mapping of this area of the Earth's upper atmosphere is a golden chalice for industries, particularly those such as communications, navigations and defence. In addition, the TEC model will contribute directly to space weather operations over Africa.

Research in this modern day and age goes hand in hand with industry. Without the vital partnerships formed between the two, funding would not be possible. Dr McKinnell's research team works in conjunction with industry partner Grintek Ewation (Pty) Ltd, a South African system engineering company and a major

supplier of communication, intelligence and security products and systems throughout the world.

Currently the team is concentrating on improving the TEC predictability, and is looking towards production of TEC maps that will provide a one-value determination of the variability of the ionosphere. The output from the research is being specifically tailored for incorporation into Grintek Ewation's final product: an accurate ionospheric model of the region. Ongoing collaboration between Rhodes University, HMO and this industry partner is envisaged, where interpretation of ionospheric measurements will be undertaken.

Hannes Coetzee, Senior Engineer at Grintek Ewation, was quoted in the *Mail & Guardian* as saying that,

"McKinnell's research has helped to transform theoretical ideas into real-world solutions, which are now incorporated into all our high frequency (3 – 30MHz) direction finding projects. This research has given us an edge over our international competitors, and has enabled us to win major international contracts."

McKinnell explains that ideas originating from this project have led to new processes and propositions which will benefit South Africa as a whole. A good example of this is the proposal to upgrade the ionosonde network within South Africa. An ionosonde is a special radar for the examination of the ionosphere. Briefly, it consists of a high frequency transmitter, a high frequency receiver, an antenna and the digital control and data analysis circuits. The transmitter emits short

pulses, or chirps, and these are reflected at various layers of the ionosphere. The echos are received by the receiver, and then analysed by the control system, with the results being displayed in the form of an ionogram, a graph which shows reflection height against carrier frequency.

Dr McKinnell manages the Grahamstown ionosonde, as well as the archiving and quality assurance for the South African ionospheric data. She is Chair of the Ionosonde Network Advisory Group (INAG), which is responsible for collecting together information on the analysis of (and maintaining conventions for the reduction of) ionograms. INAG also provides a forum for people interested in obtaining reliable data from ionograms and in preserving the global ionospheric climate record.

Capacity building is one of McKinnell's passions. As she explains, the skills developed within this project are sought after on the open job market, and therefore post graduate students who work on the team are prepared for productive careers. Already having supervised 10 MSc students and one PhD student, all of whom have graduated, she is currently supervising a further five PhD and five MSc students. Comments made by student team members indicate their appreciation for the level of involvement they have had, and focus on the opportunities to present their findings, both at conferences and in the form of scientific papers.

McKinnell's work has been well recognised, both within her field and by outside bodies. In September 2009 she won an inaugural African Union Women Scientist Regional Award in Addis Ababa. McKinnell was awarded the Basic Science, Technology and Innovation Sector Prize for Women Scientists in the Southern African region. The aim of the Awards

Programme is to raise the profile of the science and technology sector in Africa, and the award which Dr McKinnell received is intended to promote participation of African women in science, technology and innovation through equal opportunity and recognition.

Speaking after receiving this accolade, McKinnell said that the award reinforced her belief in her work, and gave her hope that the profile of the research she does at both Rhodes University and HMO will be raised as a result. "The recognition of my work is enormous – it has been an inspiring experience that gives me added energy to pursue my work further."

"Dr McKinnell has an impressive research output record, and is a highly successful mentor of research students, notably from designated groups. She is an acknowledged national and international expert in the fields of Ionospheric Physics and Space Weather, and is widely knowledgeable in the areas of Astrophysics and Space Science," said Dr Peter Clayton, Deputy Vice-Chancellor: Research & Development, on the occasion of the AU award.

In addition, in 2009 Dr McKinnell was the recipient of a Department of Trade and Industry (DTI) Technology Award. These awards recognize individuals who contribute towards technology promotion and innovation in South Africa. McKinnell was nominated by the Technology and Human Resources for Industry Programme (THRIP), which funds part of her research, and her project, entitled 'Ionospheric

Modelling: Phase 5 – Total Electron Content Modelling', won the award in the Advanced Hi Technology category.

As well as her prolific research output – she is the author of some 43 papers published in respected academic journals and conference proceedings, and has made equally as many contributions to conferences at both national and international level – and her role as a Supervisor for postgraduate students, McKinnell involves herself in a range of outreach projects. These include short, practical courses in electronics for local schools, and teaching on academic development programmes for previously disadvantaged scholars. She is involved with a number of influential Boards in the field of Space Physics, including the International Reference Ionosphere (IRI) working group, Commission G (Ionospheric Radio and Propagation) member of the national committee of the International Union of Radio Science (URSI), and the steering committee of the National Astrophysics and Space Science Programme (NASSP).

McKinnell praised the supportive environment at Rhodes University, and cites this as helping her to achieve as much as she has in her career. She believes that the awards she has received show that the University functions as a good environment for research development, providing its researchers with the support they need to achieve their aims. When I ask McKinnell what her plans are for the future, she makes it clear that she is not content to rest on the laurels she received in 2009. "I have a lot of plans for developing my research further. In July 2010 I was elected chair of the International Reference Ionosphere Working group, and would like to do further research in developing accurate global models that include the African region. I am also

involved in marketing and promoting space weather in Africa, and I have a few students who are in the midst of their degrees that I need to see through. In the short term I am committed to HMO as an institution, growing and expanding to meet our mandate, and finding a strategic home for HMO in the Space Science landscape."

The most recent accolade McKinnell has received is to be invited to sit on the inaugural board of the South African National Space Agency (SANSA). Nominated by the Rhodes Research Office for the position, her nomination centred on both her abilities as a space physicist and her work in building capacity in this field. McKinnell says, "I was appointed to the board of SANSA in July 2010, which is very exciting for me, as I can really be a part of the Space Science landscape in South Africa."

On the rare occasions when she is not traveling or working, McKinnell and her husband spend time together with their beloved dogs, enjoying their house and garden. What is clear is that for Dr Lee-Anne McKinnell there is an old adage which holds no meaning. The sky is most certainly not the limit. She has the entire universe to expand into, and she is doing so with a blend of her characteristic humility and brilliance.

– Jean Mckeown



In conversation with Professor Tebello Nyokong's students

Watching Professor Tebello Nyokong round up her students for an interview conjures up the image of a mother hen. She is warm but authoritative, greeting, teasing, getting them organised, and then proudly handing them over to me once they are present and accounted for. However, this is no ordinary scientist, researcher or mother hen.

Professor of Medicinal Chemistry and Nanotechnology at Rhodes University, Nyokong holds a DST/NRF South African Research Chair and is the Director of the DST-Mintek & Nanotechnology Innovation Centre for Sensors. During 2009, amongst various other awards, she received the prestigious L'Oreal-UNESCO award for Women in Science, as a Laureate representing Africa and the Arab States, and she was recognised by the NRF as one of the top three publishing scientists in South Africa. Her pioneering research into photodynamic therapy looks at harnessing light for cancer therapy and environmental clean-up.

What I discover is that the cohort of students and post-doctoral fellows Prof Nyokong has gathered around her is quite extraordinary too. I am interviewing the students at her request. With characteristic humility she has suggested that while her story has been told many times, her students have equally interesting stories to tell.

The seven young people that I meet with (there are 26 members in her group so I limit myself to a small sample) have converged on Rhodes from near and far: Limpopo, Zimbabwe, Nigeria, Germany and Turkey. And their professor was right: while their stories are diverse, each one has travelled a remarkable journey to her laboratory. What Prof Nyokong might not have anticipated is how much their stories say about her.

Sarah D'Souza bravely volunteers to speak first. Sarah is from Zimbabwe but completed her undergraduate studies at Rhodes. She first met Professor Nyokong in first year Chemistry lectures and then during her third year spent time in her lab as an intern. She says, 'Prof Nyokong got me interested in her work, especially the nanotechnology research'. Sarah planned to do Honours at Rhodes and then move on, but Prof Nyokong encouraged her to come back to do her Masters and helped her to secure the funding.

Brian Chiunye, also from Zimbabwe, speaks next. He received his first degree from the University of Zimbabwe, worked for some time

and then travelled to Germany to complete his MSc. On his return to Zimbabwe he did a web search of possible research labs where he could continue his studies. He was impressed by Prof Nyokong's achievements and awards. He also relished the challenge of research with a slightly different focus to what he had experienced in Germany, allowing him to learn new techniques. He managed to secure funding and is getting used to the high standards set by Prof Nyokong. 'You have to work hard to meet her requirements', he says.

Reama George is a lecturer at Obafemi Awolowo University in Nigeria. In 2008 she was awarded a prestigious Third World Organisation for Women in Science (TWOWS) Fellowship. This fellowship allows women scientists from developing countries to study or do research at centres of excellence in other developing countries before returning home to continue their careers. Reama therefore needed to find a suitable supervisor outside of Nigeria. South Africa seemed like a good option and so she did an internet search on 'electrochemistry South Africa'. The first name which came up was Professor Nyokong. Reama had never heard of her but emailed her requesting supervision. Prof Nyokong immediately agreed.

'I should have guessed she was well-known,' says Reama with a grin. 'Why else would her name have come up first?' Reama says: 'She has inspired and challenged me. She has brought so many different young people together and given them the opportunity to develop themselves in Science. Now I want to do the same back home with my own students'. Reama will complete her PhD studies by mid-2011.

Kerstin Strauch and Jane Fagenhauer are on a short-term exchange from Justus-Liebig University in Germany. Their supervisor, Prof. Dr. Derck Schlettwein has various collaborative research projects underway with Prof Nyokong. One important aspect of their collaboration is the opportunity for their students to experience research in a different laboratory. Kerstin finds the working environment here very different to Germany: 'There we each worked in little cubicles. Here we have a big lab where everyone works together. It's a nice atmosphere and we have fun doing our work, which makes it easier.'

Of Prof Nyokong she says, 'She's a fascinating lady. She likes all her students and takes special care of the exchange students. A friend of mine had spent just a week here a while back, but when Prof Nyokong met her again she greeted her like an old friend'. Kerstin also explains how Prof Nyokong feels it is important that foreign students also travel in South Africa and experience something of the culture. A group trip to Addo was arranged for all foreign students in the lab shortly after their arrival in South Africa. Kerstin and Jane have also had a trip to Cape Town. Prof Nyokong has arranged for Kerstin to visit Stellenbosch University in November in order to conduct specialised laser experiments and she will then go back to Cape Town to give a talk at the Nanotechnology Innovation Centre (NIC) conference.

Nkosiphile is the only South African in the group that I am interviewing. He completed his Honours in Limpopo under a former PhD student of Prof Nyokong's, Prof Vilakazi. Nkosiphile wanted to continue his studies there but his Prof was leaving academia for a job with Mintek. She advised him to join Prof

Nyokong's group. He came in 2008 and has already spent time in Germany learning new techniques related to the application of certain photosensitive dyes in solar cells.

He is thrilled that he 'came to the right place'. He points out that the reason there are opportunities and funding for travel is because Prof Nyokong attracts top scientists who want to establish collaborative relationships with her laboratory.

Yasin, the only post-doctoral fellow in the interview group, laughs as he tells me that it is tradition to have one Turkish member in Prof Nyokong's group. He heard Prof Nyokong speak seven years ago in New York. Since then he has looked out for her publications, impressed by the nature and quality of her work. 'That is why I came,' he says. The other attraction was the group. He has worked in research groups before where there was little interaction or support. He shrugs: 'It killed me.' However, everyone that he came across who had spent time in the Chemistry department at Rhodes had only good things to say about the university, Prof Nyokong, their lab mates and Grahamstown.

He has not been disappointed. Grahamstown feels a bit like being on holiday after the bustling city of Istanbul. And what of the group? Yasin has worked in labs in Greece, Russia, Germany, France, Italy, the USA and Canada but is does not hesitate in offering his evaluation: 'This is definitely the best group I have ever worked with', he says.

It is clear that Tebello Nyokong plays a central role in drawing each of these young researchers to Rhodes. I ask what they appreciate most about her:

‘What do I appreciate about her? Her big love, her warmth, her friendliness. She takes the time to teach us.’

‘Everyone is challenged to publish.’

‘She is a very inspiring woman. She has accomplished a lot and she expects a lot – she keeps you on your toes.’

They also agreed that Professor Nyokong has gathered excellent people around her in a support capacity. Gail Cobus, secretary of the department, gets a unanimous murmur of gratitude from the group. ‘She is perfect’ someone says. ‘She can solve any administration problem and she arranges everything from travel to vacuum cleaners’. Another person whose work is appreciated is Edith Antunes. Another student comments, ‘She is a champion in synthesis and knows how to use almost all the equipment.’ What is also significant is that she is also always ready to offer assistance.

This seems to be a characteristic of the group as a whole. Students appreciate the size and diversity of the group as well as Prof Nyokong’s

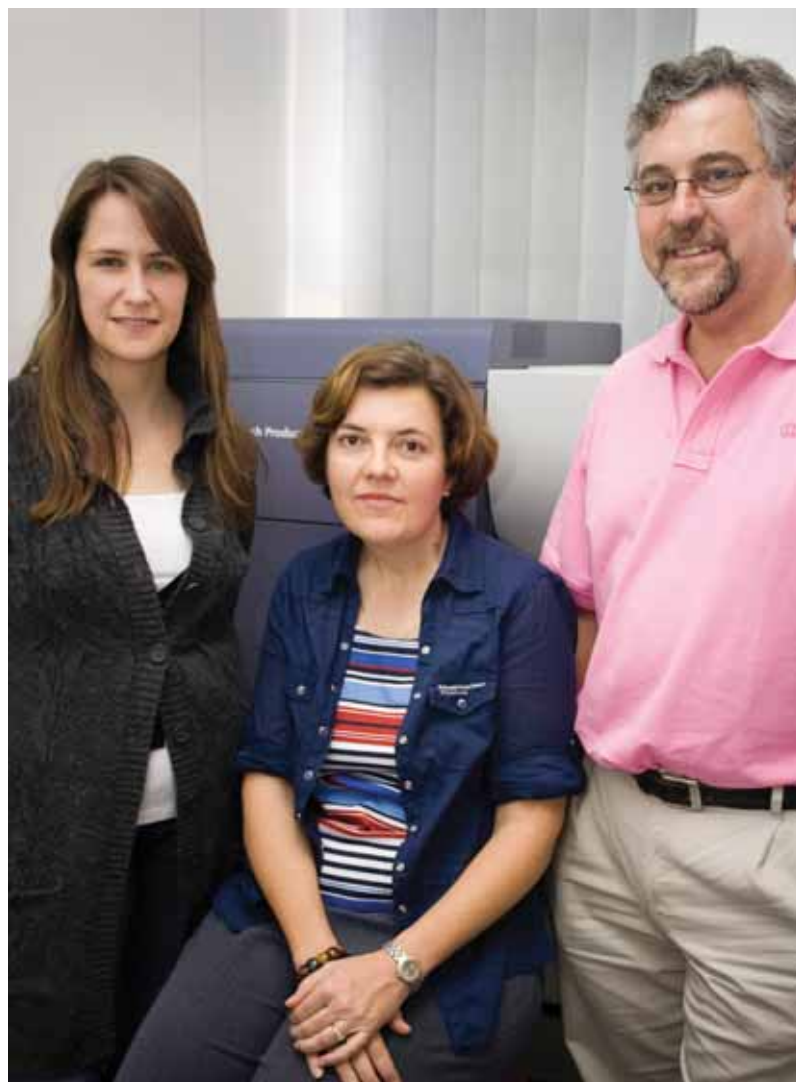
emphasis on the building of relationships between her students. ‘The Prof gets us to socialise,’ says one while another tells me about the regular group seminars: ‘Everyone presents their work and everyone has a say on how things can be improved in each other’s research projects. This allows you to think outside the box of your own research. Also, because you know what others are busy with, it helps you to offer support in the lab’.

It seems that in addition to her considerable intellectual and academic skills, Prof Nyokong has the rather rare skill of drawing people together and forging them into a community. This is why people tend to stay for a long time, creating a sense of continuity and belonging. ‘There are strong bonds here, says Sarah, ‘It feels like a family’.

– Kim Barker

L to R : Dr Adrienne Edkins, Dr Aileen Boschoff and Professor Greg Blatch

Photo Credit: Sophie Smith



BioBRU launches and soars

Early 2009 saw the launch of a research unit at Rhodes that draws together different strands of biomedical research in a unique way.

The Biomedical Biotechnology Research Unit (BioBRU), under the directorship of Professor Greg Blatch, is conducting groundbreaking research with long-term implications for the prevention and treatment of both malaria and cancer. Professor Blatch, who has won international acclaim and numerous awards for his contributions both to biochemistry and biomedical research, is a devoted teacher and mentor as well as a productive researcher, and he has attracted top students and staff members to the unit.

BioBRU is the only research entity in South Africa currently investigating both human parasite infections and cancer with a single, unifying focus: the mechanisms by which molecular chaperones (stress proteins) function to manage stress at a cellular level. Stress proteins function under 'normal' or healthy conditions to maintain homeostasis in the face of stressors such as heat, cold, chemicals, drugs, hormonal changes or UV exposure. However, BioBRU researchers are more concerned with their role in supporting infection and disease processes in humans.

Malaria research

Malaria is one of the primary health challenges facing developing countries, particularly in Africa. It is estimated that over one million people die from malaria annually, with over 90% of cases occurring in Sub-Saharan Africa. *Plasmodium falciparum* causes cerebral malaria, and nearly all malaria deaths result from infection by this species of the parasite.

The survival of this parasite throughout its life cycle depends on highly complex interactions between the parasite and the human host. Cerebral malaria only develops once *P. falciparum* has invaded and established itself in human red blood cells.

One aspect of BioBRU's research is to investigate how it is that the parasite establishes itself so effectively. Their research has already isolated key molecular chaperones in the stress protein machinery of the malaria parasite, and they are studying their

molecular biology in intricate detail. For example, it is now known that, on invasion, the parasite immediately remodels the host red blood cell to ensure its own survival and to allow it to replicate. One of the parasite's primary exports into the red blood cells is a family of Hsp40 stress proteins, many of which appear to be highly specialised. It seems that these heat shock proteins are essential to pathogenesis.

This work has drug discovery as its ultimate aim, although there are many steps still to be taken along the way, and BioBRU researchers are now working to identify compounds that will disable this stress protein machinery. There are already certain potential hit compounds whose effectiveness in this regard are being tested. At the same time they are studying the human stress machinery as they need to identify compounds which, when administered, would selectively inhibit parasite stress proteins while leaving the human host's intact.

This malaria-related research has attracted significant funding to BioBRU in the form of research grants. Some projects were initiated in previous years and have continued through 2009, such as the NRF Niche Area Grant and the NRF Unlocking the Future Grant. However, during 2009 three significant new grants were awarded specifically for malaria-related research.

Firstly, a grant under the NRF-Japanese Science and Technology Agency (JSTA)

Cooperation Programme allows for a three-year collaboration with Prof K Nagata (Kyoto University, Japan) around the characterisation of one of the Hsp40 chaperones. Then, an MRC Project Grant has BioBRU working alongside Prof Heinrich Hoppe (CSIR) and Dr Alexander Maier (La Trobe University, Australia), to further their investigation of the Hsp40s. Dr Maier has already shown that if the Hsp40s are eliminated the parasite does not cause malaria. Ongoing collaborative research continues to investigate why this is so.

Finally, in April 2009, BioBRU was awarded a prestigious research grant by the German Research Foundation (DFG) German-African Cooperation Projects in Infectology Programme allowing for the development of collaborative relationships with the handful of other research laboratories internationally who are doing similar work with stress proteins in malaria. Professor Blatch was also the recipient of an Ernest Oppenheimer Trust Sabbatical Award and an NRF-KIC award which allowed him to spend three months in Germany in the second half of the year developing the collaborative relationships which are crucial to the success of this programme. Dr Jude Pryzborski from the University of Marburg, Germany and Dr Addmore Shonhai (a former PhD student of Prof Blatch's) from the University of Zululand have been closely involved in this project, which will also allow for the exchange of staff and students between the three laboratories.

Stem cells and cancer research

The incidence of cancer is on the rise globally and statistics indicate that one in four South Africans will develop cancer in their lifetime. According to the latest National Cancer Registry (2000-2001), breast cancer is now

the major cancer in women with one in 29 South African women diagnosed each year with this disease. It is currently thought that even a single cancer stem cell (a stem cell which has undergone mutations) can give rise to certain cancers, including breast cancer. However, while the available chemotherapies target and destroy cancer cells they do not kill cancer stem cells. These stem cells are thought to then cause recurrence of tumours and metastases.

Dr Adrienne Edkins currently heads up BioBRU's cancer stem cell research. At present her work involves looking at the role of stress proteins in the maintenance of cancer stem cell characteristics and in differentiation. A further focus is comparing the functions of stress proteins in different organelles within the cell and determining what role they might play in metastases.

In cancers arising from cancer stem cells, it is clear that anticancer treatments can only be effective if the drugs target the stem cells that give rise to the cancer. Therefore a further focus of Dr Edkins' current research is to identify and characterise new chemotherapeutic agents from marine, indigenous plant and synthetic chemistry origins that are able to destroy both breast cancer cells and breast cancer stem cells without destroying healthy tissue.

BioBRU previously received recognition for this work in the form of a funding grant from the Cancer Research Initiative of South Africa (CARISA). This funding has allowed for the



A group of postgraduate/research students

Photo Credit: Stephane Meintjes

establishment of a strategic research partnership between BioBRU and key researchers at UCT and Pretoria University with a particular focus on drug discovery. To date CARISA only funds this and one other research project in South Africa.

In addition, towards the end of 2009, Dr Edkins was awarded NRF funding in her own right through the sought-after Competitive Support for Unrated Researchers (CSUR) Programme. This will allow her to pursue her investigation of cancer stem cells and metastatic cancer.

BioBRU is already internationally recognised for the quality of its members' contributions to the field of biomedical research. And if their achievements during 2009 are an indication of what is yet to come, it is clear that they have the potential to be world leaders in this work.

– Kim Barker



Biodiversity high on the Rhodes research agenda

Early in 2010, Professor Nigel Barker, head of the Botany Department at Rhodes, undertook an analysis of the research outputs of the university. His findings? Practically 23% of published material out of Rhodes University in 2009 dealt with some aspect of biodiversity. These papers emanated from a variety of disciplines including Botany, Zoology, Entomology, Ichthyology, Environmental Science and even a couple from Microbiology, Chemistry and Pharmacy.

One of the multidisciplinary groups at Rhodes looking at biodiversity is headed by Professor Barker himself. The Great Escarpment Biodiversity Programme (GEBP) arose in response to growing interest in the plant and animal diversity of the mountains that make up the southern parts of the Great Escarpment - the Winterberg, the Amatolas, the Sneeuwberg, Nuweveldsberge and Komsberg and Roggeveld. "We just don't know what's out there. There's so much to be discovered," says Barker. "But we have made a lot of progress in the last five years. We keep finding new things!"

One of Professor Barker's PhD students, Ralph Clark, who graduated in 2010, undertook extensive field work in these mountains, identifying the unusual and endemic flora of the region. His work showed how little was known about the biodiversity of this important series of mountains. Clark himself discovered at least 12 new plant species and numerous range extensions of both plants and animals.

It is this type of field work that Professor Barker feels is sadly lacking nowadays: "The age of exploration has ground to a halt. You don't see children out in the bush with butterfly nets and jam jars anymore". Very few researchers actually go out into wilderness areas and collect plant, insect and animal specimens. Part of the problem is that there is little funding available for 'being a naturalist'.

Unfortunately, this has serious implications for conservation management: "We now make assumptions that we know what we have [in terms of plant and animal species]. This information is used to make decisions at all levels of conservation planning, but it is far from comprehensive. For example, we know almost nothing about insect diversity in the Great Escarpment mountains".

For Professor Barker the answer is to 'resurrect a culture of exploration'. We are all aware that the threats to biodiversity are vast and increasing: "We need to get back to basics. We need information about what is there, in order to best conserve it".

Once these basics are in place and species have been identified, it becomes possible to start comparing different populations of the same species. "And this is where the real science starts," says Barker.

This is the kind of science that requires

collaboration across departments and disciplines. Professor Barker and his students have a particularly productive collaborative relationship with Professor Martin Villet of the Department of Zoology and Entomology and his students. The longstanding friendship between the two professors dates back to their own student days at Wits and has given rise to various joint research efforts. Professor Villet says of their work together, "Collaborating is like having an extra brain – and a lot more hours in your day! Oh, and a therapeutic dose of objectivity about one's pet theories."

Both Villet and Barker have a keen interest in historical biogeography and this is one of the areas where their disciplines intersect. Simply put, this is the study of how plants and animals are distributed geographically and the history of how they got there. Key to this work is the genetic comparison of separate populations of the same species, in various geographical locations. This involves extracting and 'reading' their DNA and using the results to build genealogical trees that tell one who lived where and when.

The use of DNA analysis often reveals that what appear outwardly to be identical species in different locations are in fact 'cryptic species' which differ significantly at a genetic level. Researchers then develop models to explain genetic differentiation within and between species.

In looking at the history of movement and isolation of species and the resultant layers of hidden diversity, researchers are particularly interested in the timing of climatic and geological

events which took place historically and which could have influenced the dispersal and fragmentation of species. However, the reconstruction of any history, particularly one dating back millions of years, is complex.

One factor which seems to play a central role in isolation and diversification is the appearance of geographic barriers which prevent interaction of different populations of a species. For example, GEBP scientists are finding that mountaintops are often like islands, with populations of species being isolated from others on different mountain tops. This is thought to relate to the fluctuating expansion and contraction of vegetation belts between mountaintops. Professor Barker calls this 'the tango of migration of vegetation belts' and speaks of the necessity of 'getting to grips with the music of the tango' which follows the rhythm of climatic events.

In a sense, this isolation of mountaintops is to be expected. However, what is more surprising and provides a compelling direction for future research in this area is recent research that Barker, Villet and their PhD student Ben Price have carried out looking at the influence of river catchments and their associated watersheds in driving diversification of terrestrial organisms. Although the idea of catchments structuring the genetic history of aquatic organisms is reasonably well understood, their effect on terrestrial organisms has largely been overlooked, with relevant studies being limited in scope.

For a 'watershed' study, published in 2009, Villet and Price spent nearly three years out

in the field collecting samples of cicadas from around the country. Among the samples were a group of cicadas that all looked similar and, it was thought, could be allocated to one of four species. However, phylogenetic analysis revealed that there were three more species than they had anticipated.

The collaborators went back to investigate the habitat of these cryptic species and discovered that each lineage lived in its own river catchment. What does this mean? The research team suggests that during times of drought, vegetation shrinks back into the river basin where there is more water available. Cicadas feed only on the soetdoring acacia trees (*Acacia karroo*) which are found in areas where there is greater availability of water. Therefore in times of drought the cicadas' habitat shrinks.

For cicadas, long periods of their life cycle take place underground. When they emerge during the warm season, they only live for three to four weeks, during which time they feed and breed. Any migration of the population also has to take place during that short time. Cicadas are therefore unlikely to venture far and, as the range of their food source shrinks, so they become separated from other groups of cicadas effectively preventing interbreeding. Individuals then tend to leave more significant imprints on the population and the lineages become different in subtle ways.

The diversity of these cicadas highlights the importance of catchments and their associated watersheds in driving diversification of terrestrial invertebrates. This is a significant finding which has the potential to inform biodiversity research for the next decade. South Africa presents a perfect test-bed for investigating this mechanism of diversification

due to its rich biodiversity, range of climatic environments and many large river catchments.

The implications for conservation of species are also clear. It is anticipated that in the near future climate change will alter environments in various ways, particularly due to changes in precipitation patterns. Many terrestrial species can be expected to shelter in the shrinking vegetation of river courses and mountain tops. Conservation of catchments and escarpments therefore takes on a renewed urgency and importance.

– Kim Barker

Professor Catriona Macleod

Photo Credit: Sophie Smith



Adolescent sexual and reproductive health research

Much of the research carried out within the social sciences at institutions such as Rhodes University looks at ways of working effectively within all socio-economic groups. The aim is to address their members' specific needs, with the recognition that multiple relations of power, including race, class and gender, among others, intersect within people's lives, creating a complicated web.

Professor Catriona Macleod is Head of Department of the Rhodes University Psychology Department, having moved to Grahamstown to take up the role after overseeing, also as HoD, the transition of the East London campus to Fort Hare University in 2006. She is a B-rated social scientist with the National Research Foundation, and her book, 'Adolescence, Pregnancy and Abortion: constructing a threat of degeneration', published by Routledge, will be coming out in 2011. Her research interests are adolescent sexual and reproductive health, termination of pregnancy and gender issues.

Macleod presented her recent research to an audience of academics and interested members of the community in her inaugural lecture, held in 2009. Her paper, 'Constructing a threat of degeneration: teenage pregnancy in academic and popular rhetoric' examined how the media, academia and government planning organisations are united in a dogmatic pattern of thought which automatically regards the pregnancies of young women in their teens as a social problem. Macleod is in no way denying that teenage pregnancy in specific cases can be a traumatic, process. It is the stigmatisation of all pregnancies in this age group which she is questioning, given that research does not back up the idea that teenage pregnancy equals social degeneration.

"If you look at well conducted research that compares the consequences of early pregnancy and reproduction versus older reproduction...then a lot of research shows that actually the consequences are about the same for both mothers and babies, across the range. Well conducted research shows there to be negligible differences."

Macleod, a soft-spoken woman with a presence greater than her physical stature, outlines what she means by properly designed and conducted research. "You must ensure", she clarifies, that you are "comparing apples with apples. You control for aspects like socio-economic status." There are other factors, such as how much ante-natal care a woman receives, and whether or not she is a smoker, but socio-economic status comes out as the

most important variable in this type of research."

A.T. Geronimus, an American researcher, makes an argument in support of earlier child-bearing in lower socio-economic groupings. Known as Health Weathering, it is based on research which shows that American women in this economic stratum have shorter life expectancy, poorer nutrition, and can expect to spend more of their adult lives ill or caring for somebody who is ill. Having children when your body is younger and stronger can therefore be seen to be a more desired outcome.

Why then, in the light of all this research, is the dominant discourse around teenage sexuality and reproduction so full of the narrative themes of fear and danger? The main argument Macleod makes in her book, and the gist of her inaugural lecture, is to question this constant focus on the negative, and to ask why, if research has shown otherwise, does this paradigm continue to dominate so exclusively?

Macleod answers this question by elaborating on a hypothesis developed by Geronimus - that the narrative of teenage pregnancy as degeneration was designed by, and perpetuated by, the middle-classes, whereby it becomes a narrative that middle-class parents wish their children to hear and internalise. This narrative, however, is not restricted to the middle-classes, but is presented to people in different socio-economic stratum, for whom the tenets do not necessarily remain true. This leads inevitably to a class and race based understanding of reproduction. Macleod, working in a South African context, makes the point in her book that the above holds true, but that it is not the complete story. If you look, she says, to our fundamental

understanding of what adolescence is, a more detailed picture emerges.

'Adolescence' as a transitional phase between childhood and adulthood is a relatively recent phenomenon, 'created' by a theorist called Stanley Hall. Hall wrote a book in 1904 which, says Macleod, "launched the phenomena of adolescence as we know it today." He connected the development of adolescents with the development of civilisation, taking his inspiration from an evolutionary premise, and a key scientific assumption of the time, namely Ontogeny recapitulates Phylogeny. In simpler language, the principle means that the development of the individual precisely mimics the development of humankind from primitiveness to civilisation.

More than a century on, this idea is no longer postulated seriously among developmental theorists; however Macleod argues that the degeneration suggested by that comparison continues to haunt our understanding of adolescence. There is, she says, also a very strong gendered aspect to this. In this paradigm, 'adulthood' is a goal that one is moving towards, and too often that goal is still that of the white middle-class male, living in a house with 2.4 children and a dog, in a liberal-democratic society. Females are excluded from this goal simply by virtue of being female.

Macleod points out that 'teenage pregnancy' as a perceived threat to societal order is, like adolescence, a relatively new concept. So new, in fact, that Macleod regards the late 1970s as being the point at which the term, and its associated imagery and narrative, reached the public consciousness in this country. Prior to this, the big fears were unwed mothers and illegitimate children. Somewhere around the time of the Vietnam War and the era of hippies and free love in the United

States, these two concepts collapsed into one – the 'teenage pregnancy'. This term was considered to place less of a value judgement on the women concerned, which is a debatable point.

Macleod is also embarking on a SANPAD funded project to look at sexuality education in Life Orientation classes. She is the author of the journal article, published in the Journal of Health Management in 2009, which provides the basis for this research and which is entitled 'Danger and Disease in Sex Education: the saturation of 'adolescence' with colonialist assumptions'. Life Orientation has been introduced as part of the Outcomes Based Education (OBE) system, and has a participatory approach. In preparation for this research Macleod has scoured the Life Orientation manuals, which are set out in the OBE style of presenting scenarios, encouraging teamwork and discussion, and other participatory styles of pedagogy.

One of the overt aims of the class is to debate gender issues. But, says Macleod, within it all, if you unpick and deconstruct what is being said, the old narrative of danger and disease comes through very strongly. Early reproduction is bad for you, it will destroy your life and that of your children, and of course, there is HIV... In the manuals, fear takes the place of desire. There is no positive message of teenage sexuality. In the abstract of her journal article, Macleod writes;

"Authors of these books draw on the newly adopted educational philosophy in South

Africa, outcomes based education...Given that these texts were conceptualised and written relatively recently and that they draw on the latest thinking in education, they represent, in a sense, a case study of recent sexuality education in the postcolonial world."

Using a narrative lens in the analysis of the material, Macleod found that "all but two of the manuals analysed featured danger and disease as guiding metaphors." Additionally, despite the material being structured in ways which, overtly at least, encourage discussion and debate, the danger metaphor was used specifically in relation to both early pregnancy and abortion, while the metaphor of disease (in this case STDs including HIV) was invoked as a spector in regard to non-hetero-normative relationships.

As mentioned earlier, Macleod does not deny that pregnancy, for a greater or lesser number of individual teenagers, can be a difficult experience. How, though, to distinguish between these young women and those who are not affected in this way? In her inaugural lecture Macleod cited Department of Health statistics that illustrated that the vast majority of women presenting for TOP are over 18. In light of this, she suggests the need to remove the age factor, and recommends dropping the term 'teenage' and instead engaging with the term 'unwanted pregnancy' to deal with this societal issue. This, she says, opens up the space 'for understanding how women in similar circumstances face similar dilemmas, difficulties, barriers and possibilities around reproduction.'

Appreciation for Macleod's commitment and work extends far beyond Rhodes University. Having come across her academic publications, the World Health Organisation (WHO), in collaboration with the South Africa

Department of Health (DoH), approached Macleod and commissioned her to produce two significant official documents to be used in the DoH's comprehensive preventative and promotion efforts when it comes to reproductive health amongst young women. With quiet humour Macleod confessed to being somewhat surprised at being approached, commenting that it indicated to her that academic publications are not, in fact, read only by "grey academics".

The first of the commissioned documents is a comprehensive review of South African research on teenage pregnancy, along with a further review of interventions reported globally. Input from key informants is also included. This review formed the basis of the second document, entitled 'Strategy Framework: Sexual and Reproductive Health among Adolescents; comprehensive prevention and promotion strategies.' In her input, Macleod recommended that the DoH adopt both a human rights perspective and a nuanced approach to understanding adolescence pregnancy in context.

Macleod's forthcoming book is dedicated to her sons, Liam and Aidan; her inaugural lecture she dedicated to her husband, John. The little free time she has she spends with her family playing games, reading books, playing tennis, swimming and socialising. However, even during these activities a little bit of the brain power of one of Rhodes University's foremost researchers is always working to find ways of de-stigmatising young women who find themselves in the position of being pregnant, and planning to ensure they receive the health care and support which makes such a vital difference to the impact reproductive issues have on their lives.

– Jean Mckeown

Top Researchers: Acknowledgements

Rhodes University acknowledges, congratulates, and thanks the following high achievers for their accredited research outputs in the 2009 academic year.

Researchers were assessed using the 2009 audited Department of Higher Education and Training (DHET) accredited outputs which include journal and conference papers, books and book chapters, and research students graduated.

Professor Nigel Barker
Department of Botany

Professor Greg Blatch
Department of Biochemistry, Microbiology & Biotechnology

Professor William Froneman
Department of Zoology and Southern Oceans Group

Professor Martin Hill
Department of Zoology & Entomology (Entomology)

Professor Izzy Kanfer
Department of Pharmacy

Professor Russell Kaschula
School of Languages (African Languages)

Professor Heila Lotz-Sisitka
Department of Education (Environmental Education)

Professor Catriona Macleod
Department of Psychology

Dr Lee-Ann McKinnell
Department of Physics

Professor Christopher McQuaid
Department of Zoology & Entomology (Marine Biology)

Professor John Moore
Department of Geology (Exploration Geology)

Professor Chris Mann
Professor of Poetry and Institute for the Study of English in Africa

Professor Tebello Nyokong
Department of Chemistry (Medicinal Chemistry & Nanotechnology)

Professor Brett Pletschke
Department of Biochemistry, Microbiology & Biotechnology

Professor Sarah Radloff
Department of Statistics

Professor Charlie Shackleton
Department of Environmental Science

Professor Nelson Torto
Department of Chemistry (Analytical Chemistry)

Professor Malvern van Wyk Smith
Department of English

Professor Martin Villet
Department of Zoology & Entomology (Entomology)

Professor Rod Walker
Department of Pharmacy

Dr Swantje Zschoernack
Department of Human Kinetics & Ergonomics

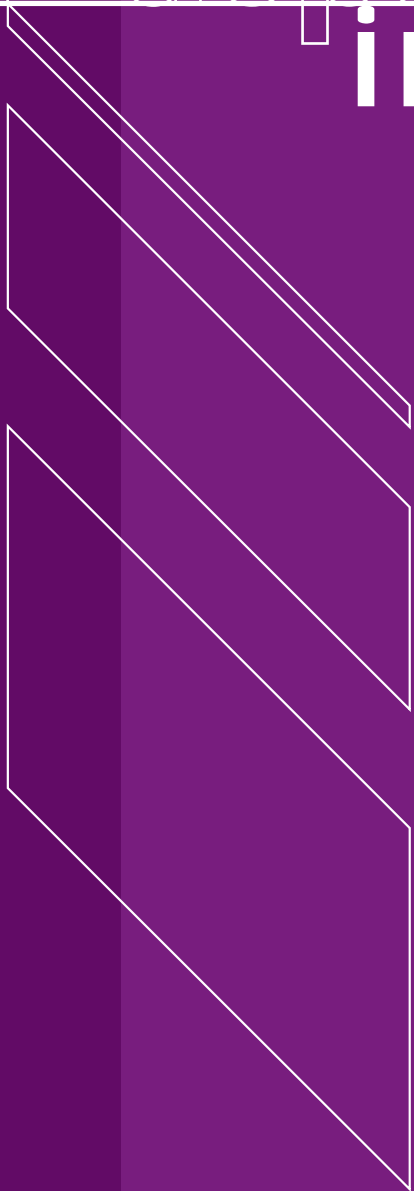
Publications from the Vice-Chancellorate

Publications Research Journals

Badat,S

*Badat,S. "Theorising institutional change: post-1994 South African higher education". *Studies in Higher Education*. 2009. 34(4),455-467.*

departmental **index**



A collage of images related to accounting and business. The top left shows a close-up of a yellow pencil and a silver pen resting on a document with a pie chart. The top right features a close-up of a calculator and a document with financial calculations. The bottom right displays a 3D bar chart with a glowing blue arrow pointing upwards, overlaid with a line graph. The background is composed of various shades of blue and white geometric patterns, including chevrons and vertical stripes.

The image is a vertical collage with a blue and white color scheme. At the top left, there's a close-up of a yellow pencil and a silver pen on a document. To the right, a calculator is shown with a pen resting on it, which is placed over a document with financial figures like '31142.45', '3542.55', '1352.14', '2100.36', '854.94', and '38992.44'. The year '2009' is written in large, bold, blue numbers across the middle. Below this, the word 'Accounting' is written vertically in a white, serif font. On the right side, there's a 3D bar chart with a glowing blue arrow pointing upwards. The bottom right corner features the Rhodes University logo, which is a shield with a cross and the text 'RHODES UNIVERSITY' and 'Where leaders learn'.



Department of Accounting

The Department of Accounting continued to develop its research profile in 2009. The following is a list of highlights for 2009:

Staff achievements:

Lilla Stack continued to serve as Extraordinary Professor at the University of Pretoria and acted as supervisor to their staff members pursuing doctoral studies. Lilla was also responsible for the course in research methodology and design and the three research based postgraduate courses in the department. Lilla chaired and provided guidance to a group of tax academics from most of the universities in South Africa who met to discuss problems relating to assessing and supervising master's and doctoral theses.

Matthew Lester continued to lecture on taxation issues to a wide audience around the country and acts as advisor to the Commissioner for Inland Revenue. He continued to write a weekly column for the Business Times. Matthew presented the annual income tax update offered by the South African Institute of Chartered Accountants.

Mark Bunting continued to publish his text book on financial reporting in South Africa. The book is gaining in popularity and is also being bought by certain audit firms.

Lilla Stack, Mark Bunting, Jenni Pretorius, Peta Bezuidenhout and **Evan Ford** all presented papers at the Southern African Accounting Association (SAAA) regional conference in September 2009. These staff members presented eight of the 11 papers presented at the conference. Mark Bunting won the Best Paper Award and Evan Ford the Best Emerging Researcher award.

Peta Bezuidenhout also presented her paper at the eLearning Africa Conference in Dakar and the EduLearn09 conference in Barcelona in July 2009.

Lilla Stack, Jenni Pretorius and Peta Bezuidenhout all served on the East Cape regional committee of the SAAA.

Johan Hefer presented a paper at the First International Conference on Accounting and Finance at the University of Namibia. **David Rosenberg** was commissioned by Oxford University Press to review the textbook "*Principles of Management Accounting*".

The Department also had the following Postgraduate students:

PhD - 1
Masters in Taxation - 19
Masters in Commerce - 1
Postgraduate Diploma in Accounting - 56
Postgraduate Diploma in Taxation - 2

BCom Honours with specialisation in Financial Accounting - 1
BCom Honours with specialisation in Management Accounting - 14.

The numbers of postgraduate students graduating in 2009 included:
Masters in Taxation - 1
Postgraduate Diploma in Accounting - 32
Postgraduate Diploma in Taxation - 13
BCom Honours in Financial Accounting - 3.

Associate Professor John Williams
Head of Department

Books/Chapters/Monographs

Bunting,MB

Bunting,MB. "Financial reporting in South Africa 8th Edition". Sevenoaks, Kent, United Kingdom. First Edition. 2009. ISBN: 0-620-2977-0.

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

Local Conferences

Bezuidenhout,LP

Bezuidenhout,LP. "Creating a virtual classroom: evaluating the use of online discussion forums to increase teaching and learning activities". *Southern African Accounting Association Biennial Eastern Cape Regional Conference*. Green Fountain Farm Resort, Port Alfred. South Africa. September 2009.

Bunting,MB

Bunting,MB. "The unit of account: an intractable conceptual framework problem?". *Southern African Accounting Association Biennial Eastern Cape Regional Conference*. Green Fountain Farm Resort, Port Alfred. South Africa. September 2009.

Pretorius,J

Pretorius,J. "Student feedback on the implementation of self-assessed mini tests during their tutorial periods". *Southern African Accounting Association Biennial Eastern Cape Regional Conference*. Green Fountain Farm Resort, Port Alfred. South Africa. September 2009.

Rosenberg,D, Stack,EM, Ford,E and Loubser,L

Rosenberg,D, Stack,EM, Ford,E and Loubser,L. "Free cash flow: the case for an international financial reporting standard". *Southern African Accounting Association Biennial Eastern Cape Regional Conference*. Green Fountain Farm Resort, Port Alfred. South Africa. September 2009.

Seedat,I and Stack,EM

Seedat,I and Stack,EM. "A comparison of Islamic banking principles and microfinance in promoting the growth of micro-enterprise growth". *Southern African Accounting Association Biennial Eastern Cape Regional Conference*. Green Fountain Farm Resort, Port Alfred. South Africa. September 2009.

Stack,EM

Stack,EM. "Factors contributing to the success of accounting students at a South African university". *Southern African Accounting Association Biennial Eastern Cape Regional Conference*. Green Fountain Farm Resort, Port Alfred. South Africa. September 2009.

International Conferences

Bezuidenhout,LP

Bezuidenhout,LP. "Creating a virtual classroom: using discussion forums to increase teaching and learning activities". *2009 eLearning Africa*. Hotel Meridien, Dakar. Senegal. May 2009.

Bezuidenhout,LP. "Creating a virtual classroom: evaluating the use of discussion forums to increase teaching and learning activities". *EduLearn09*. Princess Sofia Hotel, Barcelona. Spain. July 2009.

Hefer,J

Hefer,J. "The perceptions of Registered Auditors in small practices regarding the cause of the ethical problems being experienced in the profession and the actual ethical problems they encounter". *1st International Conference on Accounting and Finance*. Safari Hotel, Windhoek. Namibia. July 2009.

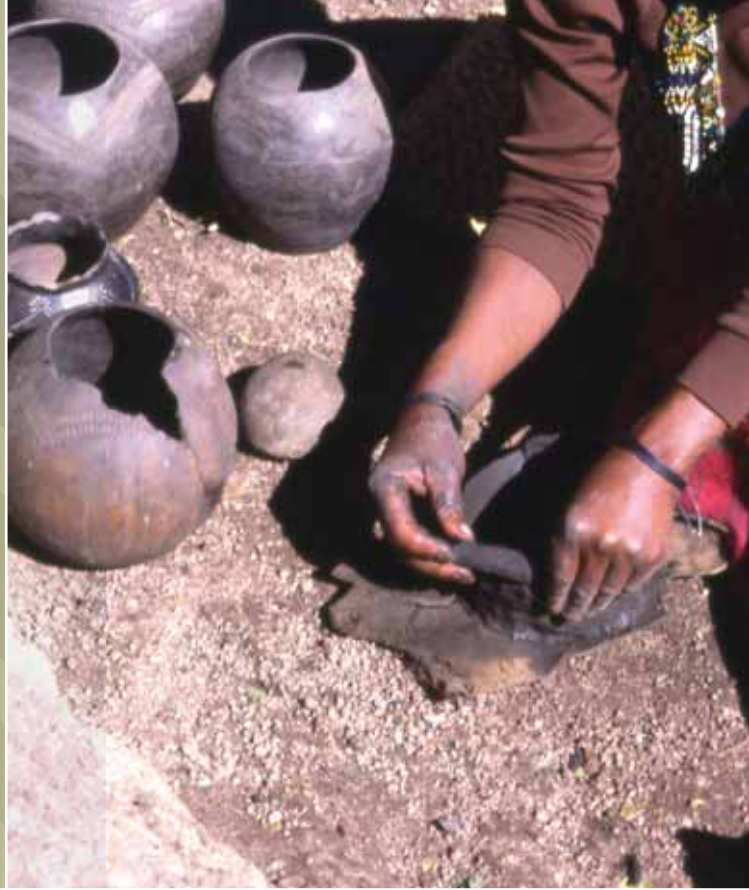
Distinguished Visitors

Lester,M

Professor M Lester. Department of Accounting, Grahamstown, South Africa. *Business forum*, 10 June 2009: tax and economic scenarios. Jun - Jul 2009.



2009



Anthropology



RHODES UNIVERSITY
Where leaders learn

Department of Anthropology

Professor Robin Palmer, Head of Department, devoted most of his time to managing an unexpected resignation and its sequels, including the postponement of his sabbatical scheduled for the second semester. In the event, his only research activities for the year were a field trip in September with postgraduates from the Computer Science departments of Rhodes and Fort Hare to monitor progress at the *Siyakhula Living Lab* project on the Wild Coast of the former Transkei, and his Inaugural Lecture. The Lecture was entitled: Challenges for South African Anthropology in the 3rd Millennium and it drew on his ongoing research at the site.

<http://eprints.ru.ac.za/view/types/conference=5Fitem.html>

Professor Chris de Wet finalised the text of various book chapters and a journal article that were in the process of publication. Three book chapters and a journal article were published in 2009, with two book chapters to appear in 2010. De Wet also continued fieldwork in the Keiskammahoek area of the Eastern Cape, participating in and documenting various key aspects of the ritual process in a family that he has been closely involved with for the last thirty years, and wrapping up the necessary fieldwork for the book he started preparing during his 2008 sabbatical on the history of change

in the settlement where he has been working since 1978. He participated in two international conferences. He was co-organiser of a conference on *South Africa under Globalization*, held in New Delhi, India in November 2009, and he delivered one of two keynote addresses at a conference on *The Role of the State in Population Movements*, held in Rovaniemi, Finland, in October 2009.

Associate Professor Rose Boswell initiated and facilitated a workshop for the Humanities Academic Publishing Project (HAPP) at Rhodes University. This is an initiative she designed to

improve publication outputs in the faculty and to develop the capacities of emerging researchers. Thereafter she proceeded with postdoctoral fieldwork for the Organisation for Social Science Research in Africa (OSSREA) in Madagascar, where she investigated the role of women in cultural heritage promotion and management. The research contributes to a broader comparative project on gender, heritage and tourism in the southwest Indian Ocean region. After fieldwork in Madagascar, she attended an international meeting convened by the Mauritius Government for their Truth and Justice Commission after which she was asked to design and lead a collaborative project (involving nine international researchers) on: *Racism Discourse, Policy, Practice and Experience in Mauritius*. In January 2009 Boswell was also commissioned to and wrote a book chapter on heritage and identity in the southwest Indian Ocean for *The Cultures and Globalization Series, Volume 4 (Heritage, Memory, Identity)* published via the UCLA Center for Civil Society. She also completed another chapter for a book entitled: *Eyes across the Water: Navigating the Indian Ocean* edited by Isabel Hofmeyr and Pamila Gupta at Witwatersrand University. Both chapters will be published in 2010. Finally, in November 2009 Boswell was commissioned to do research for the *Super-diversity South Africa* project implemented by Steven Vertovec at the Max Planck Institute in Germany. This will involve research on women's identities and heritages as well as the influence of globalization on Muslim identity in the Western Cape Province, South Africa.

Ms. Penny Bernard used 2009 to complete and submit her PhD Thesis on the phenomenon of water spirits in southern Africa and their role in the "calling" of traditional healers.

Ms. Joy Owen was provided with four months leave under the auspices of Mellon and WASA funding for October/November 2009 and February/March 2010. During the October/November 2009 period Ms Owen has worked consistently on the production of two scholarly chapters that deal with the conceptual

framework for her dissertation and the history of African migration. These two chapters are foundational chapters as they provide the conceptual and theoretical context for the rest of the thesis. Ms Owen also completed a further **reflexive** chapter that details her fieldwork in Muizenberg.

During the year Ms Owen escorted the Honours students on a fieldtrip to Port Elizabeth as part of her co-taught course on transnational migration (with Ms Barbali); and she also provided a commentary on an ASA article that dissected the status quo in South African anthropology. In 2009, Ms Owen's focus has been on the completion of her thesis; this has taken precedence over the production of further research articles.

Research Associate Mr. Andrew Ainslie was awarded funding by the Oppenheimer Fund to enable him to take up a two month fellowship (Mar-Apr 2009) at the African Studies Centre at the University of Oxford. In March 2009 he examined a M.Soc.Sc thesis in Development Studies. (Fukweni, Nondumiso. Dynamics of Development Intervention, the Case of Peddie, Eastern Cape) for the Fort Hare Institute of Social and Economic Research, University of Fort Hare. Ainslie also reviewed a series of papers for the: *African Journal of Range and Forage Science* (2010). "The shift from domestic livestock to wildlife-based land use in South Africa and Namibia, 1970-2008" by Scholes, R.J., Grossman, D & J. Barnes; *Development Southern Africa* (2009). "The impact of implementing a national rangeland policy on local areas: The case of the 'shrinking commons' in the Lake Ngami grasslands of the Ngamiland District, Botswana"; *Development and Change* (2008). 'The dynamics of real markets: Cattle commodity chains in southern Zimbabwe following land reform', and the *African Journal of Range and Forage Science* (2008). "Communal area grazing strategies: Institutions and traditional practices."

Professor Robin Palmer
Head of Department

Books/Chapters/Monographs

De Wet,CJ

De Wet,CJ. "Contested space or common ground? Perspectives on the displacement and resettlement debate in India". In: *Beyond relocation: the imperative of sustainable resettlement.* Sage. New Delhi. First Edition. 2009. 83-101. ISBN: 9788132100874.

De Wet,CJ. "Does development displace ethics? The challenge of forced resettlement". In: *Development and dispossession: the crisis of forced displacement and resettlement.* School for Advanced Research Press. Santa Fe. First Edition. 2009. 77-96. ISBN: 978-1-934691-08-3.

De Wet,CJ. "Why do things often go wrong in resettlement projects?". In: *Moving people in Ethiopia: development, displacement and the state.* James Currey. Oxford. First Edition. 2009. 35-48. ISBN: 978-1-84701-613-3.

Publication Research Journals in Abstract and/or Full Paper

De Wet,CJ

De Wet,CJ. "Continuity and change over sixty years at household level in a rural South African village". *Africa Review.* 2009. 1(1),55-71.

Hartnack,AMC

Hartnack,AMC. "An expose ethnography of Zimbabwe's internally displaced ex-farm workers: practical and ethical dilemmas". *Anthropology Southern Africa.* 2009. 32(3&4),117-127.

Hartnack,AMC. "Transcending global and national (mis)representations through local responses to displacement: the case of Zimbabwean (ex-) farm workers". *Journal of Refugee Studies.* 2009. 22(3),351-377.

Other Publications

De Wet,CJ

De Wet,CJ. "Book review: *Gaining ground: 'rights' and 'property' in South African land reform* by D. James (Routledge-Cavendish)". In: *Journal of the Royal Anthropological Institute.* Coleman, S (Ed) Blackwell. London. 2009. 15(3), 648-649. ISBN: 1359- 0987.

Owen,JN

Owen,JN. "Commentary on Messrs Petrus and Bogopa's commentary 'South African anthropologies at the crossroads: a commentary on the status of anthropologies in South Africa'". *Anthropology Southern Africa.* In: *Anthropology Southern Africa (special edition: knowledge contents).* Green, L (Ed) Forum Press. Boordfontein, South Africa. 2009. 32(1 & 2), 90-91. ISBN: 0258-0144.

Palmer,R

Pade,C, Palmer,R, Kavhai,M and Gumbo,S. "Siyakhula living lab: baseline study report. Rhodes University and University of Fort Hare, April 2009".

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

Local Conferences

Owen,JN

Owen,JN. "The face of transformation: real students, real issues". Risk and resilience in higher education. University of Johannesburg, Johannesburg. South Africa. November 2009.

International Conferences

De Wet,CJ

De Wet,CJ. "The state, involuntary resettlement and unintended agency: some reflections from Southern Africa". The role of the state in population movements: the circumpolar north and other periphery regions. Arctic Centre, University of Lapland, Rovaniemi. Finland. October 2009.

De Wet,CJ. "Co-organiser of the conference". South Africa under globalization: issues in foreign policy and development. Jawaharlal Nehru University, New Delhi. India. November 2009.

Concerts/Exhibitions/Performances/Workshops/Events

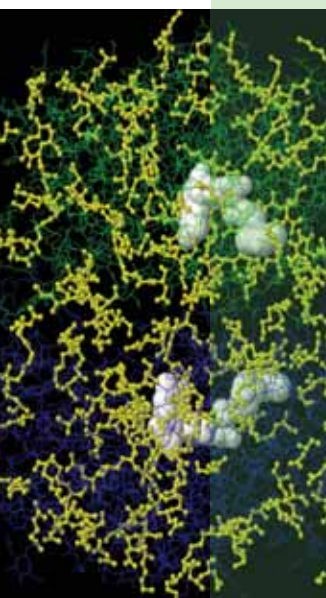
Boswell,MJR

Boswell,MJR. Student and staff. "Humanities academic publishing project". Humanities academic publishing project workshop. Rhodes University. Grahamstown, South Africa. 15 - 19 June 2009.

International Visit

Boswell,MJR

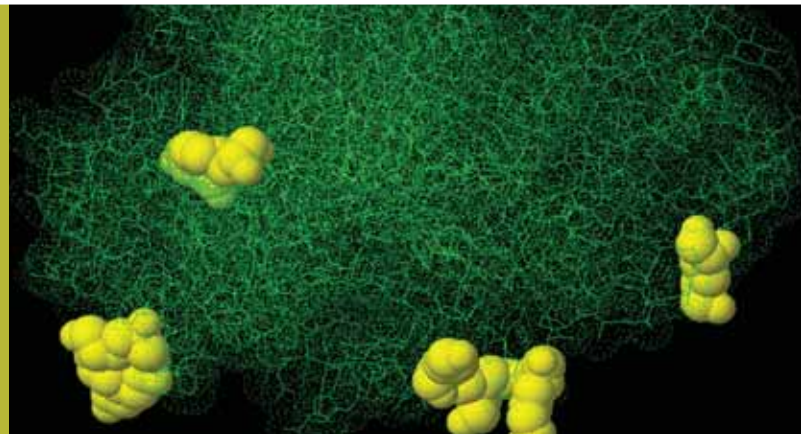
Boswell,MJR. University of Mauritius, Reduit, Mauritius. Presentation of research proposal to the Mauritius Truth and Justice Commission and to the University of Mauritius. 21 - 23 July 2009.



2009



Biochemistry, Microbiology & Biotechnology



RHODES UNIVERSITY
Where leaders learn

Department of Biochemistry, Microbiology & Biotechnology

The highlight in research was the R5.5m multidisciplinary research contract with PlantBio Trust and Departments of Process Engineering and Microbiology at Stellenbosch University; the research programme is lead by **Prof Whiteley**.

The research focuses on bio-prospecting with eukaryotic enzymes (yeast and molds) using metatranscriptomic libraries to clone the genes responsible for new fructosyltransferases, which, together with refined sugar will biologically synthesise short chain fructooligosaccharides. Prof Whiteley has continued with his research collaboration with South China University of Technology jointly sponsored by the National Research Foundation (South Africa) and the Chinese Academy of Sciences. Prof Whiteley was an invited speaker at a training workshop for Environmental Engineers held by the National Taiwan University in Taipei in October.

Prof Dorrington and **Dr Pletschke** attended the FASBMB meeting in Marrakesh, Morocco as representatives of the South African Society

for Biochemistry and Molecular Biology (SASBMB) Council. Dr Pletschke and PhD student (**Natasha Beukes**) presented a poster paper on "The effects of lime pre-treatment on the hemicellulolytic degradation of sugarcane bagasse". Dr Pletschke, currently President of SASBMB also represented South Africa at an IUBMB Conference in Shanghai. Prof Dorrington was invited to attend the meeting of the Society for Invertebrate Pathology in Park City, Utah in the USA, where she presented a keynote lecture. Prof Dorrington also presented a keynote lecture at the general meeting of the South African Society for Microbiology (SASM), where she was elected President of the Society. Thus the current presidents of SASM and SASBMB are both from Rhodes University! A highlight in terms of research infrastructure within the Department was the successful

application to the National Research Foundation National Equipment fund (led by Prof Dorrington) for upgrading of the Rhodes University confocal microscope, which was commissioned in September 2009. Dr Pletschke attended and presented the group's work at the Gordon Research Conference on Cellulosomes, Cellulases & other Carbohydrate Modifying Enzymes in Andover, New Hampshire, U.S.A. on July 26 – 31, 2009. Dr Pletschke was also invited to present a keynote address at the SASM/BIO-2-BIZ Joint Conference in Durban. **Dr Susan van Dyk** was granted a prestigious Claude Leon Postdoctoral Fellowship for the first time. Dr Pletschke's research group also hosted international collaborators, Prof K. Sakka and Dr M. Sakka (Both from Mie University, Japan) during the course of 2009.

Dr Dames and PhD student (**Tshepiso Seobi**) presented research on mycorrhizal topics at the 6th International Mycorrhizal Conference held in Brazil. Dr Dames was also an invited speaker at the Soil Borne Disease Symposium held in Stellenbosch in September.

The Biomedical Biotechnology Research Unit (BioBRU), a Rhodes University recognized research entity, was officially established in 2009. **Prof Greg Blatch** was the recipient of sabbatical awards from the Ernest Oppenheimer Memorial Trust and NRF-KIC programme which enabled him to spend six months on sabbatical (July-Dec). Three months of his sabbatical were spent in Germany (July-Sept) hosted as a Visiting Professor by Prof Richard Zimmermann (University of the Saarland, Homburg, Germany), and Prof Klaus Lingelbach and Dr Jude Przyborski (University of Marburg, Marburg, Germany). This sabbatical visit enabled Prof Blatch to initiate a German Research Foundation (DFG) grant (2010-2012) with his German collaborators. During his sabbatical he was invited to present a poster at the Gordon Research Conference on Malaria (Oxford, UK, September 2009), and an oral presentation at the 4th International Congress on Stress Responses in Biology and Medicine (Sapporo, Japan, October 2009). After the Sapporo congress, Prof Blatch travelled to

Kyoto to visit his collaborator Prof Kaz Nagata (Kyoto University) where they initiated an NRF-JSTA-funded project grant (2009-2012). Other members of BioBRU flew the departmental flag at a number of international conferences, with **Ms Cassandra Louw** and **Dr Linda Stephens** being invited to present posters at the EMBO Conference on the Biology of Molecular Chaperones (Dubrovnik, Croatia, May 2009), and **Dr Earl Prinsloo** invited to present a poster at the Gordon Research Conference on Stem Cells and Cancer (Les Diablerets, Switzerland, Sept 2009). **Ms Melissa Botha** (PhD) graduated in 2009, while **Ms Taryn Bodill** (MSc; with distinction), **Mr Michael Ludewig** (PhD), and **Ms Cassandra Louw** (PhD) completed their degrees in 2009, and will graduate in April 2010.

Dr Eva Pesce and **Dr Earl Prinsloo** were granted a third year of Postdoctoral Support from the Claude Leon Foundation, while **Mike Ludewig** was awarded a Claude Leon Postdoctoral Fellowship for the first time. The year ended with the very good news that **Dr Adrienne Edkins** was the recipient of an NRF Grant (2010-2012) under the Competitive Support for Unrated Researchers programme.

The department continues to have strong research collaborations with other departments and Institutes within the University such as Chemistry, Zoology and Entomology, Statistics, Pharmacy and EBRU. Strong collaborations also continue on both the National and International levels.

Dr Joanna Dames
Head of Department

Publications Research Journals in Abstract and/or Full Paper

Blatch, GL

Mutorwa, M, Salisu, S, *Blatch, GL*, Kenyon, C and Kaye, PT. "3-Substituted anilines as scaffolds for the construction of glutamine synthetase and DXP-reductoisomerase inhibitors". *Synthetic Communications*. 2009. 39,2723-2736.

Zimmerman, R and *Blatch, GL*. "A novel twist to protein secretion in eukaryotes". *Trends in Parasitology*. 2009. 25(4),147-150.

Burgess, JE

Tandlich, R, Zuma, BM, Whittington-Jones, KJ and *Burgess, JE*. "Mulch tower treatment system. Part II: destructive testing and effluent treatment". *Desalination*. 2009. 242,57-69.

Zuma, BM, Tandlich, R, Whittington-Jones, KJ and *Burgess, JE*. "Mulch tower treatment system. Part I: overall performance in greywater treatment". *Desalination*. 2009. 242,38-56.

Dames, JF

Goble, TA, *Dames, JF*, Hill, MP and Moore, SD. "The effects of farming system, habitat type and bait type on the isolation of entomopathogenic fungi from citrus soils in the Eastern Cape Province, South Africa". *Biocontrol*. 2009.

Edkins, AL

Acharya, M, *Edkins, AL*, Ozanne, BW and Cushley, W. "SDF-1 and PDGF enhance alphaVbeta5-mediated ERK activation and adhesion-independent growth of human pre-B cell lines". *Leukemia*. 2009. 23(10),1807-1817.

Frith, K-A and Limson, JL

Frith, K-A and *Limson, JL*. "pH Tuning of Nafion for selective detection of tryptophan". *Electrochimica Acta*. 2009. 54(13),3600-3605.

Gentz, PM, Blatch, GL and Dorrington, RA

Gentz, PM, *Blatch, GL* and *Dorrington, RA*. "Dimerization of the yeast eukaryotic translation initiation factor 5A requires hypusine and is RNA dependent". *Febs Journal*. 2009. 276,695-706.

Govender, Y, Riddin, T and Whiteley, CG

Govender, Y, *Riddin, T*, Gericke, M and *Whiteley, CG*. "Bioreduction of platinum salts into nanoparticles: a mechanistic perspective". *Biotechnology Letters*. 2009. 31,95-100.

Govender, Y, Riddin, TL and Whiteley, CG

Govender, Y, *Riddin, TL*, Gericke, M and *Whiteley, CG*. "On the enzymatic formation of platinum nanoparticles". *Journal of Nanoparticle Research*. 2009. 12,261-271.

Jiwaji, M and Dorrington, RA

Jiwaji, M and *Dorrington, RA*. "Regulation of hydantoin-hydrolyzing enzyme expression in *Agrobacterium tumefaciens* strain RU-AEO1". *Applied Microbiology and Biotechnology*. 2009. 84(6),1169-1179.

Jiwaji, M, Hartley, CJ, Clark, S-A, Burton, SG and Dorrington, RA

Jiwaji, M, *Hartley, CJ*, *Clark, S-A*, *Burton, SG* and *Dorrington, RA*. "Enhanced hydantoin-hydrolyzing enzyme activity in an *Agrobacterium tumefaciens* strain with two distinct N-carbamoylases". *Enzyme and Microbial Technology*. 2009. 44,203-209.

Lavan,LM, Van Dyk,JS and Pletschke,BI

Lavan,LM, Van Dyk,JS, Chan,H, Doi,RH and Pletschke,BI. "Effect of physical conditions and chemicals on the binding of a mini-CbpA from Clostridium cellulovorans to a semi-crystalline cellulose ligand". Letters in Applied Microbiology. 2009. 48(4),419-425.

Lawson,JC, Blatch,GL and Edkins,AL

Lawson,JC, Blatch,GL and Edkins,AL. "Cancer stem cells in breast cancer and metastasis". Breast Cancer Research and Treatment. 2009. 118,241-254.

Longshaw,VM and Blatch,GL

Longshaw ,VM, Baxter,M, Prewitz,M and Blatch,GL. "Knockdown of the co-chaperone Hop promotes extranuclear accumulation of Stat3 in mouse embryonic stem cells". European Journal of Cell Biology. 2009. 88,153-166.

Longshaw,VM, Stephens,LL, Daniel,S and Blatch,GL

Longshaw,VM, Stephens,LL, Daniel,S and Blatch,GL. "The TPR2B domain of the Hsp70/Hsp90 organising protein (Hop) may contribute towards its dimerization". Protein and Peptide Letters. 2009. 16,402-407.

Mack,C, Duncan,JR, and Burgess,JE

Moore,BA, Mack,C, Duncan,JR and Burgess,JE. "Metal-biomass interactions: a comparison of visualisation techniques available in South Africa". South African Journal of Science. 2009. 105(3-4),115-119.

Modisakeng,KW, Jiwaji,M, Pesce,E-R, Dorrington,RA and Blatch,GL

Modisakeng,KW, Jiwaji,M, Pesce,E-R, Robert,J, Amemiya,CT, Dorrington,RA and Blatch,GL. "Isolation of a Latimeria menadoensis heat shock protein 70 (Lmhsp70) that has all the features of an inducible gene and encodes a functional molecular chaperone". Molecular Genetics and Genomics. 2009. 282,185-196.

Murray,L and Knox,C

Murray,L, Luke,GA, Ryan,MD, Wileman,T and Knox,C. "Amino acid substitutions within the 2C coding sequence of Theiler's Murine Encephalomyelitis virus alter virus growth and affect protein distribution". Virus Research. 2009. 144,74-82.

Mutanda,T, Wilhelmi,B and Whiteley,CG

Mutanda,T, Wilhelmi,B and Whiteley,CG. "Controlled production of fructose by an exoinulase from Aspergillus ficuum". Applied Biochemistry and Biotechnology. 2009. 159,65-77.

Nambiar,S, Togo,CA and Limson,JL

Nambiar,S, Togo,CA and Limson,JL. "Application of multi-walled carbon nanotubes to enhance anodic performance of an Enterobacter cloacae-based fuel cell". African Journal of Biotechnology. 2009. 8(24),6927-6932.

Nemukula,A, Mutanda,T, Wilhelmi,BS and Whiteley,CG

Nemukula,A, Mutanda,T, Wilhelmi,BS and Whiteley,CG. "Response surface methodology: synthesis of short chain fructooligosaccharides with a fructosyltransferase from Aspergillus aculeatus". Bioresource Technology. 2009. 100,2040-2045.

Nicoll,WS and Blatch,GL

Parfitt,DA, Michael,GJ, Vermeulen,EGM, Prodromou,NV, Webb,TR, Gallo,J-M, Cheetham,ME, Nicoll,WS, Blatch,GL and Chapple,JP. "The ataxia protein sacs1 is a functional co-chaperone that protects against polyglutamine-expanded ataxin-1". Human Molecular Genetics. 2009. 18(9),1556-1565.

Pesce,E-R and Blatch,GL

Pesce,E-R and Blatch,GL. "The Hsp40-Hsp70 chaperone machinery of Plasmodium falciparum". African Journal of Biochemistry Research. 2009. 3(5),154-163.

Prinsloo,E, Setati,MM, Longshaw,VM and Blatch,GL

Prinsloo,E, Setati,MM, Longshaw,VM and Blatch,GL. "Chaperoning stem cells: a role for heat shock proteins in the modulation of stem cell self-renewal and differentiation?". Bioessays. 2009. 31,370-377.

Riddin,TL, Govender,Y and Whiteley,CG

Riddin,TL, Govender,Y and Whiteley,CG. "Two different hydrogenase enzymes from sulphate-reducing bacteria are responsible for the bioreductive mechanism of platinum into nanoparticles". Enzyme and Microbial Technology. 2009. 45,267-273.

Togo,C and Limson,JL

Matemadombo,F, Durmus,M, Togo,C, Limson,JL and Nyokong,T. "Characterization of manganese tetraarythiosubstituted phthalocyanines self assembled monolayers". Electrochimica Acta. 2009. 54,5557-5565.

Togo,CA and Pletschke,BI

Wutor,VC, Togo,CA and Pletschke,BI. "Suitability of total coliform β -D-galactosidase activity and CFU counts in monitoring faecal contamination of environmental water samples". Water SA. 2009. 35(1),85-88.

Van Dyk,JS and Pletschke,BI

Van Dyk,JS, Sakka,M, Sakka,K and Pletschke,BI. "The cellulolytic and hemi-cellulolytic system of Bacillus licheniformis SVD1 and the evidence for production of a large multienzyme complex". Enzyme and Microbial Technology. 2009. 45(5),372-378.

Whiteley,C

Wencheng,L, Yang,B, Wang,Y, Wei,D, Whiteley,C and Wang,X. "Molecular modeling of substrate selectivity of Candida antarctica lipase B and Candida rugosa lipase towards c9, t11- and t10, c12-conjugated linoleic acid". Journal of Molecular Catalysis B: E. 2009. 57,299-303.

Whiteley,CG

Deng,QY, Yang,B, Wang,JF, Whiteley,CG and Wang,XN. "Biological synthesis of platinum nanoparticles with apoferritin". Biotechnology Letters. 2009. 31,1505-1509.

Gade,A, Ingle,A, Whiteley,CG and Rai,M. "Mycogenic metal nanoparticles: progress and applications". Biotechnology Letters. 32(5), 593 - 600; 2010 (doi in 2009).

Wang,Y, Xu,X, Wen,Z, Li,W, Yang,B and Whiteley,CG. "Isolation, purification and properties of a novel small heat shock protein from the hyperthermophile Sulfolobus solfataricus". Applied Biochemistry and Biotechnology. 162:476-485; 2010 (doi 10.1007/s12010-009-8809-3 in 2009).

Other Publications

Dames,JF

Dames,JF. "Plants do not have roots". In: Clivia. Fischer,R, Felbert,C and Dixon, R (Eds) Clivia Society. Kenilworth, South Africa. 2009. 11, 15-16.

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

Local Conferences

Basson,W, Brand,JM and Wilhelmi,BS

Basson,W, Brand,JM and Wilhelmi,BS. "Molecular analysis of black rhinoceros dung". 17th Eastern Cape South African Society for Biochemistry and Molecular Biology. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. November 2009.

Burger,A, Whiteley,C and Boshoff,A

Burger,A, Whiteley,C and Boshoff,A. "E.coli RNA degradosome: role of heat shock proteins". SASBMB 2010 Congress. Ilanga Estate, Bloemfontein. South Africa. January 2009.

Dames,JF

*Goble,TA, Dames,JF, Hill,MP and Moore,SD. "The occurrence of EP fungi in citrus soils in the Eastern Cape province and the virulence of different EP fungal isolates towards False Codling Moth, *Thaumatotibia leucotreta*, Mediterranean and Natal fruit fly, *Ceratitis capitata* and *C. rosa*". 16th Entomological Congress of Southern Africa. University of Stellenbosch, Stellenbosch. South Africa. July 2009.*

Meyer,AH and Dames,JF. "Effect of different soil surface management practices on the mycorrhizal status of an apple orchard soil". Combined Congress (Crop Science). University of Stellenbosch, Stellenbosch. South Africa. January 2009.

Dorrington,RA, Vlok,M and Tomasicchio,M

Dorrington,RA, Vlok,M and Tomasicchio,M. "Small insect RNA viruses: prospects for targeted drug and gene delivery". Bio2Biz 2009/SASM 2009. International Convention Centre, Durban. South Africa. September 2009.

Edkins,AL and Blatch,GL

Edkins,AL and Blatch,GL. "Hit to target and target to hit: biochemical approaches to drug discovery". Symposium on chemico- and biomedical research. Rhodes Centre for Chemico- and Biomedical Research, Grahamstown. South Africa. November 2009.

Goble,JL, Stephens,LL and Blatch,GL

Goble,JL, Adendorff,MR, de Beer,TAP, Stephens,LL and Blatch,GL. "The malarial drug target Plasmodium falciparum 1-deoxy-D-xylulose-5-phosphate reductoisomerase (PfDXR): development of a 3-D model for identification of novel, structural and functional features and for inhibitor screening". 2nd Southern African Bioinformatics Workshop. Vanderbijlpark, Johannesburg. South Africa. October 2009.

Jauka,T and Knox,C

Jauka,T and Knox,C. "Generation of polyclonal antibodies against Theiler's murine encephalomyelitis virus protein 2C". SASM. International Convention Centre, Durban. South Africa. January 2009.

Kenyon,A, Blatch,GL and Edkins,A

Kenyon,A, Blatch,GL and Edkins,A. "Extracellular Hsp90 and the modulation of integrins: a role in the motility of breast cancer cells". Eastern Cape Meeting of the South African Society for Biochemistry and Microbiology. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. September 2009.

Lawson,JC, Edkins,AL and Blatch,GL

Lawson,JC, Edkins,AL and Blatch,GL. "Cytotoxicity of novel indigenous algal compounds against breast cancer cells". Eastern Cape Meeting of the South African Society for Biochemistry and Microbiology. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. September 2009.

Padayachee,E and Whiteley,CG

Padayachee,E and Whiteley,CG. "Arginine metabolising enzymes as therapeutic tools for Alzheimer disease, nitric oxide synthase inhibition by amyloid peptides and catalyst for fibrillogenesis". South African Society for Biochemistry and Molecular Biology (Eastern Cape division). Nelson Mandela Municipality University, Port Elizabeth. South Africa. November 2009.

Pletschke,BI

Pletschke,BI. "Enzyme synergy for the degradation of lignocellulose". SASM 2009. International Convention Centre, Durban. South Africa. September 2009.

Togo,C

Walmsley,RS, Togo,C and Tshentu,ZR. "Polymer-anchored oxovanadium(IV) complex for the oxidation of thioanisole, styrene and ethylbenzene". South African Chemical Institute-INORG2009. Free State University, Bloemfontein. South Africa. September 2009.

Whiteley,CG

Whiteley,CG. Chemico and Biomedical Research Symposium. Eden Grove Rhodes University, Grahamstown. South Africa. November 2009.

Wilhelmi,BS, Bulani,SI, Kgopa,AH and Brand,JM

Wilhelmi,BS, Bulani,SI, Kgopa,AH and Brand,JM. "Molecular analysis of herbivore dung for diet determination". Southern African Management Association Symposium. Black Mountain, Thaba Nchu. South Africa. September 2009.

International Conferences

Beukes,N and Pletschke,BI

Beukes,N and Pletschke,BI. "The effects of lime pre-treatment on the hemicellulolytic degradation of sugarcane bagasse". Third SMBBM International Congress of Biochemistry/IUBMB special meeting on plant stresses/6th FASBMB congress. Hotel Mogador Agdal, Marrakesh. Morocco. April 2009.

Beukes,NB and Pletschke,BI

Beukes,NB, Chan,H, Doi,RH and Pletschke,BI. "Synergistic degradation on untreated and lime pre-treated sugarcane bagasse using cellosomal and non-cellosomal enzymes". Gordon Research Conference on Cellulosomes, Cellulases and Other Carbohydrate Modifying Enzymes. Proctor Academy, Andover, New Hampshire. United States of America. July 2009.

Blatch,GL, Botha,M, Nicoll,WS, Bodill,TL and Pesce,E-R

Blatch,GL, Botha,M, Nicoll,WS, Bodill,TL, Chiang,AN, Brodsky,JL and Pesce,E-R. "Chaperones at the parasite-host interface: Hsp40-Hsp70 partnerships of malaria parasite-infected human erythrocytes". 4th International Congress on Stress Responses in Biology and Medicine. Gateaux Kingdom Sapporo Hotel & Spa Resort, Sapporo. Japan. October 2009.

Bodill,T, Goble,J and Blatch,GL

Bodill,T, Conibear,AC, Goble,J, Mutorwa,M, Stephens,L, Blatch,GL, Lobb,KA and Kaye,PT. "Design and development of DOXP-reductoisomerase inhibitors as novel antimalarials". Chemico- and Biomedical Research Symposium. Rhodes University, Grahamstown. South Africa. January 2009.

Botha,M and Blatch,GL

Botha,M, Chiang,AN, Hoppe,HC, Brodsky,JL and Blatch,GL. "Characterization of Hsp40-Hsp70 chaperone partnerships of Plasmodium falciparum". Gordon Research Conference on Malaria. Magdalen College, Oxford University, Oxford. United Kingdom. September 2009.

Dames,J

Goble,TA, Dames,J and Hill,MP. "The occurrence of entomopathogenic fungi from South African citrus soils". 42nd Meeting of the Society for Invertebrate Pathology. Utah State University, Park City. Utah. August 2009.

Goble,TA, Dames,J, Hill,MP and Moore,S. "The effect of bait insect and farming system on the isolation of entomopathogenic fungi from citrus soils in the Eastern Cape province, South Africa". 42nd Congress of the Society for Invertebrate Pathology. The Canyons Resort, Park City, Utah. United States of America. August 2009.

Dames,JF and Adeleke,RA

Dames,JF and Adeleke,RA. "Kalaharituber pfeilii and associated microbial interactions". International Conference on Mycorrhiza. Oura Minas Hotel, Belo Horizonte. Brazil. August 2009.

Dorrington,RA, Vlok,M and Tomasicchio,M

Dorrington,RA, Vlok,M and Tomasicchio,M. "The Tetraviridae: prospects for targeted drug and gene delivery". 42nd Congress of the Society for Invertebrate Pathology. The Canyons Resort, Park City, Utah. United States of America. August 2009.

Fogel,R and Limson,JL

Fogel,R and Limson,JL. "Tools for assessing functionality and binding of immobilized enzymes: towards enhanced biosensor performance". 216th Electrochemical Society Meeting. Austria Centre, Vienna. Austria. October 2009.

Louw,CA and Blatch,GL

Louw,CA and Blatch,GL. "The cloning, expression and biochemical characterization of Tbj1, a novel type III Hsp40 protein in the African sleeping sickness parasite, Trypanosoma brucei". EMBO Conference on Biology of Molecular Chaperones. Hotel Petka, Dubrovnik. Croatia. May 2009.

Ludewig,ML and Blatch,GL

Ludewig,ML, Horn,D and Blatch,GL. "The characterization of type I and type I-like Hsp40s of trypanosomatid species". ESF Conference on Infectious Diseases: from basic to translational research. The Lord Charles Hotel, Cape Town. South Africa. April 2009.

Mohlake,P and Whiteley,CG

Mohlake,P and Whiteley,CG. "Interaction of α -amyloid peptides with peptidyl arginine deiminase: catalyst for fibrillogenesis". Novel Strategies for Neurodegenerative Diseases. Academia Sinica, Taipei. Taiwan. September 2009.

Padayachee,E and Whiteley,CG

Padayachee,E and Whiteley,CG. "Arginine metabolising enzymes as therapeutic tools for Alzheimers disease: inhibition of nitric oxide synthase by amyloid peptides". 22nd International Society for Neurochemistry/Asian Society for Neurochemistry. Exhibition Convention Centre, Busan. South Korea. August 2009.

Prinsloo,E, Setati,MM, Longshaw,VM and Blatch,GL

Prinsloo,E, Setati,MM, Longshaw,VM and Blatch,GL. "Chaperoned STAT3: a role for heat shock proteins in the modulation of stem cell self-renewal and differentiation". Gordon Research Conference on Stem Cells and Cancer. Les Diablerets Conference Center, Les Diablerets. Switzerland. September 2009.

Seobi,T, Dames,JF and Blatch,GL

Seobi,T, Dames,JF and Blatch,GL. "Heat shock protein 60 (Hsp60 protein) from Glomus intraradices, sequence alignment and phylogenetic analysis". International Conference on Mycorrhiza. Oura Minas Hotel, Belo Horizonte. Brazil. August 2009. 91.

Shonhai,A, Botha,M and Blatch,GL

Shonhai,A, Botha,M, de Beer,T and Blatch,GL. "Analysis of the chaperone properties and protein network partners of the cytosolic Plasmodium falciparum heat shock protein 70". ESF Conference on Infectious Diseases: from basic to translational research. NH The Lord Charles Hotel, Cape Town. South Africa. April 2009.

Shonhai,A, Botha,M, de Beer,TAP and Blatch,GL. "Plasmodium falciparum cytosolic Hsp70, a spoke in the wheel of the parasite's survival and pathogenicity". 5th MIM Pan African Malaria Conference. Kenyatta International Conference Center, Nairobi. Kenya. November 2009.

Stephens,LL and Blatch,GL

Stephens,LL, Sims,PFG and Blatch,GL. "Heterologous co-expression of the malarial chaperone, PfHsp70, increases the expression and solubility of the malarial drug target GTP cyclohydrolase I (GTPCHI)". EMBO Conference on Biology of Molecular Chaperones. Hotel Petka, Dubrovnik. Croatia. May 2009.

Van Dyk,JS and Pietschke,BI

Sakka,M, Tetuya,T, Sakka,K, Van Dyk,JS and Pietschke,BI. "The multi-enzyme complex of Bacillus licheniformis SVD1". Japanese Research Society. 3027 Miuramura Inashikigunn, Ibaraki. Japan. June 2009.

Wilhelmi,BS and Morrison,R

Smogrovicova,D, Nadasky,P, Wilhelmi,BS, Tandlich,R, Morrison,R and Cambray,G. "Slovak and South African mead". 61th Convention of Chemists. Tatranske Matliare, Tatranske Matliare. Slovakia. September 2009.

Wilhelmi,BS and Naicker,K

Wilhelmi,BS, Naicker,K and de Kock,S. "In vitro and in vivo analysis of drug metabolism in liver microsomes and from a horse administration trial". 34th FEBS Congress. Conference Centre, Prague. Czech Republic. July 2009.

Patents (Final and Provisional)

Dames,JF and Mukasa-Mugerwa,TT

Rose,PD, Igbinigie,EE, Horan,MP, Dames,JF and Mukasa-Mugerwa,TT. Stacked heap coal bioreactor. South Africa. 2009. WO 2009/03119.

Dorrington,RA and Vlok,M

Dorrington,RA and Vlok,M. A method for producing virus-like particles. South Africa. 2009. ZA200905604.

Concerts/Exhibitions/Performances/Workshops/Events

Blatch,GL

Blatch,GL. Invited Speaker. "Characterization of the Plasmodium falciparum Hsp70-Hsp40 chaperone machinery: towards the development of small molecule inhibitors of chaperone function". MIM/TDR/WHO proposal development workshop. Hotel 680. Nairobi, Kenya. 26 - 30 October 2009.

Dames,JF

Dames,JF. Facilitator. "Laboratory management". Best laboratory management practices. New Africa Hotel. Dar es Salaam, Tanzania. 9 - 10 February 2009.

Dames,JF. Facilitator. "Microbiology practices". Best microbiology practices. New Africa Hotel. Dar es Salaam, Tanzania. 11 - 13 February 2009.

Dames,JF. Facilitator. *"Microbiology practices"*. Best microbiological practices. Safari Park. Nairobi, Kenya. 25 - 27 May 2009.

Dames,JF. Facilitator. *"Microbiology practices"*. Best microbiological practices. Kenyan Bureau of Standards. Nairobi, Kenya. 28 - 29 May 2009.

Dames,JF. Facilitator. *"Laboratory management"*. Best laboratory management practices. Cresta Lodge. Gaborone, Botswana. 11 June - 12 January 2009.

Dames,JF. Facilitator. *"Laboratory management"*. Best laboratory management practices. Protea Hotel. Walvis Bay, Namibia. 3 - 4 August 2009.

Dames,JF. Facilitator. *"Microbiological practices"*. Best microbiological practices. Protea Hotel. Kampala, Uganda. 26 - 27 August 2009.

Dames,JF. Invited speaker. *"Mycorrhizal interactions with plant pathogens and practical applications"*. 19th Annual soilborne plant diseases interest group symposium. Vredenburg Research Centre. Stellenbosch, South Africa. 15 - 17 September 2009.

Dames,JF. Facilitator. *"Laboratory practices"*. Best laboratory management practices. Protea Hotel. Lusaka, Zambia. 2 - 3 November 2009.

Dames,JF. Facilitator. *"Microbiological practices"*. Best microbiological practices. Protea Hotel. Lusaka, Zambia. 4 - 5 November 2009.

Dames,JF. Facilitator. *"Microbiology practices (water)"*. Best microbiological practices. Blue Pearl Hotel. Dar es Salaam, Tanzania. 23 - 24 November 2009.

Dames,JF. Facilitator. *"Microbiology of water (ministry of water)"*. Best microbiological practices. Blue Pearl Hotel. Dar es Salaam, Tanzania. 25 - 28 November 2009.

Dames,JF. Facilitator. *"Microbiological practices"*. Best microbiological practices. Grand Palm Hotel ICC. Gaborone, Botswana. 7 - 8 December 2009.

Whiteley,CG

Whiteley,CG. Invited lecturer/speaker. *"Principles and techniques in enzymology bioremediation and biodegradation design programme, wastewater sludge management"*. Wastewater Management and Treatment. GlenHove Conference Centre. Johannesburg, South Africa. 26 - 27 February 2009.

International Visit

Blatch,GL

Blatch,GL. University of the Saarland, Hamburg, Germany. Visiting Professor on sabbatical research visit to the laboratory of collaborator Professor Richard Zimmermann. 4 July - 1 October 2009.

Blatch,GL. University of Marburg, Marburg, Germany. Research visit to initiate DFG Grant with collaborators Professor Klaus Lingelbach and Dr Jude Przyborski. 23 July - 2 August 2009.

Blatch,GL. University of Luxembourg, Luxembourg, Luxembourg. Invited by Professor Iris Behrmann to present a lecture to the life sciences research unit, University of Luxembourg. 16 September 2009.

Blatch,GL. University of Kyoto, Kyoto, Japan. Research visit to initiate NRF-JSTA Grant with collaborator Professor Kaz Nagata. 10 - 13 October 2009.

Pletschke,BI

Pletschke,BI. FASBMB, Marrakesh, Morocco. Represented South Africa as voting delegate at the General Meeting of the FASBMB. 20 - 25 April 2009.

Pletschke,BI. International Union of Biochemistry and Molecular Biology, Shanghai, China. Represented South Africa as voting delegate at the General Assembly of the international union of biochemistry and molecular biology. 2 - 7 August 2009.

Whiteley,CG

Whiteley,CG. South China University Technology, Guangzhou, China. Research collaboration with department of biological sciences and bioengineering in fulfilment of a NRF bilateral research agreement between South Africa and China. 29 June - 10 July 2009.

Whiteley,CG. South China University of Technology, Guangzhou, China. Research collaboration with department of biological sciences and bioengineering in fulfilment of a NRF bilateral research agreement between South Africa and China. 4 - 25 September 2009.

Whiteley,CG. National Taiwan University, Taipei, Taiwan. Invited lecturer at the international training and research program for advanced drinking water technologies and advanced renewable energy technologies. 18 - 24 October 2009.

Wilhelmi,BS

Wilhelmi,BS and *Tandlich,R.* Slovak University of Technology, Bratislava, Slovakia. Research collaboration with the faculty of chemical and food technology in fulfilment of a NRF bilateral research agreement between South Africa and Slovakia. 8 - 16 July 2009.

Distinguished Visitors

Sakka,K

Professor K Sakka. Mie University, Tsu, Japan. Collaborator visiting South Africa as part of the SA-JAPAN scientific cooperation programme between the NRF/Rhodes University and JSPS/Mie University. July 2009.

Professor K Sakka. Mie University, Tsu, Japan. Collaborator visiting South Africa as part of the SA-JAPAN scientific cooperation programme between the NRF/Rhodes University and JSPS/Mie University. Dec 2009.

Smogrovicova,D

Professor D Smogrovicova. Slovak University of Technology, faculty of chemical and food technology, Bratislava, Slovakia. Research collaboration. Nov - Dec 2009.



2009

Botany



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Department of Botany

Prof. Nigel Barker obtained funding from the NRF and the National Geographic Society for his Great Escarpment Biodiversity research programme. The aim of this multidisciplinary programme is to document and study the biodiversity of the various mountain blocks that make up the great Escarpment. The current focus is on the southern regions of this mountain chain. He supervised several post-graduate and undergraduate research projects that form part of this research programme, and **Mr Ralph Clark** completed his PhD on the floristic composition of the mountains of the southern Great Escarpment.

Other projects include genetic diversity studies on small mammals (rodents and shrews), snakes, snails, butterflies and plants, and one MSc and one PhD student are studying the small mammal and insect diversity at high altitudes. Exciting findings include confirmation of the presence of Sloggett's Ice Rat at high altitudes in the Sneeuberg, as well as several new species of plants. Altogether, he and his students published 13 papers in 2009, including two keynote papers (one in the Proceedings of the National Academy of Sciences, USA) on the phylogeny and evolution of the gondwanan plant family Proteaceae.

Professor Ted Botha was awarded the South African Medal for Botany, in recognition of his active leadership role in the society (as a Council Member and past President) and for his teaching and research contribution over many years to the discipline of Botany in South Africa. His collaborative research continued with colleagues at Södertörns University. During October he travelled to the CSIRO in Perth to collaborate with research scientists on a joint programme focussed on the effect of the spotted alfalfa aphid, as well as the Russian wheat aphid. This work investigates the effects of these aphids on plant growth, and

ultimately, crop yield. Whilst in Perth, Prof Botha visited Curtin University for discussions with a colleague, and established contact with the directorate of the Australian National Microscopy Centre, housed on the University of Western Australia's campus. In December he hosted Prof Lisbeth Jonsson of Södertörns University. His book, *'Applied Plant Anatomy'* has sold well world wide and Prof Botha and his co-Authors Profs David Cutler (Kew) and Dennis Stevenson (New York Botanic Gardens) have been asked by Wiley Blackwell, to start preparation of updates and new material for a second edition of the book.

Prof. Brad Ripley continued his international collaboration on the evolution and ecology of C₄ grasses with recent work demonstrating that the responses to fire and drought can be partially attributed to photosynthetic mechanism but are also influenced by ancestral traits. This work and research on the ecophysiology of coastal dune plants allowed Brad to successfully obtain an NRF rating. Brad has also initiated new research on Spekboom, a species that is being extensively used in thicket restoration. This work investigates the relationship between photosynthesis, productivity and plant establishment and aims to improve estimates of carbon storage and cutting establishment.

Dr Craig Peter was awarded his PhD by the University of KwaZulu-Natal in 2009 and has gone on to publish a number of thesis chapters in journals with high impact factors. Together with his students, he published eight peer-reviewed papers while on sabbatical in 2009. His sabbatical also took him on two field trips to KwaZulu-Natal to expand on research initiated during his PhD.

Together with Dr Michelle Cocks of the ISER, **Mr Tony Dold** presented an exhibition of his photographs and traditional artefacts entitled *Imithi yesiXhosa - Plants for Health, Life and Spirit in Africa*, at the Somerset East Museum. The exhibition was commissioned by the Department of Sport, Recreation, Arts and Culture. Dold received an Achievers Award in recognition of outstanding accomplishments in preservation of customs and traditions from the

Eastern Cape Department of Sport, Recreation, Arts and Culture. Over and above this, he and Dr Cocks completed the first year of their schools outreach programme, *Inkcubeko Nendalo*, which involved activities at seven Grahamstown schools. They are particularly pleased that already the Department of Education has officially recognized the programme by including aspects into the CASS requirements for learners.

Dr Susi Vetter was on maternity leave during the first half of 2009, but her involvement in two research programmes, the NRF-funded "*Role of key resources in the Richtersveld*" and the SANPAD funded "*Understanding modernized rural peoples' cultural landscapes*" continued. The Richtersveld project is wrapping up, and a funding application has been submitted to the Royal Society in the UK to meet with collaborators from UCT and Edinburgh University in 2010 and 2011 to synthesize the key findings and to explore the implications of climate change scenarios for herbivore populations and their impact on the diversity of vegetation. The SANPAD research team met with collaborators from Stellenbosch and NMMU to develop a funding proposal to extend the research into people's valuation of nature into formal conservation planning processes.

Professor Roy Lubke (retired Associate Professor emeritus) is still involved in studies at Nature's Valley and last year submitted a popular article on the Nature Reserve and the value of open space in this coastal resort. He is also working on a chapter on the family Restionaceae for the *Flora of the Eastern Cape* (edited by Ms. Christien Bredenkamp). He reviewed early work for publication in 2010 on ecological rehabilitation following Diamond Mining in the Pocket Beach Areas, in Namibia (with Ronel van der Merwe) and is doing a comparison of the rehabilitation following mining in SW Namibia and SW Madagascar for a book on *Restoration of Coastal Dunes* (edited by Martinez, ML, Gallego-Fernández, JB & Hesp, PA).

Professor Nigel Barker
Head of Department

Books/Chapters/Monographs

McKenzie,RJ and Barker,NP

Karis,PO, Funk,VA, *McKenzie,RJ, Barker,NP* and Chan,R. "Arctotideae". In: Systematics, evolution, and biogeography of the compositae. International Association of Plant Taxonomy. Vienna, Austria. 2009. 385-410. ISBN: 978-3-9501754-3-1.

Publications Research Journals in Abstract and/or Full Paper

Barker,NP

Pirie,MD, Humphreys,AM, *Barker,NP* and Linder,HP. "Reticulation, data combination, and inferring evolutionary history: an example from Danthonioideae (Poaceae)". *Systematic Biology*. 2009. 58(6),612-628.

Sauquet,H, Weston,PH, Anderson,CL, *Barker,NP*, Cantrill,DJ, Mast,AR and Savolainen,V. "Contrasted patterns of hyper-diversification in Mediterranean hotspots". *Proceedings of the National Academy of Sciences of the United States of America*. 2009. 106(1),221-225.

Sauquet,H, Weston,PH, *Barker,NP*, Anderson,CL, Cantrill,DJ and Savolainen,V. "Using fossils and molecular data to reveal the origins of the Cape proteas (subfamily Proteoideae)". *Molecular Phylogenetics and Evolution*. 2009. 51,31-43.

Schrire,BD, Lavin,M, *Barker,NP* and Forest,F. "Phylogeny of the tribe Indigofereae (Leguminosae-Papilionoideae): geographically structured more in succulent-rich and temperate settings than in grass-rich environments". *American Journal of Botany*. 2009. 96(4),816-852.

Teske,PR, Winker,H, McQuaid,CD and *Barker,NP*. "A tropical/subtropical biogeographic disjunction in southeastern Africa separates two evolutionarily significant units of an estuarine prawn". *Marine Biology*. 2009. 156,1265-1275.

Barker,NP and Howis,S

Barker,NP, Howis,S, Nordenstam,B, Kallersjo,M, Eldenas,P, Griffioen,C and Linder,HP. "Nuclear and chloroplast DNA-based phylogenies of Chrysanthemoides Tourn. ex Medik (Calenduleae, Asteraceae) reveal extensive incongruence and generic paraphyly, but support the recognition of infraspecific taxa in *C. monilifera*". *South African Journal of Botany*. 2009. 75,560-572.

Clark,VR and Barker,NP

Clark,VR, Barker,NP and Mucina,L. "The Sneeuweberg: a new centre of floristic endemism on the Great Escarpment, South Africa". *South African Journal of Botany*. 2009. 75,196-238.

Clark,VR, Devos,N and Barker,NP

Nordenstam,B, *Clark,VR, Devos,N* and *Barker,NP*. "Two new species of Euryops (Asteraceae: Senecioneae) from the Sneeuweberg, Eastern Cape, South Africa". *South African Journal of Botany*. 2009. 75,145-152.

Coombs,G and Peter,CI

Coombs,G and *Peter,CI*. "Do floral traits of *Strelitzia reginae* limit nectar theft by sunbirds?" *South African Journal of Botany*. 2009. 75(4),751-756.

Coombs,G, Peter,CI and Johnson,SD. "A test for Allee effects in the self-incompatible wasp-pollinated milkweed *Gomphocarpus physocarpus*". *Austral. Ecology*. 2009. 34,688-697.

Gilbert,ME and Ripley,BS

Gilbert,ME and *Ripley,BS*. "Resolving the differences in plant burial responses". *Austral. Ecology*. 2009. 35(1),53-59.

Howis,S and Barker,NP

Howis,S, Barker,NP and Mucina,L. "Globally grown, but poorly known: species limits and biogeography of *Gazania* Gaertn. (Asteraceae) inferred from chloroplast and nuclear DNA sequence data". *Taxon*. 2009. 58(3),871-882.

Kaehler,S

Pakhomov,EA, Kaehler,S and Perissonotto,R. "The Prince Edward Islands' life-support system: relative importance of local and advected sources". *Proceedings of the Kazan State University: Natural Sciences*. 2009. 151(2),104-121.

Kelly,CMR and Barker,NP

Kelly,CMR, Barker,NP, Villet,MH and Broadley,DG. "Phylogeny, biogeography and classification of the snake superfamily Elapoidea: a rapid radiation in the late Eocene". *Cladistics*. 2009. 25,38-63.

Maroyi,A

Maroyi,A. "Traditional homegardens and rural livelihoods in Nhema, Zimbabwe: a sustainable agroforestry system". *International Journal of Sustainable Development and World Ecology*. 2009. 16(1),1-8.

McKenzie,RJ

Mahoney,AM and McKenzie,RJ. "Notes on two southern African *Arctotis* species (Arctotideae: Asteraceae) growing in California". *Madrone*. 2008. 55(3),244-247.

Papadopoulos,I and Barker,NP

Teske,PR, McLay,C, Sandoval-Castillo,J, Beheregaray,LB, Papadopoulos,I, Newman,BK, Griffiths,CL, McQuaid,CD, Barker,NP and Borgonie,G. "Tri-locus sequence data reject a 'Gondwanan origin hypothesis' for the African/South Pacific crab genus *Hymenosoma*". *Molecular Phylogenetics and Evolution*. 2009. 53,23-33.

Peter,CI

Johnson,SD, Griffiths,ME, Peter,CI and Lawes,MJ. "Pollinators, 'mustard oil' volatiles, and fruit production in flowers of the dioecious tree *Drypetes natalensis* (Putranjivaceae)". *American Journal of Botany*. 2009. 96(11),2080-2086.

Ollerton,J, Alarcon,R, Waser,NM, Price,MV, Watts,S, Cranmer,L, Hingston,A, Peter,CI and Rotenberry,J. "A global test of the pollination syndrome hypothesis". *Annals of Botany*. 2009. 103(9),1471-1480.

Peter,CI and Johnson,SD. "Reproductive biology of *Acrolophia cochlearis* (Orchidaceae): estimating rates of cross-pollination in epidendroid orchids". *Annals of Botany*. 2009. 104(3),573-581.

Peter,CI and Johnson,SD. "Pollination by flower chaffer beetles in *Eulophia ensata* and *Eulophia welwitschii* (Orchidaceae)". *South African Journal of Botany*. 2009. 75(4),762-770.

Peter,CI and Johnson,SD. "Autonomous self-pollination and pseudo-fruit set in South African species of *Eulophia* (Orchidaceae)". *South African Journal of Botany*. 2009. 75(4),791-797.

Peter,CI, Coombs,G, Huchzermeyer,CF, Venter,N, Winkler,AC, Hutton,D, Papier,LA and Dold,AP

Peter,CI, Coombs,G, Huchzermeyer,CF, Venter,N, Winkler,AC, Hutton,D, Papier,LA, Dold,AP and Johnson,SD. "Confirmation of hawkmoth pollination in *Habenaria epipactidea*: leg placement of pollinaria and crepuscular scent emission". *South African Journal of Botany*. 2009. 75(4),744-750.

Ramdhani,S and Barker,NP

Ramdhani,S, Barker,NP and Baijnath,H. "Rampant non-monophyly of species in *Kniphofia* Moench (Asphodelaceae) suggests a recent Afromontane radiation". *Taxon*. 2009. 58(4),1141-1152.

Ripley,BS

Ibrahim,DG, Burke,T, *Ripley,BS* and Osborne,CP. "A molecular phylogeny of the genus *Alloteropsis* (Panicoideae, poaceae) suggests an evolutionary reversion from C4 to C3 photosynthesis". *Annals of Botany*. 2009. 103,127-136.

Taylor,SH, Hulme,SP, Rees,M, *Ripley,BS*, Woodward,FI and Osborne,CP. "Ecophysiological traits in C3 and C4 grasses: a phylogenetically controlled screening experiment". *New Phytologist*. 2009. 185(3),780-791.

Van Grunsven,RHA, Bos,F, *Ripley,BS*, Suehs,CM and Veenendaal,EM. "Release from soil pathogens plays an important role in the success of invasive *Carpobrotus* in the Mediterranean". *South African Journal of Botany*. 2009. 75,172-175.

Saheed,SA and Botha,CEJ

Saheed,SA, Cierlik,I, Larsson,KAE, Delp,G, Bradley,G, Jonsson,LMV and *Botha,CEJ*. "Stronger induction of callose deposition in barley by Russian wheat aphid than bird cherry-oat aphid is not associated with differences in callose synthase or b-1,3-glucanase transcript abundance". *Physiologia Plantarum*. 2009. 135,150-161.

Vetter,S

Vetter,S. "Drought, change and resilience in South Africa's arid and semi-arid rangelands". *South African Journal of Science*. 2009. 105,29-33.

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

Local Conferences

Barker,N

Price,BW, Villet,MH and *Barker,N*. "Catch me if you can: drainage basins as crucibles of biodiversification in terrestrial organisms". *Tenth anniversary conference of the Southern African Society for Systematic Biology*. Illovo Beach, Illovo. South Africa. July 2009. 18-19.

Barker,NP and Kelly,CMR

Matumba,TG, McQuaid,CD, *Barker,NP* and *Kelly,CMR*. "Phylogeography of *Afrolittorina* species (Gastropoda: Littorinidae) from southern Africa". *10th Conference of the Southern African Society for Systematic Biology*. Natalia, Illovo Beach. South Africa. July 2009.

Barker,NP and McKenzie,RJ

Barker,NP and *McKenzie,RJ*. "More to Namakwaland than just pretty flowers? The phylogeny and biogeography of the annual *Arctotis clade* (Asteraceae)". *10th Conference of the Southern African Society for Systematic Biology*. Natalia, Illovo Beach. South Africa. July 2009.

Botha,CEJ

Botha,CEJ. "Loss of functionality during aphid infestation: causes and effects on transport systems in leaves". *South African Association of Botanists*. Botany, Stellenbosch. South Africa. January 2009. 75. 2. 394.

Clark,VR and Barker,NP

Clark,VR and *Barker,NP*. "Connectivity and disjunction along the southern Great Escarpment, southern Africa". *10th Conference of the Southern African Society for Systematic Biology*. Natalia, Illovo Beach. South Africa. July 2009.

Dold,AP

Cocks,ML and *Dold,AP*. "Uthixo ulihlathi lam - God is my forest. Albany thicket in Xhosaland". *Annual Thicket Forum*. Assegai Trails, Grahamstown. South Africa. August 2009.

Litye,SK, Cocks,ML and *Dold,AP*. "Cultural value of thicket: significance of natural resources in the male initiation rite of passage". *Annual Thicket Forum*. Assegai Trails, Grahamstown. South Africa. August 2009.

Mgwetyana,M, Cocks,ML and *Dold,AP*. "Use of local belief systems for conserving bio-cultural diversity within the Albany thicket". *Annual Thicket Forum*. Assegai Trails, Grahamstown. South Africa. August 2009.

Keevey,GP and Barker,N

Keevey,GP, Villet,MH and *Barker,N*. "Phylogenetic and genetic diversity of the mountain beauty butterfly (*Aeropetes tulbaghia*)". *Tenth Anniversary Conference of the Southern African Society for Systematic Biology*. Illovo Beach, Illovo. South Africa. July 2009. 44.

Kelly,CMR and Barker,N

Kelly,CMR, Branch,W, Villet,MH and *Barker,N*. "Berg adders and montane biogeography: a study of the southern African *Bitis atropos* species complex". *Tenth Anniversary Conference of the Southern African Society for Systematic Biology*. Illovo Beach, Illovo. South Africa. July 2009. 39-40.

Ripley,B

Van der Waal,B, Gambiza,J, *Ripley,B* and Rowntree,K. "Influence of *Acacia mearnsii* invasion on soil properties in the Kouga mountains, Eastern Cape, South Africa". *Tenth International Conference: Ecology and Management of Alien Plant Invasions*. University of Stellenbosch, Stellenbosch. South Africa. August 2009.

International Conferences

Dold,AP

Cocks,ML, *Dold,AP* and Wiersum,F. "Places and spaces in nature for spirituality and well-being for the amaXhosa, Eastern Cape, South Africa: implications for environmental policy and cultural development". *Vth International Congress of Ethnobotany*. San Carlos de Bariloche, San Carlos de Bariloche. Argentina. September 2009.

Kaehler,S

Kaehler,S. "The 4th ASCLME/EAF Nansen cruise: A multidisciplinary exploration of Mozambique Channel Eddies". *6th Western Indian Ocean Marine Science Association Conference*. Université de la Réunion, Saint Denis. Réunion. August 2009.

Huggett,JA, Hill,J, *Kaehler,S*, Morris,T, Ockhuis,S and Miggel,A. "Biomass, composition and vertical distribution of zooplankton associated with mesoscale eddies in the Mozambique Channel". *6th Western Indian Ocean Marine Science Association Conference*. Université de la Réunion, Saint Denis. Réunion Island. January 2009.

Ripley,BS

Taylor,SH, Rees,M, Hulme,SP, Freckleton,RP, *Ripley,BS*, Woodward,FI and Osborne,CP. "Ecophysiological traits of grasses: resolving the effects of photosynthetic pathway and phylogeny". *Ecological Society of America*. Albuquerque Convention Center, Albuquerque, New Mexico. United States of America. August 2009.

Teske,PR, Ramdhani,S and Barker,NP

Teske,PR, Piggott-Smith,M, Rius,M, Styan,C, McLusky,C, *Ramdhani,S*, *Barker,NP*, McQuaid,CD and Beheregaray,L. "Cryptic species associated with marine biogeographic provinces within Australian and South African lineages of the low-dispersal ascidian *Pyura stolonifera*". *Australian Marine Sciences Association Conference*. Adelaide Convention Centre, Adelaide. Australia. July 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Dold,AP

Dold,AP and Cocks,ML. Educational exhibition. "*Imithi yesiXhosa - Plants for health, life and spirit in Africa*". Somerset East Museum. Somerset East, South Africa. 15 June - 1 January 2009.

Dold,AP and Cocks,ML. Development. "*Imithi yesiXhosa - Plants for health, life and spirit in Africa*". Somerset East Museum. Somerset East, South Africa. 4 September - 28 February 2009.

Dold,AP and Cocks,M. Development and delivery. "*Amayeza esiXhosa: medicinal and useful plants of the Eastern Cape workshop*". Grahamstown Flower Show. Grahamstown, South Africa. 6 - 7 November 2009.

Dold,AP and Vetter,S

Cocks,ML, *Dold,AP*, *Vetter,S*, Alexander,J, Mogano,LL, Knight,A, Cowling,R and Wiersum,F. Organiser. "*Bio-cultural planning in Eastern Cape*". Makana Restort. Grahamstown, South Africa. 3 - 4 November 2009.

Cocks,ML, *Dold,AP*, *Vetter,S*, Alexander,J, Mogano,LL, Knight,A, Cowling,R and Wiersum,F. Participant. "*Bio-cultural planning in the Eastern Cape*". Makana Resort. Grahamstown, South Africa. 3 - 4 November 2009.

International Visit

Botha,CEJ

Botha,CEJ. CSIRO Floreat Park WA, Perth, Australia. Completion of research manuscript, aphid population studies. 31 October - 27 November 2009.

Distinguished Visitors

Guralnick,LJ

Professor LJ Guralnick. Assistant Dean, Math and Natural Science, Roger Williams University, Bristol, United States of America. Research collaboration on ecophysiology of *Portulacaria afra* (Spekboom). Mar - Apr 2009.

Jonsson,LMJ

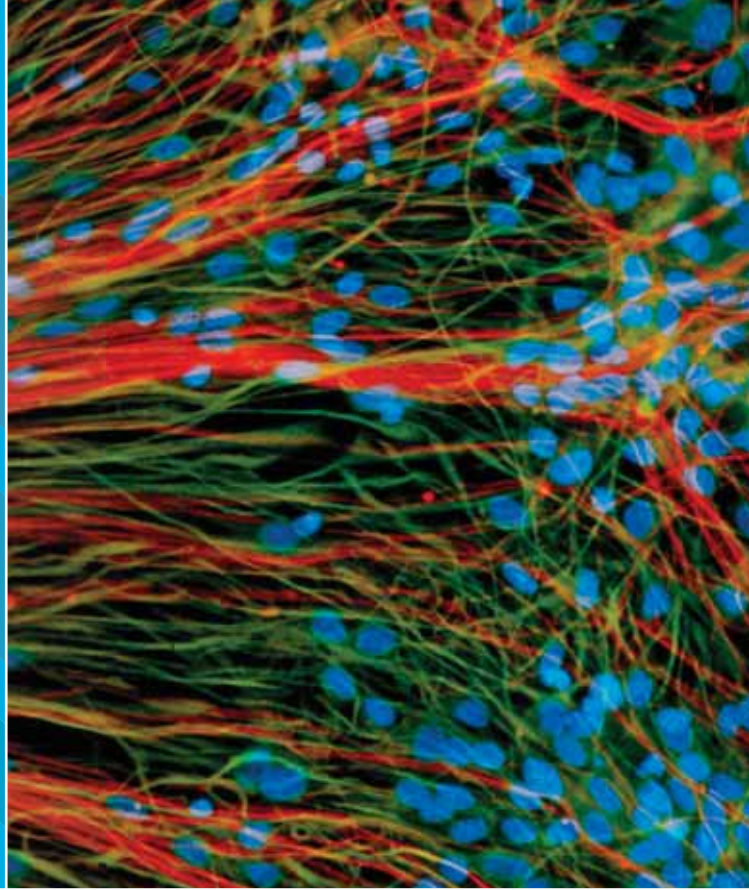
Professor LMJ Jonsson. Södertörns University, Flemmingsburg, Sweden. Completion of manuscript, with Prof CJ Botha, now accepted. Dec 2009.

Mucina,L

Professor L Mucina. Curtin University, Perth, Australia. Seminar and discussion, research collaboration and studenty co-supervision, with Professor Barker. Jun - Jul 2009.



2009



Chemistry



RHODES UNIVERSITY
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Department of Chemistry

The highlight for the Department of Chemistry in 2009 was the award of the L'ORÉAL-UNESCO Award for Women in Science to **Professor Tebello Nyokong**. This is an outstanding achievement as each year only one laureate is selected by a panel of former Nobel prize winners from five world regions.

Professor Nyokong was the 2009 laureate for Africa and the Arab states and received her award at a function held in Paris in April, attended by the Vice Chancellor and dignitaries from the South African Embassy in France. In August 2009 Professor Nyokong also received the "Champion for the transformation in research" President's award from the National Research Foundation for her "extraordinary contribution to the development of science in South Africa," for which Motion of Congratulations was passed by the National Assembly and she was subsequently invited to address the Parliament Portfolio Committee for Science. Nyokong was also Awarded 2009 CEO (Celebrating excellence in organizations) award for the Most Influential Women in Business and Government– Education and

Teaching Sector and she was also elected Fellow of Third World Academy of Science.

Professor Nelson Torto received the 2009 American Chemical Society Division of Analytical Chemistry Award for Young Investigators in Separation Science at the Pittcon conference in Chicago.

Professor Davies-Coleman was inducted as a Fellow of the Royal Society of South Africa in 2009.

The DST-Mintek Nanotechnology Innovation Centre (Sensors) under the direction of **Professor Tebello Nyokong** continues to grow and international visitors to the Centre and Department included Professor Kobayashi, Dr Shimuzu and Dr Mack from Japan, Professor Stillman from Canada, Professor Norman and Dr Ashworth from the

UK, Drs Bedioui and Griveau from France, Dr Shaibu from Nigeria, Professors Stenken and Simoyi from the USA, and Professor Schlettwein from Germany. Professor Derck Schlettwein also delivered the 2009 Barker Lecture entitled "*Capturing solar energy*". In addition three post-graduate students from France and Germany had the opportunity to carry out collaborative research in laboratories in the Centre at Rhodes. New research equipment commissioned into the DST-Mintek Nanotechnology Innovation Centre includes an X-ray powder diffractometer while the Department was the recipient of two new infra red and one UV spectrometers.

Postgraduate research remained the mainstay of our Department in 2009 with the largest cohort of 69 post-doctoral PhD, MSc and Honours students ever registered in the Department working in a variety of fields including electrochemistry, photochemistry,

nanotechnology, inorganic and organic synthesis, analytical and marine natural product chemistry. Two PhD and three MSc chemistry graduands received their degrees at the April Graduation ceremony. The Department continued to celebrate the diversity of its post-graduate student body which originates from all corners of our continent including Botswana, Ghana, Lesotho, Namibia, Nigeria and Zimbabwe and even further afield e.g. Turkey and New Zealand. Six of our post-graduate students had the opportunity to carry out collaborative research in laboratories in France, Germany, Japan Sweden, and the USA. During 2009 staff and post graduate students also attended and contributed to the proceedings at numerous national and international conferences.

Professor Michael Davies-Coleman
Head of Department

Books/Chapters/Monographs

Davies-Coleman,MT

Abegaz,BM and *Davies-Coleman,MT*. "A brief history of natural product research in Africa". In: American Society of Pharmacognosy: 50 years of Progress in Natural Product Research. American Society of Pharmacognosy. Madison, Wisconsin. First Edition. 2009. 146-147.

Publications Research Journals in Abstract and/or Full Paper

Akinbulu,IA and Nyokong,T

Akinbulu,IA and Nyokong,T. "Characterization of polymeric film of a new manganese phthalocyanine complex octa-substituted with 2-diethylaminoethanethiol, and its use for the electrochemical detection of bentazon". *Electrochimica Acta*. 2009. 55,37-45.

Akinbulu,IA and Nyokong,T. "Synthesis, spectroscopic and electrochemical properties of manganese, nickel and iron octakis-(2-diethylaminoethanethiol)-phthalocyanine". *Polyhedron*. 2009. 28,2831-2838.

Antunes,E and Nyokong,T

Antunes,E and Nyokong,T. "Synthesis and photophysical behaviour of axially substituted phthalocyanine, tetrabenzotriazaporphyrin and triazatetrabenzcorrole phosphorous complexes". *Journal of Porphyrins and Phthalocyanines*. 2009. 13,153-160.

Antunes,E, Nyokong,T, Ahsen,V, Saydan,N, Durmus,M, Dizge,MG, Yaman,H and Gurek,AG. "Water-soluble phthalocyanines mediated photodynamic effect on mesothelioma cells". *Journal of Porphyrins and Phthalocyanines*. 2009. 13,681-690.

Britton,J, Antunes,E and Nyokong,T

Britton,J, Antunes,E and Nyokong,T. "Fluorescence studies of quantum dots and zinc tetraamino phthalocyanine conjugates". *Inorganic Chemistry Communications*. 2009. 12,828-831.

Brown,ME

Glass,BD and *Brown,ME*. "Thermoanalytical methods applied to medicine". *Pure and Applied Chemistry*. 2009. 81(10),1881-1888.

Chidawanyika,W and Nyokong,T

Chidawanyika,W and Nyokong,T. "Spectroscopic and photophysicochemical behaviour of novel cadmium phthalocyanine derivatives tetra-substituted at the alpha and beta positions". *Journal of Photochemistry and Photobiology A-Chemistry*. 2009. 202,99-106.

Chidawanyika,W and Nyokong,T. "The synthesis and photophysicochemical properties of low-symmetry zinc phthalocyanine analogues". *Journal of Photochemistry and Photobiology A-Chemistry*. 2009. 206,169-176.

Chidawanyika,W, Nyokong,T, Mack,J, Shimizu,S and Kobayashi,N. "Effect of peripheral fused ring substitution on the optical spectroscopy and electronic structure of metal phthalocyanine complexes". *Journal of Porphyrins and Phthalocyanines*. 2009. 13,1053-1062.

Erdogmus,A and Nyokong,T

Erdogmus,A and Nyokong,T. "Synthesis, photophysical and photochemical properties of novel soluble tetra[4-(thiophen-3yl)-phenoxy]phthalocyaninato zinc(II) and Ti(IV)O complexes". *Inorganic Chimica Acta*. 2009. 362,4875-4883.

Erdogmus,A and Nyokong,T. "New soluble methylenedioxy-phenoxy-substituted zinc phthalocyanine derivatives: synthesis, photophysical and photochemical studies". *Polyhedron*. 2009. 28,2855-2862.

Erdogmus,A, Nyokong,T and Ogunsipe,A. "Synthesis, photophysics and photochemistry of novel tetra(quinoxaliny) phthalocyaninato zinc(II) complexes". *Journal of Photochemistry and Photobiology A-Chemistry*. 2009. 205,12-18.

Erdogmus,A, Nyokong,T and Ogunsipe,A

Erdogmus,A, Nyokong,T, Durmus,M, Dube,T and Ogunsipe,A. "The synthesis, photophysicochemical behaviour of novel water-soluble cationic indium(III) phthalocyanine". *Dyes and Pigments*. 2009. 89,244-250.

George,R and Nyokong,T

George,R, Nyokong,T, Durmus,M and Egharevba,GO. "Electrostatic self-assembly of quaternized 2,(3)-tetra(oxo-pyridine) phthalocyaninato chloroindium(III) with a series of tetrasulfonated phthalocyanines". *Polyhedron*. 2009. 28,3621-3627.

Idowu,M and Nyokong,T

Idowu,M and Nyokong,T. "Interaction of water-soluble CdTe quantum dots with octacarboxy metallophthalocyanines: a photophysical and photochemical study". *Journal of Luminescence*. 2009. 129,356-362.

Idowu,M and Nyokong,T. "Photophysicochemical and fluorescence quenching studies of tetra- and octa-carboxy substituted silicon and germanium phthalocyanines". *Journal of Photochemistry and Photobiology A-Chemistry*. 2009. 204,63-68.

Idowu,M and Nyokong,T. "Synthesis, photophysical and photochemical studies of water soluble cationic zinc phthalocyanine derivatives". *Polyhedron*. 2009. 28,416-424.

Idowu,M and Nyokong,T. "Study of the photophysical behaviour of tetrasulfonated metallophthalocyanines in the presence of CdTe quantum dots". *Polyhedron*. 2009. 28,891-896.

Khene,S, Lobb,K and Nyokong,T

Khene,S, Lobb,K and Nyokong,T. "Characterization of nickel tetrahydroxy phthalocyanine complexes and the electrocatalytic oxidation of 4-chlorophenol: correlation of theory with experiments". *Inorganic Chimica Acta*. 2009. 362,5055-5063.

Masilela,N, Idowu,M and Nyokong,T

Masilela,N, Idowu,M and Nyokong,T. "Photophysical, photochemical and electrochemical properties of water soluble silicon, titanium and zinc phthalocyanines". Journal of Photochemistry and Photobiology A-Chemistry. 2009. 201,91-97.

Matemadombo,F and Nyokong,T

Matemadombo,F, Durmus,M, Togo,C, Limson,JL and Nyokong,T. "Characterization of manganese tetraarylthiosubstituted phthalocyanines self assembled monolayers". Electrochimica Acta. 2009. 54,5557-5565.

Matemadombo,F, Nyokong,T, D Scherman,D, Durmus,M, Escriou,V, Griveau,S and Bedioui,F. "Evaluation of the performance of manganese phthalocyanines as superoxide dismutase mimics". Current Analytical Chemistry. 2009. 5,330-338.

Matemadombo,F, Nyokong,T and Sehlotho,N

Matemadombo,F, Nyokong,T and Sehlotho,N. "Effects of the number of ring substituents of cobalt carboxyphthalocyanines on the electrocatalytic detection of nitrite, cysteine and melatonin". Journal of Porphyrins and Phthalocyanines. 2009. 13,986-997.

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Mbambisa,G, Nombona,N and Nyokong,T. "The formation of self-assembled monolayers of thiophthalocyanine complexes of titanium, vanadium and manganese and their use in l-cysteine electrocatalysis". Microchemical Journal. 2009. 93,60-66.

Mmualefe,LC and Torto,N

Mmualefe,LC and Torto,N. "Environmental and food sample handling challenges for developing countries". Toxicological & Environmental Chemistry. 2009. 91,819-835.

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Modibane,D and Nyokong,T

Modibane,D and Nyokong,T. "Synthesis, photophysical and photochemical properties of octa-substituted antimony phthalocyanines". Polyhedron. 2009. 28,479-484.

Modibane,DK and Nyokong,T

Modibane,DK and Nyokong,T. "Synthesis, photophysical and nonlinear optical properties of microwave synthesized 4-tetra and octa-substituted lead phthalocyanines". Polyhedron. 2009. 28,1475-1480.

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Moeno,S and Nyokong,T. "Opposing responses elicited by positively charged phthalocyanines in the presence of CdTe quantum dots". Journal of Photochemistry and Photobiology A-Chemistry. 2009. 201,228-236.

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Molefe,DM and Kaye,PT

Molefe,DM and Kaye,PT. "Catalytic effects in Baylis-Hillman reactions of chromone-3-carbaldehydes with acrylonitrile and methyl acrylate". Synthetic Communications. 2009. 39(16),3586-3600.

Molefe,DM, Ganto,MM, Lobb K,KA and Kaye,PT

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Mugadza,T and Nyokong,T. "Synthesis and characterization of electrocatalytic conjugates of tetraamino cobalt (II) phthalocyanine and single wall carbon nanotubes". *Electrochimica Acta*. 2009. 54,6347-6353.

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Mutorwa,M, Salisu,S, Blatch,GL, Kenyon,C and Kaye,PT. "3-Substituted anilines as scaffolds for the construction of glutamine synthetase and DXP-reductoisomerase inhibitors". *Synthetic Communications*. 2009. 39,2723-2736.

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Nombona,N and Nyokong,T. "Synthesis, cyclic voltammetry and spectroelectrochemical studies of Co(II) phthalocyanines tetra-substituted at the alpha and beta positions with phenylthio groups". *Dyes and Pigments*. 2009. 80,130-135.

Nombona,N, Nyokong,T and Geraldo,DA

Nombona,N, Nyokong,T, Geraldo,DA, Hakuzimana,J, Schwarz,A and Westbroek,P. "Comparative electrocatalytic behavior of self-assembled monolayer of thiol derivatised Co (II) phthalocyanines on gold disk, ultramicro cylinder and fiber electrodes". *Journal of Applied Electrochemistry*. 2009. 39(5),727-736.

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Nyokong,T, Ozoemena,KI, Mamuru,SA, Fukuda,T and Kobayashi,N. "Metal (Co, Fe) tribenzotetraazachlorin-fullerene conjugates: impact of direct pi-bonding on the redox behaviour and oxygen reduction reaction". *Electrochemistry Communications*. 2009. 11(6),1221-1225.

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Ozoemena,KI

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Sunassee,SN, Davies-Coleman,MT and Klein,R

Sunassee,SN, Davies-Coleman,MT and Klein,R. "Factors influencing prenylation of an aromatic organolithium". Journal of Chemical Research (S). 2009. 2009(8),468-472.

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Torto,N. "A review of microdialysis sampling systems". Chromatographia. 2009. 70,1305-1309.

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Other Publications

Mokgadi,J, Mmualefe,LC and Torto,N

Mokgadi,J, Mmualefe,LC and Torto,N. "Agilent sampliQ solid phase extraction sorbent in the clean-up of alkaloids in goldenseal by HPLC-DAD". In: Environmental Application Note. Interchim, AT (Ed) Agilent Technologies. United States of America. 2009. 1-6. ISBN: 5990-41799.

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Pule,BO, Mmualefe,LC and Torto,N. "Fractionation of acidic, basic and neutral drugs from urine with an SPE mixed mode strong anion exchange polymeric resin (Agilent SamliQ-SAX)". In: Drug Discovery Application Note. Interchim, AT (Ed) Agilent Technologies. United States of America. 2009. 1-8. ISBN: 5990-5001.

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

Local Conferences

Abel,S, Sunnassee,S, Sewry,JD, Meyer,A and Tukulula,M

Abel,S, Sunnassee,S, Sewry,JD, Meyer,A and Tukulula,M. "Chemistry outreach in the Eastern Cape: a science and communication initiative between Rhodes University and Bristol University, UK". 2nd African science communication conference. Gallagher Estate, Johannesburg. South Africa. February 2009.

Adendorff,MR

Goble,JL, Adendorff,MR, de Beer,TAP, Stephens,LL and Blatch,GL. "The malarial drug target Plasmodium falciparum 1-deoxy-D-xylulose-5-phosphate reductoisomerase (PfDXR): development of a 3-D model for identification of novel, structural and functional features and for inhibitor screening". 2nd Southern African Bioinformatics Workshop. Vanderbijlpark, Johannesburg. South Africa. October 2009.

Batlokwa,S and Torto,N

Batlokwa,S and Torto,N. "An imprinted polymer for the selective separation of Hg (II) ions in aqueous media". 3rd Symposium, Southern and Eastern Africa network of analytical chemists. Ezulwini, Ezulwini. Swaziland. July 2009.

Chigome,S and Torto,N

Chigome,S and Torto,N. "Electrospun polymer nanofiber composites for optoelectronic applications". International Conference on New Materials Design Technology for the Next Generation of Performed Components. Algiers, Algeria. May 2009.

Chigome,S and Torto,N. "Functionalised electrospun nanofibers as solid phase extraction sorbents for the trace determination of corticosteroids". 3rd Symposium, Southern and Eastern Africa Network of Analytical Chemists. Ezulwini, Swaziland. July 2009.

Darko,G and Torto,N

Darko,G and Torto,N. "Electrospan polymer nanofibre membranes for the removal of heavy metal ions in aqueous media". 3rd Symposium, Southern and Eastern Africa Network of Analytical Chemists. Ezulwini, Swaziland. July 2009.

Kaye,PT

Kaye,PT. "Medicinal chemistry challenges in Africa: an academic response". iThemba Pharmaceuticals Launch. Sandton, Johannesburg. South Africa. March 2009.

Khene,S

Khene,S. "Characterization of nickel tetrahydroxy phthalocyanine complexes and the electrocatalytic oxidation of 4-chlorophenol: correlation of theory with experiments". South African Chemical Institute - INORG2009. University of Free State, Bloemfontein. South African. September 2009.

Maikokera,R

Maikokera,R. "Synthesis of asymmetrical water-soluble metal phthalocyanine for covalent linking to quantum dots". South African Chemical Institute -INORG2009. University of Free State, Bloemfontein. South Africa. September 2009.

Medina,GJ and Watkins,GM

Medina ,GJ and Watkins,GM. "A spectroscopic study of Cu(I) carbonyl compounds with Schiff bases: substituted-(N-benzylidene-N-[2-(benzylidene-amino)-ethyl]-ethane-1,2-diamine)carbonylcopper(I)tetraphenylborate [Cu(CO){2,2N3(R-C6H4)2}]BPh4". South African Chemical Institute-INORG2009. Free State University, Bloemfontein. South Africa. January 2009.

Mmualefe,L and Torto,N

Mmualefe,L and Torto,N. "Sample preparation in environmental monitoring". 3rd Symposium, Southern and Eastern Africa Network of Analytical Chemists. Ezulwini, Ezulwini. Swaziland. July 2009.

Mokgadi,J and Torto,N

Mokgadi,J and Torto,N. "Profiling and characterization of phytochemicals in medicinal and edible plants". First Annual Rhodes University Post-graduate Conference. Rhodes University, Grahamstown. South Africa. January 2009.

Mokgadi,J and Torto,N. "Optimization of SPE for the quantitative determination of alkaloids in goldenseal and flavonoids in ginkgo biloba by HPLC-DAD". 3rd Symposium, Southern and Eastern Africa Network of Analytical Chemists. Ezulwini, Ezulwini. Swaziland. July 2009.

Mpofu,C and Torto,N

Mpofu,C and Torto,N. "Assessment of POPs levels in fish from Okavango Delta". 3rd Symposium, Southern and Eastern Africa Network of Analytical Chemists. Ezulwini, Ezulwini. Swaziland. July 2009.

Mugadza,T

Mugadza,T. "Metallophthalocyanines (MPcs) and single walled carbon nanotubes (SWCNTs) for the electrochemical detection diuron". South African Chemical Institute - INORG2009. University of Free State, Bloemfontein. South Africa. September 2009.

Nyokong,T

Nyokong,T. "Is the relevance of science (and technology) in development shared by decision makers (or implementers)?" . Southern African Association for Research in Mathematics, Science and Technology Education) 17th International Conference. Rhodes University, Grahamstown. South Africa. January 2009.

Pule,B and Torto,N

Pule,B and Torto,N. "Development of sample handling methods for analytes in biological matrices". First Annual Rhodes University post-graduate conference. Rhodes University, Grahamstown. South Africa. November 2009.

Sewry,JD

Sewry,JD and Ngcoza,K. "The power of partnerships: improving physical science teaching in the Grahamstown district". SAASTE (SA Association of Science and Technology Educators) Conference. Rhodes University, Grahamstown. South Africa. June 2009.

Sewry,JD, Ngcoza,K, Maselwa,R and Goosen,L. "Tensions and contradictions between policy formulation and practice: what should be the role of research in the education system in South Africa?". SAARMSTE 2009 CONFERENCE. Rhodes University, Grahamstown. South Africa. January 2009.

Sewry,JD, Ngcoza,K, Songwarhu,Z, Maselwa,R and Goosen,L. "Collaborative chemistry workshops: towards conceptual development and capacity-building". SAARMSTE 2009 CONFERENCE. Rhodes University, Grahamstown. South Africa. January 2009.

Shaibu,RO and Watkins,GM

Shaibu,RO and Watkins,GM. "Synthesis, characterization and biological activities of Co(II) Schiff bases". South African Chemical Institute-INORG2009. Free State University, Bloemfontein. South Africa. September 2009.

Tshentu,ZR

Tshentu,ZR. "Vanadium in treatment of type 2 diabetes". South African Chemical Institute-INORG2009. Free State University, Bloemfontein. South Africa. September 2009.

Walmsley,RS and Tshentu,ZR

Walmsley,RS, Togo,C and Tshentu,ZR. "Polymer-anchored oxovanadium(IV) complex for the oxidation of thioanisole, styrene and ethylbenzene". South African Chemical Institute-INORG2009. Free State University, Bloemfontein. South Africa. September 2009.

International Conferences

Bogopa,J and Torto,N

Bogopa,J and Torto,N. "A profile of the essential compounds of the Kgalagadi desert truffles-terferzia pfeilli". 3rd Symposium, Southern and Eastern Africa Network of Analytical Chemists. Ezulwini, Ezulwini. Swaziland. July 2009.

Conibear,AC, Mutorwa,M, Lobb,KA and Kaye,PT

Bodill,T, Conibear,AC, Goble,J, Mutorwa,M, Stephens,L, Blatch,GL, Lobb,KA and Kaye,PT. "Design and development of DOXP-reductoisomerase inhibitors as novel antimalarials". Chemico- and Biomedical Research Symposium. Rhodes University, Grahamstown. South Africa. January 2009.

Davies-Coleman,MT

Davies-Coleman,MT. "Quinones: templates for the design of new cytotoxic compounds". 50th Annual Meeting of the American Society of Pharmacognosy. Waikiki Sheraton, Honolulu. Hawaii. June 2009.

Gundhla,IZ, Walmsey,RS and Tshentu,ZR

Gundhla,IZ, Walmsey,RS and Tshentu,ZR. "Stability and speciation of bis[1-R-imidazole]carboxylato]oxovanadium(IV) complexes". International Science and Technology Conference. Vaal University of Technology, Vanderbijlpark. South Africa. November 2009.

Kaye,PT

Kaye,PT. "Conference organisation". Chemico- and Biomedical Research Symposium. Rhodes University, Grahamstown. South Africa. November 2009.

Kaye,PT. "Medicinal chemistry challenges in Africa: an academic response". Medicinal Chemistry Indaba. University of Cape Town, Cape Town. South Africa. February 2009.

Modise,R and Torto,N

Modise,R and Torto,N. "Development of ion imprinted polymers for Cu, Zn, Fe, Cr, Co & Ni for mine tailing samples". 3rd Symposium, Southern and Eastern Africa Network of Analytical Chemists. Ezulwini, Ezulwini. Swaziland. July 2009.

Nyokong,T

Nyokong,T. "Sulphur containing phthalocyanines: spectra, electrochemistry and electrocatalytic activity". 2nd Georgian Bay International Conference on Bioinorganic Chemistry. Stockey Centre, Parry, Sound, Ontario. Canada. May 2009.

Pule,B and Torto,N

Pule,B and Torto,N. "Fractionation of acidic, basic and neutral drugs from urine with an SPE mixed mode strong anion exchange polymeric resin (SampliQ SAX)". 3rd Symposium, Southern and Eastern Africa Network of Analytical Chemists. Ezulwini, Ezulwini. Swaziland. July 2009.

Tshentu,ZR, Darko,G and Torto,N

Tshentu,ZR, Darko,G and Torto,N. "Enrichment of Cu(II), Ni(II) and Pb(II) in aqueous solutions using electrospun polysulfone nanofibers functionalized with 1-[bis[3-(dimethylamino)-propyl]amino-2-propanol". International Science and Technology Conference. Vaal University of Technology, Vanderbijlpark. South Africa. January 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Antunes,E

Antunes,E. Presentation and Training. "Synthesis and photophysical (FRET) studies of water soluble zinc phthalocyanine derivatives and their interaction with CdTe quantum dots". ESONN'2009 (European School on Nanosciences and Nanotechnologies). Grenoble Institute of Technology. Grenoble, France. 23 August - 12 September 2009.

Antunes,E. Presentation. "The instrumentation used for nanotechnology". DST/Mintek annual NIC "nanotechnology for development" workshop. University of Johannesburg. Johannesburg, South Africa. 23 - 25 September 2009.

Britton,J

Britton,J. Presentation. "Diamond phthalocyanines". JSPF/NRF (Japan Society for Promotion of Science / National Research Foundation) joint research project workshop. Rhodes University. Grahamstown, South Africa. 10 - 11 February 2009.

Britton,J. Presentation. "Initial laser analysis of phthalocyanines to be used in quantum dot conjugate optical limiting study". Prism non-linear absorption workshop. Rhodes University. Grahamstown, South Africa. 31 August 2009.

Chauke,V

Chauke,V. Presentation. "The use of gold nanowires as sensors". DST/Mintek annual NIC "nanotechnology for development" workshop. University of Johannesburg. Johannesburg, South Africa. 23 - 25 September 2009.

Chidawanyika,W

Chidawanyika,W. Presentation. "Phthalocyanines with counter intuitive spectra". JSPF/NRF (Japan Society for Promotion of Science / National Research Foundation) joint research project workshop. Rhodes University. Grahamstown, South Africa. 10 - 11 February 2009.

Chigome,S and Torto,N

Chigome,S and Torto,N. Oral presentation. "Electrospun polymer nanofiber composites for photonic applications". 2nd African Laser Centre student workshop. Cape Town, South Africa. 2 - 5 July 2009.

Eley,C

Eley,C. Presentation. "The study of quantum dots in energy transfer". DST/Mintek annual NIC "nanotechnology for development" workshop. University of Johannesburg. Johannesburg, South Africa. 23 - 25 September 2009.

Fortetooth,S

Fortetooth,S. Presentation. "Development of hydrogen peroxide sensors". DST/Mintek annual NIC "nanotechnology for development" workshop. University of Johannesburg. Johannesburg, South Africa. 23 - 25 September 2009.

Khene,S

Khene,S. Presentation. "Optically active phthalocyanines". *JSPF/NRF (Japan Society for Promotion of Science / National Research Foundation) joint research project workshop*. Rhodes University, CEC. Grahamstown, South Africa. 10 - 11 February 2009.

Litwinski,C

Litwinski,C. Presentation. "Annulated dinuclear phthalocyanine: application of decay associated fluorescence spectroscopy". *2nd African laser centre (ALC) student workshop 2009*. Kariega Game Reserve. Grahamstown, South Africa. 2 - 5 July 2009.

Litwinski,C. Presentation. "Applications of phthalocyanine". *PRISM Non-Linear absorption workshop*. Rhodes University. Grahamstown, South Africa. 31 August 2009.

Litwinski,C. Presentation. *DST/Mintek annual NIC "Nanotechnology for Development" workshop*. University of Johannesburg. Johannesburg, South Africa. 23 - 25 September 2009.

Mbambisa,G

Mbambisa,G. Presentation. "Unsymmetrical phthalocyanines". *JSPF/NRF (Japan Society for Promotion of Science/ National Research Foundation) joint research project workshop*. Rhodes University, CEC. Grahamstown, South Africa. 10 - 11 February 2009.

Mmualefe,LC and Torto,N

Mmualefe,LC and *Torto,N*. Oral presentation. "Sample preparation in environmental monitoring, a case study of the Okavango Delta, Botswana". *International Symposium on Field Toxicology*. Lusaka. Lusaka, Zambia. 14 - 16 October 2009.

Nyokong,T

Nyokong,T. Presentation. "South African principal investigator: fluorescence emission and triplet absorption spectra of phthalocyanines". *JSPF/NRF (Japan Society for Promotion of Science / National Research Foundation) joint research project workshop*. Rhodes University. Grahamstown, South Africa. 10 - 11 February 2009.

Nyokong,T. Presentation. *Prism non-linear absorption workshop*. Rhodes University. Grahamstown, South Africa. 31 August 2009.

Nyokong,T. Presentation. "Nanotechnology innovation centre (NIC) sensors overview". *DST/Mintek annual NIC "nanotechnology for development" workshop*. University of Johannesburg. Johannesburg, South Africa. 23 - 25 September 2009.

Ogunbayo,T

Ogunbayo,T. Presentation. "Effects of open-shell metal on photocatalytic properties of phthalocyanine ligands". *2nd African laser centre (ALC) student workshop 2009*. Kariega Game Reserve. Grahamstown, South Africa. 2 - 5 July 2009.

Torto,N

Torto,N. Oral presentation. "Optimal sample handling, separation and detection: towards total separation systems for biotechnological and environmental samples". *Pitcon Conference & Expo*. Chicago, United States of America. 8 - 13 March 2009.

Torto,N. Oral presentation. "Electrospinning based strategies for sample handling". *3rd SEANAC Symposium*. Ezulwini. Ezulwini, Swaziland. 5 - 8 July 2009.

Torto,N. Oral presentation. "Networking strategies to enhance analytical chemistry in Africa through SEANAC". *Sida-ISP Network Conference*. Addis Ababa, Ethiopia. 1 - 4 September 2009.

Torto,N, Chigome,S and Darko,G

Torto,N, Chigome,S and *Darko,G*. Oral presentation. "Fabrication of electrospun nanofibers for use as sorbents for sample handling". *10th International Symposium: Kinetics in Analytical Chemistry*. Cape Town, South Africa. 2 - 4 December 2009.

Torto,N, Darko,G and Chigome,S

Torto,N, Darko,G and Chigome,S. Oral presentation. "Towards selective electrospun nanofibers for sample handling". 42nd IUPAC Congress. Glasgow. Glasgow, Scotland. 2 - 7 August 2009.

International Visit

Chauke,V

Chauke,V. Ecole Nationale Supérieure de Chimie de Paris, Paris, France. Bilateral agreement. 5 May - 31 July 2009.

Coates,M

Coates,M. Ecole Nationale Supérieure de Chimie de Paris, Paris, France. Bilateral agreement. 1 October - 18 December 2009.

Davies-Coleman,MT

Davies-Coleman,MT. National Cancer Institute, Frederick, Maryland, United States of America. Collaborative research visit. 2 - 13 July 2009.

Masilela,N

Masilela,N. Justus-Liebig University, Giessen, Germany. Bilateral agreement. 2 June - 21 August 2009.

Mbambisa,G

Mbambisa,G. Tohoku University, Sendai, Japan. Bilateral agreement. 24 August - 31 October 2009.

Nyokong,T

Nyokong,T. University of Tromso, Tromso, Norway. Adjunct Professor. 18 - 25 May 2009.

Nyokong,T. University of Western Ontario, Ontario, Canada. Research. 25 May - 1 June 2009.

Nyokong,T. University of Tromso, Tromso, Norway. Adjunct Professor. 2 - 15 June 2009.

Nyokong,T. University of Geneva, Geneva, Switzerland. Bilateral agreement. 15 - 17 June 2009.

Nyokong,T. Ecole Nationale Supérieure de Chimie de Paris, Paris, France. Bilateral agreement. 17 - 25 June 2009.

Nyokong,T. Justus-Liebig University, Giessen, Germany. Bilateral agreement. 25 - 30 June 2009.

Distinguished Visitors

Ashworth,S

Dr S Ashworth. University of East Anglia, Norwich, United Kingdom. Research/collaboration, lecture, SciFest. Mar - Apr 2009.

Bedioui,F

Dr F Bedioui. Ecole Nationale Supérieure de Chimie de Paris, Paris, France. Research/collaboration. Nov - Dec 2009.

Darkwa,J

Professor J Darkwa. Department of chemistry, University of Johannesburg, Johannesburg, South Africa. Pyrazolyl compounds: new nitrogen donor ligands in coordination chemistry, homogenous, C-C transformation catalysis and more. Jul - Aug 2009.

Griveau,S

Dr S Griveau. Ecole Nationale Supérieure de Chimie de Paris, Paris, France. Research/collaboration. Oct - Nov 2009.

Harrison,Tim

Dr Tim Harrison. Bristol ChemLabs outreach, Bristol University, Bristol, United Kingdom. Presentation: 'The chemistry of toothpaste' and lecture: "Extremophile chemistry". Mar - Apr 2009.

Kobayashi,N, Shimizu,S and Mack,J

Professor N Kobayashi, Dr, Shimizu, S and Dr Mack, J. Tohoku University, Sendai, Japan. Research collaboration/workshop. Feb - Mar 2009.

Loewenstein,T

Dr T Loewenstein. Justus-Liebig University, Giessen, Germany. Research (exchange student). Sep - Nov 2009.

Quinton,D

Mr D Quinton. Ecole Nationale Supérieure de Chimie de Paris, Paris, France. Research (exchange student). Oct - Dec 2009.

Rudolph,M

Ms M Rudolph. Justus-Liebig University, Giessen, Germany. Research (exchange student). Aug - Oct 2009.

Schlettwein,D

Professor D Schlettwein. Justus-Liebig University, Giessen, Germany. Research/collaboration, lecture. Sep - Oct 2009.

Professor D Schlettwein. Justus-Liebig University, Giessen, Germany. Barker lecture: 'New concepts and materials for an efficient harvest of solar energy and its transformation into electricity'. Sep - Oct 2009.

Shaibu,RO and Shaibu,RO

Dr RO Shaibu and Dr Shaibu, RO. University of Lagos, Akoka, Nigeria. Research, collaboration. Sep - Nov 2009.

Shallcross,D

Professor D Shallcross. Bristol ChemLabs outreach, Bristol University, Bristol, United Kingdom. SciFest lecture: 'Climate Change: What is it?'. Mar - Apr 2009.

Simoyi,R

Professor R Simoyi. Portland State University, Portland, United States of America. Lecture: 'Selected physiological implications of thiols and thiocarbamides: a mechanistic approach'. Oct - Nov 2009.

Stenken,J

Professor J Stenken. University of Arkansas, Arkansas, United States of America. Lecture: 'In vivo microdialysis sampling for collection of chemical communication proteins and peptides'. Jul - Aug 2009.

Stillman,M

Professor M Stillman. University of Western Ontario, Ontario, Canada. Research/collaboration/workshop. Feb - Mar 2009.

Young,R

Dr R Young. Cork University College, Ireland, Cork, Ireland. Nanotechnology innovations centre seminar: 'Entagled photons from quantum dots'. Jul - Aug 2009.



2009



Centre for Higher Education
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2009 saw the Centre for Higher Education Research, Teaching and Learning beginning to build on the inclusion of 'Research' in its name with the completion of the first tranche of a large piece of contracted research for the Council on Higher Education. The research provided a meta analysis of teaching and learning at five 'research intensive' universities. Over the next three years, the project will encompass all universities in the South African higher education system. In addition to the work for the CHE, **Asta Rau** completed a large piece of research funded by HEAIDS on HIV & AIDS in the curriculum.

CHERTL staff also continued to contribute to research. **Dina Belluigi** achieved a publication in the prestigious *Studies in Higher Education* on creativity and critical thinking in a South African creative arts curriculum. **Lynn Quinn** and **Chrissie Boughey** published the results of their case study research on institutional audits in the international journal, *Quality in Higher Education*. Sub-varieties of South African English is the topic of a paper published by **Leela Piennaar** and **Viv de Klerk**. In 2009 CHERTL staff members presented papers at twelve international and national conferences.

During 2009 CHERTL hosted

Fulbright Senior Specialist, Angie Parker, from North Central University in Arizona. She conducted research into the use of information and communication technologies in teaching and learning at Eastern Cape universities.

The 2009 graduation saw three doctoral graduates supervised by **Chrissie Boughey** receive their degrees, eight Rhodes staff members were awarded Postgraduate Diplomas in Higher Education and one Master of Education, supervised by **Lynn Quinn**.

Professor Chrissie Boughey
Dean & Head of Department

Publications Research Journals in Abstract and/or Full Paper

Belluigi,DZ

Belluigi,DZ. "Exploring the discourses around 'creativity' and 'critical thinking' in a South African creative arts curriculum". Studies in Higher Education. 2009. 34(6),699-717.

Mostert,M and Quinn,LE

Mostert,M and Quinn,LE. "Using ICTs in Teaching and Learning: Reflections on Professional Development of Academic Staff". International Journal of Education and Development Using Ict. 2009. 5(5), <http://ijedict.dec.uwi.edu/index.php>.

Pienaar,L

Pienaar,L and De Klerk,VA. "Towards a corpus of South African english: corralling the sub-varieties". Lexikos. 2009. 19,353-371.

Quinn,LE and Boughey,CM

Quinn,LE and Boughey,CM. "A case study of an institutional audit: a social realist account". Quality in Higher Education. 2009. 15(3),263-278.

Other Publications

Knowles,CR

Knowles,CR. "Women in african higher education: individual and collective resistance and complicity". In: CODESRIA, Gender Institute 2009. Mbow, P (Ed) CODESRIA. Dakar, Senegal.

Rau,A

Rau,A. The curricular response to HIV/AIDS at Rhodes University. Rhodes University: CHERTL. Grahamstown. 2009.

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

Local Conferences

Boughey,CM

Boughey,CM. "Risky business: the interplay between structure and culture in attempts to assure quality at five South African universities". Annual Conference of the Higher Education Learning and Teaching Association of Southern Africa: Risk and Resilience in Higher Education. University of Johannesburg, Johannesburg. South Africa. November 2009.

Boughey,CM. "Inclusion and exclusion in the changing university". SANORD 2nd International Conference. Rhodes University, Grahamstown. South Africa. December 2009.

Knowles,CR

Knowles,CR. "Creating alternative spaces". HERS SA Academy. University of Cape Town Graduate School of Business, Cape Town. South Africa. September 2009.

Mostert,M

Mostert,M. "Institutional ICT policy and strategy to mitigate risk: perceptions of academic staff at Rhodes University". Annual Conference of the Higher Education Learning and Teaching Association of Southern Africa: Risk and Resilience in Higher Education. University of Johannesburg, Johannesburg. South Africa. November 2009.

Mostert, M. (2009). Using ICTs in Higher Education Teaching and Learning: Personal Peripheral Perspectives on Policy and Practice. *Walter Sisulu University eLearning Conference*. Walter Sisulu University, East London. South Africa. November 2009.

Quinn,LE

Quinn,LE. "Professionalisation of academic staff in higher education: constraining and enabling factors". *Annual Conference of the Higher Education Learning and Teaching Association of Southern Africa: Risk and Resilience in Higher Education*. University of Johannesburg, Johannesburg. South Africa. November 2009.

Rau,A

Rau,A. "Towards theorising the integration of HIV/AIDS content and issues into higher education curricula". *HEAIDS-University of Fort Hare Symposium on HIV/AIDS in Higher Education*. Fort Hare University, East London. South Africa. May 2009.

Reynolds,JM

Reynolds,JM. "Papua New Guinea? It's in!': developing expertise in the practice of selecting texts for written assignments in anthropology". *Society for Research in Higher Education Annual Conference*. Celtic Manor, Newport. Wales. December 2009.

Southwood,S

Southwood,S and *Ngcoza,KM.* "Professional networks as spaces for development: beyond the rhetoric?". *SAARMSTE Conference*. Rhodes University, Grahamstown. South Africa. January 2009. Volume 2. 563-572.

Southwood,SL

Southwood,SL. "A provocative proposition for professional development". *Annual Conference of the Higher Education Learning and Teaching Association of Southern Africa: Risk and Resilience in Higher Education*. University of Johannesburg, Johannesburg. South Africa. November 2009.

Vorster,JE

Vorster,JE. "Knowledge and context in collaborative curriculum development, a case study". *Knowledge and Curriculum Symposium*. University of Cape Town, Cape Town. South Africa. July 2009.

Van Niekerk,R and Vorster,JE.

Van Niekerk,R and *Vorster,JE.* "Economic responsiveness in organizational psychology curricula". *Colloquium on Creating Sustainable Empowering Learning Environments Through Scholarship on Engagement*. North-West University, Potchefstroom. South Africa. August 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Hlengwa,AI

Hlengwa,AI. Presentation. "Infusing service-learning in curricula". *Knowledge and Curriculum in Higher Education Symposium*. University of Cape Town Higher and Adult Education Studies and Development Unit (HAESDU) Centre for Higher Education Development (CHED). Cape Town, South Africa. 29 - 30 June 2009.

Hlengwa,AI. Presentation. "Infusing service-learning in curricula: a theoretical exploration of infusion possibilities". *Exploring the edges of the field: new directions for postgraduate research in education*. University of Pretoria. Pretoria, South Africa. 23 October 2009.

Rau,A

Rau,A. Presenter. "Mapping the curricular response to HIV/AIDS at Rhodes University". *Qualitative research: Design and Implementation*. Rhodes University, Department of Education. Grahamstown, South Africa. 10 March 2009.

Distinguished Visitors

Parker,A

Dr A Parker. Northcentral University, Prescott Valley, Arizona, United States of America.

Fulbright senior specialist - collaboration. Apr - May 2009.

Community Engagement

Zondani,V

Hamer,NG and *Zondani,V.* "The impact of government poverty alleviation programmes in three villages of the Ngqushwa municipal area". In: The impact of government poverty alleviation programmes in three villages of the Ngqushwa municipal area. Hamer, NG (Ed) Masifunde Education & Development Project Trust. Grahamstown. 2009. 1-37.



2009



Computer Science



RHODES UNIVERSITY
Where leaders learn

Department of Computer Science

2009 was a busy year from a research point of view in the Computer Science department.

Conferences & visitors: Student and staff presented their research work at several international conferences, locally as well as in foreign countries, including Argentina, Germany, Holland, Italy, Poland, Qatar, Senegal, Swaziland, Uganda and the United States. This year together with the department of Information Systems, the Computer Science department at Rhodes organized a very successful SACLA (South African Computer Lecturers' Association) conference. **Mr Irwin** was on the Program Content Planning Committee for the ITWEB Security Summit 2009. **Prof Alfredo Terzoli** was part of the organizing committee and was track chair for Track 2 of the 2009 Kaleidoscope, the ITU-T academic conference, held in Mar del Plata, Argentina.

A number of international visitors were hosted by the department, including Prof Dennis Riordan from Dalhousie University Canada; Prof Fabrizio Luccio of the University of

Pisa; Ms Helena Tapper, Science Counselor at the Finnish Embassy in South Africa; Ms Kristiina Lahde, CTA of SAFIPA; Ms Robby Gurdan (Tonmeister), CTO of Universal Media Access Networks GmbH, Duesseldorf; and Dr Fisseha Mekuria from the Meraka Institute and Makerere University, Kampala, Uganda.

Awards: 2009 was also a year of awards. **Drs Hannah and Mamello Thinyane** won the TIM (Telecom Italia Mobile) Operator's Award at the 10th SIMagine International Mobile Communication and Java Card Developer Contest, held in the occasion of the Mobile World Congress (MWC) in Barcelona, Spain, in February. Mr Philip Foulkes, a PhD candidate, won one of three best paper awards at the Southern African Telecommunication Networks and Applications Conference (SATNAC) 2009, held at the Royal Swazi Spa, Swaziland. **Prof Alfredo Terzoli** won the 2009 DTI Technology award for the

category *Research Collaboration*. The winners were announced at a ceremony in Cape Town in October, at the presence of the Minister of the Department of Trade and Industry, Mr Rob Davies. Mr Mosiuoa Tsietse, Mr Zelalem Shibeshi and Mr Fred Otten, PhD candidates, won the prize for second place in the regional round of the Innovation Fund competition in November.

Collaboration: The research activity was helped by a rich network of collaborations. Departments collaborating within Rhodes University included Information Systems (Prof David Sewry & Greg Foster); Journalism and Media Studies (Prof Guy Berger and Harry Dugmore); Anthropology (Prof Robin Palmer); African Languages (Dr Lorenzo Dalvit and Ms Pamella Maseko); Education (Dr Lorenzo Dalvit and Ms Sarah Murray). Within South Africa, active collaborators included the Telkom Centre of Excellence in ICT for Development (hosted by the Computer Science department) of Fort Hare University; the Electrical Engineering department of the University of Cape Town, (Mr Neco Ventura); the Computer Science department of the University of the Western Cape (Mr. Bill Tucker); and the Electrical Engineering department of the University of Stellenbosch (Prof. Toit Mouton).

In the rest of Africa, the department collaborated with the University of Namibia, Computer Science department (Dr James Mbale and Ms Kauna Mufeti); the Graduate School of IT (GSIT) of the Ethiopian Telecommunication Corporation (ETC); Makerere University, ICT faculty; and the National University of Lesotho, Computer Science department (Mr Lerato Lerato). Collaborators in the rest of the world included the Fraunhofer FOKUS Institute at TU Berlin, Germany (Dr. Thomas Magedanz); Queensland University of Technology (Professor John Gough); the University of South Australia (Dr. Ben Turnbull); Bristol University (Dr. Alan Chalmers); Utah State University (Prof. Dyke Stiles); Canada's Dalhousie University (Professor Denis Riordan); the University of Pisa, Italy (Profs. Fabrizio Luccio, Giorgio Gallo and Maurizio Bonuccelli); the Freie Universitaet Berlin (Prof. Robert Tolksdorf); and the University

of California, Davis, Computer Science (Dr Raju Pandey).

Beside academia, collaboration was active with civil society, in particular the Dwesa rural community; the Centre for Social Development, through the BingBee deployment at the Raglan Road Multipurpose Centre; and a group of previously disadvantaged schools in the Grahamstown area, which the Telkom Centre of Excellence connects to campus and to the Internet.

Grants & donations: The research activity was made possible by various external grants. The most important are:

- *Telkom Centre of Excellence (CoE) in Distributed Multimedia grant (ongoing, R1,8 million in 2009).* The main source of funding in Computer Science continues to be the CoE, funded by Telkom, Comverse, StorTech, Tellabs and two SMMEs, Amatole Telecommunication Services and Bright Ideas Projects 39. The mix of industry partnerships provides a range of intellectual opportunities, technical support, collaboration relationships, and running funds which are geared by a matching grant from the Department of Trade and Industry THRIP programme. The core theme is currently the development of a media services platform, which incorporates the communication needs of interactive multimedia applications, with delivery across heterogeneous networks, distributed computation for supporting integrated applications, graphics, audio engineering, security, and the requirements of the specific application areas of education, entertainment, and marginalized communities.
- *SANTED UNAM grant (capacity building at the Computer Science department of the University of Namibia, ongoing, R750,000 in 2009).* This grant (R2.25 million for the period 2008-2010) funds research and staff capacity building in the Computer Science department of the University of Namibia. A highlight of the year was the signing of a MoU between Telecom Namibia and the University of Namibia in the middle of the year, attended

by Prof Terzoli who was invited to talk about the Rhodes experience. The MoU was followed by a fact-finding visit to the Rhodes CoE by Mr Victor Hamutenya, Senior Manager: IT infrastructure (Telecom Namibia) and Dr Jameson Mbale, HOD of the CS department at UNAM. One outcome of the MoU is the creation of a Centre of Excellence network in Namibia, modelled on the Telkom Centres of Excellence programme and linked to it.

- *COFISA SiLLMU grant (Siyakhula Living Lab Management Unity, new, R830,000, in collaboration with Fort Hare University)*. The grant is from COFISA (www.cofisa.org.za). The management unit started its operations in August. It offers operational support to the Siyakhula Living Lab in Dwesa and links the lab to LLISA (Living Labs in Southern Africa, llisa.meraka.org.za) and ENoLL (*European Network of Living Lab*, www.openlivinglabs.eu). In 2010, the unit will move to the

pilot Technopark in construction in the East London Industrial Development Zone.

During 2009 another grant was approved, for the period 2010-2011. The grant of R3,6 million in total is from SAFIPA (www.safipa.com) and will fund the initial phase of an ambitious project, codenamed "ESTIMA": the construction of a software factory specializing in ICT4D products. The venture is a collaboration between Rhodes, Fort Hare and a Grahamstown-based ICT start-up, eKhaya ICT.

Finally, **Mr Barry Irwin** was instrumental in getting Old Mutual to release to Rhodes a Sun E6800 Mini Computer, with a current value of about R400,000. The machine has 20 CPUs and 192 GB of RAM. It will give great impulse to the work of the Distributed and Parallel Computing group in the department.

Professor George Wells
Head of Department

Books/Chapters/Monographs

Bangay,S

McNeill,J and *Bangay,S*. "Proceedings of the 2009 annual conference of the Southern African computer lecturers' association". McNeill,J and Bangay, S (Eds). Association for Computing Machinery (ACM). United States of America. First Edition. 2009.

Publications Research Journals in Abstract and/or Full Paper

Foss,R

Bouillot,N, Cooperstock,J, Cohen,E, Cooperstock,JR, Floros,A, Fonseca,N, *Foss,R*, Goodman,M, Grant,J, Gross,K, Harris,S, Harshbarger,B, Heyraud,J, Jonsson,L, Narus,J, Page,M, Snook,T, Tanaka,A, Trieger,J and Zanghieri,U. "AES white paper: best practices in network audio". *Journal of The Audio Engineering Society*. 2009. 57(9),729-741.

Glass,K and Bangay,S

Glass,K and Bangay,S. "A method for automatically creating 3D animated scenes from annotated fiction text". *Iadis International Journal on Computer Science and Information Systems*. 2009. 4(2), <http://www.iadis.org/ijcsis/>.

Halse,M and Mallinson, BJ

Halse,M and Mallinson,BJ. "Investigating popular internet applications as supporting e-learning technologies for teaching and learning with generation Y". *International Journal of Education and Development Using Ict*. 2009. 5(5), <http://ijedict.dec.uwi.edu/viewissue.php>.

Terzoli,A

Dalvit,L, Murray,S and Terzoli,A. "Deconstructing language myths: can english be used as a language of teaching and learning in South Africa?". *Journal of Education*. 2009. 46,33-56.

Terzoli,A, Murray,S and Dalvit,L. "Localising Gramsci's views of folklore in an African context". *Southern African Journal for Folklore Studies*. 2009. 19(1),109-122.

Thinyane,H, Sieborger,I and Hodgkinson-Williams,C

Thinyane,H, Sieborger,I and Hodgkinson-Williams,C. "An investigation into the use of interactive whiteboards in South African schools". *Iadis International Journal on Computer Science and Information Systems*. 2009. 3(2), http://www.iadis.org/ijcsis/vol3_num2.asp.

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

Local Conferences

Barnett,R and Irwin,B

Barnett,R and Irwin,B. "A framework for the rapid development of anomaly detection algorithms in network intrusion detection systems". *Information Security South Africa Conference*. University of Johannesburg, Johannesburg. South Africa. July 2009. 269-278.

Cowie,B, Barnett,R and Irwin,B

Cowie,B, Barnett,R and Irwin,B. "Management, processing and analysis of cryptographic network protocols". *Information Security South Africa (ISSA) Conference*. University of Johannesburg, Johannesburg. South Africa. July 2009. 479-488.

Foulkes,P and Foss,R

Foulkes,P and Foss,R. "Providing interoperability of, and control over, quality of service networks for realtime audio and video devices". *Southern African Telecommunications Networks and Applications Conference*. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 255-260.

Gavaza,T, Thinyane,H and Terzoli,A

Gavaza,T, Thinyane,H and Terzoli,A. "Augmented user interfaces for access for illiterate and semi-literate users". *Southern African Telecommunications Networks and Applications Conference*. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 447-448.

Igumbor,O and Foss,R

Igumbor,O and Foss,R. "A proxy solution for networked audio device interoperability". *Southern African Telecommunications Networks and Applications Conference*. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 173-178.

Irwin,B

Irwin,B. "An eye to the telescope: a case study of an operational network telescope". *2009 ITWeb security summit*. Vodaworld, Midrand. South Africa. May 2009.

Irwin,B and Barnett,R

Irwin,B and Barnett,R. "An analysis of logical network distance on observed packet counts for network telescope data". *Southern African Telecommunications Networks and Applications Conference*. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 191-196.

Kerr,S and Irwin,B

Kerr,S, Foster,GG and Irwin,B. "Rich representation and visualisation of time-series data". *Southern African Telecommunications Networks and Applications Conference*. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 309-314.

Kerr,S and Thinyane,H

Kerr,S, Thinyane,H and Foster,G. "Mobile phone performance analysis for camera based visual interactions". South African Institute of Computer Scientists and Information Technologists Conference. Riverside Hotel and Conference Centre, Vaal River. South Africa. October 2009. 80-86.

Meer,H

Meer,H. "An examination of the generic exploit prevention mechanisms on apple's leopard operating system". Information Security South Africa Conference. University of Johannesburg, Johannesburg. South Africa. July 2009. 137-152.

Mudimba,B and Wentworth,P

Mudimba,B and Wentworth,P. "Building a delivery platform for literacy research and literacy development". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009.

Musvibe,R and Terzoli,A

Musvibe,R and Terzoli,A. "Developing a video on demand service using Mobicents JAINSLEE". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009.

Ncube,S and Thinyane,H

Ncube,S, Thinyane,H and Foster,G. "An investigation into a web based visualisation technique for zoonotic disease outbreaks". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 465-466.

Ndakunda,S-I, Wright,M and Terzoli,A

Ndakunda,S-I, Wright,M and Terzoli,A. "Building a mobile location-based services toolkit for the Mobicents platform". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009.

Nottingham,A and Irwin,B

Nottingham,A and Irwin,B. "Investigating the effect of genetic algorithms on filter optimisation within fast packet classifiers". Information Security South Africa (ISSA) conference. University of Johannesburg, Johannesburg. South Africa. July 2009. 99-116.

Nottingham,A and Irwin,B. "GPF: a GPU accelerated packet classification tool". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 339-344.

Nottingham,A and Irwin,B. "GPU packet classification using OpenCL: a consideration of viable classification methods". South African Institute of Computer Scientists and Information Technologists Conference. Riverside Hotel and Conference Centre, Vaal River. South Africa. October 2009. 160-169.

Otten,F, Thinyane,H and Irwin,B

Otten,F, Thinyane,H and Irwin,B. "Evaluating text pre-processing to improve compression on mail log". South African Institute of Computer Scientists and Information Technologists Conference. Riverside Hotel and Conference Centre, Vaal River. South Africa. October 2009. 44-53.

Ponjou Tasse,F, Glass,K and Bangay,S

Ponjou Tasse,F, Glass,K and Bangay,S. "Simulating crowd phenomena in African markets". Afrigraph 2009: 6th International Conference on Computer Graphics, Virtual Reality, Visualisation and Interaction in Africa. Centurion Lake Hotel, Pretoria. South Africa. February 2009. 47-52.

Pranschke,G-C, Barnett,R and Irwin,B

Pranschke,G-C, Barnett,R and Irwin,B. "Automated firewall rule set generation through passive traffic inspection". Information Security South Africa (ISSA) conference. University of Johannesburg, Johannesburg. South Africa. July 2009. 243-252.

Sahd,C and Thinyane,H

Sahd,C and Thinyane,H. "Audio and video streaming in Bluetooth multi-hop environments". South African Institute of Computer Scientists and Information Technologists Conference. Riverside Hotel and Conference Centre, Vaal River. South Africa. October 2009.

Sahd,C, Thinyane,H and Thinyane,M

Sahd,C, Thinyane,H and Thinyane,M. "An evaluation of a mobile phone platform as a convergent technology for text based communication". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 351-356.

Shibeshi,Z, Terzoli,A and Bradshaw,K

Shibeshi,Z, Terzoli,A and Bradshaw,K. "Developing a toolkit for video-oriented services in the NGN environment". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009.

Shibeshi,Z, Terzoli,A and Bradshaw,K. "Developing a videomail service for iLanga, an asterisk based IP PBX". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 221-226.

Sieborger,I and Terzoli,A

Sieborger,I, Terzoli,A and Hodgkinson-Williams,C. "Thin client cluster server computing: 21st century enablers for schools". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. January 2009.

Sieborger,I and Thinyane,H

Sieborger,I, Thinyane,H and Hodgkinson-Williams,C. "Teachers and learners' perceptions of using the eBeam interactive whiteboard: a case study of three schools in the Eastern Cape of South Africa". Southern African Association for Research in Mathematics, Science and Technology Education. Rhodes University, Grahamstown. South Africa. January 2009. 229-242.

Terzoli,A

Dalvit,L, Murray,S and Terzoli,A. "Revisiting Gramsci's views of folklore in an African context". 11th Annual Conference of the Southern African Folklore Society. Rhodes University, Grahamstown. South Africa. September 2009.

Dalvit,L, Terzoli,A and Murray,S. "Development and implementation of a web-based resource for multilingual ICT education". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 97-101.

Wertlen,R and Terzoli,A. "Peer-to-peer web services for distributed rural ICT". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 373-378.

Tristram,W and Bradshaw,K

Tristram,W and Bradshaw,K. "Benchmarking and optimising software for improved multiprocessor performance". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009.

Tristram,W and Bradshaw,K. "Investigating tools and techniques for improving software performance on multiprocessor systems". South African Institute of Computer Scientists and Information Technologists Conference. Riverside Hotel and Conference Centre, Vaal River. South Africa. October 2009.

Tsietsi,M, Terzoli,A and Wells,G

Tsietsi,M, Terzoli,A and Wells,G. "Mobicents as a service deployment environment for open IMS core". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 421-426.

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

International Conferences

Barnett,R and Irwin,B

Barnett,R and Irwin,B. "A comparison of the resource requirements of snort and bro in production networks". IADIS Applied Computing 2009. Aran Mantegna Hotel, Rome. Italy. November 2009. 94-97.

Foss,R

Gurdan,R and Foss,R. "UMAN: a network technology and control protocol for professional audio and video distribution". 25th Tonnmeistertagung: VDT International Convention. Congress Centre, Leipzig. Germany. November 2008. 407-420.

Foss,R, Klinkradt,B and Chigwamba,N

Foss,R, Gurdan,R, Klinkradt,B and Chigwamba,N. "An integrated connection management and control protocol for audio networks". 127th AES Convention. Jacob K. Javits Convention Centre, New York. United States of America. October 2009. 7941. 1-11.

Thinyane,H

Thinyane,H. "SIM or application layer? An implementation-level analysis on the use of mobile phones for ICT development". International Conference on Computing and ICT Research. Makerere University, Kampala. Uganda. January 2009. 203-212.

Thinyane,H and Thinyane,M

Thinyane,H and Thinyane,M. "iCanSee: a SIM based application for digital inclusion of the visually impaired community". ITU-T Kaleidoscope: Innovations for Digital Inclusion Conference. Hotel Hermitage, Mar del Plata. Argentina. September 2009. 143-148.

Thinyane,M and Terzoli,A

Thinyane,M and Terzoli,A. "Universal digital inclusion: beyond connectivity, affordability and capability". ITU-T Kaleidoscope: Innovations for Digital Inclusion Conference. Hotel Hermitage, Mar del Plata. Argentina. September 2009. 75-84.

Thinyane,M, Terzoli,A and Clayton,P

Thinyane,M, Terzoli,A and Clayton,P. "e-Services provisioning in a community development context through a JADE MAS platform". IEEE/ACM International Conference on Information and Communication Technologies and Development. Education City, Doha. Qatar. April 2009. 320-327.

Thinyane,M, Terzoli,A and Clayton,P. "Preserving the integrity of folklore on knowledge-based service platforms". Knowledge management Africa 2009. The Meridien President Hotel, Dakar. Senegal. May 2009.

Tristram,W and Bradshaw,K

Tristram,W and Bradshaw,K. "Hydra: a python framework for parallel computing". Communicating Process Architectures 2009. Technische Universiteit Eindhoven, Eindhoven. Netherlands. November 2009. 67. 311-324.

Tsietsi,M, Terzoli,A and Wells,G

Tsietsi,M, Terzoli,A and Wells,G. "JAIN SLEE as a service capability interaction manager for the IP multimedia subsystem". The 4th International Conference on Broadband Communication, Information Technology and Biomedical Applications. Wroclaw University of Technology, Wroclaw. Poland. July 2009. 196.

Tsietsi,M, Terzoli,A and Wells,G. "An asterisk-based framework for e-learning using open protocols and open source software". ITU-T Kaleidoscope: Innovations for Digital Inclusion Conference. Hotel Hermitage, Mar del Plata. Argentina. September 2009. 149-154.

Wells,G

Wells,G. "Interprocess communication in Java". 2009 International Conference on Parallel and Distributed Processing Techniques and Applications. The Monte Carlo Hotel, Las Vegas. United States of America. July 2009. 407-413.

Wells,GC

Wells,GC. 40th ACM Technical Symposium on Computer Science Education. Chattanooga Convention Center, Chattanooga. United States of America. March 2009.

Wells,GC. 24th Annual ACM Symposium on Applied Computing. Hilton Hawaiian Village Beach Resort, Honolulu. United States of America. March 2009.

International Visit

Wells,GC

Wells,GC. University of California Davis, Davis, United States of America. Visiting research scholar. 1 January - 30 June 2009.

Distinguished Visitors

Brown,W

Mr W Brown. Monash University, Johannesburg, South Africa. Research collaboration and present seminar. May - Jun 2009.

Luccio,F

Professor F Luccio. University of Pisa, Pisa, Italy. Research collaboration, present seminar series and public lecture. Feb - Mar 2009.

Mekuria,F

Dr F Mekuria. Makerere University, Kampala, Uganda. Research collaboration and present seminar. Sep - Oct 2009.

Riordan,D

Professor D Riordan. Dalhousie University, Halifax, Canada. Research and presentation of an honours module. Mar - Apr 2009.



2009



Drama



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Department of Drama

The Masters presence was again very strong in 2009 with the 8 students registered for the second part of the Masters by coursework. All of these students submitted proposals for the short thesis and all were accepted – 4 of the students have already submitted their theses and the other 4 are about to submit.

Awelani Moyo graduated last year with her Masters and was awarded from UCT the prestigious Gordon Institute of the Performing and Creative Arts Fellowship. She has recently completed her work on that programme and will now be studying at the University of Warwick for a full time 3 year Theatre Studies PhD with the Department of Theatre, Performance and Cultural Policy Studies. She was awarded a studentship for this programme, funded by the Leverhulme Trust. The research programme is entitled "*Performing memory: Theatricalising identity in Contemporary South Africa*".

There is also an impressive international presence when reviewing staff creative and research endeavours for the year. **Associate Professor Andrew**

Buckland performed with the internationally acclaimed Cirque du Soleil in Las Vegas, USA.

Professor Gordon collaborated with staff and students on a theatre production for actors and dancers at Tulane University, New Orleans. A play by **Dr Anton Krueger** was produced at the Adelaide festival in Australia. *Living in Strange Lands* – a new play by Dr Krueger - was presented as part of a Festival of South African Theatre in Argentina.

Ms Alex Sutherland and Dr Krueger both presented papers at the International Federation of Theatre Research in Lisbon, Portugal.

On a national level, staff presented original work in playwriting, contemporary performance and choreography at the FNB Dance Umbrella (Johannesburg), the KKNK (Oudtshoorn), Aardklop

(Potchefstroom), Volksbladfees (Bloemfontein) and the National Arts Festival (Grahamstown). Rhodes Drama with three other departments were finalists in the Sanlam Prize for Afrikaans Theatre. Rhodes Drama won the competition with an impressive range of awards for the production of *Die Bannelinge*. Masters student **Shaun Acker** received the Best Actor Award, **Bauke Snyman** received the Best Script Writer Award, **Heike Gehring** received the Best Director Award, Rhodes received the Best Production Award and Rhodes received a Merit Award for Design.

Alex Sutherland was a co-author of a research report submitted to the NRF in September 2009 entitled '*Testing criteria for recognising practice as research in the performing arts in South Africa with particular reference to the case of drama and theatre 2006 -2008*'. The findings suggest the viability of a peer review

system for artistic practice framed as research, and is being considered by the Department of Education for subsidy purposes.

There have been other excursions into theatre research: **Professor Gordon** has started a research project, "*Choreography for the Camera*" – a series of original dance films devised as education and research materials. New plays, original choreography and unusual collaborations were evident amongst staff creative outputs and a number of graduates from Rhodes Drama were noted for their inspired and intelligent theatrical investigations. For example, **Richard Antrobus** who has just completed the Masters programme (a distinction for his production) presented the highly successful physical comedy, *Stilted*, at the National Arts Festival to full houses.

Professor Gary Gordon
Head of Department

Other Publications

Krueger,A

Krueger,A. "Caitlyn and Thandi" and "Behind the bicycle shed". In: What shall we do now and other one act plays. Smith, K (Ed) Mac Millan. South Africa. 2009. ISBN: 9781770307315.

Krueger,A. "Review of 'Glumlazi'". New Coin. In: New Coin. Warren, C (Ed) ISEA. Grahamstown. 2009. 45(1), 79-81. ISBN: 0028-4459.

Krueger,A. "Three poems". New Coin. In: New Coin. Warren, C (Ed) ISEA. Grahamstown. 2009. 44(2), 18-19. ISBN: 0028-4459.

Krueger,A. "Two poems". In: Green dragon. Cumiskey, G (Ed) Dye Hard Press. Johannesburg. 2009. 6, 40-41. ISBN: 978-0-620-43490-4.

Krueger,A. "Two prose poems". In: Aerial. Chrisensen, A (Ed) ISEA. Grahamstown. 2009. 11-13. ISBN: 0-8680-327-6.

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

Local Conferences

Sutherland,AEM

Sutherland,AEM. "Dramatic spaces in patriarchal contexts: constructions and disruptions of gender in theatre interventions about HIV". 2009 African research conference in applied drama and theatre. University of the Witwatersrand, Johannesburg. South Africa. November 2009.

International Conferences

Krueger,A

Krueger,A. "Free to remember: paradoxes of heritage and transformation in South African Theatre". *International Federation of Theatre Research*. Department of Theatre Studies , Lisbon. Portugal. July 2009.

Sutherland,AEM

Sutherland,AEM. "Theatre, HIV/AIDs and gender: performance strategies for disrupting the unspeakable". *International Federation of Theatre Research*. University of Lisbon, Lisbon. Portugal. July 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Buckland,AF

Buckland,AF. Performer. "*The beatles LOVE*". Cirque du Soleil. Mirage Hotel. Las Vegas, United States of America. January - June 2009.

Buckland,AF. Performer/Writer. "*Inside insight*". Brimarts. Brimarts Theatre. Las Vegas, United States of America. 23 - 30 May 2009.

Buckland,AF. Director. "*The swimming lesson*". Ubom! Eastern Cape drama company. PJ Olivier Theatre. Grahamstown, South Africa. 2 - 9 July 2009.

Buckland,AF. Director. "*Stilted*". First physical theatre company. PJ Olivier Theatre. Grahamstown, South Africa. 2 - 9 July 2009.

Gehring,H

Gehring,H. Director. "*Die bannelinge*". KKNK 2009 (Sanlam prize for afrikaans theatre). Griesselsaal. Oudtshoorn , South Africa. 7 - 10 April 2009.

Gehring,H. Director. "*Die bannelinge*". Drama department first term production. Rhodes Theatre. Grahamstown, South Africa. 22 - 24 April 2009.

Gehring,H. Director. "*NAC script reading fest*". National arts festival. Barrat Theatre. Grahamstown, South Africa. 2 - 9 July 2009.

Gehring,H. Director. "*Die bannelinge*". Die volksbladfees. Eunice Laerskoolsaal. Bloemfontein , South Africa. 17 - 18 July 2009.

Gehring,H. Director. "*Die bannelinge*". Aardklop. President Pretorius Primary School. Potschefstroom , South Africa. 2 - 3 October 2009.

Gehring,H. Facilitator. "*Honours contemporary performance programme*". Theatre in motion 2009. Rhodes Box Theatre. Grahamstown, South Africa. 28 - 31 October 2009.

Gehring,H. Director. "*Hex*". Concert as part of 16 days of activism against abuse against women and children. Rhodes Box Theatre. Grahamstown, South Africa. 28 November 2009.

Gordon,GE

Gordon,GE. Choreographer/Director. "*To watch and be watched*". Original play. Lupin Theatre. New Orleans, United States of America. 3 - 7 March 2009.

Gordon,GE. Choreographer/Director. "*Listening to the rain: a tribute to Anthony Minghella*". Play. Rhodes University Theatre. Grahamstown, South Africa. 21 - 23 May 2009.

Gordon,GE. Concert. "*Some steps for Duchamp's nude as she descends the staircase*". Theatre in motion 2009. Rhodes University Theatre. Grahamstown, South Africa. 28 - 31 October 2009.

Gordon,GE. Concert. "*Lovers*". Collections II. Box Theatre. Grahamstown, South Africa. 13 - 14 November 2009.

Krueger,A

Krueger,A. Co-writer. "*To watch and be watched*". Original play. Lupin Theatre. New Orleans, United States of America. 3 - 7 March 2009.

Krueger,A. Writer. "*Mediocrity*". Adelaide festival fringe. The Bake House Theatre. Adelaide, Australia. 9 - 15 March 2009.

Krueger,A. Writer/Actor. "*Living in strange lands*". Proyecto 34 festival of South African theatre. Teatro Borges. Buenos Aires, Argentina. 21 - 29 April 2009.

Krueger,A. Writer/Actor/Co-director. "*In the blue beaker*". National arts festival fringe. The Highlander. Grahamstown, South Africa. 2 - 11 July 2009.

Krueger,A. Writer/Producer. "*Living in strange lands*". National arts festival fringe. Dicks. Grahamstown, South Africa. 2 - 9 July 2009.

Krueger,A. Writer. "*Living in strange lands*". 969 Festival. The Nunnery. Johannesburg, South Africa. 8 - 12 September 2009.

Praeg,J

Praeg,J. Choreographer. "*Inner piece*". National arts festival. The Nun's Chapel. Grahamstown, South Africa. 2 - 11 July 2009.

Praeg,J. Facilitator for residency programme. "*Ballet boot camp*". Contemporary and physical theatre residency. DSG Studio. Grahamstown, South Africa. 28 - 31 August 2009.

Praeg,J. Choreographer. "*Bird on a wire*". DSG concert performance. DSG Studio. Grahamstown, South Africa. 8 - 9 September 2009.

Praeg,J. Choreographer. "*Study for crying girl*". Theatre in motion 09. Rhodes Box Theatre. Grahamstown, South Africa. 29 - 31 October 2009.

Praeg,J. Choreographer. "*Corpse*". Dance film called 'Breath' in first physical theatre collections 11. Rhodes Theatre. Grahamstown, South Africa. 13 - 14 November 2009.

Sutherland,AEM

Sutherland,AEM. Performer. "*Listening to the rain: a tribute to Anthony Minghella*". Play. Rhodes Theatre. Grahamstown, South Africa. 21 - 23 May 2009.

Sutherland,AEM. Project & artistic director. "*Float*". National Arts Festival fringe. Fort Selwyn. Grahamstown, South Africa. 3 - 6 July 2009.

International Visit

Gehring,H

Gehring,H. Odin Teatret, Holstebro, Denmark. Transit 6 - on the periphery. 6 - 16 August 2009.

Distinguished Visitors

Power,W

W Power. Independent artist, New York, United States of America. Video screening/lecture/seminar.
Aug - Sep 2009.

Wylde,L

L Wylde. Independent artist, Johannesburg , South Africa. Postgraduate voice and speech development.
Feb - Mar 2009.



2009



Economics



RHODES UNIVERSITY
Where leaders learn

Department of Economics

A continued strong demand for post-graduate studies in Economics resulted in growth in student numbers, with the new honours intake at 52 and Masters in Financial Markets at 15. Several new students also enrolled for Masters in Economics by full research thesis and PhDs.

The journal publications this year fell broadly in three categories: financial markets, Cultural Economics and trade policy.

The department had a strong presence at the biennial conference of the South African Economics Society (ESSA) conference, which was held in Port Elizabeth.

Professors **Jen Snowball** and **Gavin Fraser**, who serve on the management committee of the Eastern Cape branch of ESSA, played a major part as members of the organising committee. Contributions were also made to two Rhodes University initiatives this year: **Mr David Fryer** organised the Economics component of the annual "Teach-In" of the Department of Political and International Studies, while **Ms Niki Cattaneo** was co-organiser of "China Week".

The department was successful in its application to the African Economic Research Consortium (AERC) for research funding, which was twofold: a grant to upgrade the master's seminar room into a computerised teaching venue and sponsorship to organise and host a Southern African economic policy workshop. **Professor Meshach Aziakpono** led these initiatives. Further external funding for the department came in the form of an agreement by **Mr David Foord** of Foord Asset Management to extend his sponsorship of the ***Foord Chair in Investments*** for another three year period from 2010-2012.

The annual postgraduate Economics conference, with support from ESSA and sponsorship by the National Treasury, was a great success.

Participation was also drawn from the University of Fort Hare and the Nelson Mandela Metropolitan University.

Dr XP Guma, Deputy Governor of the South African Reserve Bank and Visiting Professor in Economics at Rhodes visited the department in October to deliver his annual postgraduate lectures. Guest lectures were also given by

Mr Clem Sunter (Scenario Planner), Ms Marissa Fassler (National Treasury), Mr Maarten Ackermann (Citadel), Dr Christo Viljoen (Agricultural Futures Consultant), and Prof Evan Gilbert (University of Stellenbosch).

Professor Hugo Nel
Head of Department

Books/Chapters/Monographs

Cattaneo,NS

Cattaneo,NS. "Trade integration, production networks and the services sector: implications for regional trade agreements in southern and eastern Africa". In: *Monitoring regional integration in Southern Africa*. Trade Law Centre for Southern Africa. Stellenbosch. First Edition. 2008. 5-33. ISBN: 978-0-9814221-2-1.

Mutambara,TE

Mutambara,TE. "Regional transport challenges within the Southern Africa development community and their implications for economic integration and development". In: *Monitoring regional integration in Southern Africa*. Trade Law Centre for Southern Africa. Stellenbosch. First Edition. 2008. 34-54. ISBN: 978-0-9814221-2-1.

Publications Research Journals in Abstract and/or Full Paper

Akinkugbe,O

Akinkugbe,O and *Mohanoe,M.* "Public health expenditure as a determinant of health status in Lesotho". *Social Work in Public Health*. 2009. 24(1&2),131-147.

Aziakpono,MJ

Aziakpono,MJ, *Burger,P* and *Du Plessis,S.* "Is financial integration a complement or substitute to domestic financial development in a developing country? Evidence from the SACU countries". *Studies in Economics and Econometrics*. 2009. 33(3),39-67.

Cattaneo,NS

Cattaneo,NS. "Production networks, economic integration and the services sector: implications for regional trade agreements in southern Africa". *Journal of Contemporary African Studies*. 2009. 27(4),527-546.

Chinzara,Z and Aziakpono,MJ

Chinzara,Z and *Aziakpono,MJ.* "Integration of the South African equity market into the world major stock markets: implication for portfolio diversification". *African Finance Journal*. 2009. 95-119.

Chinzara,Z and *Aziakpono,MJ.* "Dynamic returns linkages and volatility transmission between South African and world major stock markets". *Studies in Economics and Econometrics*. 2009. 33(3),69-94.

Fraser,GCG

Baiyegunhi,LJS and *Fraser,GCG.* "Profitability in sorghum production in three villages of Kaduna State Nigeria". *Journal of Applied Sciences Research*. 2009. 5(10), www.insipub.com/jasr/.

Jari,B and *Fraser,GCG.* "An analysis of institutional and technical factors influencing agricultural marketing amongst smallholder farmers in the Kat River Valley, Eastern Cape Province, South Africa". *African Journal of Agricultural Research*. 2009. 4(11), www.academicjournals.org/ajar.

Karoro,T, Aziakpono,MJ and Cattaneo,NS

Karoro, T, Aziakpono, MJ and Cattaneo, NS. "Exchange rate pass-through to import prices in South Africa: is there asymmetry?" . South African Journal of Economics. 2009. 77(3),380-398.

Mutambara,TE

Mutambara, TE. "Regional transport challenges within the Southern African development community and their implications for economic integration and development" . Journal of Contemporary African Studies. 2009. 27(4),501-525.

Snowball,JD

Snowball, JD, Jamal, M and Willis, KG. "Cultural consumption patterns in South Africa: an investigation of the theory of cultural omnivores" . Social Indicators Research. 2009. Online First (September), 1-17.

Willis, KG and Snowball, JD. "Investigating how the attributes of live theatre productions influence consumption choices using conjoint analysis: the example of the National Arts Festival, South Africa" . Journal of Cultural Economics. 2009. 33,167-183.

*Palmer, RM and Snowball, JD. "The willingness to pay for dusky kob *Argyrosomus japonicus* restocking: using recreational linefishing licence fees to fund stock enhancement in South Africa" . ICES Journal of Marine Science. 2009. 66,839-843.*

Other Publications

Cattaneo,NS

Cattaneo, NS. "Services aspects of regional trade agreements" . In: Trade Law Centre for Southern Africa newsletter 16 September. Hartzenberg, T (Ed) Trade Law Centre for Southern Africa (Tralac). Stellenbosch. 2009. 0(0), 1-5.

Keeton,G

Keeton, G. "Between a rock and a hard place" . In: FM campus.

Keeton, G. "Did the budget do enough to deal with the financial crisis?" . In: FM campus.

Keeton, G. "Is protectionism (as is being advocated by the US government) the way to economic recovery?" . In: FM campus.

Keeton, G. "Reweighting of the inflation basket - is it effective and will it achieve what it set out to do?" . In: FM campus.

Keeton, G. "Should a country's mines be nationalised for greater social equity?" . In: FM campus.

Keeton, G. "Should the competition commission be stricter on anti-competitiveness?" . In: FM campus.

Keeton, GR. "Adopting the rand not the answer for Zimbabwe" . In: Business Day. Bruce, P (Ed) BDFM Publishers. Johannesburg. 2009. 12 February.

Keeton, GR. "Exploring alternative routes to a weaker rand" . In: Business Day. Bruce, P (Ed) BDFM Publishers. Johannesburg. 2009. 18 December.

Keeton, GR. "Global experiences of tackling hyperinflation: tentative lessons for Zimbabwe" . In: Brenthurst Discussion Paper. Mills, G (Ed) The Brenthurst Foundation. Johannesburg. 2009.

McNulty,A

McNulty, A. "Zimbabwe: cure is possible but painful" . In: FM campus.

Snowball,JD

Snowball, JD. "Book review: 'The heritage game' by Alan Peacock and Ilde Rizzo" . Journal of Cultural Economics. Snowball, J (Ed) Springer. The Netherlands. 2009. 33(4), 321-324. ISBN: 0885-2545.

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

Local Conferences

Antrobus,G and Achtzehn,MH

Antrobus,G and Achtzehn,MH. "Economic motivations for volunteering: a case study". Economic Society of South Africa Conference 2009. Feather Market Centre, Port Elizabeth. South Africa. September 2009.

Aziakpono,MJ

Aziakpono,MJ and Khomo,MM. "Monetary policy and the predictive power of the yield spread in South Africa". Economic Society of South Africa Conference 2009. Feather Market Centre, Port Elizabeth. South Africa. September 2009.

Aziakpono,MJ and Wilson,M. "Interest rate pass-through and monetary policy regimes in South Africa". Economic Society of South Africa Conference 2009. Feather Market Centre, Port Elizabeth. South Africa. September 2009.

Aziakpono,MJ and Barnor,JA

Aziakpono,MJ and Barnor,JA. "An analysis of money market linkages between South Africa and selected major world economies". Economic Society of South Africa Conference 2009. Feather Market Centre, Port Elizabeth. South Africa. September 2009.

Aziakpono,MJ, Nel,H and Moyo,SS

Aziakpono,MJ, Nel,H and Moyo,SS. "A comparative analysis of the divisia index and the simple sum monetary aggregates for South Africa". Economic Society of South Africa Conference 2009. Feather Market Centre, Port Elizabeth. South Africa. September 2009.

Cattaneo,NS

Cattaneo,NS. "Trade integration, production networks and the services sector: implications for regional trade agreements in southern and eastern Africa". Annual Trade Law Centre for Southern Africa Conference. Commodore Hotel Conference Centre, Cape Town. South Africa. September 2009.

Chinzara,Z

Chinzara,Z. "Transmission of volatility from the US to SA during the sub-prime financial crisis". Southern African Finance Association Conference. UCT Graduate Business School, Cape Town. South Africa. January 2009.

Fraser,GCG

Fraser,GCG. "Poverty incidence among rural households in the Eastern Cape Province, South Africa". Economic Society of South Africa Conference. Feather Market Convention Centre, Port Elizabeth. South Africa. September 2009.

Fraser,GCG. "Credit constraint and household welfare in the Eastern Cape province, South Africa". Agricultural Economics Association of South Africa Conference. Elangeni Hotel, Durban. South Africa. September 2009.

Fraser,GCG. "Determinants of household food security in the semi-arid areas of Zimbabwe: a logistic regression analysis of irrigation and non-irrigation farmers, Matebeleland". Agricultural Economics Association of South Africa Conference. Elangeni Hotel, Durban. South Africa. September 2009.

Fraser,GCG and Hill,MP. "A cost benefit analysis of managing Opuntia stricta in the Kruger National Park, South Africa". Environmental and Resource Economics Conference. Ritz Hotel and Conference Centre, Cape Town. South Africa. May 2009.

Mbatha,CN and Antrobus,GG

Mbatha,CN and Antrobus,GG. "Prices and market structure in South Africa's land reform: a case study of northern KwaZulu-Natal sugarcane farms". Agricultural Economics Association of South Africa. Elangeni Hotel, Durban. South Africa. September 2009.

Roberts,T

Roberts,T. "Farm wages and working conditions in the Albany district 1957-2008". Economic Society of South Africa Conference 2009. Feather Market Centre, Port Elizabeth. South Africa. September 2009.

Snowball,JD

Poor,PJ and *Snowball,JD*. "The valuation of campus built heritage from the student perspective: comparative analysis of Rhodes University in South Africa and St. Mary's College of Maryland in the United States". *Economic Society of South Africa Conference 2009. Feather Market Centre, Port Elizabeth. South Africa. September 2009. Programme.*

International Conferences

Fraser,GCG

Fraser,GCG. "Panel discussion member". Bioenergy for Sustainable Development in Africa: Lessons Learnt from COMPETE. Hilton Hotel, Brussels. Belgium. January 2009.

Snowball,JD

Snowball,JD, Jamal,M and Willis,KG. "Cultural consumption patterns in South Africa: an investigation of the theory of cultural omnivores". 9th Conference of the International Society of Quality of Life Studies. Instituto Degli Innocenti, Florence. Italy. July 2009.



2009



Education



RHODES UNIVERSITY
Where leaders learn

Faculty of Education

The Education Department's 2009 research and publications output paints a picture of enthusiastic and widespread involvement in all of the core functions of this important dimension of academic work.

There is evidence of lively interest and productivity in conference presentations, both national and international, journal articles, as well as post-graduate supervision and graduation of students. As was the case in 2008, there are several joint publications/presentations between academic staff and post-graduate students, as well as publications resulting from collaboration with academics elsewhere, evidence of a healthy research and supervision culture.

The Chair in Environmental Education and Sustainability is increasingly serving as a focal point for research and publications, reflecting a strong interest in sustainability, indigenous knowledge, and learning in diverse contexts including workplaces. Another feature of the research interests of the Chair is the

exploration of critical realism as a research orientation, along with methodological tools and approaches which emphasise community involvement and learning. The Chair in Mathematics Education that is to be established in 2010 promises its own focus and similar growth. Finally, the growing interest in HIV/AIDS is a significant pointer to future research trends.

2010 sees the inception of a new leadership position in the Education Faculty, that of Deputy Dean (Research). It is hoped that this development will help to strengthen, synergise and perhaps focus the research efforts of the Faculty – and of this Department – so that a stronger sense of vision and collaboration may develop.

Professor George Euvrard
Dean of Education

Books/Chapters/Monographs

Ajiboye,JO and Silo,N

Ajiboye,JO and Silo,N. "Environmental education in Botswana, issues, problems and prospects". In: Environmental education in context: an international perspective on the development of environmental education. Sense Publishers. Boston. First Edition. 2009. 137-148. ISBN: 9789087909628.

Baxen,J

Baxen,J. "Performative praxis". Peter Lang. Bern. First Edition. 2009. 1-338. ISBN: 9783039116126.

Baxen,J and Breidlid,A. "HIV/AIDS in Sub-Saharan Africa". Baxen,J and Breidlid, A (Eds). UCT Press. Cape Town. First Edition. 2009. 144 pp.

Lotz-Sisitka,HB

Lotz-Sisitka,HB. "Climate injustice: how should education respond?". In: Education and climate change: living and learning in interesting times. Routledge. New York/London. First Edition. 2009. (4), 71-88. ISBN: 0203866398.

Lotz-Sisitka,HB. "Insights from an environmental education research programme in South Africa". In: Learning/work: turning work and lifelong learning inside out. HCRC Press. Cape Town. First Edition. 2009. (25), 351-363. ISBN: 9780796922830.

Lotz-Sisitka,HB. "Utopianism and educational processes in the United Nations decade of education for sustainable development". In: Young people, education and sustainable development. Wageningen University Press. Wageningen. First Edition. 2009. 43-62. ISBN: 9789086860937.

Lotz-Sisitka,HB and Raven,G. "South Africa: applied competence as the guiding framework for environmental and sustainability education". In: Work, learning and sustainable development: opportunities and challenges. Springer. Heidelberg. First Edition. 2009. 8, 309-318. ISBN: 9781402081934.

Lotz-Sisitka,HB and Olvitt,L

Lotz-Sisitka,HB and Olvitt,L. "South Africa: strengthening responses to sustainable development policy and legislation". In: Work, learning and sustainable development: opportunities and challenges. Springer. Heidelberg. First Edition. 2009. 8, 319-328. ISBN: 9781402081934.

Murray,S

Murray,S. "Making sense of the new curriculum: understanding how the new curriculum works and what it means for language teachers". In: Teaching language. Macmillan South Africa. Gauteng. First Edition. 2009. 11-24. ISBN: 9781770308305.

Murray,S. "Teaching language structure and use: understanding how sounds, words and grammar are used to create texts". In: Teaching language. Macmillan South Africa. Gauteng. First Edition. 2009. 194-209. ISBN: 9781770308305.

Robertson,SA

Robertson,SA. "Home-grown ways of knowing". In: Teaching language. Macmillan. Northlands, Gauteng. First Edition. 2009. 251-263. ISBN: 9781770308305.

Stevens,AW

Stevens,AW. "The introduction and development of technology education in South Africa". In: International handbook of research and development in technology education. Sense. Rotterdam. First Edition. 2009. 131-140. ISBN: 9789087908782.

Publications Research Journals in Abstract and/or Full Paper

Dalvit,L and Murray,S

Dalvit,L, Murray,S and Terzoli,A. "Deconstructing language myths: can english be used as a language of teaching and learning in South Africa?". Journal of Education. 2009. 46,33-56.

Downsborough,L

Downsborough,L. "Understanding social learning processes in a citrus farming community of practice". Southern African Journal of Environmental Education. 2009. 26.

Jackson,MJ

Koch,E, Landon,J, Jackson,MJ and Foli,C. "First brushstrokes: initial comparative results on the additive bilingual education project (ABLE)". Southern African Linguistics and Applied Language Studies. 2009. 27(1),93-111.

Lotz-Sisitka,H

Lotz-Sisitka,H. "Utopianism and educational processes in the united nations decade of education for sustainable development". Canadian Journal of Environmental Education. 2009. 13(1),134-152.

Lotz-Sisitka,H and Kronlid,D. "Editorial: environmental education research in the year of COP 15". Southern African Journal of Environmental Education. 2009. 26, 7-18.

Lotz-Sisitka,H. "Sigtuna think piece 8: piecing together conceptual framings for climate-change education research in southern African contexts". Southern African Journal of Environmental Education. 2009. 26,81-92.

Lotz-Sisitka,HB

Lotz-Sisitka,HB. "Why ontology matters to reviewing environmental education research". Environmental Education Research. 2009. 15(2),165-175.

Lotz-Sisitka,HB. "How many declarations do we need? Inside the drafting of the Bonn declaration on education for sustainable development". Journal of Education for Sustainable Development. 2009. 3(2),205-210.

Lotz-Sisitka,HB. "Epistemological access as an open question in Education". Journal of Education. 2009. 46,57-79.

Mukute,M

Mukute,M. "Cultural historical activity theory, expansive learning and agency in permaculture workplaces". Southern African Journal of Environmental Education. 2009. 26.

Murray,S

Mbelani ,M and Murray,S. "Seeing is natural, but viewing is not: teaching visual literacy in a rural classroom". Education as Change. 2009. 13(1),53-65.

Terzoli,A, Murray,S and Dalvit,L. "Localising Gramsci's views of folklore in an African context". Southern African Journal for Folklore Studies. 2009. 19(1),109-122.

Pesanayi,T

Pesanayi,T. "Sigtuna think piece 6: a case of exploring learning interactions in rural farming communities of practice in Manicaland, Zimbabwe". Southern African Journal of Environmental Education. 2009. 26, 64-73.

Silo,N

Silo,N. "Exploring learner participation in waste management activities in a rural Botswana primary school". Southern African Journal of Environmental Education. 2009. 26,176-192.

Togo,M

Togo,M. "Viewpoint: students as agents of social change - student initiatives at Rhodes University, South Africa". Southern African Journal of Environmental Education. 2009. 26,232-242.

Wilmot,D

Wilmot,D. "A critical review of a school-based intervention in Grade 9 human and social sciences at two South African schools". Journal of Educational Studies. 2009. 8(3),94-111.

Other Publications

Schudel,I

Schudel,I, Zylstra,M, van den Broeck,D and Powell,M. "Greening in the 2009 SAARMSTE conference: raising and facing sustainability challenges". In: Environmental Education Bulletin. Olvitt, L (Ed) Environmental Education Association of Southern Africa. Grahamstown. 2009. 34&35, 26-27. ISBN: 0256 7504.

Schudel,IJ. "Guest editor". In: Environmental Education Bulletin. Schudel, IJ (Ed) Environmental Education Association of Southern Africa. South Africa. 2009. 36, 1-40. ISBN: ISSN 0256 7504.

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

Local Conferences

Atebe,H and Schafer,M

Atebe,H and Schafer,M. "The face of geometry instruction and learning opportunities in selected Nigerian and South African high schools". 17th Annual SAARMSTE Conference. Rhodes University, Grahamstown. South Africa. January 2009. 7-21.

Brown,BJL

Brown,BJL. "&65279, rich conceptualization in mathematics learning: the case of rational numbers". 17th Annual SAARMSTE Conference. Rhodes University, Grahamstown. South Africa. January 2009. 1. 41-53.

Dalvit,L and Murray,S

Dalvit,L, Murray,S and Terzoli,A. "Revisiting Gramsci's views of folklore in an African context". 11th Annual Conference of the Southern African Folklore Society. Rhodes University, Grahamstown. South Africa. September 2009.

Dalvit,L, Terzoli,A and Murray,S. "Development and implementation of a web-based resource for multilingual ICT education". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 97-101.

Hodgkinson-Williams,C

Sieborger,I, Terzoli,A and Hodgkinson-Williams,C. "Thin client cluster server computing: 21st century enablers for schools". Southern African Telecommunications Networks and Applications Conference. Royal Swazi Spa, Ezulwini. Swaziland. January 2009.

Sieborger,I, Thinyane,H and Hodgkinson-Williams,C. "Teachers and learners' perceptions of using the eBeam interactive whiteboard: a case study of three schools in the Eastern Cape of South Africa". 17th Annual SAARMSTE Conference. Rhodes University, Grahamstown. South Africa. January 2009. 229-242.

Lotz-Sisitka,H, Ellery,K, Olvitt,L, Schudel,I, and O'Donoghue,R

Lotz-Sisitka,H, Ellery,K, Olvitt,L, Schudel,I, and O'Donoghue,R. "Cultivating a scholarly community of practice: towards intellectual community". Postgraduate Supervision Conference: Research and Practice. Protea Hotel, Stellenbosch. South Africa. April 2009.

Lotz-Sisitka,HB

Lotz-Sisitka,HB. "Engaging ambivalence and the question of agency in normative curriculum formations". International Association for the Advancement of Curriculum Studies. NH Lord Charles Hotel, Cape Town. South Africa. September 2009.

Mukute,M

Mukute,M. "Change oriented learning and sustainability". The Sixth International Conference on Researching Work and Learning. Roskilde University, Copenhagen. Denmark. June 2009.

Murray,S and Tyatya,G

Murray,S and Tyatya,G. "Finding appropriate methods to teach isiXhosa literacy to underachieving learners in Grade 2". Annual National Conference of Reading Association of South Africa. University of the Witwatersrand, Johannesburg. South Africa. October 2009. 57.

Ngcoza,K

Sewry,JD and Ngcoza,K. "The power of partnerships: improving physical science teaching in the Grahamstown district". SAASTE (SA Association of Science and Technology Educators) Conference. Rhodes University, Grahamstown. South Africa. June 2009.

Sewry,JD, Ngcoza,K, Maselwa,R and Goosen,L. "Tensions and contradictions between policy formulation and practice: what should be the role of research in the education system in South Africa?". 17th Annual SAARMSTE 2009 CONFERENCE. Rhodes University, Grahamstown. South Africa. January 2009.

Ngcoza,K and Sonqwarhu,Z

Ngcoza,K, McNamara,C, Sewry,J, Maselwa,MR, Goosen,LJ, Mushwana,W, Sonqwarhu,Z, and Klein,R. "Collaborative chemistry workshops: towards conceptual development and capacity-building". 17th Annual SAARMSTE 2009 CONFERENCE. Rhodes University, Grahamstown. South Africa. January 2009.

Ngcoza,KM

Southwood,S and Ngcoza,KM. "Professional networks as spaces for development: beyond the rhetoric?". 17th Annual SAARMSTE Conference. Rhodes University, Grahamstown. South Africa. January 2009. Volume 2. 563-572.

O'Donoghue,R

O'Donoghue,R. "Knowledge access in the sciences". 17th Annual SAARMSTE Conference. Rhodes University, Grahamstown. South Africa. January 2009.

Samson,D and Schafer,M

Samson,D and Schafer,M. "An analysis of the influence of question design on learners' approaches to number pattern generalisation tasks". 17th Annual SAARMSTE Conference. Rhodes University, Grahamstown. South Africa. January 2009. 516-523.

Schudel,IJ

Schudel,IJ. "Environmental learning within the South African natural science learning area: exploring successes and challenges in the senior primary phase". 17th Annual SAARMSTE Conference. Rhodes University, Grahamstown. South Africa. January 2009.

Silo,N

Silo,N. "Tensions in learner participation in waste management activities in a Botswana primary school". EEASA Conference. University of Botswana, Gaborone. Botswana. January 2009.

Stevens,AW

Stevens,AW. "Chair of Round Table discussion on research and development in technology education in southern Africa". 17th Annual SAARMSTE Conference. Rhodes University, Grahamstown. South Africa. January 2009.

Tokwe,T and Schafer,M

Tokwe,T and Schafer,M. "Investigating code switching of English Second Language (ESL) teachers in the teaching of mathematics". 17th Annual SAARMSTE Conference. Rhodes University, Grahamstown. South Africa. January 2009. 599-608.

Vandeleur,S and Schafer,M

Vandeleur,S and Schafer,M. "The nature of technology and indigeneous technology and culture: some preliminary perspectives". 17th Annual SAARMSTE Conference. Rhodes University, Grahamstown. South Africa. January 2009. 256-266.

Vandeleur,S and Schafer,M. "'Indigenous knowledge and culture' in the technology curriculum: issues around definition". 17th Annual SAARMSTE Conference. Rhodes University, Grahamstown. South Africa. January 2009. 609-614.

Wilmot,D

Wilmot,D. "'Piloting HIV module in teacher education faculties in higher education institutions in South Africa': third national colloquium". Kopanong Conference Centre, Benoni. South Africa. May 2009.

Rowntree,KM, Fox,R, Wilmot,D and Fraenkel,L. "Promoting inclusivity through active learning: a Southern African-Nordic perspective". SANORD 2nd International Conference. Rhodes University, Grahamstown. South Africa. December 2009.

International Conferences

Euvrard,GJ

Euvrard,GJ. "Creating an African pilgrimage: the challenges of existential learning". The 16th International Conference on Learning. University of Barcelona, Barcelona. Spain. July 2009.

Lotz-Sisitka, HB

Lotz-Sisitka, HB. Facilitating learning related to climate change challenges – what can we learn from the area of ESD? Keynote address for Theme 5: Citizens and Society. Beyond Koyoto: Addressing the Challenges of Climate Change Conference. 5 - 7 March 2009, Aarhus, Denmark.

Lotz-Sisitka, HB. Orientation Session: Evaluation within a Regional Centre of Expertise Context. Plenary paper presented at the United Nations University Regional Centre of Expertise Conference, Quebec, Montreal, Canada, 14-16 May 2009.

Lotz-Sisitka, HB 2009. South African Higher Education Response to Sustainable Development. Keynote paper presented at the 12th Annual General Conference of the African Association of Universities, Abuja Nigeria, 4 - 9 May 2009

Lotz-Sisitka, HB. 2009. 21st century graduates and their work. Insights from Environment and Sustainability Education. Invited keynote at the Swedish ESD Network meeting and launch of the Graduate Research School in Education for Sustainable Development. Uppsalla University, Sweden, 28 October 2009.

Lotz-Sisitka,HB and Ellery,K

Lotz-Sisitka,HB, Bholah,R, Chilish,B, Ellery,K, Jobo,M, Kampamba,R, Ketlhoilwe,MJ, Kojetso, Maila,W, Monjane,A, Namafe,C, Ramakhula,L, Serota,J, Shumba,O and Zealand,E. "Education for sustainable development, education quality and relevance: an overview of the current SADC-REEP research programme". EEASA Conference. University of Botswana, Gabarone. Botswana. July 2009.

Schafer,M

Schafer,M. "Concept literacy in mathematics and science: experiences with the development and use of a multilingual resource book in Xhosa, Zulu, English and Afrikaans in South Africa". 10th International Conference: the Mathematics Education into the 21st Century Project. University of Applied Sciences, Dresden. Germany. September 2009. 512-516.

Wilmot,D

Wilmot,D. "Instructional strategies for effective HIV/AIDS education: a South African perspective". 89th National Council of the Social Studies Annual Conference. Georgia World Congress Centre, Atlanta. Unites States of America. November 2009. 12.

Fox,R, Fraenkel,L, Rowntree,K and *Wilmot,D. "Promoting inclusivity through active learning: a southern African-Nordic perspective". Inclusion and Exclusion in Higher Education: Southern-African-Nordic Centre 2nd International Conference. Rhodes University, Grahamstown. South Africa. December 2009. 47.*

Rowntree,KM, Fox,RC, *Wilmot,D* and Fraenkel,L. "Exploring risk related to future climates through role-playing games: the African catchment game". *Future of the Consumer Society*. University of Tampere, Tampere. Finland. September 2009. 212-221.

Wilmot,D and Fraenkel,L. "Swampfire: a HIV/AIDS simulation for enabling learning about risk and vulnerability". *Future of the Consumer Society*. Finland Futures Research Centre, Turku School of Economics, Tampere. Finland. May 2009. 222-232.

Wilmot,D and Tedrow,B. "Teaching social responsibility through map-making: Southern African and United States perspectives". *89th National Council of the Social Studies Annual Conference*. Georgia World Congress Centre., Atlanta. Unites States of America. November 2009. 16.

Concerts/Exhibitions/Performances/Workshops/Events

Lotz-Sisitka,HB

Lotz-Sisitka,HB, Jickling,B and Ogbuigwe,A. Workshop. "Environmental education, ethics and action". 5th World Environmental Education Congress. Palais des Congrès/Montreal Convention Center. Quebec, Montreal, Canada. 10 - 14 May 2009.

Mukute,M

Mukute,M. Workshop. "Exploring farmer learning processes and practices in sustainable agriculture: The case of the Machobane farming system". Rhodes University masters in EE workshop. Rhodes University. Grahamstown, South Africa. 2 - 6 February 2009.

Mukute,M. Paper presented. "Reflecting on researching: work and learning conference and encounters with Engestrom and/at his stable". PhD Week. Rhodes University, Education Department. Grahamstown, South Africa. 20 - 24 July 2009.

Mukute,M. Presented paper. "Agentive talk". PhD Week 2009. Rhodes University. Grahamstown, South Africa. 19 - 21 October 2009.

Muloongo,AH

Muloongo,AH. Workshop. "Children and learning in the museum: the challenge of reaching out to many". Commonwealth Association of Museums Workshop. Chief Albert Luthuli Museum. Stanger, South Africa. 24 - 29 October 2009.

Murray,S

Murray,S. Facilitator of workshop. "Supervising masters students". Fort Hare University staff development workshop. Fort Hare University. East London, South Africa. 30 - 31 March 2009.

International Visit

Euvsard,GJ

Euvsard,GJ. Oxford University, Oxford, United Kingdom. Met with researchers in pilgrimage connected to the Ian Ramsey centre for science and religion, Oxford University. 10 July 2009.

Schafer,M

Schafer,M. Namibian mathematics congress, Swakopmund, Namibia. Geometry teaching: beyond size and shape? 17 - 20 January 2009.

Schafer,M. University college Lillebaelt, Odense, Denmark. Experiences in the translation of mathematics and science concepts into indigenous languages in South Africa: a case for multilingualism in mathematics? 5 - 14 December 2009.

Schafer,M. University college Lillebaelt, Odense, Denmark. A critical perspective on post-apartheid education in South Africa with specific reference to mathematics education: the honeymoon is over. 6 - 14 December 2009.

Wilmot,D

Wilmot,D, Fox,R, Fraenkel,L and Rowntree,K. Finland future's research centre, Tampere, Finland. 'Understanding sustainability, consumption and risk' as part of the CIMO funded GAME-exchange programme. 28 May 2009.

Distinguished Visitors

Professor Overson Shumba

Professor Overson Shumba, Dean of Science and Technology Education, Copperbelt University, Zambia. October 2009.

Professor Charles Namafe

Professor Charles Namafe, Dean of Research, University of Zambia, Zambia. October, 2009.

Dr Mphemelang Ketlhoilwe

Dr Mphemelang Ketlhoilwe, Senior Lecturer, University of Botswana, Botswana. October 2009.

Ms Raviro Kasembe

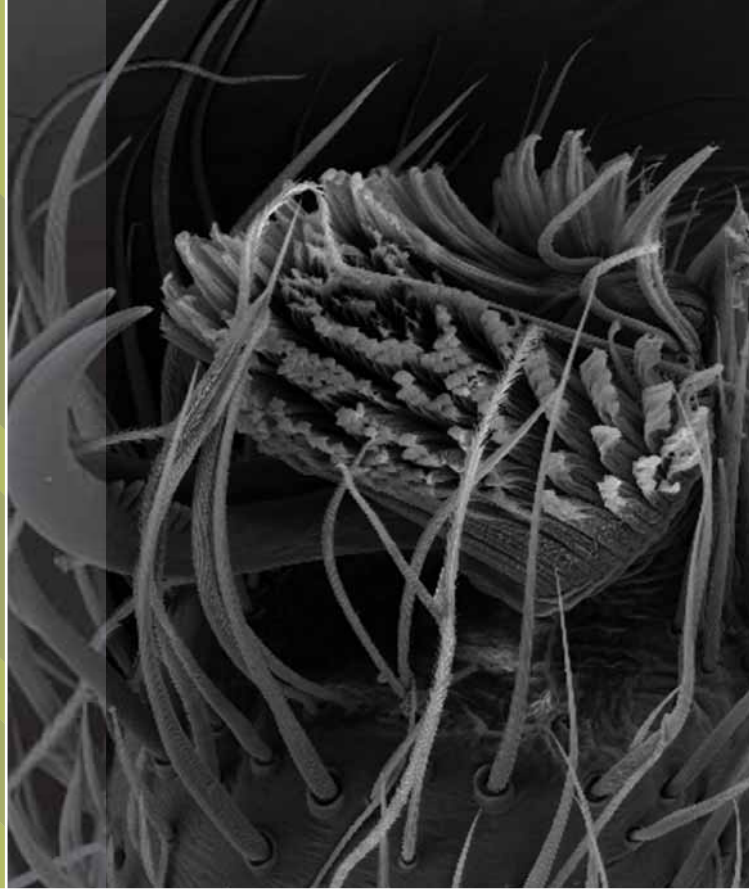
Ms Raviro Kasembe, Lecturer, University of Zimbabwe, Zimbabwe. October 2009.

Mr Gus Zeeland

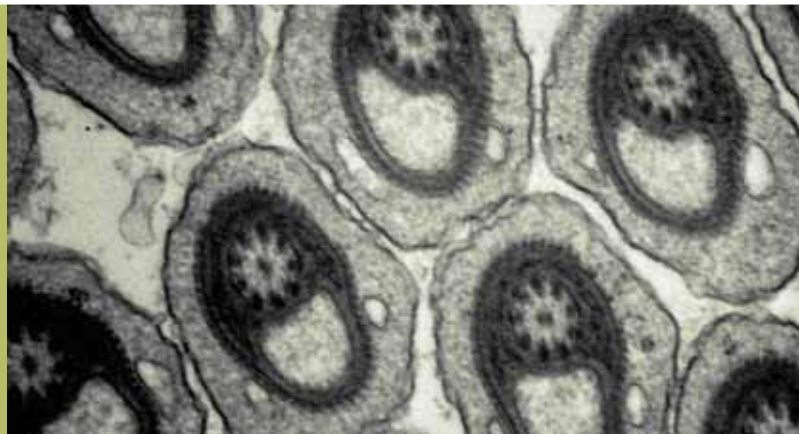
Mr Gus Zeeland, Lecturer, University of Namibia, Namibia. October 2009.



2009



Electron Microscopy Unit



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Where leaders learn

Electron Microscopy Unit

During 2009, despite numerous technical problems with both the scanning and transmission electron microscopes, the unit continued to fulfill its role of facilitating the research of both staff and students (undergraduate and postgraduate). Although the majority of users were from Rhodes University, the unit assisted researchers from other Eastern Cape universities, museums, as well as investigators from several African countries.

Professor Alan Hodgson

Director of Unit

Publications Research Journals in Abstract and/or Full Paper

Pinchuck,SC and Hodgson,A

Pinchuck,SC and Hodgson,AN. "Comparative structure of the lateral pedal defensive glands of three species of Siphonaria (Gastropoda: basommatophora)". Journal of Molluscan Studies. 2009. 75,371-380.



2009



English



RHODES UNIVERSITY
Where leaders learn

Department of English

Although I am newly appointed as Head of Department, it is nevertheless clear to me that the 2009 research output does not accurately reflect the Department's actual level of productivity.

Because subsidy-bearing publications and supervisions are not neatly spread over any given academic year, the achievements of some of the most productive members of staff are not necessarily taken up in the 2009 assessment.

Nevertheless, of the achievements revealed in the assessment, the monographs by **Marais** and **Van Wyk Smith** stand out as highly significant contributions to their respective fields of study.

A research record is usually assessed over a period of at least three years. During any given three-year period, I would expect senior members of staff to produce on average between one and two subsidy-bearing articles per year.

Junior members of staff are generally still working towards the completion of a PhD, or beginning to establish themselves as teachers

and researchers, and are therefore not expected to be quite as productive. All members of staff should aim at converting conference papers into subsidy-bearing publications, and, where applicable, converting chapters from their doctoral research into journal articles.

Supervision of postgraduate students is difficult to assess, as there may not necessarily be students wishing to conduct research in the areas of speciality of any given member of staff.

Nevertheless, postgraduate student enrolments have increased significantly for 2010, so the delivery of master's and doctoral graduates by a greater number of staff members should increase correspondingly.

One of the challenges facing the Department is to ensure a spread of supervisory responsibility, which

will be facilitated through the introduction in
2010 of a system of advisors/co-supervisors.
The mechanics of accreditation of this advisory

role has still, however, to be determined.

Professor Dirk Kloppe
Head of Department

Books/Chapters/Monographs

Marais,MJ

Marais,MJ. "Secretary of the invisible: the idea of hospitality in the fiction of J.M. Coetzee". Rodopi. Amsterdam and New York. First Edition. 2009. 1-249. ISBN: 978-90-420-2712-1.

Schmidt,JM

Schmidt,JM. "Looking back, poolside: disruption, (post-) apartheid white female subjectivity, and returning the gaze". In: Taking a hard look: gender and visual culture. Cambridge Scholars Publishing. Newcastle on Tyne. 2009. 151-164. ISBN: 1-4438-0982-9.

Seddon,D

Seddon,D. "The colonial encounter and the comedy of errors: Solomon Plaatje's *Diphosho-phosho*". In: The Shakespearian International Yearbook. Ashgate. United Kingdom. 2009. 9, 66-86. ISBN: 9780754669166.

Van Wyk Smith,M

Van Wyk Smith,M. "The first Ethiopians: the image of Africa and Africans in the early mediterranean world". Wits University Press. Johannesburg. First Edition. 2009. 1-528. ISBN: 978186814499-0.

Publications Research Journals in Abstract and/or Full Paper

Marais,MJ

Marais,MJ. "Coming into being: J.M. Coetzee's *Slow man* and the aesthetic of hospitality". *Contemporary Literature*. 2009. 50(2),273-298.

Mason,T

Mason,T. "Towards an avian aesthetic of absence". *Alternation: International Journal for The Study of Southern African Literature and Languages*. 2009. 16(2),152-179.

Van Wyk Smith,M

Van Wyk Smith,M. "The Africa that Shakespeare imagined, or, notes for aspirant Film makers". *Shakespeare in Southern Africa*. 2009. 21,31-46.

Van Wyk Smith,M. "Notes from an *inner emigre*: reflections on teaching the poetry of Seamus Heaney in the struggle years in South Africa". *British and Irish Contemporary Poetry*. 2008. 1(1),49-62.

Van Wyk Smith,M. "'The affections of a man of feeling in the midst of the wilderness': Francois Le Vaillant on the South African frontier". *English in Africa*. 2009. 36(2),99-112.

Wylie,D

Wylie,D. "Lines of flight: Sydney Clout's *Birds*". *Alternation: International Journal for The Study of Southern African Literature and Languages*. 2009. 16(2),126-151.

Other Publications

Cornwell,DGN

Cornwell,DGN. "Don MacLennan (1929-2009)". In: English in Africa. Marais, M (Ed) ISEA. Grahamstown. 2009. 36(1), 13-16. ISBN: 0376-8902.

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

Local Conferences

Cornwell,G

Cornwell,G. "Coetzee, Costello, and the inevitability of realism". *Worlds in Dialogue Conference: the Association of University English Teachers of Southern Africa*. North-west University, Potchefstroom. South Africa. July 2009.

Schmidt,JM

Schmidt,JM. "Ghost girls and sponsorbabes: dystopian performances of white femininity in Lauren Beukes' *Moxylant*". *Worlds in dialogue conference. Worlds in Dialogue Conference: the Association of University English Teachers of Southern Africa*. North-West University , Potchestroom. South Africa. July 2009.

Schmidt,JM. "Skin hunger, snapshots: re/framing white women photographers in Henrietta Rose-Innes's 'Shark's egg' and Lauren Beukes's 'Moxylant'". *Post-transitional Literary Studies Symposium*. University of Johannesburg, Johannesburg. South Africa. October 2009.

International Conferences

de Coning,A

de Coning,A. "Sympathising with a monster: an exploration of the abject 'human monster' in Iain Banks' *The wasp factory*". *7th Annual Global Conference on Monsters and the Monstrous: Myths and Metaphors of Enduring Evil*. Mansfield College, Oxford. England. September 2009.



2009



English Language & Linguistics



RHODES UNIVERSITY
Where leaders learn

Department of English Language & Linguistics

Having in 2008 reviewed, revised and consolidated the eight strand undergraduate curriculum, the focus in 2009 shifted to the post-graduate programme. The course-work element of the Honours and M.A. courses was revised to reflect staff specialisations and to promote high quality research. Three PhD students continued working on their theses and one, jointly supervised in the Education Department, made a presentation preparatory to submitting her doctoral research proposal. A Master's student submitted her thesis for examination and two others had their proposals approved by the Higher Degrees Committee, and are making good progress.

Staff were active in their research activities, producing 8 publications in high quality peer-reviewed journals and books and presenting four papers and a poster at international conferences (in Birmingham, Cardiff, Cologne and Newcastle).

Mr Bekker was awarded his PhD, to considerable acclaim. While on sabbatical **Dr de Vos** was a visiting researcher at the Leiden University for Linguistics where he made two presentations. He made further presentations in Utrecht, Brussels and attended talks at the Meertens Institute and University of Amsterdam.

The Department concluded its research collaboration with Stellenbosch University on *Educated mother-tongue South African English* and Dr de Vos completed his SANPAD-funded project titled *Morpho-syntactic variation in varieties of Afrikaans*.

Dr Simango continued his participation in the CASAS project on harmonization and standardization of the orthographies of African languages.

Professor Adendorff and **Dr Simango** are members of the Academy of Science of South Africa; **Dr de Vos** and **Dr Simango** serve on the executive board of

the *Linguistic Society of Southern Africa*, and
Dr Simango is a member of the editorial board
for *Southern African Linguistics and Applied
Language Studies* and *The Open Applied
Linguistics Journal*.

Professor Ralph Adendorff
Head of Department

Books/Chapters/Monographs

De Klerk,VA

Pienaar,L and *De Klerk,VA*. "Towards a corpus of South African english: corralling the sub-varieties".
Lexikos. 2009. 19,353-371.

Simango,SR

Simango,SR. "Awakening sleeping languages: language practices in southern Africa". In: Multilingualism:
an African advantage. CASAS. Cape Town. First Edition. 2009. (67), 237-249. ISBN: 978-1-920447-30-4.

Simango,SR. "Weaning Africa from Europe: toward a mother-tongue education policy in Southern
Africa". In: Languages and education in Africa: a comparative and transdisciplinary analysis. Symposium Books. United
Kingdom. First Edition. 2009. 201-212. ISBN: 1873927175.

Publications Research Journals in Abstract and/or Full Paper

Adendorff,R, de Klerk,V and van Genechten,D

Adendorff,R, de Klerk,V and van Genechten,D. "The expression of affect in discussions about HIV/AIDS".
Text and Talk : An Interdisciplinary Journal of Language, Discourse & Communication Studies. 2009. 29(2),125-149.

de Klerk,V

de Klerk,V. "Using or abusing the TRC? Efforts to transform a South African university". *International
Journal of Diversity in Organisations, Committees and Nations*. 2009. 9(1),27-44.

De Vos,MA

De Vos,MA. "An argument for VP coordination: scene-setting coordination and weak islands". *Southern
African Linguistics and Applied Language Studies*. 2009. 27(1),1-23.

Marshall,C Adendorff,R and de Klerk, V

Marshall,C, Adendorff,R and de Klerk,V. "The role of appraisal in the NRF rating system: an analysis
of judgement and appreciation in peer reviewers' reports". *Southern African Linguistics and Applied Language
Studies*. 2009. 27(4),391-412.

Siebörger,I and Adendorff,R

Siebörger,I and Adendorff,R. "Newspaper literacy and communication for democracy: is there a crisis
in South African journalism?". *Southern African Linguistics and Applied Language Studies*. 2009. 27(4),413-438.

Simango,SR

Simango,SR. "Causative disguised as stative: the affix -ik/-ek in ciCewa". *Southern African Linguistics and
Applied Language Studies*. 2009. 27(2),121-134.

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

Local Conferences

Siebörger,I

Siebörger,I. "Towards a linguistic ethnography of literacy, orality and recontextualization in the parliament of the republic of South Africa". *Rhodes University postgraduate conference 2009*. Rhodes University, Grahamstown. South Africa. November 2009.

International Conferences

Adendorff,R

Adendorff,R. "Contextual constraints, linguistic choice and social change: evidence from sex-worker discourse in a South African city". *European Systemic Functional Linguistics Meeting*. Cardiff University, Cardiff. Wales. July 2009.

de Klerk,V

de Klerk,V. "Using or abusing the TRC? Efforts to transform a South African university". *9th Conference on Diversity in Organisations, Communities and Nations*. Riga. Latvia. June 2009.

de Vos,M

de Vos,M. "Afrikaans mixed adposition orders as a PF-linearization effect: disharmony is a superficial side effect of deeper harmony". *Theoretical Approaches to Disharmonic Word Orders*. Newcastle University, Newcastle. United Kingdom. May 2009.

Siebörger,I and Adendorff,R

Siebörger,I and Adendorff,R. "Towards a linguistic ethnography of recontextualization in the South African parliament". *Explorations in Ethnography, Language and Communication 2009*. Aston University, Birmingham. United Kingdom. September 2009.

Simango,SR

Simango,SR. "The ciNsenga causative construction and the structure of events". *World Congress of African Linguistics 6*. University of Cologne, Cologne. Germany. August 2009.

International Visit

De Vos,MA

De Vos,MA. Leiden University: Centre for Linguistics, Leiden, The Netherlands. Expletives on the interface (research). April - July 2009.



2009



Environmental Biotechnology



RHODES UNIVERSITY
Where leaders learn

Institute of Environmental Biotechnology

The Environmental Biotechnology Research Unit (EBRU) was officially granted institutional status by Rhodes University in December 2008 and is now the Institute for Environmental Biotechnology, Rhodes University (EBRU).

Research at the Institute continues to focus on remedial bio-technologies aimed at valorizing co-product streams for industry. During 2009 intensive studies continued on a two-year R3.3M project to derive an algae-to-energy bioprocess technology system. As part of this endeavour, **Professor Cowan** and his colleagues were invited to address meetings in Rotterdam, Bangkok, and Kuala Lumpur convened for the purpose of exploring algae-to-energy systems as alternatives to fossil fuel. A market ready algae-to-energy system based on the EBRU-IAPS waste-water treatment process is at hand.

IAPS (integrated algae pond systems) as an alternative waste-water treatment technology was explored together with Mvula Trust and DHV (Amersfoort, The Netherlands) and following due

diligence and the development of a business plan in collaboration with DHV, the EBRU-IAPS bioprocess technology is now firmly seated in the DHV portfolio of waste-water treatment products. SSI, a DHV company, was appointed the South African consulting engineers to champion this technology locally.

A joint project between EBRU and the Department of Ichthyology and Fishery Science resulted in the successful completion of a pilot IAPS system at the iBhayi brewery in Port Elizabeth for the treatment of effluent and to recover water for horticulture and aquaculture purposes. EBRU also attracted funding from ESKOM to investigate aspects of anaerobic digestion for potential derivation of a fuel cell. Based on its expertise in microalgae research, EBRU was awarded a six-month testing

agreement by NOVUS International LLC (St Charles, MO) to evaluate microalgae as a source of protein and nutrients for incorporation into animal feeds. Anglo Coal continued its collaboration with EBRU following a R7.5M investment in Fungcoal 3 a four-year R&D programme. This project uses a bioprocess developed at EBRU to convert coal-like waste into soil-like material enhancing soil fertility and soil organic carbon content to mitigate the effects of opencast mining and speed recovery of the land. The first of a number of patents describing Fungcoal technology was registered in 2009.

During the course of 2009 EBRU assisted FrayIntermedia to organize and successfully host a workshop intended to assist journalists in the reporting of science discoveries to enhance public understanding of

biotechnology. Staff at EBRU attended numerous national and international workshops, meetings, and conferences. Additionally, four manuscripts were published in peer-reviewed journals.

It is satisfying that staff from EBRU have actively involved themselves in the Biotechnology Honours programme at the University and that EBRU attracts students wishing to conduct their research at our campus in the Belmont Valley. It is equally satisfying that our postgraduate class has grown substantially in just 18 months. Perhaps more satisfying, is the attention EBRU continues to attract from foreign students and post doctoral researchers and from the broader scientific community.

Professor A. Keith Cowan
Director of Institute

Publications Research Journals in Abstract and/or Full Paper

Cowan,AK

Cowan,AK. "Plant growth promotion by 18:0-lyso-phosphatidylethanolamine involves senescence delay". Plant Signaling and Behavior. 2009. 4(4),324-327.

Hong,JH, Chung,GH and *Cowan,AK. "Lyso-phosphatidylethanolamine-enhanced phenylalanine ammonia-lyase and insoluble acid invertase in isolated radish cotyledons". Plant Growth Regulation. 2009. 57,69-78.*

Hong,JH, Chung,GH and *Cowan,AK. "Delayed leaf senescence by exogenous lyso-phosphatidylethanolamine: towards a mechanism of action". Plant Physiology and Biochemistry. 2009. 47(6),526-534.*

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

Local Conferences

van Breugel,Y

Sciscio,L, Tsikos,H, *van Breugel,Y*, Roberts,DL and Scott,L. "Paleobotany, biogeochemistry and sedimentology of late tertiary fluvial deposits, West Coast, South Africa". *XVIII Biennial Congress of the Southern African Society for Quaternary Research*. Knysna. South Africa. September 2009.

International Conferences

Cowan,AK

Cowan,AK. "A waste-water based algae-to-energy system". 2nd Algae World Asia 2009. Swissotel Nai Lert Park, Bangkok. Thailand. September 2009.

Cowan,AK. "Going green: algae as the source of clean energy". Algae Asia Summit - Algae for Energy. KL-Research Park, Kuala Lumpur. Malaysia. November 2009.

Cowan,AK. "Biorefineries: bioprocess technologies for waste-water treatment, energy and product valorization". 4TH BioNanoTox International Conference. ULRA-Convention Center, Arkansas. United States of America. November 2009.

Cowan,AK and Laubscher,RK

Cowan,AK and Laubscher,RK. AlgaeWorld 09. van der Valk Hotel, Rotterdam. The Netherlands. April 2009.

Laubcher,RK

Laubcher,RK. 2nd Algae World Asia. Swissotel, Bangkok. Thailand. September 2009.

Laubcher,RK. 4th International Conference on Life Cycle Management. International Conference Centre, Cape Town. South Africa. September 2009.

Patents (Final & Provisional)

Rose,PD

Rose,PD. Beneficiation of coal. South Africa. 2008. P6894PC00.

Rose,PD, Igbinigie,EE and Horan,MP

Rose,PD, Igbinigie,EE, Horan,MP, Dames,JF and Mukasa-Mugerwa,TT. Stacked Heap Coal Bioreactor. South Africa. 2009. WO 2009/03119.

Concerts/Exhibitions/Performances/Workshops/Events

Cowan,AK, Igbinigie,EE, Laubscher,RK, Render,D, Johnson,HE, Mambo,P and Tijjani,K

Cowan,AK, Igbinigie,EE, Laubscher,RK, Render,D, Johnson,HE, Mambo,P and Tijjani,K. Pannelists and speakers. "From toxic water to profitable ponds or bugs into the battle: media round table on environmental biotechnology". FrayIntermedia and SAASTA Environmental Biotechnology Workshop. Rhodes University. Grahamstown, South Africa. 4 - 5 August 2009.

Render,DS, Laubscher,RK and Cowan,AK

Render,DS, Laubscher,RK and Cowan,AK. Attendance. 2nd Eastern Cape Biotechnology Foresight Workshop. The Halyards. Port Alfred, South Africa. 18 - 19 February 2009.

International Visit

Cowan,AK

Cowan,AK. Novus international inc, St Louis, MO, United States of America. Presented seminar and short course on 'microalgae biotechnology processes and systems'. 28 - 31 October 2009.

Cowan,AK. Faculty of agriculture, Chonnam National University, Gwangju City, South Korea. Invited lectures to staff and students of agricultural plant sciences titled "the fruits of my labours - toward a new agronomy". 18 - 22 November 2009.

Cowan,AK and Laubscher,RK

Cowan,AK and Laubscher,RK. DHV water, Amersfoort, The Netherlands. Business case for algae pond technology, EBRU. 29 April - 1 May 2009.

van Breugel,Y

Tsikos,H and van Breugel,Y. Netherlands royal institute of sea research, Den Burgh, The Netherlands. Molecular biogeochemistry of organic-rich marls from the Vocontian basin, SE France. 11 January - 27 February 2009.



2009



Environmental Science



RHODES UNIVERSITY
Where leaders learn

Department of Environmental Science

The Department of Environmental Science continues to produce research outputs that are extremely pleasing on a per capita basis. Our performance is well above Rhodes University and national norms as illustrated by the production by 4 staff members of:

One book with **Professor Charlie Shackleton** as the senior editor

- 19 peer reviewed SAPSE accredited journal papers
- 4 chapters in books
- 6 papers presented at conferences

A total of 57 authors contributed to all the peer reviewed publications (including those authors whose name appeared in several publications), with 34 individuals involved in total from many institutions around the world. Collaboration with individuals in other departments at Rhodes University is also a hallmark of the peer reviewed publications, as is the contribution of postgraduate students to authorship of approximately 13 of these papers. It is extremely encouraging to note that the publications are multi-disciplinary and from journals as

diverse as those that focus on forestry and ecology, to those that focus on geomorphology and the physical landscape, to those that focus on economics, the urban environment and development. Student participation is from Honours to Masters and Doctoral degrees, which is testimony to the outstanding quality of postgraduate work conducted in the department.

The book entitled "*African indigenous vegetables in urban agriculture*", published by Earthscan, is an important publication in that it records the importance of indigenous vegetables in urban agricultural settings to people's livelihoods and diet.

An unusually small group of Honours (2009) students graduated in 2010, which was true as well for Masters students. **Cosman Bolus**, **Sandy Collings** and **Mercedes**

Stickler were awarded Masters Degrees. This dip in postgraduate student graduations is at least partly a reflection of the recent turnover of staff in the Department, with **Christo Fabricius** leaving the Department in 2007, and **Fred Ellery** and **Sheona Shackleton** having been recently appointed in 2008 and 2009 respectively.

Charlie Shackleton was on sabbatical in the second half of 2009, and looked forward to a productive 6 months in India in 2010. He was successful in being awarded a VW Foundation Research Grant, which has links with partners

elsewhere in Africa and in Germany, and will support research by postgraduate students.

Sheona Shackleton has attracted research funds to embark on a program to understand and build capacity to assess and increase climate change mitigation and adaptation of vulnerable communities in southern Africa, an initiative that is building links within Rhodes University and with partners elsewhere in southern Africa and in the US and Canada.

Professor Fred Ellery
Head of Department

Books/Chapters/Monographs

Shackleton,CM

Oluoch,MO, Pichop,GN, Silue,D, Abukutsa-Onyango,MO, Diouf,M and *Shackleton,CM*. "Production and harvesting systems for African indigenous vegetables". In: African indigenous vegetables in urban agriculture. Earthscan. London. First Edition. 2009. 145-176. ISBN: 978-1-84407-715-1.

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Shackleton,CM, Pasquini,MW and Drescher,AW. "African indigenous vegetables in urban agriculture". (Eds). Earthscan. London. First Edition. 2009. 298 pp.

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Shackleton,SE and Shackleton,CM

Shackleton,SE, *Shackleton,CM*, Wynberg,R, Sullivan,C, Leakey,R, Mander,M, McHardy,T, den Adel,S, Botelle,A, du Plessis, Lombard,C, Laird,S, Cunningham,T, O'Regan,D and O'Regan,D. "Livelihood trade-offs in the commercialisation of multiple-use NTFP: lessons from marula (*Sclerocarya birrea* subsp. *caffra*) in southern Africa". In: Non-timber forest products: conservation, management and policy in the tropics. ATREE. India. First Edition. 2009. 139-174. ISBN: 81-902338-1-5.

Publications Research Journals in Abstract and/or Full Paper

Amutenya,N, Shackleton,CM and Whittington-Jones,KJ

Amutenya,N, *Shackleton,CM* and *Whittington-Jones,KJ*. "Paper recycling patterns and potential interventions in the education sector: a case study of paper streams at Rhodes University, South Africa". *Resources Conservation and Recycling*. 2009. 53,237-242.

Cundill,G and Fabricius,C

Cundill,G and Fabricius,C. "Monitoring in adaptive co-management: toward a learning based approach". Journal of Environmental Management. 2009. 90,3205-3211.

Davenport,NA and Gambiza,J

Davenport,NA and Gambiza,J. "Municipal commonage policy and livestock owners: findings from the Eastern Cape, South Africa". Land Use Policy. 2009. 26,513-520.

Ellery,WN

Grenfell,SE and Ellery,WN. "Hydrology, sediment transport dynamics and geomorphology of a variable flow river: the Mfolozi river, South Africa". Water SA. 2009. 35(3), 271-282.

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Grenfell,SE, Ellery,WN and Grenfell,MC. "Geomorphology and dynamics of the Mfolozi river floodplain, KwaZulu-Natal, South Africa". Geomorphology. 2009. 107,226-240.

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Mapaure,I, Campbell,BM and Gambiza,J. "Evaluation of the effectiveness of an early peripheral burning strategy in controlling wild fires in north-western Zimbabwe". African Journal of Ecology. 2009. 47,518-527.

Hajat,A and Shackleton,CM

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Kaschula,SA and Shackleton,CM. "Quantity and significance of wild meat off-take by a rural community in the eastern cape, South Africa". Environmental Conservation. 2009. 36(3),192-200.

McGarry,DK and Shackleton,CM

McGarry,DK and Shackleton,CM. "Is HIV/AIDS jeopardizing biodiversity?". Environmental Conservation. 2009. 36(1),5-7.

McGarry,DK and Shackleton,CM. "Children navigating rural poverty: children's use of wild resources to counteract food insecurity in the Eastern Cape, South Africa". Journal of Children and Poverty. 2009. 15(1),19-37.

Paumgarten,F and Shackleton,CM

Paumgarten,F and Shackleton,CM. "Wealth differentiation in household use and trade in non-timber forest products in South Africa". Ecological Economics. 2009. 68,2950-2959.

Powell,M

Pierce,S, Cowling,R, Mills,A, Powell,M and Sigwela,A. "Restoring valuable spekboomveld using the international carbon market". Botanic Gardens Conservation International. 2009. 6(1),13-15.

Shackleton,CM and Shackleton,S

Shackleton,CM and Shackleton,S. "Can tropical forest science contribute to international development agendas?". Journal of Tropical Forest Science. 2009. 21(4),1-2.

Shackleton,CM

Shackleton,CM. "Will the real custodian of natural resource management please stand up". South African Journal of Science. 2009. 105,91-93.

Shackleton,CM, Cundill,G and Knight,AT

Shackleton,CM, Cundill,G and Knight,AT. "Beyond just research: experiences from Southern Africa in developing social learning partnerships for resource conservation initiatives". Biotropica. 2009. 41(5), 563-570.

Shackleton,CM, Parkin,F, Chauke,MI, Downsborough,L, Olsen,A, Brill,G and Weideman,C

*Shackleton,CM, Parkin,F, Chauke,MI, Downsborough,L, Olsen,A, Brill,G and Weideman,C. "Conservation, commercialisation and confusion: harvesting of *Ischyrolepis* in a coastal forest, South Africa". Environment, Development and Sustainability. 2009. 11,229-240.*

Other Publications

Fearon,J and Shackleton,CM

Fearon,J and Shackleton,CM. "A review of natural resource use in and around four Wild Coast reserves in the Eastern Cape, South Africa". In: Research Report. Shackleton, CM (Ed) Eastern Cape Parks. South Africa. 2009. 1-26.

Powell,M

Schudel,I, Zylstra,M, van den Broeck,D and Powell,M. "Greening in the 2009 SAARMSTE conference: raising and facing sustainability challenges". In: Environmental Education Bulletin. Olvitt, L (Ed) Environmental Education Association of Southern Africa. Grahamstown. 2009. 34&35, 26-27. ISBN: 0256 7504.

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

Local Conferences

Collings,S

Collings,S. "Economic consequences of ecological change: valuation of ecosystem services of Lake St Lucia and Mfolozi floodplain, South Africa". Environmental Resource Economics Conference. Ritz Hotel, Cape Town. South Africa. May 2009.

Gambiza,J

*Van der Waal,B, Gambiza,J, Ripley,B and Rowntree,K. "Influence of *Acacia mearnsii* invasion on soil properties in the Kouga mountains, Eastern Cape, South Africa". 10th International Conference: Ecology and Management of Alien Plant Invasions. University of Stellenbosch, Stellenbosch. South Africa. August 2009.*

Shackleton,CM

Alexander,J, Cocks,ML and Shackleton,CM. "A thicket of stories: children's environmental narratives". Annual Thicket Forum. Assegai Trails, Grahamstown. South Africa. August 2009.

Thondhlana,G

Thondhlana,G. "Challenges in making incentive-driven conservation work in complex community situations: the case of the Kalahari". Bioregional Planning Workshop. Kruger National Park, Gauteng. South Africa. October 2009.

International Conferences

McConnaghie,M

McConnaghie,M, Cowling,R, Marais,C, Moore,E and Diford,M. "Identifying the constraints and opportunities for cost-effective restoration of invaded fynbos areas". Ecology and Management of Alien Plant Invasions. Stellenbosch. South Africa. August 2009.

Shackleton,CM

*Shackleton,CM. "Trade-offs in the manual removal of an invasive shrub *Euopys floribundus* in South Africa". International Conference on Invasive Plants in the Tropics: Ecology, Management and Livelihoods. Bangalore, Bangalore. India. January 2009.*

Shackleton,CM. "Poverty alleviation and local economic development through use of natural resources: examples from South Africa". International Conference on Sustainable Use of Energy and Biodiversity Resources for Wealth Creation and Development. Kampala. Uganda. March 2009.



2009



Fine Art



RHODES UNIVERSITY
Where leaders learn

Department of Fine Art

The Department of Fine Art produced an exceptional number of quality outputs covering a full range of research activities during 2009. Of note were significant chapters in books – two published internationally by **Professor Brenda Schmahmann** and one locally by **Professor Ruth Simbao**.

Fifteen local and international journal articles were published by staff in addition to online publications and other non accredited publications including exhibition catalogues. Staff attended and presented papers at seven conferences locally and abroad. Significantly the department also had three Fine Art Masters students read papers at the Rhodes University Postgraduate Conference.

Professors Dominic Thorburn and **Ruth Simbao** undertook international visits to the United Kingdom and China respectively, and **Ms Nomusa Makhubu** received a prestigious invitation to present a lecture workshop in Rome, Italy.

Practice as research outputs were also notable with staff exhibiting

artworks on 31 group exhibitions. **Ms Christine Maree** held a successful solo sculpture exhibition at the Nelson Mandela Metropolitan Art Museum in Port Elizabeth. A highlight achievement was **Mr Nyaniso Lindi**, a department support staff member and part-time student, winning the celebrated and coveted Gerard Sekoto award on the Absa Atelier national art competition.

The Fine Art Department hosted four distinguished visitors – three local artists and academics including Thando Mama, the Standard Bank Young Artist Award Winner for visual arts in 2009, and international visitor Professor Shawn Xiaoqiang Gong from China.

Professor Dominic Thorburn
Head of Department

Books/Chapters/Monographs

Schmahmann,B

Schmahmann,B. "Bodily issues as subject matter: abjection in the works of Penny Siopis and Berni Searle". In: Expressions of the body: representations in African text and image. Peter Lang. Switzerland. First Edition. 2009. 97-120. ISBN: 978-3-03911-546-4.

Schmahmann,B. "Into the breach: Christine Dixie's *Birthing Tray-Honey*". In: Taking a hard look: gender and visual culture. Cambridge Scholars Publishing. Newcastle upon Tyne. First Edition. 2009. 19-36. ISBN: 1-4458-0982-9.

Simbao,R

Simbao,R. "The thirtieth anniversary of June 16: reading the shadow in Sam Nzima's iconic photograph of Hector Pieterse". In: Footprints of the 'Class of 76': commemoration, memory, mapping and heritage. The Hector Pieterse Museum. Johannesburg. First Edition. 2009. 131-176. ISBN: 978-0-620-41917-8.

Publications Research Journals in Abstract and/or Full Paper

Jamal,AA

Jamal,AA. "Unearthed". *Artthrob*. 2009. www.artthrob.co.za

Jamal,AA. "Terror and the City". *African Cities Reader*. 2009. 1(1),120-136.

Jamal,AA. "Nicholas Hlobo". *Art South Africa*. 2009. 8(1),84.

Jamal,AA. "Breaking the barrier of objecthood". *Art South Africa*. 2009. 8(2),30-31.

Jamal,AA. "No apology". *Art South Africa*. 2009. 8(2),52-57.

Jamal,AA. "An eloquent picture gallery: the South African portrait photographs of Gustav Theodor Fritsch, 1863-1865". *De Arte*. 2009. 80,81-83

Jamal,AA. "O-fune-sama: putting the wreck before the ship". *English Studies in Africa*. 2008. 51(2),59-68.

Meistre,BA

Knoetze,JJ and *Meistre,BA.* "Interrogating surveillance: the 50 minute hour". *Surveillance and Society*. 2009. 7(1), <http://www.surveillance-and-society.org/ojs/index.php/journal/article/view/208>

Schmahmann,B

Schmahmann,B. "Face to face negotiations: portraits of leaders at three South African universities". *De Arte*. 2009. 80,14-36.

Simbao,R

Simbao,R. "Infecting the city". *Art South Africa*. 2009. 7(4),83.

Simbao,R. "(Im)moral distance: don't blink". *Art South Africa*. 2009. 8(2),8.

Simbao,R. "Bili Bidjocka and Meshac Gaba". *Art South Africa*. 2009. 8(2),84-85.

Other Publications

de Jager,M

de Jager,M. "A far from passive record (book review: *The smaller works* by Anton van Wouw)". *Historia*. In: *Historia*. Mouton, A (Ed) Historical Association of South Africa. Pretoria. 2009. 54 (1), 347-351. ISBN: ISSN0018-229X.

de Jager, M. "Freeze frames on family (catalogue essay on Nelson Mandela metropolitan art museum biennial award winner - Christine Maree)". In: Nelson Mandela metropolitan art museum biennial exhibition and award. Hillebrand, M (Ed) Nelson Mandela Metropolitan Art Museum. Port Elizabeth. 2009. 32-34. ISBN: 978-0-9584284-446.

Jamal, AA

Jamal, AA. "Consumption and other dead-again experiments". In: 'Save me from what I want' (Francis Goodman exhibition catalogue). Goodman, F and Janse Van Rensburg, S (Eds) Goodman Gallery. Cape Town. 2009. 5-10. ISBN: 978-0-620-45319-6.

Simbao, R

Simbao, R. "'Umtshotsho': Nicholas Hlobo". *Artthrob*. 2009. www.artthrob.co.za

Simbao, R. "A cena Afri nao e o que parece". *Proximo Futuro*. 2009. 1(1), 22-25.

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

Local Conferences

Armstrong, B

Armstrong, B. "Locating space: on investigation into two and three dimensions in art practice". *Rhodes University Postgraduate Conference*. Continuing Education Centre, Rhodes University, Grahamstown. South Africa. November 2009.

Bronner, I

Bronner, I. "Rites of passage in the work of Paul Emmanuel". *Rhodes University Postgraduate Conference*. Continuing Education Centre, Rhodes University, Grahamstown. South Africa. November 2009.

Jamal, AA

Jamal, AA. "South African literature and the future anterior". *Post Transitional Fictions*. University of the Witwatersrand, Johannesburg. South Africa. September 2009.

Lochner, E

Lochner, E. "The democratization of art: the community arts project (CAP) and the role of alternative art spaces in South Africa". *Rhodes University Postgraduate Conference*. Continuing Education Centre, Rhodes University, Grahamstown. South Africa. November 2009.

Makhubu, NM

Makhubu, NM. "The 'Old Dutch' in Phokela: interpretations of African visual theory in a global art history". *South African Visual Art Historians Conference*. University of Pretoria, Pretoria. South Africa. January 2009.

Schmahmann, B

Schmahmann, B. "A framework for recuperation: HIV/AIDS and the *Keiskamma Altarpiece*". *South African Visual Art Historians Conference*. University of Pretoria, Pretoria. South Africa. July 2009.

Simbao, R

Simbao, R. "Forensic aesthetics and cartoon crimes: playing detective in contemporary South African art". *Wits Institute of Social and Economic Research Colloquium on Crime Stories*. University of the Witwatersrand, Johannesburg. South Africa. June 2009.

Simbao, R. "The promiscuity of 'place': contemporary Zambian art and the afiglobal interface". *University of Western Cape Heritage Symposium*. University of Western Cape, Cape Town. South Africa. October 2009.

International Conferences

Schmahmann,B

Schmahmann,B. "Representing HIV/AIDS in South Africa via embroidery: *The Keiskamma Altarpiece*". *Embroidery and Storytelling*. University of Rouen, Rouen. France. December 2009.

Simbao,R

Simbao,R. "Geo-performance in the city: animating 'topographic archives' through site-specific performance and art". *African Studies Association Conference*. African Studies Association, New Orleans. United States of America. November 2009.

Thorburn,D

Thorburn,D. "Print as public interlocutor". *Impact 6th International Multi-disciplinary Printmaking Conference*. University of the West of England, Bristol. United Kingdom. September 2009.

Concerts/Exhibitions/Performances/Workshops/Events

de Jager,M

de Jager,M. Exhibiting artist. "'In dad's karate suit', 'With Grieta in the garden', 'Birthday at Ouma's flat', 'Ouma 1973', 'Ouma 1992', 'Suitcase (plane)', 'Suitcase (shame)', 'Suitcase (picnic)'". New acquisitions. Nelson Mandela Metropolitan Art Museum. Port Elizabeth, South Africa. 11 April - 26 May 2009.

de Jager,M. Exhibiting artist. "'With Purdy' and 'In the wheelbarrow'". "X2" - National arts festival fringe. Albany Museum. Grahamstown, South Africa. 2 - 30 July 2009.

de Jager,M. Exhibiting artist. "'Leave/remain'". 'To those lost'. Albany Museum. Grahamstown, South Africa. 21 September - 30 October 2009.

Dixie,CB

Dixie,CB. Exhibiting artist. "*Birthing tray series 1-9*". "New acquisitions". Nelson Mandela Metropolitan Art Museum. Port Elizabeth, South Africa. 11 April - 26 May 2009.

Dixie,CB. Exhibiting artist. "*Albany gold I and II*". "X2" - National arts festival fringe. Transformation Gallery, Albany Museum. Grahamstown, South Africa. 2 - 30 July 2009.

Dixie,CB. Exhibiting artist. "*In utero*". "To those lost". Transformation Gallery, Albany Museum. Grahamstown, South Africa. 21 September - 1 November 2009.

Dixie,CB. Exhibiting artist. "*Parturition-mucosa*". "The relief print". Nelson Mandela Metropolitan Art Museum. Port Elizabeth, South Africa. 26 September - 12 October 2009.

Dixie,CB. Exhibiting artist. "*In gaps and absences*". "Animals in art". Nelson Mandela Metropolitan Art Museum. Port Elizabeth, South Africa. 11 December - 2 May 2009.

Hipper,M

Hipper,M. Exhibiting artist. 'A bigger picture'. Albany History Museum. Grahamstown, South Africa. 3 - 26 April 2009.

Hipper,M. Exhibiting artist. "'Cast Off' (1, 2 and 3), 'Police Dog', and 'Contortionist' (1, 2 and 3)". 'Fifty...sixty...seventy...eighty...ninety...RIP...'. Erdmann Contemporary Gallery. Cape Town, South Africa. 12 December - 30 January 2009.

Lindi,N

Lindi,N. Exhibiting artist and award winner. "*Tribute to Noria Mabaso*". ABSA Atelier national art competition. ABSA Art Gallery. Johannesburg, South Africa. 2 - 20 August 2009.

Makhubu,NM

Makhubu,NM. Exhibiting artist. *"Who killed goodenough"*. "Umahluko" at the Cape '09 Biennale exhibition of contemporary african culture. Lookout Hill, Khayelitsha. Cape Town, South Africa. 2 May - 21 June 2009.

Makhubu,NM. Exhibiting artist. *"Fragments"*. "X2" - National Arts Festival Fringe. Transformation Gallery, Albany History Museum. Grahamstown, South Africa. 2 - 30 July 2009.

Makhubu,NM. Exhibiting artist. *"Self-portraits"*. Construct: Beyond the Documentary Photograph. Goethe Institute. Johannesburg, South Africa. 30 July - 26 August 2009.

Makhubu,NM. Exhibiting artist. *"Self-portraits"*. Photoquai: 2nd Biennale of World Images. Musee Quai Branly. Paris, France. 22 September - 22 November 2009.

Makhubu,NM. Exhibiting artist. *"Inquietude"*. The World Needs Us. Centro Luigi di Sarro. Rome, Italy. 19 November - 19 December 2009.

Maree,C

Maree,C. Solo exhibitor. *Two Family Portraits*. Nelson Mandela Metropolitan Art Museum. Port Elizabeth, South Africa. 22 October - 25 November 2009.

Meistre,BA

Meistre,BA. Exhibiting artist. *"'Settler','restoration','returned'"*. Construct: beyond the documentary photograph (traveling exhibition). Goethe Institute, Durban Art Gallery, Nelson Mandela Metro Museum, Thomas Pringle Hall, University of Free State. Johannesburg, Durban, Port Elizabeth, Grahamstown, Bloemfontein, South Africa. 5 February - 5 April 2009.

Meistre,BA. Exhibiting artist. *"'Untitled (bread and breadtin)', 'Untitled (archivist and workers glove)'"*. "X2" - National Arts Festival Fringe. Transformation Gallery, Albany Museum. Grahamstown, South Africa. 2 - 30 July 2009.

Meistre,BA. Exhibitor. *"The stranger who licked salt back into our eyes and other histories"*. Collection of six short films. Side Gallery, Rhodes University School of Art Gallery. Grahamstown, South Africa. 2 - 11 July 2009.

Meistre,BA. Exhibiting artist. *"The stranger who licked salt back into our eyes (4 minute 30 second stop-frame animation)"*. Exploration of SA geography (video art traveling exhibition). OliwenHuis Gallery, Sasol Art Museum, ArtSpace Durban, Ann Bryant Gallery, North West University Gallery. Bloemfontein, Stellenbosch, Durban, Potchestroom, South Africa. 4 September - 8 May 2009.

Meistre,BA. Exhibiting artist. *"Untitled 'unamed graves'"*. To Those Lost. Transformation Gallery, Albany History Museum. Grahamstown, South Africa. 21 September - 1 November 2009.

Meistre,BA. Exhibiting artist. *"Witnesses"*. Resolution: the power of innuendo. Association for Visual Arts Gallery. Cape Town, South Africa. 5 December - 7 January 2009.

Meistre,BA and *Knoetze,JJ*. Exhibiting artist. *"Malaise and the Malaise non-test (collaboration with J. Knoetze)"*. Malaise. Foyer Gallery, Albany History Museum. Grahamstown, South Africa. 18 March - 9 April 2009.

Schmahmann,B

Schmahmann,B. Presenter. *"Symbols, heraldry, and portraits"*. Rhodes University colloquium on institutional culture. Rhodes University. Grahamstown, South Africa. 2 - 4 October 2009.

Thorburn,D

Thorburn,D. Exhibiting artist. *"'Mind the gap'"*. "X2" - National Arts Festival Fringe. Albany Museum. Grahamstown, South Africa. 2 - 30 July 2009.

Thorburn,D. Exhibiting Artist. *"'Spectres of Colonel John Graham'"*. "Rendezvous - focus on original lithography": a selection of South African and French contemporary artists. North West University Main Gallery. Potchefstroom, South Africa. 8 October - 4 November 2009.

Thorburn, D. Exhibiting artist. *"'Sunday afternoon thoughts of Monet and Magnus'"*. "Forward>March" end conscription campaign 25 year anniversary exhibition. Spier Estate. Stellenbosch, South Africa. 29 October - 2 November 2009.

Western, NA

Western, NA. Exhibiting artist. *"'Territory', 3 minute stop-motion video"*. An exploration of the southern African geography (video art travelling exhibition). Association of Arts, North West University Gallery, Olievenhuis Art Museum, Sasol Art Museum, artSPACE, Ann Bryant Art Gallery. Pretoria, Potchefstroom, Bloemfontein, Stellenbosch, Durban, East London, South Africa. 26 July - 8 May 2009.

Western, NA. Exhibiting artist. *"'Preserve series', 5 x digital prints on archival paper"*. Elysian fields. UCA Gallery. Cape Town, South Africa. 26 August - 18 September 2009.

Western, NA. Exhibiting Artist. *"'Big girls don't cry', editioned digital photographs on archival paper of live performance"*. Rites of reaty/Rites of passage: print portfolio. The Bag Factory. Johannesburg, South Africa. 26 November - 3 December 2009.

Western, NA. Exhibiting artist. *"'Flying/Falling', 4 minute stop-motion video"*. Summer Salon. UCA Gallery. Cape Town, South Africa. 16 December - 31 January 2009.

International Visit

Makhubu, NM

Makhubu, NM. Accademia di Belle Arti, Rome, Italy. Presented a workshop and lecture. 20 - 24 November 2009.

Simbao, R

Simbao, R. China academy of art and central academy of fine art, Hangzhou and Beijing, China. Research on contemporary Chinese art for an upcoming exhibition and for future staff/student exchanges with Rhodes University. 1 - 12 December 2009.

Thorburn, D

Thorburn, D. Royal College of Art/Royal Academy of Arts, London, United Kingdom. Investigation into contemporary art production and teaching practice. 22 - 25 September 2009.

Distinguished Visitors

Mama, T

T Mama. Independent artist, Durban, South Africa. Lecture and visiting artist. Sep - Oct 2009.

Mr A Lamprecht

A Lamprecht. University of Cape Town, Cape Town, South Africa. Lectures. Oct - Nov 2009.

Prof SX Gong

Prof SX Gong. Institute of african studies, Zhejiang normal university, Zhejiang China. Sept - Oct 2009.

Miss d Victor

D Victor. University of Pretoria, Tshwane, South Africa. Lecture and visiting artist. Oct - Nov 2009.



2009

Geography



RHODES UNIVERSITY
Where leaders learn

Department of Geography

2009 was a year in which we said farewell to four colleagues: **Ms Leanne Kelly, Ms Linda Fraenkel, Mr Gijsbert Hoogendoorn and Ms Sharon Birkholz.**

Ms Fraenkel has departed for the University of Cape Town where she will continue her studies. She completed her Masters degree at Rhodes in 2009 and had a prolific year, co-presenting five papers at local and international conferences, co-authoring a journal article now in press and a paper published in a conference proceedings. Her research work was linked into the department's GAME collaboration with the Finland Futures Research Centre. This CIMO funded programme ran from 2007-9 and centered on the development of role playing simulations as a futures methodology.

Professor Fox and Professor Rowntree proceeded with **Ms Fraenkel**, Dr Di Wilmot from the Education Department and two of our Honours students to run simulations at a summer school in Tampere, Finland. We also presented papers at the conference in Tampere, Finland, associated

with the summer school '*The Future of the Consumer Society*.' We have run these summer schools and presented at the Futures conferences in Finland each year since 2007.

Mr Hoogendoorn took up a position at the University of the Witwatersrand in June. He will be completing his PhD and we expect that his work on second homes will continue appearing in local and international journals.

Ms Birkholz completed her Masters thesis in 2009 and, with her supervisor Professor Rowntree, completed the final report for the project "*A stakeholder driven process for catchment management planning in the Kat River*", funded by the Water Research Commission. Earlier in the year **Professor Rowntree** presented project findings to the International Conference on Implementing Environmental Water

Allocations held in Port Elizabeth. The department hosted Professor Janet Hooke, a geomorphologist from Liverpool University, in a follow up to Ms Kelly's British Council funded visit to the UK in 2008.

Professor Rowntree and **Ms McGregor** both took six months sabbatical leave in 2009. They spent their time in South Africa, Europe and Australia presenting papers at international conferences, international teaching, undertaking field research and preparing research papers for journal publication.

Professor Rowntree is centrally involved in four projects: catchment restoration in the Baviaans Kloof in collaboration with Professor Ellery of Environmental Science, environmental flow assessment in semi-arid areas, the historical assessment of environmental change and land degradation in the Sneeuwberg area of the Karoo, and the GAME project mentioned above. Their funders are the National Research Foundation, Water Research Commission, Department of Water and Environment Affairs, and the Dutch and Finnish governments. She presented three papers co-authored with colleagues in the department and our affiliated Visiting Professor, Ian Foster of Coventry and Northampton Universities. Her catchment based, sediment tracing work was presented at the International Seminar on Small Catchments held in Mallorca, Spain and later at the 7th International Conference on Geomorphology held in Melbourne, Australia. This represented the consolidation of much of their research on sediment dynamics in the Karoo that has been ongoing since 2006. Her work on role-playing simulations of catchment processes was presented with **Professor Fox** and Ms Fraenkel at the Future of the Consumer Society conference held in Tampere, Finland. The three of them also presented a new simulation 'Extraction' at the conference's summer school run by colleagues in the GAME project at the Finland Futures Research Centre. As usual by the end of her sabbatical three papers have been written up and have been submitted for publication and three more are in preparation.

During her sabbatical **Ms McGregor** continued her collaboration with Professor Richard Cowling of Nelson Mandela Metropolitan University (NMMU). They are working on a Geographic Information Systems (GIS) based study investigating the biogeography of spekboom with the aim of identifying optimal sites for thicket restoration projects. She also worked with Prof. Mandy Lombard of NMMU in compiling and processing data for the Ezemvelo-Kwazulu Natal Parks Board SeaPlan project which was launched in June 2009. Whilst undertaking this project she also collected the information for her contribution to the proposed Grade 11 textbook, covering mapping and the use of Geographic Information Systems. She co-presented papers with her Masters student, Mr L. Ngcofe, at the 5th International Conference on Land Degradation, Valenzano, Italy and the International Conference on Land and Water Degradation: Processes and Management held at Magdeburg, Germany. She had two papers submitted for publication at the end of her leave.

Professor Fox continued his research, staff and student exchanges with Nordic Universities. At Högskolan Väst, Trollhättan, Sweden (where he is Guest Professor) he collaborates with Professor Per Assmo using the Linnaeus-Palme programme to exchange two staff and up to eight students each year to undertake minor research programmes. At Linköping University he works with Professor Elin Wihlborg and Dr David Lawrence on the research project 'Safe public e-services - an issue of trust and organisation' funded by the MSB (Swedish Civil Contingencies Agency). Lastly, he works with colleagues at Rhodes and at the Finland Futures Research Centre on the GAME simulations project. He co-presented three papers on open access research with Linköping University colleagues. They were at the IGU Commission on Marginalization International Conference at Universiti Teknologi Mara, Shah Alam, Malaysia, at the HSS09 Conference, Luleå Technical University, Luleå, Sweden and at SANORD 2nd International Conference

'*Inclusion and Exclusion in Higher Education*' Rhodes University, Grahamstown. He also co presented papers with **Professor Rowntree**, Ms Fraenkel and Dr Wilmot at the '*Future of the Consumer Society*' 11th International Conference of the Finland Futures Research Centre and Finland Futures Academy, University of Tampere, Tampere and the SANORD conference mentioned above. In 2010 these conference presentations will be submitted for publication.

In 2010 we will be welcoming two new colleagues into the department. **Professor Ian Meiklejohn** takes up our vacant Physical Geography post. His research is centered around geomorphology and climate change on Marion Island and in Western Dronning Maud Land, Antarctica. This is funded by the NRF under the SANAP programme. **Dr Josh Kirshner** has been appointed to the vacant Urban Geography post. He brings with him a high profile research training from the University

of California and Cornell and a specialisation in migration and integration in urban centres both in Latin America and, more recently, in southern Africa.

In September 2010 we host two conferences the Southern African Association of Geomorphologists (SAAG) biennial conference and SSAG Annual Geography Students' conference. We are expecting our Honours students to present, as usual, at the students' conference. The SAAG conference will incorporate a workshop on sediment tracing techniques, to be run with the help of Professor Ian Foster. This workshop aims to introduce South Africa researchers to the capabilities of the new environmental magnetism, tracing and dating laboratory that we are setting up in 2010 through an NRF National Equipment Programme grant.

Professor Roddy Fox
Head of Department

Publications Research Journals in Abstract and/or Full Paper

Du Preez, L and Gibb, MW

Davidson, JH, *Du Preez, L, Gibb, MW* and Nel, EL. "It's in the bag! Using simulation as a participatory learning method to understand poverty". *Journal of Geography in Higher Education*. 2009. 33(2), 149-168.

Foster, IDL

Boardman, J, Shephard, ML, Walker, E and *Foster, IDL*. "Soil erosion and risk-assessment for on- and off-farm impacts: a test case using the Midhurst area, West Sussex, UK". *Journal of Environmental Management*. 2009. 90(8), 2578-2588.

Mighall, TM, *Foster, IDL*, Crew, P and Finn, A. "Using mineral magnetism to characterise ironworking and detect its evidence in peat bogs". *Journal of Archaeological Science*. 2009. 36, 130-139.

Mighall, TM, Timberlake, S, *Foster, IDL*, Krupp, E and Singh, S. "Ancient copper and lead pollution records from a raised bog complex in Central Wales, UK". *Journal of Archaeological Science*. 2009. 36(7), 1504-1515.

Pittam, NJ, *Foster, IDL* and Mighall, TM. "An integrated lake-catchment approach for determining sediment source changes at Aqualate Mere, Central England". *Journal of Paleolimnology*. 2009. 42, 215-232.

Fox, RC

Fox, RC, Johnston, R, Richards, K, Gandy, M, Taylor, Z, Paasi, A, Serje, M, Yeung, HW-C, Barnes, T, Blunt, A and McDowell, L. "The future of research monographs: an international set of perspectives". *Progress in Human Geography*. 2009. 33(1), 101-126.

Grenfell,SE

Grenfell,SE, Ellery,WN and Grenfell,MC. "Geomorphology and dynamics of the Mfolozi river floodplain, KwaZulu-Natal, South Africa". Geomorphology. 2009. 107,226-240.

McGregor,GK

Kirk-Spriggs,AH and McGregor,GK. "Disjunctions in the Diptera (Insecta) fauna of the Mediterranean province and southern Africa and a discussion of biogeographical considerations". Transactions of the Royal Society of South Africa. 2009. 64(1),32-52.

Rowntree,K

Kakembo,V, Xanga,WW and Rowntree,K. "Topographic thresholds in gully development on the hillslopes of communal areas in Ngqushwa local municipality, Eastern Cape, South Africa". Geomorphology. 2009. 110(3-4),188-194.

Shahid,S

Shahid,S. "Spatial and temporal characteristics of droughts in the western part of Bangladesh". Hydrological Processes. 2009. 22(13),2235-2247.

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

Local Conferences

Fraenkel,L and Fox,RC

Fraenkel,L and Fox,RC. "Learning about water through the African catchment game: the refinement of a role playing simulation". Higher Education as a Social Space conference. Rhodes University, Grahamstown. South Africa. November 2008.

McGregor,GK and Elkington,L

McGregor,GK and Elkington,L. "Thicket in time and space: an interactive poster". Thicket Forum 2009. Assegai Trails, Salem. South Africa. August 2009.

Melly,B and McGregor,GK

Melly,B, McGregor,GK and Plon,S. "Zoogeography of cetaceans in Algoa Bay, South Africa". ZSSA Conference. Hotel, Illovo. South Africa. July 2009.

Ngcofe,L and McGregor,GK

Ngcofe,L, McGregor,GK and Chevalier,L. "The use of tasselled cap analysis and household interviews towards assessment and monitoring of land degradation: a case study within the Wit-kei catchment in the Eastern Cape,South Africa". 5th International Conference on Land Degradation. Hotel, Valenzano. Italy. September 2008.

Rowntree,K, Birkholz,SA and Fox,HE

Rowntree,K, Birkholz,SA, Burt,JC and Fox,HE. "Integrating environmental flow requirements into a stakeholder driven catchment process". International Conference on Implementing Water Allocations. Feather Market Centre, Port Elizabeth. South Africa. February 2009.

Rowntree,KM, Fox,R and Fraenkel,L

Rowntree,KM, Fox,R, Wilmot,D and Fraenkel,L. "Promoting inclusivity through active learning: a Southern African-Nordic perspective". SANORD 2nd International Conference. Rhodes University, Grahamstown. South Africa. December 2009.

Van der Waal,B and Rowntree,K

*Van der Waal,B, Gambiza,J, Ripley,B and Rowntree,K. "Influence of *Acacia mearnsii* invasion on soil properties in the Kouga mountains, Eastern Cape, South Africa". 10th International Conference: Ecology and Management of Alien Plant Invasions. University of Stellenbosch, Stellenbosch. South Africa. August 2009.*

International Conferences

Foster,I and Rowntree,K

Foster,I and Rowntree,K. "Functioning of small catchments in morphological zones". The 7th International Conference on Geomorphology. Melbourne Convention and Exhibition Centre, Melbourne. Australia. July 2009.

Fox,RC, Fraenkel,L and Rowntree,K

Fox,RC, Fraenkel,L, Rowntree,K and Wilmot,D. "Promoting inclusivity through active learning: a southern African-Nordic perspective". Inclusion and Exclusion in Higher Education: Southern-African-Nordic Centre 2nd International Conference. Rhodes University, Grahamstown. South Africa. December 2009. 47.

Fraenkel,L

Wilmot,D and Fraenkel,L. "Swampfire: a HIV/AIDS simulation for enabling learning about risk and vulnerability". Future of the Consumer Society. Finland Futures Research Centre, Turku School of Economics, Tampere. Finland. May 2009. 222-232.

Ngcofe,L and McGregor,GK

Ngcofe,L, McGregor,GK and Chevalier,L. "Can land degradation be predicted? A case study of Qoqodala in the Eastern Cape, South Africa". International conference on land and water degradation: process and management. Hotel, Magdeburg. Germany. September 2009.

Rowntree,K

Grenfell,SE, Grenfell,MC, Aalto,R and Rowntree,K. "Morphodynamics of gullies and floodouts in the semi-arid Karoo, South Africa: implications for short- and long-term landscape evolution". British Society for Geomorphology. Durham University, Durham. United Kingdom. September 2009.

Rowntree,K and Foster,I

Rowntree,K and Foster,I. "Identifying sediment sources, transfers and sinks in a small semi-arid catchment: a case study from the Karoo of South Africa". International seminar on small catchments: 2nd meeting of the IAG/AIG Working Group on Small Catchments. Palma, Mallorca. Spain. May 2009.

Rowntree,KM, Fox,RC and Fraenkel,L

Rowntree,KM, Fox,RC, Wilmot,D and Fraenkel,L. "Exploring risk related to future climates through role-playing games: the African catchment game". Future of the Consumer Society. University of Tampere, Tampere. Finland. September 2009. 212-221.

International Visit

Fox,RC, Fraenkel,L and Rowntree,K

Wilmot,D, Fox,RC, Fraenkel,L and Rowntree,K. Finland future's research centre, Tampere, Finland. 'Understanding sustainability, consumption and risk' as part of the CIMO funded GAME-exchange programme. 28 May 2009.

Fox,RC

Fox,RC. Finland futures research centre, Turku, Finland. North-South-South programme. 1 May - 4 June 2009.

Fox,RC. Höskolan Väst, Trollhättan, Sweden. Linnaeus-Palme exchange programme. 8 - 20 May 2009.

Fox,RC. Höskolan Väst, Trollhättan, Sweden. Guest professor, international programme in politics and economics. 7 September - 3 October 2009.

Fox, R.C. University of Linköping, Linköping, Sweden. Research collaboration: impact of open access research repositories in South Africa and Sweden. 27 September - 3 October 2009.

Distinguished Visitors

Assmo, P

Professor P Assmo. Högskolan Väst, Trollhättan, Sweden. Teaching GOG201, Linnaeus-Palme exchange programme meetings with students. Teaching GOG102, Linnaeus-Palme exchange programme planning meeting. Mar - Oct 2009.

Beavon, K

Professor K Beavon. University of Pretoria, Pretoria, South Africa. Lecturing GOG102 and GOG302. Aug - Sep 2009.

Finlayson, B

Professor B Finlayson. University of Melbourne, Melbourne, Australia. Teaching GOG202. Jul - Sep 2009.

Foster, I

Professor I. Foster. Department of Geography, Environment and Disaster Management, Coventry University, Coventry, United Kingdom. Research collaboration with Professor KM Rowntree through NRF KISC grant. Responsible lecturer for tutorials given as contribution to Honours module in 'Frontiers in geographical thought'. Jan - Sep 2009.

Hietanen, Olli

Mr Olli Hietanen. Finland futures research centre, Turku School of Economics, Turku, Finland. Planning meeting HEI ICI programme. Dec 2009.

Hooke, J

Professor J Hooke. University of Liverpool, Liverpool, United Kingdom. Conducted field research with Ms Kelly and Professor Rowntree. Contributed to Honours module in catchment systems. Apr - May 2009.

Kaisti, H

Ms H Kaisti. Finland Futures Academy, University of Tampere, Tampere, Finland. Teaching GOGHONS 'Frontiers in geographic thought'. May - Jun 2009.

Kuusisto, R

Professor R Kuusisto. Finland Futures Academy, University of Lapland, Rovaniemi, Finland. Teaching GOGHONS 'Frontiers in geographic thought'. Mar - Apr 2009.

Wihlborg, E

Professor E Wihlborg. University of Linköping, Linköping, Sweden. Research collaboration with Professor R Fox. Feb - Mar 2009.



2009



Geology



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Department of Geology

The crisis of the global economy in 2008 strongly influenced the South African mining and exploration sector in 2009, but had not had time to influence decision-making amongst geology postgraduates still clinging to precious and well-remunerated exploration and mining jobs (instead of undertaking research postgraduate degrees).

The Geology Department nonetheless continued to build on its developing strengths from 2007 and 2008, generating 16 research papers in refereed journals and 22 conference abstracts. This represents a 50% increase in journal output, and nearly double the output in conference abstracts since 2008. This is particularly impressive given the significant increase in undergraduate student numbers experienced by the department in 2009, which meant a significantly higher workload for the small staff complement. In addition, staff in the Geology Department participated in 7 international visits for research and student training, in addition to ongoing international field work not necessarily listed here. The Department also hosted 9 international distinguished visitors,

mainly from the U.S.A. and France, for research-related purposes.

Research in the Department showed a good balance between domestic-based and internationally-facilitated research, which is promising as a stable platform for long-term, high-impact fundable research.

Prof. Marsh's ongoing collaboration with scientists from the Institut de Physique du Globe de Paris, as the Principal South African investigator in one of the projects of the joint South African-French "*!Khure Africa*" program, was maintained through continued field and research collaboration.

Dr Tsikos continued his collaborations with European-based colleagues investigating biogeochemical cycles in the near-surface

environment using novel isotope systems.

Dr Bordy continued to be involved in collaborative field-based research between South Africa and Botswana. **Dr Büttner** used his sabbatical to develop analytical and research links with colleagues in the U.K. and Germany, and continued to develop research links with the South African Council for Geoscience aimed at postgraduate training.

While **Dr S. Prevec's** Finnish-supported research was winding down, a new South-African-Chinese collaboration commenced late in the year, along with funding for a South-African-German project planning exchange in 2010. **Dr R. Prevec** continued her ongoing and productive post-doctoral collaboration with colleagues from the U.S.A. and Canada, and our Xstrata Research Fellow in Economic

Geology. **Dr Cabral**, continued to work closely and productively with colleagues in Germany and Brazil on a broad range of field and laboratory-based projects on ore mineralisation in southern and west Africa and South America. The Department's Research Associates also continue to be active and productive affiliates to the Department, maintaining and broadening our research presence in South and southern Africa.

The Geology Department is very encouraged by the growth in postgraduate research and teaching staff which has occurred through the course of 2009, and anticipates a very productive and stable future on this basis.

Dr Stephen Prevec
Head of Department

Publications Research Journals in Abstract and/or Full Paper

Bordy,EM

Bordy,EM, Bumby,A, Catuneanu,O and Eriksson,PG. "Possible trace fossils of putative termite origin in the Lower Jurassic (Karoo Supergroup) of South Africa and Lesotho". South African Journal of Science. 2009. 105,356-362.

Bordy,EM, Sztanó,O, Rubidge,BS and Bumby,A. "Tetrapod Burrows in the southwestern main Karoo basin (Lower Katberg Formation, Beaufort Group), South Africa". Palaeontologia Africana. 2009. 44,95-99.

Bordy,EM and Prevec,R

Bordy ,EM and Prevec,R. "Sedimentology, palaeontology and palaeo-environments of the Middle (?) to Upper Permian Emakwezini Formation (Karoo Supergroup, South Africa)". South African Journal of Geology. 2008. 111(4),429-458.

Büttner,SH

Büttner,SH. "The Ordovician Sierras Pampeanas-Puna basin connection: basement thinning and basin formation in the Proto-Andean back-arc". Tectonophysics. 2009. 477,278-291.

Cabral,AR

Cabral,AR, Beaudoin,G and Taylor,BE. "The transfiguration continental red-bed Cu-Pb-Zn-Ag deposit, Quebec Appalachians, Canada". Mineralium Deposita. 2009. 44,285-301.

Cabral,AR, Lehmann,B, Tupinamba,M, Schlosser,S and Kwitko-Ribeiro,R. "The platiniferous Au-Pd belt of Minas Gerais, Brazil, and genesis of its botryoidal Pt-Pd aggregates". Economic Geology. 2009. 104(8),1265-1276.

Cabral,AR, Vymazalova,A, Lehmann,B, Tupinamba,M, Haloda,J, Laufek,F, Vlcek,V and Kwitko-Ribeira,R. "Poorly crystalline Pd-Hg-Au intermetallic compounds from Corrego Bom Sucesso, southern Serra do Espinhaco, Brazil". European Journal of Mineralogy. 2009. 21,811-816.

Galbiatti, HF, Cabral, AR, Lehmann, B and Kwitko-Ribeira, R. "'Ouro preto' found at Timbopeba iron-ore deposit, Minas Gerais, Brazil". *Neues Jahrbuch Fur Geologie Und Palaontologie-Abhandlungen*. 2009. 253,15-23.

Hennig, D, Lehmann, B, Frei, D, Belyatsky, B, Zhao, XF, Cabral, AR, Zhang, P, Zhou, MF and Schmidt, K. "Early Permian seafloor to continental arc magmatism in the eastern Paleo-Tethys: U-Pb age and Nd-Sm isotope data from the southern Lancangjiang zone, Yunnan, China". *Lithos*. 2009. 113,408-422.

Cabral, AR and Tsikos, H

Cabral, AR, Sattler, CD, Lehmann, B and Tsikos, H. "Geochemistry of some marine Fe-Mn nodules and crusts with respect to Pt contents". *Resource Geology*. 2009. 59(4),400-406.

Hanson, EK, Moore, JM, Bordy, EM, Marsh, JS and Howarth, G

Hanson, EK, Moore, JM, Bordy, EM, Marsh, JS, Howarth, G and Robey, J. "Cretaceous erosion in central South Africa: evidence from upper-crustal xenoliths in kimberlite diatremes". *South African Journal of Geology*. 2009. 112,125-140.

Moore, A

Moore, A, Blenkinsop, T and Cotterill, F. "Southern African topography and erosion history: plumes or plate tectonics?". *Terra Nova*. 2009. 21,310-315.

Moore, AE. "Type II diamonds: flamboyant megacrysts?". *South African Journal of Geology*. 2009. 112(1),23-38.

Moore, AE, Cotterill, FPD, Broderick, T and Plowes, D. "Landscape evolution in Zimbabwe from the Permian to present, with implications for kimberlite prospecting". *South African Journal of Geology*. 2009. 112(1),65-88.

Prevec, R

Aristov, DS, Prevec, R and Mostovski, MB. "New and poorly known grylloblattids (Insecta: Grylloblattida) from the Lopingian of the Lebombo basin, South Africa". *African Invertebrates*. 2009. 50(2),279-286.

Prevec, R, Labandeira, CC, Neveling, J, Gastaldo, RA, Bamford, MK and Looy, CV. "Portrait of a Gondwanan ecosystem: a new Late Permian locality from KwaZulu-Natal, South Africa". *Review of Palaeobotany and Palynology*. 2009. 156,454-493.

Tsikos, H

Gröcke, DR, Rimmer, SM, Yoksoulilian, LE, Cairncross, B, Tsikos, H and van Hunen, J. "No evidence for thermogenic methane release in coal from the Karoo-Ferrar large igneous province". *Earth and Planetary Science Letters*. 2009. 277,204-212.

Other Publications

Prevec, R and Bordy, E

Prevec, R and Bordy, EM. "Book review: Plant, arthropod interactions in the early Angiosperm History: evidence from the Cretaceous of Israel. Edited by V Krassilov and A Rasnitsyn". *African Invertebrates* 17:120-121.

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

Local Conferences

Büttner,SH and Prevec,SA

Büttner,SH and Prevec,SA. "The crustal evolution in the central Namaqualand and the enigma of the Namaqua metamorphic province". Igneous and Metamorphic Studies Group Inaugral Meeting. University of Pretoria, Pretoria. South Africa. January 2009.

De Klerk,WJ

De Klerk,WJ and Forster,CA. "A review of the occurrence of disarticulated Early Cretaceous sauropod dinosaur fossils from the Kirkwood formation of the Oudtshoorn and Algoa Basins, South Africa". 14th Biennial Conference of the Palaeontological Society of Southern Africa. Matjiesfontein, Lainsburg. South Africa. September 2008. 1. 90.

Forster,CA and De Klerk,WJ. "Preliminary report on a new basal iguanodontian dinosaur from the early Cretaceous Kirkwood Formation, South Africa". 14th Biennial Conference of the Palaeontological Society of Southern Africa. Matjiesfontein, Lainsburg. South Africa. September 2008. 1. 98.

Norton,LA, Tafforeau,P, Rubidge,BS and De Klerk,WJ. "Investigation of the tooth replacement patterns of a tapinocephalid dinocephalian using synchrotron microtomography techniques". Science at Synchrotrons Conference. University of Pretoria, Pretoria. South Africa. February 2009. 1. 15-16.

Marsh,JS

Marsh,JS. "Palaeogene phonolites from central Namibia: origin and evolution". Igneous and Metamorphic Studies Group Inaugral Meeting. University of Pretoria, Pretoria. South Africa. January 2009.

Marsh,JS. "The Karoo volcanic province and the Gondwana link". World Heritage and Geotourism 2009. Council for Geoscience, Pretoria. South Africa. June 2009.

Marsh,JS and Mitha,VR

Marsh,JS and Mitha,VR. "Investigating magma supply in the main Karoo basin: geochemical comparison of Karoo dykes and lavas of the Drakensberg Group". Igneous and Metamorphic Studies Group Inaugral Meeting. University of Pretoria, Pretoria. South Africa. January 2009.

Prevec,SA

Prevec,SA. "The implications and interpretations of radiogenic isotopic data in mineralised layered mafic intrusions". Igneous and Metamorphic Studies Group, Inaugral Meeting. University of Pretoria, Pretoria. South Africa. January 2009.

Prevec,SA, Büttner,SH and Kuhn,BK

Prevec,SA, Büttner,SH and Kuhn,BK. "Auto-remelting of crystallised impact melt: tectosilicate oikocrysts in mafic xenoliths, contact sublayer of the Sudbury igneous complex, Canada". Igneous and Metamorphic Studies Group, Inaugral Meeting. University of Pretoria, Pretoria. South Africa. January 2009.

Sciscio,L and Tsikos,H

Sciscio,L, Tsikos,H, van Breugel,Y, Roberts,DL and Scott,L. "Paleobotany, biogeochemistry and sedimentology of Late Tertiary fluvial deposits, West Coast, South Africa". XVIII Biennial Congress of the Southern African Society for Quaternary Research. Knysna. South Africa. September 2009.

International Conferences

Bordy,EM

Bordy,EM and Knoll,F. "Presence of basal Sauropodomorpha in the Lower Jurassic Lisbon Formation (Karoo Supergroup, Ellisras Basin, South Africa)". *69th Annual Meeting of the Society of Vertebrate Paleontology*. Bristol. United Kingdom. September 2009.

Marsicano,CA, Wilson,JA and *Bordy,EM*. "Re-positioning the Triassic-Jurassic boundary in the main Karoo Basin, South Africa?". *10th Mesozoic Terrestrial Ecosystems and Biota*. Teruel. Spain. January 2009.

Büttner,SH

Büttner,SH. "Mechanics of a mid-crustal extensional detachment: the role of heat, melt and rheology". *Granulites and Granulites: Partial Melting and Rheology of Orogenic Lower Crust*. Hrubá Skála Chateau. Czech Republic. July 2009. 6-7.

Cabral,AR

Suh,CE, *Cabral,AR* and Ndime,E. "Geology and ore fabrics of the Nkout high-grade haematite deposit, southern Cameroon". *10th Biennial SGA Meeting of the Society for Geology Applied to Mineral Deposits*. Townsville Entertainment and Convention Centre, Townsville. Australia. April 2009. 2. 558-560.

De Klerk,WJ

Norton,L, Tafforeau,P, Rubidge,BS and *De Klerk,WJ*. "Use of synchrotron microtomography to examine tooth replacement patterns in a tapinocephalid dinocephalian". *69th Meeting for the Society of Vertebrate Palaeontology*. University of Bristol, Bristol. United Kingdom. September 2009. 1. 125.

Marsh,JS

Lehman,A, Ferre,EC, Geissman,JW, *Marsh,JS*, Marsh,MC, Mare,LP, Ranaweera,CK and Maes,SM. "Magma flow pattern in a giant dolerite sill and implications for the Karoo mantle plume hypothesis". *Fall Meeting American Geophysical Union*. Conference Centre, San Francisco. United States of America. December 2009. V23E-2155.

Mare,LP, Ferre,EC, Ranaweera,CK, Marsh,MC and *Marsh,JS*. "Magmatic evaluation of the thermal history of the Karoo basin, South Africa". *Fall Meeting American Geophysical Union*. Conference Centre, San Francisco. United States of America. December 2009. GP42A-03.

Moulin,M, Jay,FA, Fluteau,F, Courtillot,V, *Marsh,JS*, Delpech,G, Quidelleur,X and Gerard,M. "Magnetostatigraphy and dating of the Naudes Nek section (Karoo Traps, South Africa) ongoing analysis of the eruptive sequence". *Annual Meeting of the Geological Society of America*. Portland, Portland. United States of America. September 2009. 160214.

Moulin,M, Jay,FA, Fluteau,F, Courtillot,V, *Marsh,JS*, Delpech,G, Quidelleur,X and Gerard,M. "Magnetostatigraphy and dating of the Karoo Traps (South Africa) in relation to the end-Pliensbachian extinction event: progress report". *Fall Meeting of the American Geophysical Union*. Conference Centre, San Francisco. United States of America. December 2009.

Ranaweera,CK, Ferre,EC, Polteau,S, Marsh,MC, Mare,LP, *Marsh,JS*, Maes,SM and Geissman,JW. "Magma flow pattern inferred from magnetic fabrics in a 100km-long dolerite dike, Karoo LIP, South Africa". *Fall Meeting of the American Geophysical Union*. Conference Centre, San Francisco. United States of America. January 2009. GP43A-0837.

Moore,JM and Tsikos,H

Corfu,F, Polteau,S, *Moore,JM* and *Tsikos,H*. "A U-Pb discordia line for carbonate of the Mooidraai Formation, Transvaal Supergroup: Paleoproterozoic Formation and Neoproterozoic fluid infiltration". *AGU Joint Assembly*. Metro Toronto Convention Centre, Toronto. Canada. May 2009. 90(22).

Tsikos,H

Gröcke ,DR, Rimmer,SM, Yoksoulia,LE, Cairncross,B, *Tsikos,H* and van Hunen,J. "No evidence for thermogenic methane production by the Karoo-Ferrar large igneous province". *European Geosciences Union, General Assembly*. Austria Center Vienna, Vienna. Austria. January 2009.

International Visit

Büttner,SH

Büttner,SH. Oxford instruments inc, High Wycombe, United Kingdom. Training course in EDS microanalysis. 21 - 23 July 2009.

Marsh,JS

Marsh,JS. University of Oslo, Oslo, Norway. PhD defence. 10 - 12 May 2009.

Marsh,JS. Statolihydro, Luanda, Angola. Research on volcanism in the Cretaceous Namibe Basin, southern Angola. 15 June - 3 July 2009.

Moore,JM

Moore,JM. Field trip, Tete, Mozambique. MSc Project, Fingoe Belt, Tete District, Mozambique. 22 - 30 September 2009.

Prevec,SA and Howarth,GH

Prevec,SA and *Howarth,GH*. Hong Kong University and Guangzhou Institute of Geochemistry, Hong Kong and Guangzhou, China. Presentation of scientific results (GH and SP), short course on ore deposits given (SP), and PhD sample collection undertaken. 1 - 16 December 2009.

Tsikos,H

Tsikos,H. Johannes Gutenberg University of Mainz, Mainz, Germany. Laser ablation analysis of Precambrian red beds of South Africa. 6 - 8 January 2009.

Tsikos,H and *van Breugel,Y*. Netherlands Royal Institute of Sea Research, Den Burgh, The Netherlands. Molecular biogeochemistry of organic-rich marls from the Vocontian basin, SE France. 11 January - 27 February 2009.

Distinguished Visitors

Choiniere,J

Dr J Choiniere. The George Washington University, Washington DC, United States. Research collaboration. Jun - Jul 2008.

Delpech,G

Dr G Delpech. University of Orsay-Paris XI, Paris, France. Research collaboration. Feb - Mar 2009.

Ferre,EC

Professor EC Ferre. Southern Illinois University, Carbondale IL, United States of America. Research collaboration. Nov - Dec 2009.

Fluteau,F

Dr F Fluteau. Institut de Physique du Globe de Paris, Paris, France. Research collaboration. Feb - Mar 2009.

Forster,CA

Professor CA Forster. The George Washington University, Washington DC, United States. Research collaboration. Jun - Jul 2008.

Gastaldo,RA

Professor RA Gastaldo. Colby College, Waterville, Maine, United States of America. Fieldwork, research collaboration. Jan 2009.

Geissman,JW

Professor JW Geissman. University of New Mexico, Albuquerque NM, United States of America.
Research collaboration. Nov - Dec 2009.

Gerard,M

Dr M Gerard. Institut de Mineralogie et Physique des Milieux Condenses, Paris, France. Research
collaboration. Feb - Mar 2009.

Labandeira,CC

Dr CC Labandeira. Smithsonian Institution, Washington DC, United States of America. Research collaboration.
Feb - Mar 2009.



2009

History



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Where leaders learn

Department of History

The History Department enjoyed a productive year in 2009 in terms of research output, with the publication of nine articles in national and international journals.

Professor Gary Baines was particularly productive, with four journal articles, two book chapters, two papers delivered at international conferences and one locally.

Dr Enocent Msindo had a second article published in the prestigious *Journal of Southern African Studies*, and delivered a paper at the US African Studies Association

conference in New Orleans.

Dr Alan Kirkaldy co-authored two articles in the *South African Historical Journal*.

Richard Marshall earned a distinction for his MA thesis on the early history of Grahamstown.

Professor Paul Maylam
Head of Department

Books/Chapters/Monographs

Baines,GF

Baines,GF. "Apocalypticism in American folk music". In: Media and the apocalypse. Peter Lang. New York. First Edition. 2009. 17-33. ISBN: 978-1-4331-0419-0.

Baines,GF. "Songs of fate, hope and oblivion: Bob Dylan's dystopianism and apocalypticism". In: The end all around us: apocalyptic texts and popular culture. Equinox. London. First Edition. 2009. 1-21. ISBN: 978-1-84553-262-8.

Publications Research Journals in Abstract and/or Full Paper

Baines,GF

Baines,GF. "South Africa's forgotten war". History Today. 2009. 59(4),22-24.

Baines,GF. "Conflicting memories, competing narratives and complicating histories: Revisiting the Cassinga controversy". Journal of Namibian Studies. 2009. (6),7-26.

Baines,GF. "Site of struggle: the freedom park fracas and the divisive legacy of South Africa's border war/liberation struggle". Social Dynamics. 2009. 35(2),330-344.

Kirkaldy,A

Kirkaldy,A. "The missionary impact: the northern transvaal in the late nineteenth century". History Compass. 2009. 7, <http://www.blackwell-compass.com>.

Kirkaldy,A, Jeannerat,C and Ross,R. "Introduction: christian missions in southern Africa". South African Historical Journal. 2009. 61(2),213-215.

Kirkaldy,A and Kriel,L. "Praying is the work of men, not the work of women: the response of Bahananwa and Vhavenda women to conversion in late nineteenth-century lutheran missionary territories". South African Historical Journal. 2009. 61(2),316-335.

Maylam,PRM

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Local Conferences

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Baines,GF. "A disjuncture between policy and practice: accessing information in the department of defence archives". Nordic Africa Institute Documentary Project on the Liberation Struggles in Southern Africa Workshop. University of South Africa, Pretoria. South Africa. November 2009.

International Conferences

Baines,GF

Baines,GF. "The saga of the South African POWs 1975-78". Expert working seminar on "Southern Africa in the cold war era". Portuguese Institute of International Relations, Lisbon. Portugal. May 2009.

Baines,GF. "De La Rey rides (yet) again: afrikaner identity politics and nostalgia in post-apartheid South Africa". International Association for the Study of Popular Music: Popular Music Worlds, Popular Music Histories Conference. University of Liverpool, Liverpool. England. July 2009.

Msindo,E

Msindo,E. "Towards a new understanding of nationalism in Zimbabwe: ideologies, alternative platforms, and the place of violence". African Studies Association Annual Conference on Africa at Crossroads. New Orleans, New Orleans. United States of America. November 2009.

Wells,J

Wells,J. "Making enemies: the slow road to conquest, the evolution of intercultural encounters on the Eastern Cape frontier, 1770-1820". Symposium on Colonial Undertakings and the Liberation Fight in Africa. Algiers, Algiers. Africa. July 2009.



2009



Human Kinetics and Ergonomics



RHODES UNIVERSITY
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Department of Human Kinetics and Ergonomics

In 2009 the Department of Human Kinetics and Ergonomics published a total of 35 full papers, edited one book and further published several abstracts. This is a large number considering that this is a department with just 5 academic staff members.

Topics cover the variety of research taking place at the department in Ergonomics, Health and Sports Science. All papers are unique in content, and many of them are of a high or very high quality, as confirmed by academic peers.

However, the distribution amongst the different types of media shows that a large part of all publications are invited conference papers and book chapters. On the one hand this reflects the positive reputation of the academics at the department. For example, 7 book chapters published in 2009 have been requested by highly ranked editors. On the other hand there is a significant lack of full journal articles and other forms of voluntary publications. The only two journal articles that were produced by the department in 2009 resulted from an academic on sabbatical and a research assistant funding.

This is due to an increase in postgraduate student numbers of more than 150% during recent years, causing a substantial lack of resources to publish available research results.

The HKE department is thus considering a massive reduction in postgraduate student intake for the years to come in order to better balance produced and published research.

Professor Matthias Goebel
Head of Department

Books/Chapters/Monographs

Christie,CJ

Christie,CJ, Meyer,F, James,G and Apud,E. "The contribution of ergonomics to the forestry industry in developing countries". In: Ergonomics in developing regions: needs and applications. CRC press, Taylor and Francis Group. Boca Raton, Florida. First Edition. 2009. 235-252. ISBN: 978-1-4200-7911-1.

Goebel,M

Goebel,M. "Complexity in ergonomics". In: Industrial engineering and ergonomics: visions, concepts, methods and tools. Springer. Heidelberg, Berlin. First Edition. 2009. 347-361. ISBN: 978-3-642-01292-1.

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Goebel,M. "The experience of teaching and researching ergonomics in Germany and in South Africa". In: Ergonomics in developing regions: needs and applications. CRC press, Taylor and Francis Group. Boca Raton, Florida. First Edition. 2009. 411-424. ISBN: 978-1-4200-7911-1.

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Brown,L and Christie,CJ

Brown,L and Christie,CJ. "Isokinetic strength changes associated with the intermittent nature of rugby union player". South African Journal of Sports Medicine. 2009. 21(3),119.

Christie,CJ and Ingram Lock,B

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Joiner,AJ and Christie,CJ

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Kelly,JA and Christie,CJ

Kelly,JA and Christie,CJ. "Factors affecting the compliance of post-menopausal women over the course of a 24 week progressive resistance training programme". Journal of Science and Medicine in Sport. 2009. 12(6),107.

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Local Conferences

Burford,E-M and Zschernack,S

Burford,E-M and Zschernack,S. "The effect of the strain level on the perceptual error of time duration for various tasks performed by nurses in an Eastern Cape hospital". Ergonomics Society of South Africa 2009. Marine Protea Hotel, Port Elizabeth. South Africa. November 2009. 253-264.

Christie,CJ

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Christie,CJ and Kelly,J

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Elliott,AB and Goebel,M. "The effects of overhead work on the musculoskeletal system in the automotive industry". Ergonomics Society of South Africa 2009. Marine Protea Hotel, Port Elizabeth. South Africa. November 2009. 36-49.

Garson,C, Mattison,MC and Goebel,M

Garson,C, Mattison,MC and Goebel,M. "The effects of psycho-emotional pressure on the perception of muscular fatigue and discomfort - a study of surgeons during a cesarean section". Ergonomics Society of South Africa 2009. Marine Protea Hotel, Port Elizabeth. South Africa. November 2009. 274-283.

Goebel,M

Goebel,M. "Millions of brain cells, two eyes, but only one focus - how to design for the visual bottleneck?". Ergonomics Society of South Africa 2009. Marine Protea Hotel, Port Elizabeth. South Africa. November 2009. 156.

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Schoeman,E, Mattison,MC and Goebel,M. "A field investigation into the physical and psychological stressors imposed on the Rhodes University catering staff". Ergonomics Society of South Africa 2009. Marine Protea Hotel, Port Elizabeth. South Africa. November 2009. 88-97.

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Stack,J and Zschoernack,S. "The effect of glove fit on task performance". Ergonomics Society of South Africa 2009. Marine Protea Hotel, Port Elizabeth. South Africa. November 2009. 173-181.

Zschoernack,S and Goebel,M

Zschoernack,S and Goebel,M. "The effect of a weight support sling on the work load of sheep shearers". Ergonomics Society of South Africa 2009. Marine Protea Hotel, Port Elizabeth. South Africa. November 2009. 124-134.

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Goebel,M and Zschoernack,S

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Ngcamu,NS, Zschoernack,S and Goebel,M

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Zschoernack,S

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Zschoernack,S and Goebel,M

Zschoernack,S and Goebel,M. "Does a weight support sling reduce lower back strain of sheep shearers?". 17th World Congress on Ergonomics. Jiuhua Resort and Convention Center, Beijing. China. August 2009.



2009



Ichthyology and
Fisheries Science



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Department of Ichthyology and Fisheries Science

The Department of Ichthyology and Fisheries Science (DIFS) plays a key role in the region by providing capacity to undertake specialist research in collaboration with various partners and stakeholders.

Prof. Tony Booth had a renowned stock assessment specialist, Dr Terry Quinn, visit the Department and they worked on a spatial bio-economic model for the halibut resource off Alaska.

Peter Britz and PhD student **Serge Raemaekers'** research on small scale fisheries in the Eastern Cape Province revealed the extent and impact of the abalone poaching problem in the Eastern Cape Province and made recommendations on options to restore the fishery.

In collaboration with Universidad Catolica del Norte, **Justin Kemp** (PhD student) spent a year in Chile under the supervision of **Peter Britz** investigating the aquaculture nutritional requirements of the red abalone.

Dr Kaiser was instrumental in the development and building of a new fish tunnel (8 x 22 m) that will be

used for research and development. It provides a temperature-controlled environment and has been designed to become a research facility with the aim of rearing and studying indigenous species.

Several controlled environment rooms with closed recirculation systems for research have been upgraded and are currently being used for research and development on dusky kob nutrition and fish physiology.

Prof Sauer and **Dr Warren Potts** continued with the research program in Angola. Their results have shown that some species of fish important to the economy of Angola may be shifting southwards into Namibian waters, possibly as a result of climate change. This southward shift in distribution has significant implications for fisheries management in both Namibia and Angola.

Dr Cliff Jones, Prof. Britz and Martin Davies completed the construction of a brewery effluent treatment research facility at the SAB Ltd in Port Elizabeth. This programme involves the recovery of water and nutrients from industrial effluent for re-use in aquaculture, agriculture or the brewery.

Dr Jones was invited to join a delegation of South African researchers and industry role players that visited aquaculture facilities and researchers in the United Kingdom (UK).

This resulted in the development of further international collaborative links with expertise in aquaculture and water treatment.

Dr Jones' and Prof. Britz' abalone nutrition and diet development research programmes (i.e. weaning and probiotic diet development) continued in collaboration with industry partners in the Western Cape, and their kob nutrition programme continued using the department laboratories in Port Alfred.

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

Books/Chapters/Monographs

Bell,KNI

Bell,KNI. "What comes down must go up: the migration cycle of juvenile-return anadromous taxa". Challenges for diadromous fishes in a dynamic global environment. American Fisheries Society. First Edition. 2009. 321-341. ISBN: 978-1-934874-08-0.

Publications Research Journals in Abstract and/or Full Paper

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Ellender,BR, Weyl,OLF and Winker,H. "Who uses the fishery resources in South Africa's largest impoundment? Characterising subsistence and recreational fishing sectors on Lake Gariep". Water SA. 2009. 35(5),679-684.

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*Filmalter,JD, Weyl,OLF and Sauer,W. "Otoliths and vertebrae as potential hard structurers for ageing South African yellowfin tuna *Thunnus albacares*". African Journal of Marine Science. 2009. 31(2),271-276.*

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Goetz,A, Kerwath,SE, Sauer,WHH and Attwood,CG. "Effects of fishing on a temperate reef community in South Africa 2: benthic invertebrates and algae". African Journal of Marine Science. 2009. 31(2),253-262.

Ismail,I, Jones,CLW, Britz,PJ and Esterhuizen,AJ

Ismail,I, Jones,CLW, Britz,PJ and Esterhuizen,AJ. "Towards an abalone weaning diet: evaluation of agar-bound fishmeal and spirulina as dietary ingredients". African Journal of Marine Science. 2009. 31(1),103-106.

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*Joubert,CJH, Christison,KW and Kaiser,H. "An egg-laying rhythm in *Diplectanum oliveri* (Monogenea: diplectanidae), a gill parasite of dusky kob (*Argyrosomus japonicus*)". Journal of The South African Veterinary Association-Tydskrif Van Die Suid-Afrikaanse Veterinere Vereniging. 2009. 80(2),129.*

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*Kemp,JOG, Britz,PJ and Cockcroft,A. "Ammonia excretion dynamics in the east coast rock lobster *Panulirus homarus rubellus*". Aquaculture. 2009. 286(3-4),296-300.*

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Vorwerk, PD, Paterson, AW, Froneman, PW and Whitfield, AK. "Increased abundance of two important sport fishery species following renewed river flow into a freshwater-deprived South African estuary". *Fisheries Management and Ecology*. 2009. 16,420-423.

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Chalmers,R and Sauer,WHH. "Coastal bays, MPA's and fisheries - trying to balance conservation and socio-economic objectives through multi-use zoning and management". *6th WIOMSA Scientific Symposium.* University Campus, St Denis. La Reunion. August 2009. 6th.

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Shaw,P and *Sauer,WHH. "Genetic structuring of loliginid populations: are discrete local spawning populations genetically distinct?". Cephalopod International Advisory Council. Conference Centre, Vigo. Spain. August 2009.*

Yearsley,R, Jones,CLW and Britz,PJ

Yearsley,R, Jones,CLW and Britz,PJ. "Effects of South African abalone Haliotis midae L. on farm effluent quality". 7th International Abalone Symposium. Dusit Thani Hotel, Pataya. Thailand. July 2009.

Distinguished Visitors

Quinn,TJ

Professor TJ Quinn. University of Alaska Fairbanks, Juneau, United States of America. Collaboration with Professor Booth. Oct - Nov 2009.



2009



Information Systems



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Department of Information Systems

Staff and a total of 40 post-graduate honours (32), masters (5) and doctoral (3) students engaged in a variety of research projects during the year.

Areas of research at the honours, masters and doctoral level included: Human Computer Interaction, Veterinary Informatics, Sustainable ICT, IS Management /Leadership, General Software Engineering, Requirements Elicitation Frameworks, e-Learning /Commerce/Publishing, Critical CIO Skills, CS/IS Enrolment, Virtual Partnerships, SOA, IT Governance, Security, Risk Management, ICT Service Management, ICT for Development.

Members of staff and post-graduate students participated in a number of local and international conferences notably: 11th Annual Conference on World Wide Web Applications, SAICSIT 2009 - Annual Conference of the South African Institute of Computer Scientists and Information Technologists, 3rd International IDIA Development Informatics Conference - IDIA 2009, Southern African Telecommunication

Networks and Applications Conference (Swaziland), Conf-IRM 2009: Global Connections (United Arab Emirates), itSMF (Information Technology Service Management Forum) 4th Annual Academic Forum (USA), IADIS e-Learning 2009 (EL 2009) Conference (Portugal), 3rd European Conference on Information Management and Evaluation - ECIME 2009 (Sweden), European Conference on Information Systems (Italy).

Journal articles were written by staff and published in international journals including South African Computer Journal, International Journal of Education and Development using ICT, and the Electronic Journal Information Systems Evaluation.

Ms Caroline Khene contributed a chapter in ICTs for Development in Africa: Theory, Practice and the Digital Divide Vol 3: Development

Informatics and Regional Information Technologies: Theory, Practice and the Digital Divide series.

In February 2009, the Department, in conjunction with the Department of Computer Science, 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. The agenda for the day covered topics on time management, proposal and thesis writing, research methodology and data analysis, paper publication and the thesis examination process.

The research of a number of members of staff is supported by grants from the University's Joint Research Committee.

Standard Bank, through their long-standing membership of the Department's industry Advisory Board, funded access to the prestigious Gartner Reports. The Reports are a valuable source of information for research at all levels.

Ms Brenda Mallinson's ongoing appointment as a Research Associate bolstered the area of eLearning, whilst Prof Malcolm Sainsbury, Visiting Professor, spent valuable time in the Department working and collaborating with staff and students in the area of Information Systems Management.

Professor Dave Sewry
Head of Department

Books/Chapters/Monographs

McNeill,J

McNeill,J and *Bangay,S*. "Proceedings of the 2009 annual conference of the Southern African computer lecturers' association". McNeill,J and Bangay, S (Eds). Association for Computing Machinery (ACM). United States of America. First Edition. 2009.

Publications Research Journals in Abstract and/or Full Paper

Jacobs,C and Sewry,D

Jacobs,C and *Sewry,D*. "Learner inclinations to study computer science or information systems at tertiary level". *South African Computer Journal*. 2009. 44,85-91.

Mallinson,BJ

Mallinson,BJ and *Halse,M*. "Investigating popular internet applications as supporting e-learning technologies for teaching and learning with generation Y". *International Journal of Education and Development Using Ict*. 2009. 5(5), <http://ijedict.dec.uwi.edu/viewissue.php?id=23>.

Schlenkrich,L and Upfold,C

Schlenkrich,L and *Upfold,C*. "A guideline for virtual team managers: the key to effective social interaction and communication". *Electronic Journal of Information Systems Evaluation*. 2009. 12(1), http://www.ejise.com/volume-12/volume12-issue1/Schlenkrich_and_Upfold.pdf.

von Urff Kaufeld,N, Chari,V and Freeme,D

von Urff Kaufeld,N, Chari,V and *Freeme,D*. "Critical success factors for effective IT leadership". *Electronic Journal of Information Systems Evaluation*. 2009. 12(1), http://www.ejise.com/volume-12/volume12-issue1/von_Urff_Kaufeld_et_al.pdf.

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

Local Conferences

Foster,G

Kerr,S, *Foster,G* and Irwin,B. "Rich representation and visualisation of time-series data". *Southern African Telecommunications Networks and Applications Conference*. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 309-314.

Kerr,S, Thinyane,H and *Foster,G*. "Mobile phone performance analysis for camera based visual interactions". *South African Institute of Computer Scientists and Information Technologists Conference*. Riverside Hotel and Conference Centre, Vaal River. South Africa. October 2009. 80-86.

Ncube,S, Thinyane,H and *Foster,G*. "An investigation into a web based visualisation technique for zoonotic disease outbreaks". *Southern African Telecommunications Networks and Applications Conference*. Royal Swazi Spa, Ezulwini. Swaziland. September 2009. 465-466.

Foster,GG and Mackay,MC

Foster,GG and *Mackay,MC*. "A web-based model for the near real-time reporting and surveillance of zoonotic disease outbreaks in South Africa". *11th Annual Conference on World Wide Web Applications*. Pine Lodge Resort, Port Elizabeth. South Africa. September 2009.

International Conferences

Benyon,RV

Benyon,RV. "How to develop an IT service agreement". *ITSM 4th Annual Academic Forum*. Gaylord Texan Resort & Convention Center, Dallas. United States of America. September 2009.

Benyon,RV. "ITSM at a 4th year level". *ITSM 4th Annual Academic Forum*. Gaylord Texan Resort & Convention Center, Dallas. United States of America. September 2009.

Brock,RN and Benyon,RV

Brock,RN and *Benyon,RV*. "A proposed risk management framework for securing confidential information held by government departments in the United Kingdom". *3rd European Conference on Information Management and Evaluation*. University of Gothenburg, Gothenburg. Sweden. September 2009. 67-79.

Mallinson,BJ

Mallinson,BJ. "A reflection on digital literacy within higher education institutions of developing countries". *IADIS Multi Conference on Computer Science and Information Systems: e-learning 2009*. Hotel Tivoli Carvoeiro, Algarve. Portugal. June 2009. 2. 217-220.

Mallinson,BJ and Carter,R

Mallinson,BJ and *Carter,R*. "Towards rapid e-learning content development". *Multi Conference on Computer Science and Information Systems: e-learning 2009*. Hotel Tivoli Carvoeiro, Algarve. Portugal. June 2009. 2. 197-200.

Mazvimavi,V and Benyon,RV

Mazvimavi,V and *Benyon,RV*. "A theoretical model for developing an IT service catalogue". *IRM 2009 Conference on Information Resource Management*. College of IT, Al Ain. United Arab Emirates. May 2009.

Pade,CI and Sewry,D

Pade,CI and *Sewry,D*. "The practice and need for rural ICT for development evaluation: an experience of the siyakhula living lab baseline study". *3rd International IDIA Development Informatics Conference*. Berg-en-dal Camp, Kruger National Park. South Africa. October 2009. 358-370.

Upfold,C and Liu,H

Upfold,C and Liu,H. "Radio frequency identification (RFID) adoption in the South African retail sector: an investigation of perceptions held by members of the retail sector regarding the adoption constraints". 3rd European Conference on Information Management and Evaluation. University of Gothenburg, Gothenburg. Sweden. September 2009. 430-439.

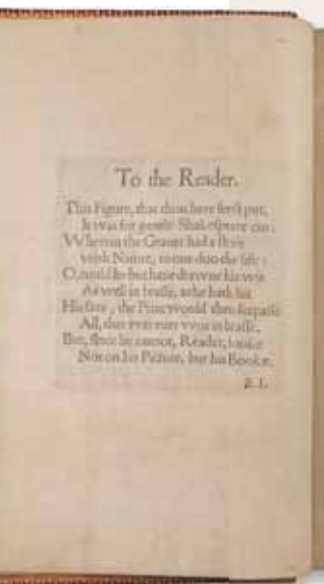
Distinguished Visitors

Donner,J

Dr J Donner. Microsoft research, Cape Town, South Africa. Research and collaboration. Jun - Jul 2009.

Sainsbury,M

Professor M Sainsbury. Owl IT, Johannesburg, South Africa. Lecture. May - Jun 2009.



2009



Institute for the Study of English in Africa (ISEA)



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Institute for the Study of English in Africa

The Institute enjoyed a productive and successful year, which included substantial progress on the research front. The Director, **Laurence Wright**, was awarded the Vice-Chancellor's Distinguished Senior Research Medal for 2009. He was also elected to the South African Academy of Science, and completed 25 years service to the University. A celebration took place at the Institute on 1 April, with a presentation by the Vice-Chancellor. The *English Academy Review* carried an interview entitled "'Intellectual challenge is as necessary as breathing": An Interview with Laurence Wright' to mark the occasion (see *English Academy Review* 26.1 (2009): 72-86). The interview was conducted by Dr Brian Pearce.

Important publications from Institute staff members in 2009 included *South African Shakespeare in the Twentieth Century*, a special focus issue of *The Shakespearean International Yearbook* edited by **Prof Wright**. The volume contains nine chapters from local and international contributors, including ISEA Research Associate **Dr Rohan Quince** who wrote a chapter entitled 'Shakespeare on the Apartheid Stage: The Subversive Strain', and Dr Deborah Seddon of the English Department, who wrote on 'The Colonial Encounter and *The Comedy of Errors*:'

Solomon Plaatje's *Dipsho-posho*'. Other publications by **Prof Wright** included an edition of Nathaniel Merriman's lecture 'Shakespeare as bearing on English History', published in *Shakespeare in Southern Africa* and "'Third World Express": trains as 'revolution' in South African Poetry', forthcoming in *Literator*.

Dr Monica Hendricks published 'Grade-appropriate literacy and South African grade 7 learners' classroom writing in English' in the journal *Early Child Development and Care* (179.3: 271-284), while **Madeyandile Mbelani** published

'Seeing is natural, but viewing is not: teaching visual literacy in a rural classroom' in *Education as Change* (13.1: 53 – 65), co-authored with **Sarah Murray**.

Rhodes Professor of Poetry, **Prof Chris Mann**, enjoyed another very productive year in which his poetry appeared in numerous books, academic journals and more popular publications. His output included the publication of his long poem, *Seeing the Cosmos in a Grain of Sand*, in two parts, 'The Micro-cosmos' in *Current Writing* and 'The Macro-cosmos' in *Scrutiny2*. ISEA Admin Officer, **Carol Leff**, had her first poetry collection *Flashes* published by Ariel Publishing.

ISEA staff members presented papers at the Kenton conference (**M.Hendricks**); at the Reading Association of South Africa conference (**Mbelani**); and at 'Wartime Shakespeare in a Global Context' (**Wright**).

Madeyandile Mbelani is preparing a PhD proposal on issues in visual literacy, while **Ntombekhaya Fulani** commenced work on her MEd research, which compares the learning technologies embodied in Grade 4 level textbooks published for English and for Xhosa learners.

Expansion of electronic publishing partnerships and distribution:

An important 3-year drive to enhance the electronic footprint of the Institute's well-established periodicals, *English in Africa* (EiA), *Shakespeare in Southern Africa* (SiSA), and *New Coin Poetry* (NC) was completed.

The periodicals are now available online through EBSCO (on Academic Search Premier), through Gale Publishing (on Academic OneFile), through the Literature Resource Centre on the Thomson Gale (Cengage) platform, through Chadwyck-Healey (ProQuest), through African Journals Online (AJOL) and through Sabinet Online publishing products (SACat and SA ePublications).

From 2010 full back-runs of EiA will be digitally archived by JSTOR (our international archive) and the Sabinet Gateway project (our South African archive) will archive all three periodicals, with a moving wall of 5 years. Through EBSCOhost Connection, the periodicals are linked to major search engines, including Google. The periodicals have an online presence in secondary and tertiary institutions in the United Kingdom through the Joint Information Systems Committee (JISC). ISEA has indicated willingness to participate in the South African SciELO-type platform initiated by ASSAF. Negotiations are under way to include selected material from EiA in the Aluka project developed by JSTOR to capture work related to the apartheid struggle in a major database.

The impact of this initiative has been to enhance the international presence and availability of South African academic output without succumbing to the current trend towards offshore publication or distribution.

Professor Laurence Wright
Director of Institute

Books/Chapters/Monographs

Mann,C

Mann,C. "Gone swimming". In: A-Z of African Writers. Shuter and Shooter. Pietermaritzburg. First Edition. 2009. 151-152. ISBN: 978-1-4306-0001-5.

Quince,R

Quince,R. "Shakespeare on the apartheid stage: the subversive strain". In: The Shakespearean International Yearbook. Ashgate. United Kingdom. 2009. 9, 87-104. ISBN: 9780754669166.

Wright,LS

Wright,LS. "The Shakespearean international yearbook 9: South African Shakespeare in the twentieth century". Bradshaw,G, Bishop,T and Wright, L (Eds). Ashgate. England. First Edition. 2009. 301 pp.9

Wright,LS. "Introduction: South African Shakespeare in the twentieth century". In: The Shakespearean International Yearbook. Ashgate. United Kingdom. 2009. 9, 1-28. ISBN: 9780754669166.

Wright,LS. "Umabatha: Zulu play or Shakespeare translation?". In: The Shakespearean International Yearbook. Ashgate. United Kingdom. 2009. 9, 105-130. ISBN: 9780754669166.

Publications Research Journals in Abstract and/or Full Paper

Hendricks,M

Hendricks,M. "Grade-appropriate literacy and South African grade 7 learners' classroom writing in English". *Early Child Development and Care*. 2009. 179(3),271-284.

Mann,C

Mann,C. "Seeing the cosmos in a grain of sand (part one)". *Current Writing*. 2008. 20(2),108-126.

Mann,C. "Three variations on the theme of prayer". *English Academy Review*. 2009. 26(1), 87-91.

Mann,C. "The fathers and sons cricket match". *English Academy Review*. 2009. 26(2), 91-93.

Mann,C. "Prodigal sons". *English in Africa*. 2009. 26(2), 90-91.

Mann,C. "To J...among the galaxies". *Literator*. 2008. 26(3), 233.

Mann,C. "The comrades marathon". *Literator*. 2008. 29(3), 231-232.

Mann,C. "A poem to Christ near Winchester". *Literator*. 2008. 29(3), 233-234.

Mann,C. "Seeing the cosmos in a grain of sand (part two)". *Scrutiny2*. 2009. 14(1), 103-113.

Mbelani,M

Mbelani ,M and Murray,S. "Seeing is natural, but viewing is not: teaching visual literacy in a rural classroom". *Education as Change*. 2009. 13(1),53-65.

Wright,LS

Wright,LS. "Nathaniel Merriman's lecture: Shakspeare as bearing on English history". *Shakespeare in Southern Africa*. 2009. 21,1-21.

Wright,LS and Pearce,B. "Intellectual challenge is as necessary as breathing: an interview with Laurence Wright". *English Academy Review*. 2009. 26(1),72-86.

Other Publications

Leff,C

Leff,C. "ancestral voice". New Coin. In: New coin. Warren, C (Ed) Institute for the Study of English in Africa, Rhodes University. Grahamstown. 2009. 45(2), 16. ISBN: 0028-4459.

Leff,C. "springlove". New Coin. In: New coin. Warren, C (Ed) Institute for the Study of English in Africa, Rhodes University. Grahamstown. 2008. 44(2), 68. ISBN: 0028-4459.

Leff,C. "sweet water". New Coin. In: New coin. Warren, C (Ed) Institute for the Study of English in Africa, Rhodes University. Grahamstown. 2009. 45(2), 17. ISBN: 0028-4459.

Leff,C. "Flashes". In: Flashes. Berold, R (Ed) Aerial Publishing. Grahamstown. First Edition. 2009. 1-35. ISBN: 978-0-9814052-2-3.

Leff,C. "sweet water". In: Sharp!: NMMU journal. Mostert, L (Ed) Nelson Mandela Metropolitan University. Port Elizabeth. 2009.

Mann,C

Mann,C. "A poem to Christ near Winchester". In: The Spire. Whisson, M (Ed) Grahamstown Cathedral. Grahamstown. 2009. (May), 5.

Mann,C. "Can we get past race?". In: Mail and Guardian. Dawes, N (Ed) Mail and Guardian. Johannesburg. 2009. October(2), 20.

Mann,C. "Doubting Thomas". In: Christians at Rhodes Handout. Kanityi, S (Ed) Christians at Rhodes. Grahamstown. 2009. (15), 3.

Mann,C. "In praise of good administrators". In: Grocott's Mail. Lang, S (Ed) David Rabkin Experimental Project in Journalism. Grahamstown. 2009. November(27), 5.

Mann,C. "It's country cricket time again". In: Grocott's Mail. Lang, S (Ed) David Rabkin Experimental Project in Journalism. Grahamstown. 2009. September(8), 4.

Mann,C. "The comrades marathon". In: The Witness. Conyngham, J (Ed) The Witness. Pietermaritzburg. 2009. (22 May), 6.

Mann,C. "The comrades marathon". In: Weekend Argus Life. Whitfield, C (Ed) Independent Newspapers. Cape Town. 2009. (23 May), 30.

Mann,C. "The comrades marathon". In: Grocott's Mail. Lang, S (Ed) David Rabkin Project for Experimental Journalism. Grahamstown. 2009. May(19), 11.

Mann,C. "The fathers and sons cricket match". In: The Spire. Whisson, M (Ed) Grahamstown Cathedral. Grahamstown. 2009. (August), 11.

Mann,C. "The magic of motse". In: The Spire. Whisson, M (Ed) Grahamstown Cathedral. Grahamstown. 2009. (February), 7.

Mann,C. "The metamorphoses of energy". In: The Spire. Whisson, M (Ed) Grahamstown Cathedral. Grahamstown. 2009. (May), 13.

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

Local Conferences

Hendricks,M

Hendricks,M. "Resisting performativity: sustaining a longitudinal education research project". Kenton Education Conference. Stellenbosch Techno-Park, Stellenbosch. South Africa. November 2009.

Mbelani,M

Mbelani,M. "Getting visual literacy right: a challenge for English FAL teachers". Reading Association of South Africa. University of the Witwatersrand, Johannesburg. South Africa. October 2009.

International Conferences

Wright,LS

Wright,LS. "'Most fearful hard work': Gwen Frangcon-Davies, Marda Vanne and the good companions in South Africa". Wartime Shakespeare in a Global Context. University of Ottawa, Ottawa. Canada. September 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Wright,LS

Wright,LS. Guest Speaker. "Archdeacon Merriman and the Cattle-killing". Grahamstown Historical Society. Diocesan School for Girls. Grahamstown, South Africa. 17 October 2009.

Distinguished Visitors

Beckett,D

Mr D Beckett. Author and broadcaster, Grahamstown, South Africa. Public lecture and book launch. Jun - Jul 2009.

Gumede,W

Dr W Gumede. Author and public intellectual, Grahamstown, South Africa. Wordfest lecture. Jun - Jul 2009.

Kgotsetsile,W

Professor W Kgotsetsile. South African poet laureate, Grahamstown, South Africa. Lecture, Wordfest opening. Jun - Jul 2009.

Langa,M

Mr M Langa. Author, Grahamstown, South Africa. Lecture and book launch. Jan 2009.

Mona,GV

Mr GV Mona. Director of sport, recreation, arts and culture in the Eastern Cape, Grahamstown, South Africa. Opening of wordfest, Eastern Cape. Jun - Jul 2009.

Tom,X

Ms X Tom. MEC for sport, recreation, arts and culture in the Eastern Cape, Grahamstown, South Africa. Open Eastern Cape wordfest. Jun - Jul 2009.

Willan,B

Dr B Willan. Private scholar, Grahamstown, South Africa. Research on Sol. Plaatje, Nathaniel Merriman. Jan 2009.



2009

Institute of Water
Research (IWR)



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Institute for Water Research (IWR)

The IWR generated 12 scientific reports to its various research funders during 2009. Most of these were interim deliverable reports while one was a final report at the conclusion of a project. One PhD (Hydrology) student graduated during 2009. The Institute has 10 registered PhD and 5 MSc students (in either Hydrology or Water Resource Sciences). In addition, the Institute hosted 2 post-doctoral students during 2009.

Prof Hughes was appointed as vice-president of the International Association of Hydrological Sciences. He is also the regional coordinator for the Southern Africa FRIEND project (a UNESCO IHP initiative), serves on the South African Committee for the UNESCO IHP and remains chairperson of SANCIAHS (South African Committee for the International Association of Hydrological Sciences).

Dr Muller continues to serve on the Board of Amatole Water.

The IWR began managing the funds from the Carnegie Foundation to establish the Sub-Saharan Africa Water Resources Network (**Prof Hughes** as Academic Director and **Dr Mantel** as Secretariat) under the Carnegie RISE (Regional Initiative in Science and Education) Programme

during 2009. The network consists of Rhodes, the University of Botswana, Eduardo Mondlane University in Mozambique, Makerere University in Uganda and the University of Zimbabwe.

The total value of the grant is \$800 000 over two years and is mostly designed for the development of postgraduate students. Through this programme, 4 PhD, 2 MSc and 1 postdoctoral fellow joined the IWR during 2009.

Professor Denis Hughes

Director of Institute

Books/Chapters/Monographs

Arimoro,FO

Arimoro,FO. Guides to the freshwater invertebrates of southern Africa. Volume 7: Insecta I. Ephemeroptera, odonata and plecoptera. Water Research Commission. Pretoria. First Edition. 2009. 7(l), 1-263. ISBN: 1-77005-017-5.

Hughes,DA

Hughes,DA. "Case studies". Manual on low-flow estimation and prediction. World Meteorological Organization. Switzerland. First Edition. 2009. 108-128. ISBN: 978-92-63-11029-9.

Hughes,DA, Young,A and Demuth,S. "Estimating low flows at ungauged sites". In: Manual on low-flow estimation and prediction. World Meteorological Organization. Switzerland. First Edition. 2008. 77-87. ISBN: 978-92-63-11029-9.

Publications Research Journals in Abstract and/or Full Paper

Arimoro,FO

Arimoro,FO. "Impact of rubber effluent discharges on the water quality and macroinvertebrate community assemblages in a forest stream in the Niger Delta, Nigeria". *Chemosphere*. 2009. 77,440-449.

Arimoro,FO and Ogana,AO. "Response of Zooplankton to abattoir wastes and other anthropogenic activities in a stream in the Niger Delta". *The Open Environmental and Biological Monitoring Journal*. 2009. 2, 18-20.

Ilondu,EM, *Arimoro,FO* and Sodje,AP. "The use of aqueous extracts of *Vernonia amygdalina* in the control of saprolegniasis in *Clarias gariepinus*, a freshwater fish". *African Journal of Biotechnology*. 2009. 8(24),7130-7132.

Gordon,AK and Muller,WJ

Gordon,AK, *Muller,WJ*, Gysman,N, Marshall,SJ, Sparham,CJ, O'Connor,SM, O'Connor,SM, O'Connor,SM and Whelan,MJ. "Effect of laundry activities on in-stream concentrations of linear alkylbenzene sulfonate in a small rural South African river". *Science of The Total Environment*. 2009. 407,4465-4471.

Hughes,DA

Hughes,DA. "Simulating the hydrology and total dissolved solids (TDS) of an ephemeral river in South Africa for environmental water requirement determinations". *River Research and Applications*. 2009. 25(7),850-860.

Hughes,DA and Mallory,SJL. "The importance of operating rules and assessments of beneficial use in water resource allocation policy and management". *Water Policy*. 2009. 11,731-741.

Moore,BA

Moore,BA, Mack,C, Duncan,JR and Burgess,JE. "Metal-biomass interactions: a comparison of visualisation techniques available in South Africa". *South African Journal of Science*. 2009. 105(3-4),115-119.

Zuma,BM

Tandlich,R, *Zuma,BM*, Whittington-Jones,KJ and Burgess,JE. "Mulch tower treatment system. Part II: destructive testing and effluent treatment". *Desalination*. 2009. 242,57-69.

Zuma,BM, Tandlich,R, Whittington-Jones,KJ and Burgess,JE. "Mulch tower treatment system. Part I: overall performance in greywater treatment". *Desalination*. 2009. 242,38-56.

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

Local Conferences

Arimoro,FO and Muller,WJ

Arimoro,FO and Muller,WJ. "Temporal and spatial variability in the structure of benthic communities and environmental variables of a Niger delta creek elucidated by multivariate analysis". Southern African Society of Aquatic Scientists Annual Conference. Magaliesburg. South Africa. June 2009.

Gola,NP and Muller,WJ

*Gola,NP and Muller,WJ. "Effluent toxicity testing with freshwater algae: comparing the standard test species *Pseudokirchneriella subcapitata* with locally isolated *Scenedesmus bicaudatus* and *Chorella* species". Southern African Society of Aquatic Scientists Annual Conference. Magaliesburg. South Africa. June 2009.*

Gola,NP, Griffin,NJ and Muller,WJ

*Gola,NP, Griffin,NJ and Muller,WJ. "Application of direct estimation of ecological effects potential: comparing the standard toxicity test species *Pseudokirchneriella subcapitata* to species isolated from a local river". 24th Congress of the Phycological Society of Southern Africa. Paternoster Lodge, Parternoster. South Africa. January 2009.*

Gordon,AK and Muller,WJ

Gordon,AK and Muller,WJ. "Laundry detergent impacts on aquatic ecosystems - a complexity of factors for consideration in manageing environmental flows?". International Conference on Implementing Environmental Water Allocations. Port Elizabeth, Port Elizabeth. South Africa. February 2009.

Hughes,DA

Hughes,DA. "Uncertainty in hydrological model outputs: implications for water resources estimation and management". 14th SANCIAHS Symposium. University of KwaZulu-Natal, Pietermaritzburg. South Africa. September 2009.

Clark,DJ, Hughes,DA, Meier,KB and Smithers,JC. "Development of a hydrological decision support framework". 14th SANCIAHS Symposium. University of KwaZulu-Natal, Pietermaritzburg. South Africa. September 2009.

Hughes,DA, Kleynhans,N, Birkhead,A, Thirion,C and Louw,D. "Adding ecological responses and hydraulics to an existing hydrology-based desktop EWR model". International Conference on Implementing Environmental Water Allocations. Port Elizabeth, Port Elizabeth. South Africa. February 2009.

Hughes,DA and Mallory,SJL. "Opportunities and constraints associated with implementing environmental flow requirements in South Africa". International Conference on Implementing Environmental Water Allocations. Port Elizabeth, Port Elizabeth. South Africa. February 2009.

Mallory,SJL, Hughes,DA and van Rooyen,P. "Quantifying uncertainty in reservoir yield analyses". 14th SANCIAHS Symposium. University of KwaZulu-Natal, Pietermaritzburg. South Africa. September 2009.

Kapangaziwiri,E and Hughes,DA

Kapangaziwiri,E and Hughes,DA. "Assessing uncertainty in the generation of natural hydrology scenarios using the pitman monthly model". 14th SANCIAHS Symposium. University of Kwa-Zulu Natal, Pietermaritzburg. South Africa. September 2009.

Mantel,SK, Muller,WJ and Hughes,DA

Mantel,SK, Muller,WJ and Hughes,DA. "Ecological impacts of small dams on South African river quality and quantity". International Sonference on Implementing Environmental Water Allocations. Port Elizabeth, Port Elizabeth. South Africa. February 2009.

Muller,WJ

Scherman,PA and Muller,WJ. "Water quality and flowing water systems: tools, mechanisms and management". *International Conference on Implementing Environmental Water Allocations*. Port Elizabeth, Port Elizabeth. South Africa. February 2009.

Muller,WJN

Luyt,CD, Muller,WJN and Tandlich,R. "Low-cost tool for monitoring drinking water and environmental water quality in selected parts of South Africa". *The 2009 Public Health Association of South Africa Conference*. Durban International Convention Centre, Durban. South Africa. November 2009.

Sawunyama,T and Hughes,DA

Sawunyama,T and Hughes,DA. "The application of satellite rainfall data in real-time hydrological modelling in South African catchments". *14th SANCIAHS Symposium*. University of KwaZulu-Natal, Pietermaritzburg. South Africa. September 2009.

Slaughter,AR, Muller,WJ and Hughes,DA

Slaughter,AR, Muller,WJ and Hughes,DA. "Modelling the effect of flow on salinity for South African river systems: a two tier modelling approach". *International Conference on Implementing Environmental Water Allocations*. Port Elizabeth, Port Elizabeth. South Africa. February 2009.

International Conferences**Gordon,AK and Muller,WJ**

Gordon,AK and Muller,WJ. "Assessing the impact of laundry detergent lineal alkylbenzene sulfonate on macroinvertebrates in a small rural South African river". *14th International Symposium on Toxicity Assessment*. Ile du Saulcy Campus, University of Paul Verlaine, Metz. France. September 2009.

Hughes,DA

Hughes,DA. "Regional water resource assessments in southern Africa". *Workshop HW1, 8th IAHS Scientific Assembly*. Hyderabad. India. July 2009.

Hughes,DA. "Simple surface water - groundwater interaction modelling in ungauged basins in South Africa". *Workshop JW1, 8th IAHS Scientific Assembly*. Hyderabad. India. July 2009.

Kapangaziwiri,E and Hughes,DA

Kapangaziwiri,E, Hughes,DA and Wagener,T. "Towards the development of a consistent uncertainty framework for hydrological predictions in South Africa. New approaches to hydrological prediction in data sparse regions". *IAHS and IAH Convention, Symposium HS2*. Hyderabad. India. September 2009. 333. 84-93.

Sawunyama,T and Hughes,DA

Sawunyama,T and Hughes,DA. "Rainfall variability and uncertainty in water resource assessments in South Africa. New approaches to hydrological prediction in data sparse regions". *IAHS and IAH Convention, Symposium HS2*. Hyderabad. India. September 2009. 333. 287-293.

International Visit

Hughes,DA

Hughes,DA. Pennsylvannia State University, State College, United Sates of America. Collaborative research with Dr Thorsten Wagener. 8 - 15 August 2009.

Kapangaziwiri,E

Kapangaziwiri,E. Pennsylvania State University, State College, United States of America. Collaborative research with Dr Thorsten Wagener. 17 July - 15 August 2009.



2009



Institute of Social
and Economic Research (ISER)



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Where leaders learn

Institute of Social and Economic Research (ISER)

The ISER has three full-time researchers working on different thematic areas. In 2009 we appointed **Prof Robert Van Niekerk** to lead Social Policy Research and teaching at the ISER to replace **Prof Valerie Moller** who retires in 2010. In addition, **Dr Gemma Wright** and **Prof Michael Noble**, based in Social Policy at Oxford were appointed as Research Associates. These appointments have firmed up our plans for developing a Social Policy Research and Teaching Unit in the ISER.

A major highlight for 2009 was the publication of a book "*Quality of Life and the Millennium Challenge: Theory and Research*" by **Valerie Moller** and **Denis Huschka**. The book appeared under the imprint of Springer and is of international importance because it highlights innovative methodologies and approaches to evaluating living standards and wellbeing.

We appointed **Julie Borland** as Project Manager for the Municipal Services Project (MSP). The MSP, a five year project on alternatives to privatisation in health, water and energy, has an international research reach.

In 2009 notable scholars such as **Prof Ben Fine** and **Prof Chandra Mohanty** joined our research team.

A book manuscript covering the first phase of MSP research is being prepared for publication with Routledge. In 2009 the MSP also developed a new website. (See www.municipalservicesproject.org)

In recognition of our bio-cultural conservation work, we will be hosting the 6th International Congress on Ethnobotany in 2013.

Dr Michelle Cocks was the joint winner in the category Achiever Award for a Woman Researcher in the area of Indigenous Knowledge Systems and Local Innovation at the 2009 Department of Science and Technology Woman in Science Awards.

As part of our health research, funded by the Southern African Trust,

we published several papers on the commercial health sector in East and Southern South Africa. These are available on the Equinet website: www.equinetafrica.org. The *Journal of Contemporary African Studies*, based at ISER, has been upgraded to a quarterly publication.

On the local front, through **Prof Peires** (an ISER research associate), we secured a second grant for the Chris Hani Liberation Heritage research and produced a short movie (DVD). Additional funds for dedicated research on the Eastern Cape have allowed us to make several small grants. We published four studies on the Makana Municipality, covering tourism, mining, agriculture and a broad overview of the Makana Municipality (see *ISER website*).

A successful four day annual Rosa Luxemburg school was attended by 40 delegates from trade unions and popular organisations in the Eastern Cape. Our Mobile Science Lab Educational Project Incubeko nendalo drew over 700 grade 10 learners from local schools. The first comprehensive book on the contemporary Eastern Cape (edited by Greg Ruiters) will be published by UKZN Press in 2010.

We would like to thank our funders, the ISER Board members and **Prof Peires** (acting director for most of 2009) for encouragement and support.

Professor Greg Ruiters
Director

Books/Chapters/Monographs

Kelly,K and Ntlabati,P

Kelly,K, Ntlabati,P, Freeman,M and Nkomo,N. "The vicious circularity of mental health effects of HIV/AIDS: symptom and cause of poor responses to the epidemic". In: Quality of life and the millennium challenge: advances in quality-of-life studies, theory and research. Springer. Netherlands. First Edition. 2009. 223-237. ISBN: 9781402085680.

Møller,V and Huschka,D

Møller,V and Huschka,D. "Quality of life and the millennium challenge: advances in quality-of-life studies, theory and research". Møller,V and Huschka, D (Eds). Springer. Netherlands. First Edition. 2009. 282 pp.

Møller,V and Huschka,D. "Challenges for quality-of-life studies in the new millennium". In: Quality of life and the millennium challenge: advances in quality-of-life studies, theory and research. Springer. Netherlands. First Edition. 2009. 1-10. ISBN: 978-1-4020-8568-0.

Ruiters,GD

Ruiters,GD. "Free basic electricity in South Africa: a strategy for helping or containing the poor?". In: Electric capitalism: recolonising Africa on the power grid. HSRC Press. Cape Town. First Edition. 2009. 248-263. ISBN: 978-0-7969-2246-5.

Publications Research Journals in Abstract and/or Full Paper

Atkinson,D

*Atkinson,D. "Economic decline and gentrification in a small town: the business sector in Aberdeen, Eastern Cape". *Development Southern Africa*. 2009. 26(2),271-288.*

Huschka,D

*Huschka,D. "Naming differences in divided Germany". *Names: A Journal of Onomastics*. 2009. 57(4),208-228.*

Kelly,KJ

Kelly,KJ, Potgieter,FE, Mitchell,SK and Moon,M. "Assessing social preparedness for antiretroviral therapy in a generalized AIDS epidemic: a diffusion of innovations approach". Aids and Behavior. 2009. 13(1),76-84.

Rau,A

Coetzee,JK and Rau,A. "Narrating trauma and suffering. Towards understanding intersubjectively constituted memory". Forum Qualitative Social Research. 2009. 10(2), <http://nbn-resolving.de/urn:nbn:de:0114-fqs0902144>.

Other Publications

Hamer,NG

Hamer,NG and Zondani,V. "The impact of government poverty alleviation programmes in three villages of the Ngqushwa municipal area". Hamer, NG (Ed) Masifunde Education & Development Project Trust. Grahamstown. 2009. 1-37.

Hamer,NG, Magoqwana,B and Matatu,S

Hamer,NG, Magoqwana,B and Matatu,S. "Report on the impact of the Eastern Cape department of roads and transport household contractor programme". Hamer, NG (Ed) Eastern Cape Department of Roads and Transport. King Williams Town. 2009. 1-30.

Rau,A

Frizelle,K, Solomon,V and Rau,A. In: Strengthening PMTCT through communication. A review of the literature. CADRE, RE (Ed) CADRE. Centre for AIDS Development, Research and Evaluation. South Africa. 2009.

Ruiters,GD

Ruiters,GD. Makana municipality: a situation analysis for local economic development. Ruiters, G (Ed) ISER. Grahamstown. 2009. 1-48.

Ruiters,GD and Scott,B

Ruiters,GD and Scott,B. Commercialisation of health and capital flows in east and southern Africa. Loewenson, R (Ed) Equinet. Harare. 2009. 1-40.

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

Local Conferences

Alexander,J and Cocks,ML

Alexander,J, Cocks,ML and Shackleton,CM. "A thicket of stories: children's environmental narratives". Annual Thicket Forum. Assegai Trails Reserve, Grahamstown. South Africa. August 2009.

Cocks,M

Alexander,J, Cocks,M and Shackleton,CM. "A thicket of stories: children's environmental narratives". Annual Thicket Forum. Assegai Trails Reserve, Grahamstown. South Africa. August 2009.

Cocks,ML

Cocks,ML and Dold,AP. "Uthixo ulihlathi lam - God is my forest. Albany thicket in Xhosaland". Annual Thicket Forum. Assegai Trails Reserve, Grahamstown. South Africa. August 2009.

Litye,SK, Cocks,ML and Dold,AP. "Cultural value of thicket: significance of natural resources in the male initiation rite of passage". Annual Thicket Forum. Assegai Trails Reserve, Grahamstown. South Africa. August 2009.

Mgwetyana,M, *Cocks,ML* and Dold,AP. "Use of local belief systems for conserving bio-cultural diversity within the Albany thicket". *Annual Thicket Forum*. Assegai Trails Reserve, Grahamstown. South Africa. August 2009.

Ruiters,GD

Ruiters,GD. "Electricity policy in South Africa and the developmental state". *Development and Democracy Programme. Electricity Policy in Post-apartheid South Africa*. Southern Sun, Elangeni, Durban. South Africa. November 2009.

International Conferences

Cocks,ML

Cocks,ML, Dold,AP and Wiersum,F. "Places and spaces in nature for spirituality and well-being for the amaXhosa, Eastern Cape, South Africa: implications for environmental policy and cultural development". *Vth International Congress of Ethnobotany*. Hotel Panamericano, San Carlos de Bariloche (RN). Argentina,. September 2009.

Møller,V

Møller,V. "Quality of life and sustainability - concordant or conflicting goals of societal development? A third world viewpoint". *9th International Society of Quality of Life Studies Conference*. Instituto degli Innocenti, Florence. Italy. July 2009.

Møller,V. "Stereotypes, stigmatising beliefs, and fears associated with tuberculosis in the time of HIV/AIDS: a South African community study". *9th International Society of Quality of Life Studies Conference*. Instituto degli Innocenti, Florence. Italy. July 2009.

Møller,V. "Education and democracy in South Africa". *International Seminar on the Political Function of Education in Deeply Divided Societies*. American University of Beirut in co-operation with GTZ, and the Arnold Bergstraesser Institute, Byblos. Lebanon. November 2009.

Ruiters,GD

Ruiters,GD. "Commercialisation of health in east and southern Africa". *Reclaiming Resources for Health. Regional Conference on Equity in Health in East and Southern Africa*. Monyono, Kampala. Uganda. September 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Cocks,M

Dold,AP and *Cocks,M*. Development and delivery. "*Amayeza esiXhosa: Medicinal and Useful Plants of the Eastern Cape Workshop*". Grahamstown Flower Show. Grahamstown, South Africa. 6 - 7 November 2009.

Cocks,ML

Dold,AP and *Cocks,ML*. Educational exhibition. "*Imithi yesiXhosa - Plants for health, life and spirit in Africa*". Imithi yesiXhosa - Plants for health, life and spirit in Africa. Somerset East Museum. Somerset East, South Africa. 15 June - 1 January 2009.

Dold,AP and *Cocks,ML*. Development. "*Imithi yesiXhosa - Plants for health, life and spirit in Africa*". Imithi yesiXhosa - Plants for health, life and spirit in Africa. Somerset East Museum. Somerset East, South Africa. 4 September - 28 February 2009.

Cocks,ML, Alexander,J and Mogano,LL

Cocks,ML, Dold,AP, Vetter,S, *Alexander,J*, *Mogano,LL*, Knight,A, Cowling,R and Wiersum,F. Organiser. "*Bio-cultural planning in Eastern Cape*". Bio-cultural planning in Eastern Cape. Makana Restort. Grahamstown, South Africa. 3 - 4 November 2009.

Cocks,ML, Dold,AP, Vetter,S, Alexander,J, Mogano,LL, Knight,A, Cowling,R and Wiersum,F. Participant. "Bio-cultural planning in the Eastern Cape". Bio-cultural planning in the Eastern Cape. Makana Resort. Grahamstown, South Africa. 3 - 4 November 2009.

International Visit

Ruiters,GD

Ruiters,GD. University of Greenwich, London, United Kingdom. Municipal services project, collaboration. June 2009.

Distinguished Visitors

Otterbach,S

Mr S Otterbach. University of Hohenheim, Stuttgart, Germany. Research collaboration. Feb - Apr 2009.

Sousa-Poza,A

Professor A Sousa-Poza. University of Hohenheim, Stuttgart, Germany. Seminar. Apr - May 2009.

Van Niekerk,R

Professor R Van Niekerk. Oxford University, Oxford, United Kingdom. Collaboration, workshop. Nov - Dec 2009.

Wiersum,F

Professor F Wiersum. Wageningen University, Wageningen, The Netherlands. Seminar, workshop and research collaboration. Nov - Dec 2009.



2009

Journalism and Media Studies



RHODES UNIVERSITY
Where leaders learn

Department of Journalism and Media Studies

Of the 18 full-time teaching staff employed in the School of Journalism and Media Studies in 2009, six were dedicated primarily to the teaching of media theory (which forms the academic component of the degree) and 12 to the teaching of primarily production-based courses (television, radio, print, new media, photojournalism, and design).

In addition, we have two externally-funded academics, both of whom teach in the media studies component of our curriculum. In keeping with previous years, the research output figures indicate that media theory teachers were primarily responsible for conference attendance, book chapters and journal publications while production staff were responsible for creative outputs. This is best explained by the fact that the majority of our media production teachers are employed by the university for their industry experience rather than their academic qualifications, and as a result, spend their first few years in the department completing higher degrees. This, together with the intensive nature of production teaching, means that they have little time (or the academic background) to publish in academic journals or

attend academic conferences.

Despite this, at least two of our production teachers did attend academic conferences while one of them managed to publish an accredited journal article and another a book chapter. One of our production teachers completed her PhD in 2009 and has submitted a number of papers for publication consideration. Another production teacher should complete her PhD in 2010 and on completion, will be well-placed to publish from her thesis.

Forms of intellectual production other than scholarly publications included exhibitions and publication in a range of media. The total outputs for the Department of Journalism and Media Studies for 2009 was as follows:

- 11 books/book chapters
- 10 journal articles
- 23 other publications

28 conference attendances.

At the start of 2010 we have 64 MA and five PhD students.

Highlights for 2009 include:

- **Prof Jane Duncan** gave a presentation to the Parliamentary Portfolio Committee on Communications on the '*Costs of Communication in iRhini*'. She gave the keynote address on National Media Freedom Day at an event organised by the Mandela-Bay Media Association and NNMU titled '*Remembering Black Monday 32 Years On*'. She also gave a presentation titled '*A New Vision for Public Broadcasting*' to the Save the SABC Coalition's roundtable workshop.
- **Professor Larry Strelitz** was appointed Convenor of the NRF's Assessment Panel for Communication, Media Studies, Library and Information Sciences. He has been re-appointed for 2010.
- **Professor Fackson Banda**, SAB-UNESCO chair of Media and Democracy, successfully hosted a high-level colloquium on African journalism education, as part of the School's preparation to host the 2nd World Journalism Education Congress (WJEC), with over 35 African journalism educators represented. Banda's critical synthesis of the papers presented can be located at: <http://wjec.ru.ac.za>. In February, Professor Banda held a workshop in Lusaka for selected Zambia National Broadcasting Corporation (ZNBC) staff – representing the different departments of the corporation, including news and current affairs, vernacular-language sections, television production, etc. – on the principle and practice of development journalism in the context of public service broadcasting. In June, he conducted a training workshop for staff of the Government Communications and Information System (GCIS) in Pretoria, under the theme 'Unraveling Media and Media Texts for Transformative Public Communication'. Professor Banda was invited by the Communication University of China (CUC) to take part in a workshop in Nanjing and Beijing, September, organised by the UNESCO Chair of Media and Gender and presented on the African journalism educators' colloquium referred to above. In February, he also moderated a regional media dialogue in Johannesburg, organised by the New Partnership for Africa's Development (NEPAD) secretariat, working with the African Union and the UN Regional Coordination Mechanism (RCM), to sensitise media to the programmes and activities of NEPAD. Professor Banda took part in the Association for Education in Journalism and Mass Communication (EAJMC) 92nd annual convention, Boston, USA, where his role included making the case for Rhodes University to host the 2nd World Journalism Education Congress (WJEC). Lastly he was part of the same panel as Ellen Johnson-Sirleaf, President of Liberia, and Raila Odinga, Prime Minister of Kenya. The panel, organised by Deutsche Welle Akademie and the European Commission, discussed the role of new media in democracy and development.
- **Mr Reg Rumney**, Head of the School's Centre for Economic Journalism in Africa (CEJA) partnered with the Rhodes Department of Political and International Studies to put together a programme of speakers for the yearly 'Teach-in', which comprises mainly lunch-time addresses at the university. The theme was 'The Global Economic Crisis'. Mr Rumney was also a judge for the *Sanlam Financial Journalist of the Year Awards* and for the *Sunday Times Business Times Lifetime Achiever of the Year* and *Business Leader of the Year Awards*.
- **Mr Robert Brand** was a judge for the Sanlam Financial Journalism Awards and the Citadel Words on Money awards.
- **Professor Jeanne Prinsloo** co-ordinated the Journalism and Media Studies section for the annual South African Communication Associations annual conference.
- Under the leadership of **Professor Harry Dugmore**, Head of the Knight Project, the

School created the first Citizen Journalism Newsroom in Africa. About 120 school students and 40 adults have been given training in 'citizen journalism' using cell phones as a primary tool of reporting. In November Professor Dugmore gave the keynote address titled '*Transitions: creation some scenarios for the transformation of media and Journalism in SADC 2010 to 2015*' at IAJ/InWent Summer School.

- **Professor Anthea Garman** Co-ordinated the 2009 Think!Fest for the National Arts Festival from 3 to 11 July with lectures on the global economic crisis, the state of the humanities in South Africa (sponsored by the Academy of Science of South Africa), spirituality and sexuality and hip hop activism.
- **Professor Guy Berger** was appointed the Convenor of the Judges at the Mondli Shanduka Newspaper Journalism Awards, and the Caxton Community Newspapers awards. He was also elected as chairperson of the Southern African Media Sector Alliance. Professor Berger presented a Submission to Parliamentary Portfolio Committee on Communications on the proposed amendment to the Broadcasting Act, No 4 of 1999.
- The thirteenth Highway Africa conference was held in September with the theme 'Reporting Africa: 2010, Development and Democracy'. This theme spoke to the anticipation of Africa of the world's biggest sporting spectacle and at the same time spoke to the perennial issues of development and democracy. Over 573 delegates attended the conference representing 27 countries. In addition Highway Africa's Training Programme facilitated a Photo-journalism Workshop in Harare in May and also held 2 ICT-related workshops, Freedom of Expression in Cyberspace (April) and ICT for Journalists (November). Finally, Highway Africa's Future Journalists Programme (FJP) held 3 training workshops (Autumn, Winter and Summer Schools) and built the capacity of 15 students from 9 tertiary institutions.
- The School's Sol Plaatjie Institute continued to offer its usual bouquet of professional short courses in 2009, offering seven, week-long courses to managers from the print, broadcast, online and government media. These courses included the Essentials of Newspaper Management Course (EONM), the Essentials of Broadcast Management Course (EOBM) and the Government Media Course. The Institute also launched a new programme entitled the Essentials of Managing Newspaper Convergence. This course was facilitated by **Prof Crosbie**. Together these courses attracted 80 participants, most came from South Africa and SADC states, but others came from as far afield as Ethiopia. Ten Ethiopian participants were sponsored by IREX. In addition to these management specific courses, the SPI also continued its collaboration with the SABC with the continuation of its 'Putting Theory into Practice' programme. This course, which was offered twice, encourages journalists to explore alternative approaches to telling development stories.
- As in the past, CueMedia, which encompasses CueTV, CueRadio, CueOnline, CuePix, CueBlog, and Cue Newspaper, covered the National Arts Festival while SciCue newspaper covered events at the annual National Science Festival.
- Under supervision, our Post Graduate Diploma students worked with Grade 8 and 9 learners in seven local high schools, to produce *Upstart*, a monthly literacy insert in the *Grocott's Mail*.
- The School won the right to host the 2010 World Journalism Education Conference.

Professor Larry Strelitz
Head of Department

Books/Chapters/Monographs

Banda,F

Banda,F. "Levy Patrick Mwanawasa: An Incentive for Posterity". Banda, F (Ed). NISC (Pty) Ltd. Grahamstown. First Edition. 2009. 280 pp.

Banda,F. "Civic education for media professionals: a training manual". UNESCO. Paris. First Edition. 2009. 1-85. ISBN: 978-92-3-104097-9.

Banda,F. "Zambia - teaming up for public interest communication". In: Beyond broadcasting: the future of state-owned broadcasters in southern Africa. Fesmedia Africa. Windhoek. First Edition. 2009. 45-68. ISBN: 9780868104553.

Banda,F, Mudhai,OF and Tettey,WJ. "Introduction: new media and democracy in Africa-a critical interjection". In: African media and the digital public sphere. Palgrave Macmillan. New York. First Edition. 2009. 1-20. ISBN: 978-0-230-61486-4.

Berger,G

Berger,G. "Beyond broadcasting: the future of state-owned broadcasters in Southern Africa". Berger, G (Ed). Fesmedia Africa Series/Highway Africa. Grahamstown. First Edition. 2009. 108 pp.

Berger,G. "Freedom of expression, access to information and empowerment of people". UNESCO. Paris. First Edition. 2009. 1-207. ISBN: CI/FED/2009/RP/1.

Duncan,J

Duncan,J. "Desperately seeking depth: the media and the 2009 elections". In: Zunam! The 2009 South African elections. Jacana Publishers and KAS. Johannesburg. First Edition. 2009. 215-231. ISBN: 978-1-77009-722-3.

Duncan,J. "Digital migration underway". Beyond broadcasting: the future of state-owned broadcasters in Southern Africa. Highway Africa and Friedrich Ebert Stiftung. Grahamstown. First Edition. 2009. ISBN: 9789991686301.

Kyazze,S

Kyazze,S. "What news? Uganda's media struggle to stay relevant". In: Doing digital media in Africa: prospects, promises and problems. Konrad Adenauer Stiftung. Johannesburg. First Edition. 2009. 74-83. ISBN: 9780868104546.

Prinsloo,JRJ

Prinsloo,JRJ. "Textual analysis: narrative and argument". In: Media Studies. Juta. South Africa. First Edition. 2009. 3, 204-253. ISBN: 9780702177668.

Rau,A

Rau,A. "Media leadership: strategies from Southern Africa". Sol Plaatje Institute for Media Leadership. Grahamstown. First Edition. 2009. 1-210. ISBN: 9780868104522.

Publications Research Journals in Abstract and/or Full Paper

Amner,RJ

Amner,RJ. "Film review: Hollywood on safari". *Journal of African Media Studies*. 2009. 1(2),335-338.

Banda,F

Banda,F. "Explorando la educación en medios como práctica cívica en África". *Comunicar*. 2009. 32(XVI),167-180.

Banda,F. "Kasoma's afriethics: a reappraisal". *International Communication Gazette*. 2009. 71(4),227-242.

Banda,F. "China in the African mediascape: a critical interjection". *Journal of African Media Studies*. 2009. 1(2),343-361.

Berger,G

Berger,G. "How the internet impacts on international news". International Communication Gazette. 2009. 71(5),355-371.

Berger,G. "Review: Taking journalism seriously. News and the academy by Zelizer, B". Journal of African Media Studies. 2009. 1(2),329-331.

Berger,G. "Journalism takes flight". Rhodes Journalism Review. 2009. (29),33-34.

Duncan,J

Duncan,J. "Whose 2010? Journalism and the media-sport-cultural complex". Rhodes Journalism Review. 2009. 29,24-26.

Duncan,J. "The uses and abuses of political economy: the ANC's media policy". Transformation. 2009. 70,1-30.

Prinsloo,JRJ

Prinsloo,JRJ. "Theorising news mediations of the Zuma rape trial - citizen and subject in collision". Critical Discourse Studies. 2009. 6(2),81-96.

Strelitz,LN

Strelitz,LN and Mabweazara,HM. "Investigating the popularity of the Zimbabwean tabloid uMthunywa: a reception study of Bulawayo readers". Ecquid Novi-African Journalism Studies. 2009. 30(2),113-133.

Other Publications

Amner,RJ

Amner,RJ. "A civic engagement". Rhodes Journalism Review. In: Rhodes journalism review. Garman, A (Ed) School of Journalism and Media Studies, Rhodes University. Grahamstown, South Africa. 2009. 29, 63.

Banda,F

Banda,F. "China in the African mediascape". Rhodes Journalism Review. In: Rhodes journalism review. Garman, A (Ed) School of Journalism and Media Studies. Grahamstown. 2009. 52-53.

Banda,F. "Reconfiguring the contours of media studies. A book review: Internationalizing media studies (ed.)Thussu, DK". Rhodes Journalism Review. In: Rhodes journalism review. Garman, A (Ed) School of Journalism and Media Studies. Grahamstown. 2009. 69.

Banda,F. "When journalism is a blunt knife". Rhodes Journalism Review. In: Rhodes journalism review. Garman, A (Ed) School of Journalism and Media Studies. Grahamstown. 2009. 10-12.

Banda,F. "Exploring media education as civic praxis in Africa". In: Mapping media education policies in the world: visions, programmes and challenges. Frau-Meigs,D and Torrent, J (Eds) The United Nations-Alliance of Civilizations. New York. 2009. 225-242. ISBN: 978-84-932380-9-4.

Banda,F. "The challenge Of African journalism education in the age of global terrorism". In: The challenge of change in Africa's higher education in the 21st century. Mwenda, KK (Ed) Cambria Press. Amherst, NY. 2009. 195-223. ISBN: 978-1-60497-610-6.

Berger,G

Berger,G. "Blog postings on media issues (<http://nml.ru.ac.za/blog/guy-berger>, <http://www.thoughtleader.co.za/guyberger>, http://www.pbs.org/idealab/guy_berger_1/)". Roper, C (Ed) Various. Grahamstown, Johannesburg, Boston. 2009.

Berger,G. "Converse (www.mg.co.za/converse)". Dawes, N (Ed) Mail & Guardian. Johannesburg. 2009.

Brand,RC

Brand,RC. "South Africa's financial press and the political process". *Rhodes Journalism Review*. In: Rhodes journalism review. Garman, A (Ed) School of Journalism and Media Studies. Grahamstown. 2009. 29, 9-10.

Brand,RC. "African economic community takes step forward". In: African decisions. Retief, J (Ed) Highbury Safika. Cape Town. 2009. 1st Quarter.

Brand,RC. "African growth and opportunity Act quadruples US trade with Africa". In: African decisions. Retief, J (Ed) Highbury Safika. Cape Town. 2009. 4th Quarter.

Brand,RC. Low opinions (wordpress blog <http://robertbrand.wordpress.com/>). Brand, RC (Ed). Grahamstown. 2009. 1-2.

Brand,RC. "Media complicit in economic crisis?". In: The Media. Pretorius, L (Ed). Wag the Dog Publishers (Pty) Ltd. Johannesburg. 2009. February, 27-28.

Dugmore,HL

Dugmore,HL. "Regular blogs on the lindaba Ziyafika project". In: MediaShift ideas lab: <http://www.pbs.org/idealab/>. Silverman, C (Ed) Knight Foundation. Boston, United States of America. 2009.

Duncan,J

Duncan,J. "A new vision for public broadcasting: what is to be done?". In: Save the SABC coalition roundtable.

Duncan,J. "All can't afford to call". In: The Mercury.

Duncan,J. "All shall call? Cellphone costs in the spotlight". In: Amandla.

Duncan,J. "Will Zuma administration open its ears to the street?". In: Business Day.

Garman,AC

Garman,AC. *Rhodes Journalism Review*. In: Rhodes journalism review. Garman, AC (Ed) School of Journalism and Media Studies. Grahamstown. 2009. (29).

Garman,AC. "Inclusion and exclusion in universities". In: University world news(<http://www.universityworldnews.com/article.php?story=20091218103703144>). MacGregor,K and Maslen, G (Eds) Higher Education Web Publishing Ltd. United Kingdom. 2009. 20 December, 2009.

Garman,AC. "Marketisation, globalisation and universities". In: University world news (<http://www.universityworldnews.com/article.php?story=20091218101400410>). MacGregor,K and Malsen, G (Eds) Higher Education Web Publishing Ltd. United Kingdom. 2009. 20 December, 2009.

Garman,AC. "The awards that get the inner artist out". In: Cue. Rennie,G, Accone,D, Sasson,R and Frost, P (Eds). School of Journalism and Media Studies. Grahamstown. 2009. 4 July, 2009.

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

Local Conferences

Amner,RJ

Amner,RJ. "Fit for purpose: educating journalism students for democracy and development". *Conference of African Journalism Educators*. Wits University, Johannesburg. South Africa. October 2009.

Berger,G

Berger,G. "It's raining training...will the crops grow?". *Women in Politics Thinktank*. Conference Resort, Krugersdorp. South Africa. January 2009.

Berger,G. "Understanding the politics of digital transition". *Digital Broadcasting Switchover Forum*. Sandton Convention Centre, Johannesburg. South Africa. February 2009.

Berger, G. "XTRA XTRA, catch your workplace's culture". Caxton Newspaper Editors Conference. Roodevlei Country Lodge, Pretoria. South Africa. May 2009.

Berger, G. "The struggle for press self-regulation in contemporary South Africa: charting a course between an industry charade and a government doormat". Communication and Media: Past, Present and Future. University of Northwest, Potchefstroom. South Africa. September 2009.

Berger, G. "Promoting quality standards in African journalism education: a matter for the market, peer accreditation or government regulation". Second World Journalism Education Congress. Africa-regional prepcom. Rhodes University, Grahamstown. South Africa. September 2009.

Berger, G. "Social organising of African journalism educators". Conference of African Journalism Educators. Sunnyside Park Hotel, Johannesburg. South Africa. October 2009.

Berger, G. "Attitudes and approaches of South African journalists". Sports Journalism and Ethics. Protea Hotel, Stellenbosch. South Africa. November 2009.

Dugmore, HL

Dugmore, HL. "The African renaissance revisited: governance, growth, technology and hope in 21st century Africa after the great recession of 2008-2012". ThinkFest (part of the National Arts Festival). Rhodes University, Grahamstown. South Africa. July 2009.

Dugmore, HL. "Transitions: some scenarios for the transformation of media and journalism in SADC 2010 to 2015". IAJ/InWent summer school. IAJ, Johannesburg. South Africa. November 2009.

Garman, AC

Garman, AC. "Transformation in the media: educating the next generation of journalists in South Africa". Courageous Engagement on Transformation (University of the Western Cape and the Johnnetta B Cole Global Diversity and Inclusion Institute). International Convention Centre, Cape Town. South Africa. October 2009.

Prinsloo, JRJ

Prinsloo, JRJ. "Gender and institutional culture at Rhodes". Rhodes institutional colloquium. Eden Grove, Grahamstown. South Africa. January 2009.

Prinsloo, JRJ. Untying development's straightjacket: masculinities, sexualities and social change, institute of development studies. Monkey Valley, Cape Town. South Africa. September 2009.

Prinsloo, JRJ. Gender and poverty reduction: voice, dialogue and targeting. HSRC, Benoni. South Africa. October 2009.

International Conferences

Banda, F

Banda, F. "Towards an African agenda for journalism education: the role of the UNESCO chair". International Forum of UNESCO chairs. Communication University of China, Nanjing. China. September 2009.

Banda, F. "New media in democracy and development". The European Development Days. Stockholm. Sweden. October 2009.

Banda, F. "What are we measuring? A critical review of media development assessment tools". 5th International Symposium of the German Forum on Media and Development. Katholisch-Soziales-Institut (KSI), Bad Honnef, near Bonn. Germany. October 2009.

Berger, G

Berger, G. "Beyond broadcasting". 17th Annual General Meeting of Southern African Broadcasting Association. Maseru Sun Hotel, Maseru. Lesotho. January 2009.

Berger, G. "Does journalism training make sense? And if yes, when and why?". Conflict Prevention in the Multimedia Age: Documentation 2009. Bonn. Germany. June 2009. 212-219.

Berger,G. "Social networking and African journalists: a social capital perspective on 'highway Africa' as the continent's largest annual gathering of African media practitioners". *Communication Education and Practice in Africa: a Social Contract for the 21st Century?*. University of Legon, Accra. Ghana. August 2009.

Berger,G. *Association for Education in Journalism and Mass Communication*. Sheraton Hotel, Boston. United States of America. August 2009.

Berger,G. *Power reporting 2009. The African Investigative Journalism Conference*. University of Witwatersrand, Johannesburg. South Africa. October 2009.

Berger,G. *Enhancing the future: Innovation and Collaboration*. University of Southern California, Los Angeles. United States of America. November 2009.

Brand,RC

Brand,RC. "The business of business news: South Africa's financial press and the political process". *International Association for Media and Communication Research Annual Conference*. University of Mexico, Mexico City. Mexico. June 2009.

Dugmore,HL

Dugmore,HL. "The impact of new media on recent sub-Saharan Africa elections". *Election times: Harnessing the Power of New Media (the digital media's impact on political transparency)*. Frankfurter Allgemeine Zeitung, Berlin. Germany. March 2009.

Dugmore ,HL. "The impact of new media on political transparency in turbulent times". *Deutsche Welle Global Media Forum 2009: conflict prevention in the multimedia age*. World Conference Centre, Bonn. Germany. June 2009.

Garman,AC

Garman,AC. "Public intellectual performance in post-colonial situations: South Africa's fractious public sphere". *Towards a Global Humanities: Critical Traditions from the Global South*. Brown University, Providence. Rhode Island. June 2009.

Garman,AC. "'Public' as a mode of mass-subjectivity, 'public interest' as a rationale: an interrogation of journalism's most useful tools". *Journalism Research in the Public Interest Conference*. Institute of Applied Media Studies, Zurich University of Applied Sciences, Winterthur. Switzerland. November 2009.

Prinsloo,JRJ

Prinsloo,JRJ. "Sexualising girls - concerning television fiction made for children". *59th Annual Conference of the International Association of Communication: Keywords in Communication*. Chicago. United States of America. January 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Amner,RJ

Amner,RJ. Training. "" *Thinking like a journalist*" and "*journalism, democracy and development*"". Training workshops for SABC journalists. Africa Media Matrix, School of Journalism and Media Studies. Grahamstown, South Africa. 15 - 20 February 2009.

Amner,RJ. Training. "*A series of training workshops and support to citizen journalists at the citizen journalism newsroom at Grocott's Mail*". CJN training. Grocott's Mail. Grahamstown, South Africa. 1 March - 30 November 2009.

Banda,F

Banda,F. Training. "*Development journalism for transformative broadcasting*". A workshop for ZNBC staff. Alliance Francaise, Lusaka, Zambia. 23 - 25 February 2009.

Banda,F. Training. "*Unraveling media and media texts for transformative public communication*". A workshop for GCIS staff. Government Communications and Information System (GCIS). Pretoria, South Africa. 23 - 24 June 2009.

Brand,RC

Brand,RC. Author of history display. *"The history of South African newspapers: timeline"*. Celebrating 140 years of Grocott's Mail. Albany Museum. Grahamstown, South Africa. 4 May - 4 June 2009.

Duncan,J

Duncan,J. presentation of book chapter. *"Desperately seeking depth: the media and the 2009 elections"*. Book launch for *Zunami*. Constitution Hill. Johannesburg, South Africa. 21 July - 5 August 2009.

Duncan,J. Presentation. *"Costs of communications in iRhini"*. Parliamentary portfolio committee on communications. iRhini, South Africa. 13 October 2009.

Duncan,J. presentation. *"Remembering black monday 32 years on"*. Mandela Bay Media Association. Nelson Mandela Metropole University. Port Elizabeth, South Africa. 19 October 2009.

Garman,AC

Garman,AC. Attendance. Franschoek literary festival. Town Hall. Franschoek, South Africa. 15 - 17 May 2009.

Kyazze,S

Kyazze,S. Trainer. *"Summer school"*. Vulindlela programme. Africa Media Matrix. Grahamstown, South Africa. January 2009.

Kyazze,S. Trainer. *"Vulindlela programme"*. Writing, editing and skills production workshop for soon-to-be new students at the school of journalism and media studies. Africa Media Matrix. Grahamstown, South Africa. 2 - 6 February 2009.

Kyazze,S. Trainer. *"Autumn school"*. Future journalist programme. Africa Media Matrix. Grahamstown, South Africa. 25 March - 2 April 2009.

Kyazze,S. Trainer. *"Winter School"*. Future journalist programme. Fountain Labs. Grahamstown, South Africa. 30 June - 10 July 2009.

Kyazze,S. Trainer/Mentor. *"Spring school"*. Future journalist programme west Africa. Africa Media Matrix. Grahamstown, South Africa. 9 - 18 September 2009.

Prinsloo,JRJ

Prinsloo,JRJ. Seminar and panel discussion. Nobody is immune. Gender against men. HSRC buildings. Pretoria, South Africa. 3 December 2009.

Schoon,AJ

Schoon,AJ. Television Broadcast. *"Dance therapy at Keiskamma art project, a short documentary insert"*. Masupatsela - a magazine programme on SABC2. SABC2, South Africa. 17 August 2009.

Schoon,AJ. Television Broadcast. *"Supporting orphans at the Jabez centre, a short documentary insert"*. Masupatsela - magazine programme on SABC2. SABC2, South Africa. 31 August 2009.

Schoon,AJ. Television Broadcast. *"Makana Meadery and the triple bottom line - a short documentary insert"*. Masupatsela - magazine programme on SABC2. SABC2, South Africa. 19 October 2009.

International Visit

Berger,G

Berger,G. International federation of journalists, Brussels, Belgium. Invited expert in deliberations towards a publication on the future of journalism. June 2009.

Berger,G. International federation of journalists, London, United Kingdom. Further participation towards publication on the future of journalism. November 2009.

Berger,G. University of Southern California, Los Angeles, United States of America. Provost's distinguished visitor. Delivery of five lectures to USC students and faculty. 1 - 15 November 2009.



2009

Law



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Faculty of Law

Law Faculty staff maintained a steady research output in 2009. Staff delivered 12 papers at conferences, 4 of them at international conferences, produced 4 chapters in books and 8 journal articles. Staff attended 9 workshops (2 of them international events), and 3 staff conducted international research visits.

Prof Glover was appointed as a co-editor of the prestigious *South African Law Journal*, and **Ms Kruuse** was appointed as the technical editor of *Speculum Juris* (a joint publication of University of Fort Hare and Rhodes University).

The Law Faculty undertook a number of research initiatives during the year to promote research activity and output under the guidance of our research portfolio holders, **Prof Mqeke** and **Dr Kruger**: writing workshops were held in June and November, when staff had the

opportunity to present their current research to each other and obtain feedback.

Several staff presented their research during lunch time seminars. The Faculty hosted a research colloquium for post-graduate students from NMMU, Fort Hare and Rhodes Universities in September, and some of our post-graduate students and staff attended a similar colloquium at Fort Hare in August.

Professor Jonathan Campbell
Dean of Law and Head of
Department

Books/Chapters/Monographs

Glover,G

Glover,G. "Divorce". In: *Family law service*. Lexis Nexis. Durban. First Edition. 2009. Issue 51(Division D), 1-35. ISBN: 9780409015546.

Kruger,R

Kruger,R. "Caste-based discrimination in international human rights law by David Keane". The Irish yearbook of international law 2007. Hart Publishing. Ireland. First Edition. 221-225. ISBN: 9781841137025.

Kruger,R. "Family law procedure". In: *Family Law Service*. Lexis Nexis. Durban. First Edition. 2009. Issue 51(Division F), 1-80. ISBN: 9780409015546.

Midgley,R

Midgley,R. "Fault under the *actio iniuriarum*: Custer's last stand?". In: *Vita perit, labor non moritur. Liber memorialis*: PJ Visser. Lexis Nexis. Durban. First Edition. 2008. 187-208. ISBN: 978-0409-04500-0.

Midgley,R. "Law of delict". In: *Annual survey of South African Law*. Juta. Cape Town. 2009. 301-354. ISBN: 978-0-7021-8139-9.

Mqeke,R

Mqeke,R. "Law of persons, marriage". In: *The law of South Africa*. Lexis Nexis. Durban. Second Edition. 2009. 32, 79-137. ISBN: 9780409075397.

Publications Research Journals in Abstract and/or Full Paper

Abrahams,P

Abrahams,P. "In defence of *Barkhuizen*: preferring the methodology of direct application". *Speculum Juris*. 2009. 23(1),20-39.

Glover,G

Glover,G. "Reflections on the sine causa requirement and the condictiones in South Africa". *Stellenbosch Law Review*. 2009. 20(3),468-493.

Holland,E

Holland,E. "'How to fix a life': lessons on *Ubuntu* and restorative justice for Alexander McCall Smith's the no.1 ladies' detective agency". *Speculum Juris*. 2008. 22(2),123-146.

Juma,L

Juma,L. "Peacekeeping in Africa: problems and prospects". *University of Botswana Law Journal*. 2009. 9,3-24.

Kerr,A

Kerr,A. "The nature and future of customary law". *South African Law Journal*. 2009. 126(4),677-688.

Kerr,AJ

Kerr,AJ. "The constitution and customary law". *South African Law Journal*. 2009. 126(1),39-50.

Kruger,R

Kruger,R. "Of fences and peace between neighbours". *Obiter*. 2009. 30(2),360-369.

Kruuse,H

Kruuse,H. "Fetal 'rights'? The need for a unified approach to the fetus in the context of feticide". *Journal of Contemporary Roman Dutch Law*. 2009. 72(1),126-136.

Midgley,R

Midgley,R. "Delict". Juta'S Review of South African Law. 2009. 2008(4), <http://products:jutalaw.co.za>.

Mqeke,R

Mqeke,R. "Guidelines for determining the constitutional injunction to apply customary law in the new South Africa". South African Law Journal. 2009. 126(4),689-694.

Mqeke,R. "Transformation of customary law by traditional leaders". Speculum Juris. 2009. 23(1),123-129.

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

Local Conferences

Campbell,J

Campbell,J. "The In duplum rule: relief for consumers of excessively-priced small credit legitimised by the National credit act". South African law teachers conference. University of Kwa-Zulu Natal, Pietermaritzburg. South Africa. July 2009.

Glover,G

Glover,G. "The law of unintended consequences: the consumer protection act 68 of 2008". Conference on private law and social justice. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. September 2009.

Juma,L

Juma,L. "Assessing the viability of a human rights approach to conflict prevention in Africa". South African law teachers conference. University of Kwa-Zulu Natal, Pietermaritzburg. South Africa. July 2009.

Juma ,L. "In reality who am I? In search of African jurisprudence". The law curriculum in South African schools: taking africanness seriously conference. Unisa, Pretoria. South Africa. September 2009.

Kruger,R

Kruger,R. "The South African constitutional court and the rule of law: the Masetlha judgement, a cause for concern?". Conference of the African network of constitutional lawyers. University of Cape Town, Cape Town. South Africa. August 2009.

Kruuse,H

*Kruuse,H. "Drawing lines in the sand: the cases of *Mohamed and Singh*". Second annual family law colloquium. University of Pretoria, Pretoria. South Africa. October 2009.*

Mqeke,R

*Mqeke,R. "Proprietary consequences of a customary marriage since the constitutional court judgment in *Gumede v President of the republic of South Africa and others* CCT50/08 [2008] ZACC 24". South African law teachers conference. University of Kwa-Zulu Natal, Pietermaritzburg. South Africa. July 2009.*

Mqeke,R. "Does the generous interpretation of the land reform (labour tenants) act signify a judicial preference for a disjunctive approach". Law of property conference. University of Stellenbosch, Stellenbosch. South Africa. October 2009.

Ramlall,S

Ramlall,S. "Improving lives, improving profits". Society of law teachers of southern Africa conference. University of KwaZulu-Natal , Pietermaritzburg. South Africa. July 2009.

Renaud,C

Renaud,C. Advanced corporate law and securities law. Unisa, Pretoria. South Africa. July 2009.

Roberts,L

Roberts,L. South African law teachers conference. University of Kwa-Zulu Natal, Pietermaritzburg. South Africa. July 2009.

Van Coller,H

Van Coller,H. Centenary symposium of "Die Suid-Afrikaanse akademie vir wetenskap en kuns". University of the Free State, Bloemfontein. South Africa. June 2009.

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

International Conferences

Driver,S

Driver,S. "The legal regulation of genetic resources and traditional knowledge in South Africa: intended and unintended consequences". WIPO/WTO colloquium for teachers of intellectual property. Geneva, Geneva. Switzerland. June 2009.

Juma,L

Juma,L. "Returnees and post-conflict reconstruction in Africa: the challenges of inclusivity in divided societies". The international association for the study of forced migration conference. University of Nicosia, Nicosia. Cyprus. June 2009.

Ramlall,S

Ramlall,S. "Beyond incompatibility: business and human rights". Corporate social responsibility conference. Achter St. Pieter, University of Utrecht, Utrecht. The Netherlands. April 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Bodenstein,J

Bodenstein,J. Facilitator. "Workshop for medical doctors, nurses, psychologists, social workers, police, prosecutors, magistrates and lawyers". Violence against women and children skills workshop. Regional Justice Centre. Bloemfontein, South Africa. 12 May 2009.

Bodenstein,J. Facilitator. "Workshop for medical doctors, nurses, psychologists, social workers, police, prosecutors, magistrates and lawyers". Violence against women and children skills workshop. Training Centre of Regional Eastern Cape Legal Aid Board. Port Elizabeth, South Africa. 26 May 2009.

Bodenstein,J. Training of trainers. Street law. Continuing Education Centre, Rhodes University. Grahamstown, South Africa. 23 - 24 June 2009.

Bodenstein,J. Member of organising committee, co-ordinator and facilitator. Association of University legal aid clinics winter workshop. University of Kwa-Zulu Natal. Pietermaritzburg, South Africa. 14 - 17 July 2009.

Bodenstein,J. Facilitator. "Workshop for medical doctors, nurses, psychologists, social workers, police, prosecutors, magistrates and lawyers". Violence against women and children skills workshop. Legal Aid Board. East London, South Africa. 9 November 2009.

Bodenstein,J. Facilitator. "Workshop for medical doctors, nurses, psychologists, social workers, police, prosecutors, magistrates and lawyers". Violence against women and children skills workshop. Continuing Education Centre, Rhodes University. Grahamstown, South Africa. 25 November 2009.

Campbell,J, Bodenstein,J, Kruger,R, Van Coller,H and Kruuse,H

Campbell,J, Bodenstein,J, Kruger,R, Van Coller,H and Kruuse,H. Organising committee of Constitution Week. Constitution week. Rhodes University. Grahamstown, South Africa. 21 - 25 September 2009.

Goolam,N

Goolam,N. Expert panalist. Human rights and Islam: economic, social and cultural rights. Beirut. Beirut, Lebanon. 4 - 7 August 2009.

Kruise,H

Kruise,H. Participant. Course on "teaching law, human rights and ethics". Public Interest Litigation Institute of New York. Budapest, Hungary. 6 - 11 July 2009.

International Visit

Bodenstein,J

Bodenstein,J. Mofid University, Isfahan, Iran. Facilitator and co-organiser of "The first summer school of law in Iran: clinical methods of teaching law (for University professors and lawyers) and clinical education of family law (for law students)". 23 - 28 October 2009.

Kruise,H

Kruise,H. University of New South Wales, Sydney, Australia. Research visit to the National *Pro Bono* centre and school of law. 24 January - 8 February 2009.

Ramlall,S

Ramlall,S. SIM, University of Utrecht, Utrecht, The Netherlands. Utrecht Africa fellowship: corporate social responsibility (PhD), presented guest lecture to international LLM students on "the justiciability of socio-economic rights in South Africa under the new constitution". February - May 2009.



2009



Library Services



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Library Services

The Rhodes University vision is to be an internationally recognised institution that requires the support of excellent library services for its research enterprise.

Over the past year, two significant projects have come to fruition that will have long-term benefit for research scholarship at Rhodes University. Firstly, late 2009 saw the completion of Phase 1 of the new Library Building with its state-of-the-art facilities. Linked to this is the implementation of Faculty Librarian Services that will be responsible for liaising proactively with departments, provide information services, actively engage in collection development & management, and present information literacy instruction.

The second achievement for research support was the inclusion of Rhodes University Library, as one of six South African academic libraries, in the Research Libraries' Consortium Project (RLC) (2009-2012) funded by the Carnegie Corporation of New York. The scope of the project includes the implementation of a research portal with advanced discovery tools,

together with a Research Commons that comprises an access-controlled quiet space where senior post-graduate students, academics & researchers can select to read, search the literature or work on publications, reports, theses etc.

A good part of 2009 was devoted to the physical design and planning for this facility that will incorporate a range of seating to support research activities, a consultation area, a seminar room for research groups and a comfortable lounge area for informal interaction between researchers. In addition, the RLC Project makes provision for significant national (3x2 week Library Academy programmes) and international (2x8 week study visits) training opportunities and interventions in research support for motivated and aspirant Faculty Librarians. In late 2009, the first group of six RUL staff was selected for the April 2010 Library Academy.

As part of their participation, each Librarian is required to conduct a small research project that will be evaluated with a view to submitting for publication in 2010.

One of the primary roles of the Rhodes University Library is to support the university's research programmes by means of its information services, research collections and access to a wide range of electronic resources. The Rhodes University Library, through significant institutional funding, maintains a comprehensive collection of electronic information resources accessible via the RUL webpage and supported by good IT infrastructure. The Library continues to migrate its print journal titles to online platforms thereby improving availability and accessibility to content.

The University Library subscribes to approximately 100 commercial research databases that include large aggregator databases such as EBSCOHost; publisher databases e.g. ScienceDirect, Kluwer/Springer; Citation indexes e.g. Web of Science and Scopus as well as a range of bibliographic databases e.g. Water Resources Worldwide and specialist databases e.g. Thomson Datastream. The Library is building its collection of e-Books and has approximately 6,500 subscribed titles. As a result of database subscriptions, the Library provides access to almost 30,500 unique electronic journal titles.

The Rhodes University Library has been a member and active participant in the South African National Library Consortium (SANLiC) since 2001. Currently, Rhodes University subscribes to 26 national site licenses negotiated through the SANLiC office and which enables the institution to benefit from significant cost reductions with respect to electronic databases.

In addition, researchers find discovery tools such as the subject LibGuides (forty seven available at www.ru.ac.za/libguides.com/) of great value either as a starting point or to maintain currency in a particular field or discipline in respect of new acquisitions, article

alerts and news. Several LibGuides with interdisciplinary content are of interest for researchers. Topics include South African Government Information & Publications, Citation Searches, Academic Networking and Subject Websites.

The Faculty Librarians monitor the use of databases and take up offers of free trials, which are widely communicated by means of distribution lists and "What's New" on the Library webpage. The Library relies on feedback from researchers for input to decision-making about subscription purchases.

Digital Repository for research output

In 2006, the Rhodes University Library launched an open access digital repository called the Rhodes eResearch Repository (ReRR) to archive and provide access to theses and dissertations as well as to encourage academics and researchers to submit publications.

During 2009 the ReRR, once again, proved to be a useful tool for gaining access to Rhodes University's e-research articles and theses. The repository holds 1260 records to date, of which 481 are theses. 75 new items were added during this period, mostly journal articles published in 2009. The 2009 batch of electronic theses has not yet been deposited as the theses were received later than usual from the Registrar's Division, at the end of July.

The RUL continues to work in close collaboration with the Research Office to strengthen the digital repository as a tool among researchers at Rhodes University. One outcome of 2009's collaborative efforts was Senate approval for the mandatory submission of e-versions of theses with corresponding amendments to the *Thesis Final Submission Form*. The form now distinguishes between requests for a restricted access period (during which the print version will only be available on the Library shelves but the e-version withheld from the repository) and an embargo period (print and e-version withheld).

The Library also undertakes to inform the Head of Department at least 30 days before the expiry date of the requested restricted /embargo period to confirm that no further extension is required, or to extend the period for another 12 months. A pleasing achievement was that the ReRR has continued to maintain its ranking (as one of only four South African repositories) at 240 in the top 400 repositories in the *Ranking Web of World Repositories*: http://repositories.webometrics.info/top400_rep.asp?offset=200.

Representatives from Rhodes University Library continued to participate in the Steering Committee of the National Electronic Theses and Dissertations (NETD) initiative that is currently implementing a national central repository with the capability to harvest electronic theses metadata from established institutional repositories and provide portal access.

Ms Gwenda Thomas
Director Library Services



2009



Management



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Department of Management

The Department of Management continued to build on its previous research achievements. As previously, achieving the research output in 2009 was facilitated by the existing national and international inter-institutional research and teaching collaboration; and encouraging the integration between research and teaching.

In an endeavour to further its research culture, the Department of Management is pleased with the following achievements:

- Five Journal Articles of which three were published and two submitted for review.
- Nine conference papers were delivered of which three were international and seven national. Conference papers were delivered by **Mr Stan Zindiye, Mr Theus Louw, Mr Trevor Amos and Prof Lynette Louw.**
- **Prof Lynette Louw** was invited to give a keynote address at the 300 Africa City Mayors Indaba held at the Gallagher Convention Centre in Johannesburg.

International visits by staff members of the Department took place during the year. This included

Mr Theus Louw and Prof Lynette Louw who lectured in Shanghai, China. While in China they visited the Nanjing Business School in Nanjing with the purpose of establishing future research collaboration around the theme "Chinese management in Africa". International guests were hosted from: the University of Applied Sciences (HAW) in Hamburg, Germany; University of Applied Sciences in Osnabrueck, Germany; Utrecht University in the Netherlands; and Middlesex University in the United Kingdom.

Prof Lynette Louw and Mr Trevor Amos have assisted the NRF in evaluating NRF rating applications as well as proposed research projects. **Prof Lynette Louw** was invited to serve on the NRF Advisory Panel for the Human Institutional Capacity Development

on Economics and Management Sciences.

Mr Trevor Amos who is an external examiner for the Nelson Mandela Metropolitan University and the University of Johannesburg also reviewed papers for the following Journals, namely Management Dynamics: Journal of the Southern Africa Institute of Management Scientists; South African Journal of Economic and Management Sciences; and the South African Journal of Entrepreneurship and Small Business Management.

During 2009 **Prof Lynette Louw** served as a reviewer for the following Journals, namely World Review of Entrepreneurship, Management and Sustainable Development, The International Journal of Management

Education; Southern African Business Review; Management Dynamics: Journal of the Southern Africa Institute of Management Scientists. She serves on the advisory board of the journal "Development and Leadership" and on the editorial board for Inderscience Journals. **Messers Trevor Amos, Theus Louw** and **Prof Lynette Louw** reviewed papers for several national and international conferences.

Credit is given to all the Departmental members and **Prof Dr. Claude Mayer** who contributed towards the Department of Management's research achievements in 2009.

Professor Lynette Louw
Head of Department

Publications Research Journals in Abstract and/or Full Paper

Amos, TL

Amos, TL and Pearse, N. "Pragmatic research design: an illustration of the use of the delphi technique". Formamente. 2009. <http://formamente.unimarconi.it/>. 4(1-2),213-230.

Mayer, C-H

Mayer, C-H. "Managing conflicts through strength of Identity". Management Revue. 2009. 20(3),268-293.

Mayer, C-H and Boness, CM

*Mayer, C-H and Boness, CM. 'Conflict, identity and sense of coherence in managers. A case study from South Africa.' Journal of Contemporary Management. 2009. 6,39-63.
http://www.sabinet.co.za/abstracts/jcman/jcman_v6_a3.html.*

Mayer, C-H and Louw, L

Mayer, C-H and Louw, L. "Organizational conflict: reflections on managing conflict, identities and values in a selected South African organization". SA Journal of Human Resource Management. 2009. 7(1),1-13.

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

Local Conferences

Du Preez, CA and Louw, L

Du Preez, CA and Louw, L. "A balance scorecard for water management at a selected municipality: a case study approach". 21st Conference of the Southern Africa institute for management scientists. Summerstrand Hotel, Port Elizabeth. South Africa. September 2009.

Mayer, C-H and Louw, L

Mayer, C-H and Louw, L. "Managerial perspectives on organisational conflicts: managing human resources internationally in South Africa". 2nd Annual faculty of management conference. University of Johannesburg, Johannesburg. South Africa. January 2009.

Motala,AS and Louw,L

Motala,AS and Louw,L. "Corporate social responsibility of private game reserves in the Eastern Cape". 21st Conference of the Southern Africa institute for management scientists. Summerstrand Hotel, Port Elizabeth. South Africa. September 2009.

Ngcelwane,MJ and Louw,MJ

Ngcelwane,MJ and Louw,MJ. "A critical assessment of the implementation of performance management at a selected municipality". 21st Conference of the Southern Africa institute for management scientists. Summerstrand Hotel, Port Elizabeth. South Africa. September 2009.

Patel,K and Amos,TL

Patel,K and Amos,TL. "Leadership development at an institution of higher learning". 21st Conference of the Southern Africa institute for management scientists. Summerstrand Hotel, Port Elizabeth. South Africa. September 2009.

Zindiye,S

Zindiye,S and Roberts-Lombard,M. "The influence of human investment on the performance of small and medium enterprises (SMEs) in the manufacturing sector of Harare, Zimbabwe". 21st Conference of the Southern Africa institute for management scientists. Summerstrand Hotel, Port Elizabeth. South Africa. September 2009.

International Conferences

Louw,L and Mayer,C-H

Louw,L and Mayer,C-H. "Cross-cultural health management in South Africa: health professionals' challenges in managing HIV/AIDS". Eastern academy of management (EAM) international conference on managing in a global context economy XIII: management challenges for a new world. Orion Palace Hotel, Rio de Janeiro. Brazil. June 2009. 412-441.

Louw,MJ and Van Stuyvesant-meijen,J

Louw,MJ, Van Stuyvesant-meijen,J and Baxter,JS. "The relationship between organizational culture, commitment and biographical variables at a selected municipality in South Africa". Eastern academy of management (EAM) international conference on managing in a global context economy XIII: management challenges for a new world. Orion Palace Hotel, Rio de Janeiro. Brazil. June 2009. 185-216.

Zindiye,S

Masocha,R, Chilya,N and Zindiye,S. "The impact of technology on competitive marketing by banks: a case of Standard bank in King-Williams town, Eastern Cape Province, South Africa". 5th International strategic management conference. Stellenbosch Institute for Advanced Studies, Stellenbosch. South Africa. July 2009. 405-414.

Concerts/Exhibitions/Performances/Workshops/Events

Louw,L

Louw,L. Keynote address. "Strategic management for local authorities in South Africa Quo Vadis". 300 Africa city mayors indaba. Gallagher Convention Centre. Johannesburg, Gauteng, South Africa. 7 - 9 October 2009.

International Visit

Louw,L

Louw,L. Shanghai Institute for Foreign Trade, Shanghai, China. Presented a course in cultural management. 27 March - 11 April 2009.

Louw,L and Louw,MJ

Louw,L and Louw,MJ. Nanjing Business School, Nanjing, China. Discourse on future research collaboration on Chinese management in Africa. 2 - 4 April 2009.

Louw,MJ

Louw,MJ. Shanghai Institute for Foreign Trade, Shanghai, China. Presented a course in strategic management concepts. 27 March - 11 April 2009.

Distinguished Visitors

Berkau,C

Professor C Berkau. University of applied sciences, Osnabrueck, Osnabrueck, Germany. Guest lecturer in financial management. Oct - Nov 2009.

Jackson,T

Professor T Jackson. Middlesex University, London, United Kingdom. International office distinguished professor invitation. Research collaboration on management from a cross cultural perspective and a public lecture on management in Africa: the cross cultural imperative. Feb - Mar 2009.

Mayer,CH

Professor CH Mayer. Department of economics, University of applied sciences, Hamburg, Germany. Research collaboration with Professor Lynette Louw, planning of future departmental lecturing and research involvement. Oct - Dec 2009.

Van der Meer,P

Mr P Van der Meer. Utrecht University, Utrecht, Netherlands. Lectured a course in entrepreneurship on the post graduate diploma in enterprise management. Jan 2009.



Mathematics



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Department of Mathematics

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
- Neural networks and applications
- Computational relativity, and in particular the calculation of gravitational waves from black hole interactions.

Members of the Department published three research papers, made presentations at three international conferences, and there were also two papers presented at the Annual Congress of the South African Mathematical Society.

Professor Nigel Bishop
Head of Department

Publications Research Journals in Abstract and/or Full Paper

Bishop,NT

Reisswig,C, *Bishop,NT*, Pollney,D and Szilagyi,B. "Unambiguous determination of gravitational waveforms from binary black hole mergers". *Physical Review Letters*. 2009. 103,221101.

Craig,A

Craig,A and Jager,G. "A common framework for lattice-valued uniform spaces and probabilistic uniform spaces". *Fuzzy Sets and Systems*. 2009. 160,1177-1203.

Pinchuck,AL

Pinchuck,AL and Labuschagne,CCA. "Doob's decomposition of set-valued submartingales via ordered near vector spaces". *Quaestiones Mathematicae*. 2009. 32,247-264.

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

Local Conferences

Bishop,NT

Bishop,NT and Kubeka,AS. "The quasi-normal modes of a white hole". *SA Mathematical society annual congress*. Eskom Convention Centre, Midrand. South Africa. November 2009.

Orpen,D

Orpen,D and Jager,G. "Characterization of stratified L-topological spaces by convergence of stratified L-filters". *52nd Annual congress of the South African mathematical society*. Eskom Convention Centre, Midrand. South Africa. November 2009.

International Conferences

Burton,MH

Walker,RB, Patel,F and *Burton,MH*. "The application of a neural network in the development of a sustained-release matrix tablet". *The 36th annual meeting and exposition of the controlled release society*. Bella Center, Copenhagen. Denmark. July 2009.

Pinchuck,AL

Pinchuck,AL. "Convergence theorems for generalized random variables and martingales". *2009 International fuzzy systems association world congress/2009 European society for fuzzy logic and technology conference*. Calouste Gulbenkian Foundation, Lisbon. Portugal. July 2009. 312-316.

Remsing,CC

Remsing,CC. "Stability and optimal control". *International conference on mathematical sciences (ICMS2009)*. Maltepe University, Istanbul. Turkey. January 2009.

International Visit

Murali,V

Murali, V. Purdue University, West Lafayette, United States of America. Fuzzy sets and systems in mathematics and economics. 1 - 21 August 2009.

Distinguished Visitors

Pollney,D

Dr D Pollney. Max-Planck Institute for Gravitational Physics, Potsdam, Germany. Research collaboration. Nov - Dec 2009.



2009



Department of Music and
International Library of
African Music (ILAM)



RHODES UNIVERSITY
Where leaders learn

Department of Music and Musicology and the International Library of African Music (ILAM)

2009 was a very active year for our department, with a number of local and international musicians visiting and contributing to departmental activities. Local groups such as the Jonathan Crossley Czech Mate project (a collaboration between South African and Czech musicians), Babu (featuring Kesivan Naidoo, winner of the Standard Bank Jazz Artist of the Year for 2009), and Steve Newman (renowned South African guitarist), held master classes and performances in the department. The well-known South African concert pianist Prof Malcolm Nay and the 'cellist Ms Barbara Marcinkowska took part in master classes and recitals and in July the department hosted the Bow project under the direction of South African composer Dr Michael Blake.

2009 also saw the launch of a new initiative, the International Spring Music Festival, which featured contributions by musicians and academics from the USA, Italy, Switzerland and the Odeion String Quartet (from the University of the Free State), as well the world première of Robert Rollin's *Second String Quartet* and the South African première of Roberto Bonati's suite *The Blanket of the Dark: A study for Lady Macbeth*, performed by an ensemble of students, lecturers and professionals.

Members of the department continued to contribute locally and in the national arena through performances, compositional and conducting activities, and maintained the department's profile through service on professional bodies, reviewing concerts, adjudicating local and national competitions, and assisting as external examiners to other institutions regionally and nationally, including NMMU, UKZN, UNISA and others.

With regard to research activities, **Dr Tim Radloff** was on sabbatical

leave during 2009 and **Prof Marc Duby** was awarded formal C2 researcher rating by the National Research Foundation with effect from 2010.

In addition to their collaboration with the Odeion String Quartet in September, students from the department performed in recitals and competitions locally (in Port Alfred, Grahamstown, Humansdorp, East London), nationally (SAMRO, SASMT) and internationally (Zimbabwe and elsewhere). Some notable academic achievements by students include:

- **Jay Latter, Angela Wilde and Susan Moyo** obtained the BMus degree with distinction.

- **Kingsley Buitendag** (MMus) was selected for the National Youth Jazz Band.
- MMus candidates **Terence Marais** and **Andrea Hobson** completed all the requirements for the practical recital component of their degrees.

Professor Marc Duby

Head of Department: Music and Musicology

Professor Diane Thram

Director: ILAM

Publications Research Journals in Abstract and/or Full Paper

Lewis,CA

Lewis,CA. "Change ringing in Eastern Breconshire before the first world war, with special reference to peal ringing at Glasbury". Brycheiniog. 2009. XLI,31-49.

Still-Drewett,F

Still-Drewett,F. "South African music libraries: collegial, institutional and geographic isolation and examination". Fontes Artis Musicae. 2009. 56(2),207-214.

Watkins,L

Watkins,L. "Minstrelsy and mimesis in the South China sea: Filipino migrant musicians, Chinese hosts, and the disciplining of relations in Hong Kong". Asian Music. 2009. 40(2),72-99.

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

International Conferences

Thram,DJ

Thram,DJ. "After digitisation, what next? Suggested guidelines for the sale, reproduction and repatriation of digital heritage". First International Conference of African Digital Libraries and Archives. UN conference center, Addis Ababa. Ethiopia. July 2009.

Thram,D,J. "After digitisation, what next? Suggested guidelines for the sale, reproduction and repatriation of digital heritage". 2009 IASA annual conference. Athens conference center, Athens. Greece. September 2009.

Thram, DJ. "Guidelines for Reproduction, Sale and Repatriation of Digital Heritage"

Madiba,E

Madiba,E. "Digitizing sound: nuts and bolts". Heritage Matters convened by University of Michigan African Studies Center. Accra International Conference Center, Accra. Ghana. December 2009.

Other Publications

Brukman,J

Brukman,J. "A perfect sense of ensemble". In: Cue. Accone, D (Ed). Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2009.

Brukman,J. "Brave new sound-world". In: Cue. Accone, D (Ed). Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2009.

Brukman,J. "Celebrating a South African musical centenary". In: Cue. Accone, D (Ed). Department of Journalism and Media Studies, Rhodes University. Grahamstown. South Africa. 2009.

Brukman,J. "Homage to baroque". In: Cue. Accone, D (Ed). Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2009.

Brukman,J. "Jet-lagged choirboys deserve a better audience". In: Cue. Accone, D (Ed). Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2009.

Brukman,J. "Lieder recital a mixed bag". In: Cue. Accone, D (Ed). Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2009.

Brukman,J. "Now thank we all our God". In: Cue. Accone, D (Ed). Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2009.

Brukman,J. "Orchestral overtures and other manoeuvres". In: Cue. Accone, D (Ed). Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2009.

Brukman,J. "Triple kudos for this duo". In: Cue. Accone, D (Ed). Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2009.

Edwards,J

Edwards,J. "Blues rocker Dan Patlansky - the truly genuine article". In: South African Jewish Report. Sifrin, G (Ed). South African Jewish Report. Randburg. 2009.

Edwards,J. "Dan Patlansky among the best". In: South African Jewish Report. Sifrin, G (Ed) South African Jewish Report. Randburg. 2009.

Edwards,J. "Different perceptions of what a jazz great is". In: South African Jewish Report. Sifrin, G (Ed) South African Jewish Report. Randburg. 2009.

Edwards,J. "Finding diamonds in the dust". In: South African Jewish Report. Sifrin, G (Ed) South African Jewish Report. Randburg. 2009.

Edwards,J. "It figures why the CTIJF is growing by the number". In: South African Jewish Report. Sifrin, G (Ed) South African Jewish Report. Randburg. 2009.

Edwards,J. "Narunsky's breath of vision is the key to his artistry". In: South African Jewish Report. Sifrin, G (Ed) South African Jewish Report. Randburg. 2009.

Edwards,J. "Terezin composers perished but their music lives on". In: South African Jewish Report. Sifrin, G (Ed) South African Jewish Report. Randburg. 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Brukman,J

Brukman,J. Adjudication. South African Society of Music Teachers 90th Anniversary Music Competition. Unisa and University of Pretoria. Johannesburg/Pretoria, South Africa. 6 - 9 April 2009.

Brukman, J. Adjudication. Eastern Cape Eisteddfod. Grahamstown, South Africa. 26 May 2009.

Brukman, J. Adjudication. "Eastern Cape Youth Music Competition". East London, South Africa. 22 - 24 July 2009.

Brukman, J. Adjudication. SASMT Eastern Cape Music Competition. NMMU. Port Elizabeth, South Africa. 26 September 2009.

Duby, M

Duby, M. Performer. "Standard Bank National Youth Jazz Festival". *Vocal celebration*, with Melanie Scholtz (ZA) and Guro Gravem Johansen (Norway). DSG Hall. Grahamstown, South Africa. 2 July 2009.

Duby, M. Performer. "Standard Bank National Youth Jazz Festival". Salim Washington (USA) and Ronald Snijders (Netherlands). DSG Hall. Grahamstown, South Africa. 6 July 2009.

Duby, M. Performer. In the clouds: Steve Newman, Ashish Joshi, Marc Duby, Greg Georgiades. Graham Hotel. Grahamstown, South Africa. 9 July 2009.

Duby, M. Performer. In the clouds: Steve Newman, Ashish Joshi, Marc Duby, Greg Georgiades. Cuervo Music Room. Grahamstown, South Africa. 9 July 2009.

Duby, M. Performer. In the clouds: Steve Newman, Ashish Joshi, Marc Duby, Greg Georgiades. Graham Hotel. Grahamstown, South Africa. 10 July 2009.

Duby, M. Performer, composer. Baroque and Blue. Green Fountain resort. Port Alfred, South Africa. 19 July 2009.

Duby, M. Performer, composer. Baroque and Blue Eastern Cape tour. Maritime Museum. Mossel Bay, South Africa. 21 July 2009.

Duby, M. Performer, composer. Baroque and Blue Eastern Cape tour. Arts Theatre. George, South Africa. 22 July 2009.

Duby, M. Performer, composer. Baroque and Blue Eastern Cape tour. NMMU. Port Elizabeth, South Africa. 23 July 2009.

Duby, M. Performer, composer. Baroque and Blue Eastern Cape tour. Kingswood College. Grahamstown, South Africa. 24 July 2009.

Duby, M. Performer, composer. Baroque and Blue Eastern Cape tour. Beethoven Room. Grahamstown, South Africa. 24 July 2009.

Duby, M. Performer. Roberto Bonati ensemble: "The blanket of the dark: a study for Lady Macbeth". St Andrews Drill Hall. Grahamstown, South Africa. 30 August 2009.

Duby, M. Adjudication. 15th South African Music Awards: best instrumental music. Sun City Superbowl. Sun City, South Africa. 1 December - 15 January 2009.

Duby, M. Performer, composer. Feedback reunion concert. Zula Bar. Cape Town, South Africa. 1 November 2009.

Edwards, J

Edwards, J. Bandleader/Jazz Pianist. "Smokey swallows jazz club". John Edwards trio. Smokey Swallows Jazz Club. East London, South Africa. 13 June 2009.

Edwards, J. Jazz Pianist. "Smokey swallows jazz club". Alan Webster quintet. Smokey Swallows Jazz Club. East London, South Africa. 20 June 2009.

Edwards, J. Jazz Pianist. "Green fountain farm". Baroque and Blue ensemble. *Green Fountain Farm. Port Alfred, South Africa. 19 July - 19 June 2009.*

Edwards, J. Jazz Pianist. "Mossel Bay music society". Baroque and Blue ensemble. Mossel Bay. Mossel Bay, South Africa. 21 July 2009.

Edwards, J. Jazz Pianist. "George music society". Baroque and Blue ensemble. George Theatre. George, South Africa. 22 July 2009.

Edwards, J. Jazz Pianist. "Port Elizabeth music society". Baroque and Blue ensemble. NMMU Auditorium. Port Elizabeth, South Africa. 23 July 2009.

Edwards, J. Jazz Pianist. "Baroque and Blue". Baroque and Blue ensemble. Beethoven Room. Grahamstown, South Africa. 24 July 2009.

Edwards, J. Bandleader/Jazz Pianist. "The castle". John Edwards trio. The Castle. Port Alfred, South Africa. 11 December 2009.

Foxcroft, C

Foxcroft, C. Piano. "Duo violin piano recital". Duo violin piano recital. Beethoven House. Grahamstown, South Africa. 8 - 12 April 2009.

Foxcroft, C. Performer. Duo violin piano recital. Beethoven Room. Grahamstown, South Africa. 8 - 12 April 2009.

Foxcroft, C. Adjudicator. Grahamstown Eisteddfod. Grahamstown, South Africa. 28 May 2009.

Foxcroft, C. Piano. "DMus concert performance with Cape Philharmonic Orchestra". Prokofiev concerto no 3. Grahamstown, South Africa. 25 June 2009.

Foxcroft, C. Piano soloist. "Grahamstown festival main event concerto soloist with Cape Philharmonic Orchestra. Prokofiev concerto no 3". Prokofiev concerto no 3. Monument. Grahamstown, South Africa. 2 July 2009.

Foxcroft, C. Soloist. "Soloist with ECPO Saint Saens concerto no 2". Port Elizabeth, South Africa. 23 August 2009.

Foxcroft, C. Jury Member. "SAMRO Overseas Scholarship". Johannesburg, South Africa. 30 August 2009.

Foxcroft, C. Piano recital. Cape Town. Cape Town, South Africa. 7 - 9 October 2009.

Foxcroft, C. Piano quintet. Dvorak piano quintet with the Odeion string quartet. University of the Free State. Bloemfontein, South Africa. 3 November 2009.

Munoz, J.L

Munoz, J.L. Conductor/workshop. ACMP Orchestra 2009. UCT/Cape Town City Hall. Cape Town, South Africa. 13- 17 January 2009.

Munoz, J.L. Coach and performer. Franschhoek chamber music workshop and festival. Franschhoek High School. Franschhoek, South Africa. 5 - 11 April 2009.

Munoz, J.L. Conductor. Mozart requiem. Guy Butler Theatre. Grahamstown, South Africa. 29 May 2009.

Munoz, J.L. Conductor. Mozart requiem. Guy Butler Theatre. Grahamstown, South Africa. 30 May 2009.

Munoz, J.L. Performer. Grahamstown National Arts Festival. Come closer...can you hear it? St. Andrew's Chapel. Grahamstown, South Africa. 4 July 2009.

Munoz, J.L. Performer. Grahamstown National Arts Festival. Come closer...can you hear it? St. Andrew's Chapel. Grahamstown, South Africa. 5, 6, 7 July 2009.

Munoz, J.L. Performer. Grahamstown National Arts Festival. Music from the Philippines. Beethoven House. Grahamstown, South Africa. 8 July 2009.

Munoz, J.L. Performer. Grahamstown National Arts Festival. Music from the Philippines. Beethoven House. Grahamstown, South Africa. 10 July 2009.

Munoz, J.L. Performer. Baroque and Blue. Beethoven House. Grahamstown, South Africa. 24 July 2009.

Munoz, J.L. Performer. International spring festival: lunch hour concert. Beethoven House. Grahamstown, South Africa. 4 September 2009.

Munoz, J.L. Performer. Juan, Mariel and friends concert series. St. Andrew's Drill Hall. Grahamstown, South Africa. 24 September 2009.

Munoz, J.L. Conductor. Grahamstown concerto festival. Guy Butler Theatre. Grahamstown, South Africa. 3 October 2009.

Munoz, J.L. Performer. Juan, Mariel and friends concert series. St. Andrew's Drill Hall. Grahamstown, South Africa. 9 October 2009.

Munoz, J.L. Performer. Juan, Mariel and friends concert series. St. Andrew's Drill Hall. Grahamstown, South Africa. 22 October 2009.

Munoz, J.L. Conductor. ECPO magic of Mendelssohn. Feathermarket Hall. Port Elizabeth, South Africa. 25 October 2009.

Munoz, J.L. Concert Master/Performer. ECPO Die Burger gala concert. Feathermarket Hall. Port Elizabeth, South Africa. 6 December 2009.

Schmidt, C

Schmidt, C. Presenter of research as co-producer of documentary, "The Language You Cry In". International Council of Traditional Music, University of KwaZulu-Natal, Durban, South Africa, July 2, 2009.

Schmidt, C. Presenter of film, "The Language You Cry In." Albany Museum, Grahamstown, South Africa, Opening Ceremony for Exhibition.

Schmidt, C. Consultant/documentor for Musical Instrument Museum in Phoenix, Arizona. Specialist on West Africa.

Thram, DJ

Thram, DJ. Workshop participant. Connecting the world's collections: making the case for the conservation and preservation of our cultural heritage. Salzburg Global Seminar, Schloss Leopoldsdorfer, Salzburg, Austria. 28 October - 1 November 2009.

Distinguished Visitors

Bonati,R

R Bonati. Conservatorio A. Boito, Parma, Italy. Directed ensemble performance of his suite "The blanket of the dark: a study for Lady MacBeth". Aug - Sep 2009.

Jonkers,H

Mr H Jonkers. Han Jonkers trio, Basle, Switzerland. Master class and performance. Sep - Oct 2009.

Odeion String Quartet

Odeion String Quartet. Odeion string quartet, Bloemfontein, South Africa. Master classes and performances with postgraduate and undergraduate students. Sep - Oct 2009.

Rollin,R

Professor R Rollin. Youngstown State University, Youngstown, United States of America. Lecture and supervision of world premiere of his 2nd string quartet. Sep - Oct 2009.



2009



Pharmacy



RHODES UNIVERSITY
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Faculty of Pharmacy

Research activities in the Faculty of Pharmacy continue to flourish, resulting in research outputs from staff and postgraduate students that have had an impact both nationally and internationally.

Staff and postgraduate students published at least 21 journal articles in accredited journals and 2 book chapters in 2009, with several more outputs due to be published in 2009. In addition several other research outputs and articles were published during the year, reflecting a thriving research culture in the Faculty of Pharmacy and a productive 2009. The professional visibility of the Faculty was maintained with the publication articles in professional and related journals.

Large numbers of staff and postgraduate students in the Faculty attended various local conferences including the South African Association of Hospital and Institutional Pharmacists, Congress of the Psychological Society of South Africa, the Public Health Association Conference, the Healthcare Summit, IAS Conference and the South African Academy of Pharmaceutical

Sciences during which 21 oral and poster presentations were made.

Several staff and postgraduates made their mark internationally, presenting some 10 papers at international conferences in the USA, Canada, Turkey, Slovakia, Italy, Denmark, and Australia.

The Biopharmaceutics Research Institute and the Faculty of Pharmacy in conjunction with the American Association of Pharmaceutical Scientists hosted a highly successful two day Dissolution Workshop at the University. The workshop title "*AAPS Dissolution Workshop: Challenges in Dissolution Testing: Equivalence and Surrogates*" was hosted by **Professor Kanfer** and attracted over 100 participants from the Pharmaceutical Industry in South Africa. The delegates were addressed by Professor Amidon, the University of Michigan, Ms Vivian Gray, V.A. Gray Consulting

Inc., Mr Terry Way, United States Pharmacopoeia, Dr Krämer, PHAST, Professor Dangor, University of KwaZulu Natal, **Professors Kanfer and Walker**, Rhodes University, **Dr Skinner**, Rhodes University and Dr Fotaki, University of Bath. In addition, the workshop used internet technology to permit participants to hear presentations by Dr Williams of the United States Pharmacopoeial Convention and Professor Löbenberg from the University of Alberta. It is likely that this meeting will become an annual event in our calendar.

In addition, the Faculty of Pharmacy hosted a number of international visitors including Professor Verbeeck from the Catholique University of Louvain, Dr Patterson from North Dakota State University at Fargo, Professor Brown and Dr Kertland from the University of Toronto.

Professor **Ros Dowse**, through her research into health literacy and the use of pictograms

to improve adherence of patients to drug therapy, has gained international recognition and collaborates with staff at the University of California in San Diego. Furthermore the use of pictograms, developed by **Professor Dowse** and her research students, on the Phelophepha Health Train ensures that the Faculty has high visibility throughout South Africa.

Dr Tandlich continues to work on an NRF bilateral research project between South Africa and Slovakia.

Once again the Faculty of Pharmacy held a successful Annual Research Day at which most of our 40 Masters, Doctoral and Doctor of Pharmacy postgraduates in the Faculty presented their research data.

Once again 2009 was a highly productive research year for the Faculty of Pharmacy.

Professor Rod Walker
Dean & Head of Department

Books/Chapters/Monographs

Dowse,R

Dowse,R. "Using pictograms in a patient information leaflet to communicate antiretroviral medicines information to HIV/AIDS patients in rural South Africa". In: Health communication in Southern Africa: Engaging with social and cultural diversity. Rozenberg Publishers/UNISA Press. Netherlands/South Africa. First Edition. 2009. 155-175. ISBN: 978 90 3610 137 0.

Walker,RB and Chaibva,FA

Walker,RB and Chaibva,FA. "Analytical methods for the quantitative determination of oxytocin". In: Handbook of oxytocin research: synthesis, storage and release, actions and drug forms. Nova Science Publishers. New York, United States of America. First Edition. 2009. 35-58. ISBN: 978-1-60876-023-7.

Publications Research Journals in Abstract and/or Full Paper

Afolayan,AF, Mann,MG and Beukes,DR

*Afolayan,AF, Mann,MG, Lategan,CA, Smith,PJ, Bolton,JJ and Beukes,DR. "Antiplasmodial halogenated monoterpenes from the marine red alga *Plocamium cornutum*". *Phytochemistry*. 2009. 70(5),597-600.*

Afolayan,AF, Mann,MG, Antunes,EM and Beukes,DR

*Lategan,C, Kellerman,T, Afolayan,AF, Mann,MG, Antunes,EM, Smith,PJ, Bolton,JJ and Beukes,DR. "Antiplasmodial and antimicrobial activities of South African marine algal extracts". *Pharmaceutical Biology*. 2009. 47 (5),408-413.*

Brock,TP

Whitmarsh,S, Wuliji,T, Yonemara,A, Anderson,C, Bates,I, Beck,D, *Brock,TP*, Futter,B, Mercer,H and Rouse,M. "The WHO UNESCO FIP pharmacy education taskforce". *Human Resources for Health*. 2009. 7(45),1478-4491.

Finkelstein,N

Finkelstein,N and Weinberg,E. "Safety of over-the-counter cough and cold medicines in children". *South African Paediatric Review*. 2009. 6(2),7-10.

Futter,B

Anderson,C and *Futter,B*. "PharmD or needs based education: which comes first?". *American Journal of Pharmaceutical Education*. 2009. 73(5),92-95.

Jobson,MR

Jobson,MR. "Normalisation of deviance and medicines regulation". *South African Medical Journal*. 2009. 99(7),510-511.

Magadza,C and Srinivas,SC

Magadza,C, Radloff,SE and *Srinivas,SC*. "The effect of an educational intervention on patients' knowledge about hypertension, beliefs about medicines, and adherence". *Research in Social & Administrative Pharmacy*. 2009. 5(4),363-375.

Mills,E

Cohen,ERM, O'Neill,JM, Joffres,M, Upshur,REG and *Mills,E*. "Reporting of informed consent, standard of care and post-trial obligations in global randomized intervention trials: a systematic survey of registered trials". *Developing World Bioethics*. 2009. 9(2),74-80.

Mogatle,S and Kanfer,I

Mogatle,S and *Kanfer,I*. "Rapid method for the quantitative determination of efavirenz in human plasma". *Journal of Pharmaceutical and Biomedical Analysis*. 2009. 49,1308-1312.

Parolis,H, Paramonov,NA and Parolis,LAS

Clark,CG, Kropinski,AM, *Parolis,H*, Grant,CCR, Trout-Yakel,KM, Franklin,K, Ng,L-K, *Paramonov,NA*, *Parolis,LAS*, Rahn,K and Tabor,H. "*Escherichia coli* O123 O antigen genes and polysaccharide structure are conserved in some *Salmonella enterica* serogroups". *Journal of Medical Microbiology*. 2009. 58,884-894.

Patnala,S and Kanfer,I

Patnala,S and *Kanfer,I*. "Investigations of the phytochemical content of *sceletium tortuosum* following the preparation of 'kougoed' by fermentation of plant material". *Journal of Ethnopharmacology*. 2009. 121,86-91.

Ruud,KW and Srinivas,SC

Ruud,KW, *Srinivas,SC* and Toverud,EL. "Antiretroviral therapy in a South African public health care setting: facilitating and constraining factors". *Southern Med Review*. 2009. 2(2),29-34.

Srinivas,SC, Wrench,W, Karekezi,CW and Daya,S

Srinivas,SC, *Wrench,W*, *Karekezi,CW*, *Radloff,SE* and *Daya,S*. "Obesity: a preliminary report of an introductory service-learning course on the role of pharmacy students in health promotion". *Health SA Gesondheid*. 2009. 14(1),Art. 454.

Tandlich,R

Tandlich,R, Zuma,BM, Whittington-Jones,KJ and Burgess,JE. "Mulch tower treatment system. Part II: destructive testing and effluent treatment". *Desalination*. 2009. 242,57-69.

Zuma,BM, *Tandlich,R*, Whittington-Jones,KJ and Burgess,JE. "Mulch tower treatment system. Part I: overall performance in greywater treatment". *Desalination*. 2009. 242,38-56.

Tettey-Amlalo,RNO and Kanfer,I

Tettey-Amlalo,RNO and Kanfer,I. "Rapid UPLC-MS/MS method for the determination of ketoprofen in human dermal microdialysis samples". Journal of Pharmaceutical and Biomedical Analysis. 2009.

Tettey-Amlalo,RNO, Kanfer,I, Skinner,MF and Verbeeck,RK

Tettey-Amlalo,RNO, Kanfer,I, Skinner,MF, Benfeldt,EM and Verbeeck,RK. "Application of dermal microdialysis for the evaluation of bioequivalence of a ketoprofen topical gel". European Journal of Pharmaceutical Sciences. 2009. 36,219-225.

Verbeeck,RK

Verbeeck,RK and Musuamba,FT. "Pharmacokinetics and dosage adjustment in patients with renal dysfunction". European Journal of Clinical Pharmacology. 2009. 65,757-773.

Walker,RB

Walker,RB, Mohammadi,A, Alizadeh,T, Dinarvand,R and Ganjali,MR. "Synthesis of molecularly imprinted polymer for selective solid-phase extraction of salbutamol from urine samples". Asian Journal of Chemistry. 2009. 21(4),2875-2880.

Walker,RB, Mohammadi,A, Esmaeli,F, Dinarvind,R and Atyabi,F. "Development and validation of a stability-indicating method for the quantitation of paclitaxel in pharmaceutical dosage forms". Journal of Chromatographic Science. 2009. 47(7),599-604.

Walker,RB, Khamanga,SMM, Parfitt,NR, Nyamuzhiwa,T and Haidula,H

Walker,RB, Khamanga,SMM, Parfitt,NR, Nyamuzhiwa,T and Haidula,H. "The evaluation of Eudragit® microcapsules manufactured by solvent evaporation using USP Apparatus 1". Dissolution Technologies. 2009. 16(2),15-22.

Other Publications

Jobson,MR

Jobson,MR. "An open letter to the medicines control council". In: ThoughtLeader blog (<http://www.thoughtleader.co.za/royjobson>). Thoughtleader, G (Ed) Mail&Guardian. South Africa. 2009.

Jobson,MR. "Easter, fujimori, vlok and van der Merwe". In: ThoughtLeader blog (<http://www.thoughtleader.co.za/royjobson>). Thoughtleader, G (Ed) Mail&Guardian. South Africa. 2009.

Jobson,MR. "Just trust the president". In: ThoughtLeader blog (<http://www.thoughtleader.co.za/royjobson>). Thoughtleader, G (Ed) Mail&Guardian. South Africa. 2009.

Jobson,MR. "The smell of human flesh and hair burning". In: ThoughtLeader blog (<http://www.thoughtleader.co.za/royjobson>). Thoughtleader, G (Ed) Mail&Guardian. South Africa. 2009.

Jobson,R

Jobson,R. "Seven fat years". In: ThoughtLeader blog (<http://www.thoughtleader.co.za/royjobson>). Thoughtleader, G (Ed) Mail&Guardian. Grahamstown. 2009.

Srinivas,SC

Hariharaputran,D, Srinivas,SC, Billimaga,RS and Kumar,ABS. "Pharmacy and therapeutics committee in Bangalore institute of oncology: promoting rational pharmaceutical management". Indian Journal of Pharmacy Practice. In: Indian journal of pharmacy practice. Hiremath, SR (Ed). Association of Pharmaceutical Teachers of India. Bangalore. 2009. 2(1), 46-52.

Srinivas,SC and Karekezi,C

Srinivas,SC, Kijne,M, Mnyamana,P and Karekezi,C. "Initialization of channels of discussion with traditional health practitioners on HIV/AIDS care in Grahamstown, South Africa". In: Info-Link 49. Pradel,F and Bush, P (Eds). International Pharmaceutical Federation. Hague, Netherlands. 2009. 49, 7.

Tandlich,R

Whittington-Jones,K and *Tandlich,R*. "Performance of pilot biological grey water treatment systems in scenery park (Buffalo City municipality, South Africa)". In: Technical/final report to funder. Whittington-Jones,K, Tandlich,R and Jonsson, H (Eds). Swedish Environment Institute. Sweden. 2009.

Walker,RB

Walker,RB. "The bachelor of pharmacy degree at Rhodes University". In: South African pharmacy journal. Osman, L (Ed) The Pharmaceutical Society of South Africa and Medpharm Publishers. South Africa. 2009. 76(1), 46-47. ISBN: 1015-1362.

Walker,RB and Crist,GB. "Back to the basics: dissolution testing 1. apparatus overview". In: Controlled release society newsletter. Giannos,S, Michniak-Kohn,B, Perrie,Y and Walker, RB (Eds) Controlled Release Society. United States of America. 2009. 26(3), 24-25.

Walker,RB and Crist,GB. "Back to the Basics: dissolution testing 2. The rotating basket method (apparatus 1)". In: Controlled release society newsletter. Giannos,S, Michniak-Kohn,B, Perrie,Y and Walker, RB (Eds) Controlled Release Society. United States of America. 2009. 26(5), 19-21.

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

Local Conferences

Barford,K-L, Dowse,R and Ramela,T

Barford,K-L, Dowse,R, Ramela,T and Browne,SH. "Communicating medicines storage information using visuals". 23rd Annual conference of the South African association of hospital and institutional pharmacists. Champagne Sports Resort, Drakensberg. South Africa. April 2009.

Beukes,DR

Beukes,DR. "Biologically active natural products of selected South African marine algae". 24th Congress of the phycological society of Southern Africa. Paternoster Lodge, Paternoster. South Africa. January 2009.

Dukhi,N, Patel,S, Mukadam,N, Limbada,A, Fakee,J, Naidoo,T and Srinivas,SC

Dukhi,N, Patel,S, Mukadam,N, Limbada,A, Fakee,J, Naidoo,T and *Srinivas,SC*. "Diabetes mellitus: educational intervention for grade 11 learners attending a model C school". 5th Public health association of South Africa conference. International Conference Center, Durban. South Africa. November 2009.

Kanfer,I

Kanfer,I. "The generics debate: do generics really work and are all generics the same?". *Healthcare summit 2009*. Emperors Palace, Johannesburg. South Africa. April 2009.

Luyt,CD and Tandlich,R

Luyt,CD, Muller,WJN and *Tandlich,R*. "Low-cost tool for monitoring drinking water and environmental water quality in selected parts of South Africa". *The 2009 public health association of South Africa conference*. Durban International Convention Centre, Durban. South Africa. November 2009.

Ruud,KW and Srinivas,SC

Ruud,KW, Srinivas,SC and Toverud,EL. "Pharmacovigilance practices in selected primary health care settings providing antiretroviral therapy in South Africa". 4th Nordic social pharmacy and health services research conference. Soria Moria Hotel and Conference Center, Oslo. Norway. June 2009.

Wrench,WM, Dowse,R and Srinivas,CS

Wrench,WM, Dowse,R and *Srinivas,CS*. "Patient knowledge of asthma and use of metered dose inhalers in a primary health care clinic in the Eastern Cape, South Africa". *South African association of hospital and institutional pharmacists*. Champagne Sports Resort, Drakensberg. South Africa. April 2009.

Zuma,BM and Tandlich,R

Zuma,BM and Tandlich,R. "Public health implications of greywater re-use in South Africa". The 2009 public health association of South Africa conference. Durban International Convention Centre, Durban. South Africa. November 2009.

International Conferences

Afolayan,AF and Beukes,DR

*Afolayan,AF, Bolton,JJ, Lategan,CA, Smith,PJ and Beukes,DR. "Isolation of antiplasmodial metabolites from the marine alga *Sargassum heterophyllum*". The fifth international conference on pharmaceutical and pharmacological sciences incorporating the 30th annual congress of the Academy of Pharmaceutical Sciences. North-West University, Potchefstroom. South Africa. September 2009.*

Au,WL, Skinner,MF and Kanfer,I

Au,WL, Skinner,MF and Kanfer,I. "Comparison of tape stripping and the human skin blanching assay for the assessment of the bioequivalence of topical clobetasol propionate formulations". American association of pharmaceutical scientists conference annual meeting and exposition. International Conference Center, Los Angeles. United States of America. November 2009.

Barford,K-L and Dowse,R

Barford,K-L and Dowse,R. "Development and evaluation of an instrument to measure self-efficacy in a low literate South African HIV/AIDS patient population". The fifth international conference on pharmaceutical and pharmacological sciences incorporating the 30th annual congress of the academy of pharmaceutical sciences. North West University, Potchefstroom. South Africa. September 2009.

Dowse,R and Ramela,T

Dowse,R, Ramela,T and Browne,SH. "Patient information leaflets incorporating pictograms to convey antiretroviral medication instructions to low-literate patients". 5th IAS conference. International Conference Centre, Cape Town. South Africa. July 2009.

Dowse,R, Ramela,T and Barford,K-L

Dowse,R, Ramela,T, Barford,K-L and Browne,SH. "Pictograms facilitate communication of information on antiretroviral medication and their side effects to low-literate individuals". 5th IAS conference. International Conference Centre, Cape Town. South Africa. July 2009.

Dowse,R, Ramela,T, Barford,K-L and Browne,SH. "Empowering low-literate HIV/AIDS patients: communicating antiretroviral side effect information using pictograms". 69th International congress of FIP. Istanbul Lutfi Kirdar Congress and Exhibition Center , Istanbul. Turkey. September 2009.

Kanfer,I

Kanfer,I. "Bioequivalence assessment of topical dermatological dosage forms: official and investigative methods". 12th Canadian society for pharmaceutical sciences annual meeting. Hyatt Hotel, Toronto. Canada. June 2009.

Kanfer,I and Patnala,S

Kanfer,I and Patnala,S. "Quality and composition of scellium plant material and dosage forms used as phytomedicines". FIP World congress of pharmacy and pharmaceutical sciences. Conference Center Istanbul, Istanbul. Turkey. September 2009.

Mann,MG and Beukes,DR

*Mann,MG and Beukes,DR. "Antimicrobial and antifouling metabolites from the South African marine alga, *Laurencia flexuosa*". The fifth international conference on pharmaceutical and pharmacological sciences incorporating the 30th annual congress of the academy of pharmaceutical sciences. North-West University, Potchefstroom. South Africa. September 2009.*

Muller,AC and Kanfer,I

Muller,AC and Kanfer,I. "A high performance liquid chromatography method for the quantitative analysis of atazanavir in human plasma". 5th International conference on pharmaceutical and pharmacological sciences. North West University, Potchefstroom. South Africa. September 2009.

Parfitt,N and Kanfer,I

Parfitt,N and Kanfer,I. "A novel method for determining the bioavailability of clotrimazole when applied as a 1% topical cream in human volunteers". 5th International conference on pharmaceutical and pharmacological sciences. North West University, Potchefstroom. South Africa. September 2009.

Patnala,S and Kanfer,I

*Patnala,S and Kanfer,I. "Application of LC-MS for chemotaxonomic characterization of mesembrine-type alkaloids in *Sceletium* spp". 50th Anniversary meeting of the american society of pharmacognosy conference. American Society of Pharmacognosy Conference, Hawaii. United States of America. June 2009.*

Tandlich,R

Smogrovicova,D, Nadasky,P, Wilhelmi,BS, Tandlich,R, Morrison,R and Cambray,G. "Slovak and South African mead". 61st Convention of chemists. Tatranske Matliare, Tatranske Matliare. Slovakia. September 2009.

Tandlich,R and Balaz,S. "Clay minerals and biphenyl sorption in soils". 19th World congress of soil science. Brisbane Convention and Exhibition Centre, Brisbane. Australia. August 2009.

Walker,RB

Walker,RB. "Critical appraisal of dissolution testing requirements in South Africa". American association of pharmaceutical sciences dissolution workshop. Challenges in dissolution testing: equivalence and surrogates. Rhodes University, Grahamstown. South Africa. December 2009.

Walker,RB, Patel,F and Burton,MH. "The application of a neural network in the development of a sustained-release matrix tablet". The 36th annual meeting and exposition of the controlled release society. Bella Center, Copenhagen. Denmark. July 2009.

Walker,RB and Chaibva,F

Walker,RB and Chaibva,F. "Optimization of salbutamol sulphate sustained release matrix tablets using a central composite design". The fifth international conference on pharmaceutical and pharmacological sciences incorporating the 30th annual congress of the academy of pharmaceutical sciences. North-West University, Potchefstroom. South Africa. September 2009.

Walker,RB and Fauzee,AF

Walker,RB and Fauzee,AF. "Development and validation of an HPLC method for the determination of clobetsol 17-propionate in cream formulations". The fifth international conference on pharmaceutical and pharmacological sciences incorporating the 30th annual congress of the academy of pharmaceutical sciences. North-West University, Potchefstroom. South Africa. September 2009.

Walker,RB and Jhundoo,HD

Walker,RB and Jhundoo,HD. "Development and validation of an HPLC method for the determination of ketoconazole in pharmaceutical dosage forms". The fifth international conference on pharmaceutical and pharmacological sciences incorporating the 30th annual congress of the academy of pharmaceutical sciences. North-West University, Potchefstroom. South Africa. September 2009.

Walker,RB and Khamanga,SMM

Walker,RB and Khamanga,SMM. "Development of a high-performance liquid chromatographic method for the determination of captopril using electrochemical detection". American association of pharmaceutical Scientists annual meeting and exposition. Los Angeles Convention Center, Los Angeles. United States of America. November 2009.

Walker,RB and Sachikonye,TC

Walker,RB and Sachikonye,TC. "Formulation and in vitro assessment of sustained release minocycline capsules". The fifth international conference on pharmaceutical and pharmacological sciences incorporating the 30th annual congress of the academy of pharmaceutical sciences. North-West University, Potchefstroom. South Africa. September 2009.

Walker,RB and Wa Kasongo,K

Walker,RB, Wa Kasongo,K, Shegokar,R and Muller,R. "Formulation development and in vitro characterization of didanosine-loaded nanostructured lipid carriers". Conference on advanced diagnostics and drug-delivery at the nanoscale: state of the art and possible applications to orphan diseases. Hotel Riviera and Maximilian's, Trieste. Italy. October 2009.

Walker,RB and King'ori,LD

Walker,RB, and King'ori,LD. "Simultaneous analysis of ranitidine and metronidazole in pharmaceutical dosage forms". The fifth international conference on pharmaceutical and pharmacological sciences incorporating the 30th annual congress of the academy of pharmaceutical sciences. North-West University, Potchefstroom. South Africa. September 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Jobson,MR

Jobson,MR. Presenter. "Pharmacovigilance: a moral imperative?". South African association of pharmacists in industry: pharmacovigilance workshop. Bytes Conference Centre. Midrand, South Africa. 8 June 2009.

Kanfer,I

Kanfer,I. Invited Lecture. "The role of dissolution testing in complementary and African traditional medicines: development of methods and applications". AAPS dissolution workshop: challenges in dissolution testing: equivalence and surrogates. Rhodes University. Grahamstown, South Africa. 9 - 10 December 2009.

Kanfer,I, Patnala,S, Skinner,MF and Walker,RB

Kanfer,I, Patnala,S, Skinner,MF, Walker,RB and Gray,VA. Organising committee. "AAPS dissolution workshop: challenges in dissolution testing: equivalence and surrogates". AAPS dissolution workshop: challenges in dissolution testing: equivalence and surrogates. Rhodes University. Grahamstown, South Africa. 9 - 10 December 2009.

Skinner,MF

Skinner,MF. Invited speaker. "Intrinsic dissolution testing to evaluate performance of solid oral dosage forms". AAPS dissolution workshop: challenges in dissolution testing: equivalence and surrogates. Rhodes University. Grahamstown, South Africa. 9 - 10 December 2009.

Srinivas,SC

Srinivas,SC. Presentation. "Presentation during National science festival 2009". Hypertension: the silent killer. Settlers Monument. Grahamstown, South Africa. 25 March 2009.

Srinivas,SC, Karekezi,C and Wrench,W

Srinivas,SC, Karekezi,C and Wrench,W. Exhibition. "National science festival 2009". Health promotion exhibit. Settlers Monument. Grahamstown, South Africa. 25 - 31 March 2009.

Walker,RB

Walker,RB. Invited presentation. "Critical appraisal of dissolution testing requirements in South Africa". AAPS dissolution workshop: challenges in dissolution testing: equivalence and surrogates. Rhodes University. Grahamstown, South Africa. 9 - 10 December 2009.

International Visit

Tandlich,R

Wilhelmi,BS and *Tandlich,R*. Slovak University of Technology, Bratislava, Slovakia. Research collaboration with the faculty of chemical and food technology in fulfilment of a NRF bilateral research agreement between South Africa and Slovakia. 8 - 16 July 2009.

Distinguished Visitors

Alberts,M

M Alberts. Pan South African language board, Pretoria, South Africa. Workshop. Aug - Sep 2009.

Amidon,G

Professor G Amidon. University of Michigan, Ann Arbor, United States of America. Workshop. Dec 2009.

Benfeldt,EM

Dr EM Benfeldt. University of Copenhagen, Copenhagen, Denmark. Research collaboration. Oct - Nov 2009.

Brown,R

Professor R Brown. University of Toronto, Toronto, Canada. Collaboration. Mar - Apr 2009.

Finkelstein,N

Dr N Finkelstein. Consultant, Cape Town, South Africa. Lectures. May - Jun 2009.

Fotaki,N

Dr N Fotaki. University of Bath, Bath, United Kingdom. Workshop. Dec 2009.

Gray,VA

Ms VA Gray. VA Gray consulting, Hockessin, United States of America. Workshop. Dec 2009.

Jean,L

Ms L Jean. Qatar petroleum, Doha, Qatar. Research collaboration. Nov - Dec 2009.

Kramer,J

Dr J Kramer. PHAST, Hamburg, Germany. Workshop. Dec 2009.

Lamprecht,A

Mr A Lamprecht. University of Cape Town, Cape Town, South Africa. Lectures. Oct - Nov 2009.

Patterson,B

Dr B Patterson. North Dakota State University, Fargo, United States of America. Collaboration. Oct - Nov 2009.

Sewram,V

Professor V Sewram. Medical research council, Durban, South Africa. Research. Dec - Jan 2009.

Smogrovicova,D

Professor D Smogrovicova. Slovak University of Technology, Bratislava, Slovakia. Collaboration on project funded by the NRF from South Africa and Slovakia in the context of the intergovernmental treaty on scientific collaboration. Nov - Dec 2009.

Verbeeck,RK

Professor RK Verbeeck. Catholique University of Louvain, Brussels, Belgium. Lecture and research. Aug - Sep 2009.

Wray,T

Mr T Wray. United States Pharmacopoeia, Rockville, United States of America. Workshop. Dec 2009.



2009



Philosophy



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Department of Philosophy

2009 saw the publication of a book edited by **Pedro Tabensky**, and a total of 13 papers published in journals or essay collections.

In addition to this healthy rate of publication, the department's staff and postgraduate students were particularly active on the conference circuit, with 24 papers presented at local conferences and 5 at international conferences. In addition, 3 members of staff made research visits to international institutions: **Ward Jones** to Birkbeck College, London; **Samantha Vice** to Singapore Management University; **Tom Martin** to Flinders University, Adelaide. Finally, **Ward Jones** continued as editor of *Philosophical Papers*, which recently received an "A" rating from the Australian Research Council.

We were, once again, very pleased with the research activities of our postgraduate students, who published a total of 6 papers in accredited journals and presented a total of 18 papers at local conferences. We consider this to be the result of our practice of strongly encouraging students to

participate, as colleagues, in departmental activities such as research seminar series and reading groups.

Professor Tom Martin
Head of Department

Books/Chapters/Monographs

Jones,WE

Jones,WE. "The goods and motivation of believing". In: *Epistemic value*. Oxford University Press. United Kingdom. 2009. 139-162. ISBN: 978-0-19-923118-8.

Tabensky,PA

Tabensky,PA. "The positive function of evil". Tabensky, P (Ed). Palgrave. New York. 2009. 185 pp. ISBN: 9780230219557.

Tabensky,PA

Tabensky,PA. "Shadows of goodness". In: *The positive function of evil*. Palgrave. London. First Edition. 2009. 45-65. ISBN: 9780230219557.

Tabensky,PA. "Tragic joyfulness". In: *Philosophy and happiness*. Palgrave. London. First Edition. 2009. 37-53. ISBN: 978-0-230-22429-2.

Vice,S

Vice,S. "The virtues of the useless: on goodness, evil and beauty". In: *The positive function of evil*. Palgrave Macmillan. London. 2009. 155-171. ISBN: 9780230219557.

Publications Research Journals in Abstract and/or Full Paper

Dewhurst,T

Dewhurst,T. "The epistemology of testimony: fulfilling the sincerity condition". *South African Journal of Philosophy*. 2009. 28(2),93-101.

Hamilton,K

Hamilton,K. "'Hate the sin, but not the sinner': forgiveness and condemnation". *South African Journal of Philosophy*. 2009. 28(2),114-123.

Kelland,L

Kelland,L. "Dismantling desert". *South African Journal of Philosophy*. 2009. 28(2),124-133.

Martin,T

Martin,T. "Own-race-absent racism". *South African Journal of Philosophy*. 2009. 28(1),25-33.

Mitova,V

Mitova,V. "A quasi-pragmatist explanation of our ethics of belief". *Teorema*. 2009. 28(3),113-130.

Oelofsen,R

Oelofsen,R. "De- and re-humanization in the wake of atrocities". *South African Journal of Philosophy*. 2009. 28(2),178-188.

Paphitis,SA

Paphitis,SA. "The doctrine of eternal recurrence and its significance with respect to *On the genealogy of morals*". *South African Journal of Philosophy*. 2009. 28(2),189-198.

Tabensky,PA

Tabensky,PA. "What's wrong with *Walden two*". *South African Journal of Philosophy*. 2009. 28(1),1-12.

Terlazzo,R

Terlazzo,R. "Progressive politics: liberalism, humanism, and feminism in Nussbaum's capabilities approach". *South African Journal of Philosophy*. 2009. 28(2),234-245.

Other Publications

Jones,WE

Jones,WE. "Book Review: *Epistemic Injustice* by Miranda Fricker". In: Ratio. Cottingham, J (Ed) Wiley-Blackwell. Oxford. 2009. 22(3), 369-373. ISBN: 0034-0006.

Jones,W. "King of pain". In: The philosophers' magazine. Baggini, J (Ed) Philosophy Press. London. 2009. (47), 79-84. ISBN: 1354-814X.

Tabensky,PT and Jones,WE

Tabensky,PT and Jones,WE. "Letter from South Africa". In: The philosophers' magazine. Baggini, J (Ed) Philosophy Press. London. 2009. (45), 40-44. ISBN: 1354-814X.

Vice,S

Vice,S. "Why it's a constant battle to live up to our own ideals". In: Daily Dispatch. Trench, A (Ed) Daily Dispatch. South Africa. 2009. 2 November, 2009, 7.

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

Local Conferences

Dewhurst,T

Dewhurst,T. "The epistemology of testimony: fulfilling the sincerity condition". *Philosophical society of southern Africa conference*. University of Fort Hare, Alice. South Africa. January 2009.

Dewhurst,T. "Accepting the word of others: entitlement or obligation". *Philosophy spring colloquium 2009*. University of Kwa-Zulu Natal, Pietermaritzburg. South Africa. September 2009.

Euvrard,J

Euvrard,J. "Integrity and coherence". *Philosophy spring colloquium 2009*. University of Kwa-Zulu Natal, Pietermaritzburg. South Africa. September 2009.

Hamilton,K

Hamilton,K. "'Hate the sin but not the sinner': forgiveness and condemnation". *Philosophical society of southern Africa conference*. University of Fort Hare, Alice. South Africa. January 2009.

Hamilton,K. "Collective reactive attitude". *Postgraduate philosophy association annual conference*. University of Cape Town, Cape Town. South Africa. January 2009.

Hoffmann,N

Hoffmann,N. "Naturalism: does it commit us to the cult of normativity". *Philosophical society of southern Africa conference*. University of Fort Hare, Alice. South Africa. January 2009.

Jones,WE

Jones,WE. "Testimony and rape". *Philosophical society of southern Africa conference*. University of Fort Hare, Alice. South Africa. January 2009.

Jones,WE. "Elizabeth Costello as moral philosopher". *JM Coetzee as moral philosopher*. University of the Witwatersrand, Johannesburg. South Africa. March 2009.

Kelland,LA

Kelland,LA. "Dismantling desert: part 1". *Philosophical society of southern Africa annual conference*. Arminel Hotel, Hogsback. South Africa. January 2009.

Kelland,LA. "Unconditional love: do we really want it?". *Post graduate philosophical association annual conference*. University of Cape Town, Cape Town. South Africa. March 2009.

Kelland, LA. "Dismantling desert: part 2". Philosophy spring colloquium 2009. University of Kwa-Zulu Natal, Pietermaritzburg. South Africa. September 2009.

Lenferna,GA

Lenferna,GA. "Cosmopolitanism, global poverty, and our ethical requirements". Philosophy spring colloquium 2009. University of Kwa-Zulu Natal, Pietermaritzburg. South Africa. September 2009.

Lothian,J

Lothian,J. "Cosmopolitanism and cultural imperialism". Philosophy spring colloquium 2009. University of Kwa-Zulu Natal, Pietermaritzburg. South Africa. September 2009.

Martin,T

Martin,T. "The butler, the waiter, and bad faith: Sartre and Ishiguro on self-deception and social roles". Philosophical society of southern Africa conference. University of Fort Hare, Alice. South Africa. January 2009.

Mitova,V

Mitova,V. "Anti-Humeanism about motivation: towards a metaethics of belief". Philosophical society of southern Africa conference. University of Fort Hare, Alice. South Africa. January 2009.

Paphitis,SA

Paphitis,SA. "Nietzsche's doctrine of eternal recurrence: a new look at personal autonomy". Post graduate philosophical association annual conference. University of Cape Town, Cape Town. South Africa. March 2009.

Paphitis,SA. "Moral judgments, motivating reasons and the amoralist". Philosophy spring colloquium. University of Kwa-Zulu Natal, Pietermaritzburg. South Africa. September 2009.

Tabensky,PA

Tabensky,PA. "The postcolonial heart of African philosophy". Philosophical society of southern Africa conference. University of Fort Hare, Alice. South Africa. January 2009.

Terlazzo,R

Terlazzo,R. "Progressive politics: liberalism, humanism, and feminism in Nussbaum's capabilities approach". Philosophical society of southern Africa conference. University of Fort Hare, Alice. South Africa. January 2009.

Terlazzo,R. "Realization and realistic utopia: why realizability is not enough". Philosophy spring colloquium. University of Kwa-Zulu Natal, Pietermaritzburg. South Africa. September 2009.

van der Nest,M

van der Nest,M. "Encountering alterity in literature: the responsibility of the reader". Philosophical society of southern Africa conference. University of Fort Hare, Alice. South Africa. January 2009.

*van der Nest,M. "Idealisation and ethical value in C.S. Lewis's *The chronicles of narnia* and Philip Pullman's *His dark materials*". Postgraduate philosophy association. University of Cape Town, Cape Town. South Africa. April 2009.*

van der Nest,M. "Evil in fiction and imaginative resistance". Spring colloquium. University of KwaZulu Natal, Pietermaritzburg. South Africa. September 2009.

Vice,S

Vice,S. "The virtues of the useless". Philosophical society of southern Africa conference. University of Fort Hare, Alice. South Africa. January 2009.

International Conferences

Hoffmann,N

Hoffmann,N. "Universities of the poor: learning to fight poverty in South Africa within the context of global apartheid". Conference on South Africa under globalisation: issues in foreign policy and development. Jawaharlaral Nehru University, New Delhi. India. November 2009.

Martin,T

Martin,T. "The desire for transcendence in "the man who wasn't there"". *Australasian association of philosophy*. University of Melbourne, Melbourne. Australia. July 2009.

Tabensky,PA

Tabensky,PA. "Extending alignment: toward a politicized epistemology". *International society for African philosophy and studies conference*. Universite Cheikh Anta Diop, Dakar. Senegal. March 2009.

Tabensky,PA. "Life affirming ambivalence". *Nietzsche: el devenir de la vida*. Diego Portales University, Santiago. Chile. November 2009.

Vice,S

Vice,S. "Cynicism and morality". *British society for ethical theory conference*. The University of Reading, Reading. United Kingdom. July 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Williamson,F

Williamson,F. Panel discussion. "*Teaching evolutionary theory in schools*". Scifest Africa 2009. Settlers Monument. Grahamstown, South Africa. 28 March 2009.

Williamson,F. Guest lecture. "*The theology of the body*". Newman society lecture. Port Elizabeth Oratory. Port Elizabeth, South Africa. 3 June 2009.

Williamson,F. Special lecture series. "*Ethics: a brief overview of some major western schools*". University of the third age lectures. Rhodes University. Grahamstown, South africa. 5 - 26 August 2009.

International Visit

Jones,WE

Jones,WE. Birkbeck College, University of London, London, United Kingdom. The responsibilities of philosophers, the ethical import of narratives, gave four talks on these topics. April - June 2009.

Martin,T

Martin,T. Flinders University, Adelaide, Australia. The desire for transcendence in *The man who wasn't there*. 1 June - 4 July 2009.

Vice,S

Vice,S. Singapore management University, Singapore, Singapore. Short-term collaborative project on partiality and moral demandingness. 5 - 18 November 2009.

Distinguished Visitors

Gleeson,AG

Dr AG Gleeson. University of Adelaide, Adelaide, Australia. Seminar course. Mar - May 2009.

Taylor,PC

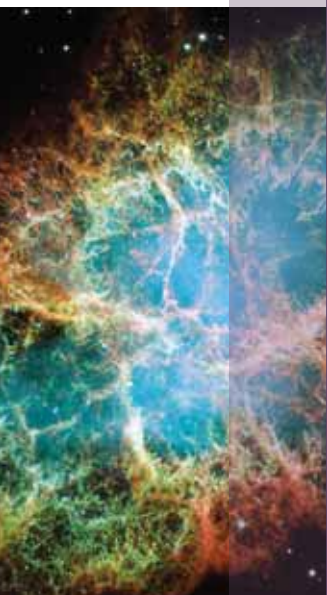
Professor PC Taylor. Temple University, Philadelphia, United States of America. Research. Jan 2009.

Walton,K

Professor K Walton. University of Michigan, Ann Arbor, United States of America. Lectures. Mar - Apr 2009.

Williams,J

Dr J Williams. Singapore Management University, Singapore, Singapore. Research. Oct - Dec 2009.



2009

Physics



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Department of Physics

Radio Astronomy:

The radio astronomy group continued its focus on the Square Kilometre Array (SKA), MeerKAT and C-BASS telescope projects. The MeerKAT is the largest investment in a single scientific instrument ever made by South Africa, and it will be one of the largest radio telescopes in the world when completed in 2013.

Prof Justin Jonas serves on the Executive Committee of the SKA Science and Engineering Committee (SSEC), and sits on various SKA committees and working groups that are defining the scientific scope and technical implementation of the SKA. He continues a joint appointment with the SKA South Africa Project Office, a division of the National Research Foundation (NRF), holding the position of Associate Director with overall responsibility for all science and engineering associated with the SKA, MeerKAT and C-BASS.

Postgraduate students in the group are all working on research topics that feed in to the various telescope

projects, and past students have continued to work in these projects both here in South Africa and with our partner institutions abroad.

Building on Rhodes' reputation for producing postgraduate students that have made an international impact in observational radio astronomy, a Center for Radio Astronomy Techniques and Technologies has been established, and Rhodes was successful in securing one of the five prestigious DST/NRF Research Chairs dedicated to Radio Astronomy in a competitive process. A search for a suitable candidate is underway.

Experimental Nuclear Physics:

During 2009 **Dr Roux** was involved in the supervision of one PhD research student, **Mr Tshifhiwa Madiba**, who is currently working on the nucleus ^{154}Gd . More specifically, he is studying the properties of the rotational bands at very high spins, in order to better understand certain bands which have previously been thought to

be beta-vibrations. These vibrations involve the periodic oscillation of the nuclear shape as it changes from an oblate to a prolate deformation, and back again, about a spherical equilibrium position.

The investigation involves the analysis of gamma-ray coincidence data from the *Afrodite* spectrometer array at *iThemba LABS* near Cape Town. The data was taken during one weekend (23rd - 25th May 2009) of beam time, which necessitated that Dr Roux travel to Cape Town. The 75 MeV ^{22}Ne beam was supplied by the K=200 Separated Sector Cyclotron at the lab. A healthy data set was obtained.

The target material was somewhat unusual. In this case it was frozen ^{136}Xe . The reason for this seemingly odd choice is that the xenon is a gas at room temperature. A gas would be unsuitable for use in a heavy-ion experiment. The choice of xenon as target was dictated by our preference for a heavy beam – ^{22}Ne – which would impart higher angular momentum to the residual gadolinium nuclei than was possible in earlier experiments, which employed lighter beams. The heavy projectiles would thus populate the residual nuclei at much higher spins. While construction of the cryogenic target was not trivial, a working target became operational and is now in use.

Mr Madiba has busied himself with the data analysis and has made progress with Directional Correlation from Oriented States analysis and in constructing the level scheme. However he has a way to go before submitting the thesis.

In addition to involvement in the above work, in late November 2008 **Dr Roux** did an experiment using the reaction $^{70}\text{Zn}(^4\text{He}, 2n)^{72}\text{Ge}$, also using the *Afrodite* spectrometer, with a view to complementing the ongoing and extensive campaign to search for tetrahedral bands in nuclei. Data analysis was delayed by his move to Grahamstown in January 2009. These data will now form part of the MSc project of his student, **Ms Katharine Henninger**.

Theoretical Nuclear Physics:

There was much activity in 2009 in Theoretical Nuclear Physics. First, there were visits from Profs Bertrand Giraud, of the Theory Division of CEA/Saclay (France) and Werner Richter of the University of the Western Cape. Prof Giraud and Prof Karataglidis collaborated on work in Density Functional Theory, which led to the first formulation of an algebraic density functional, work which is now under review for publication in Physical Review Letters. Prof Richter and Prof Karataglidis continued their collaboration on the structures of exotic nuclei, and using Skyrme-Hartree-Fock wave functions of the ground states of neutron-rich nuclei in the descriptions of elastic proton scattering from those nuclei, data for which are now available.

Work on the Multi-Channel Algebraic Scattering theory continues, with the publication shortly of the descriptions of hypernuclei within that formalism, and also on the shell model descriptions of ^{10}B . That work is now in press. A review of current optical potential theory is also underway.

Two students completed their degrees. **Ms Katharine Henninger** achieved a BSc (Hons) with Distinction for her work with Prof Karataglidis and Richter on scattering from exotic nuclei, work which is under preparation for publication, and **Mr James Barry** completed his MSc thesis on descriptions of neutrinos beyond the Standard Model. That thesis is now under examination. **Mr Barry** has since joined the Neutrino Group of the Max Planck Institute in Heidelberg, Germany, the group he visited in 2009 as part of his research, to pursue his PhD.

Luminescence Research Group:

Professor ML Chithambo served as a member of the International standing committee for the 1st International symposium on Luminescence held at the European Cultural Centre in Delphi, Greece, in September 2009. **Professor ML Chithambo** will serve in this capacity for future conferences. The meetings have been conceived as fora for initiation and

development of integrated and multidisciplinary methods for use in various fields using luminescence techniques.

Ionospheric Research Group:

The Rhodes ionospheric research group in collaboration with the Hermanus Magnetic Observatory (HMO) completed a successful research year in 2009 with a total of four MSc degrees and 1 PhD degree completed during the year. In addition to the graduating students the group totalled 13 published papers in ISI journals, and a number of presentations at international and national conferences.

In March 2009 3 PhD students from the group were selected to attend a Global Positioning System (GPS) training course in Italy which was aimed at preparing young African researchers to operate, maintain and undertake scientific research with GPS receivers. In June 2009 the group chaired the local organizing committee for the International Heliophysical Year (IHY)- Africa workshop, which was held in Livingstone, Zambia, and attended by 120 delegates, of whom 72 were African Space Physicists and their students. **Dr McKinnell** and 2 students (1 PhD and 1 MSc) attended

the 2009 International Association of Geomagnetism and Aeronomy (IAGA) conference held in Sopron, Hungary. All three made presentations at this conference.

The group has also had 1 PhD student on each of the Summer take over teams to the HMO Antarctic field station over the past 2 years. The take over team are responsible for the repairs and maintenance of the HMO Space Weather equipment that is located at the South African Antarctic Base.

During the course of 2009 **Dr McKinnell** received the following 3 awards for her research and contributions to science: the African Union Regional Women Scientist Award for Basic Science Technology and Innovation in the Southern African Region in Addis Ababa on 9 September 2009; a Department of Trade and Industry (DTI) 2009 Technology award in the Advanced High Technology Category for the industry linked project "Ionospheric model: Phase 5"; the 2009 HMO Director's award for outstanding contributions towards the operation of HMO during 2009.

Professor Makaiko Chithambo
Head of Department

Publications Research Journals in Abstract and/or Full Paper

Chithambo,ML

Chithambo,ML and Ogundare,FO. "Luminescence lifetime components in quartz: influence of irradiation and annealing". *Radiation Measurements*. 2009. 44,453-457.

Pagonis,V, Mian,SM, *Chithambo,ML*, Christensen,E and Barnold,C. "Experimental and modelling study of pulsed optically stimulated luminescence in quartz, marble and beta irradiated salt". *Journal of Physics D: Applied Physics*. 2009. 42.

Preusser,F, *Chithambo,ML*, Gotte,T, Martini,M, Ramseyer,K, Sendezera,EJ, Susino,GJ and Wintle,AG. "Quartz as a natural luminescence dosimeter". *Earth-Science Reviews*. 2009. 97,196-226.

Habarulema,JB and McKinnell,LA

Habarulema,JB, McKinnell,LA, Cilliers,PJ and Opperman,B. "Application of neural networks to South African GPS TEC modelling". *Advances in Space Research*. 2009. 43(11),1711-1720.

Habarulema,JB, McKinnell,LA and Opperman,BDL. "Towards a GPS-based TEC prediction model for southern Africa with feed forward networks". *Advances in Space Research*. 2009. 44(1),82-92.

Habarulema,JB, McKinnell,LA and Opperman,BDL. "A recurrent neural network approach to studying solar wind effects on TEC derived from GPS". *Annales Geophysicae*. 2009. 27,2111-2125.

Jonas,JL

Jonas,JL. "MeerKAT - the South African array with composite dishes and wide-band single pixel feeds". *Proceedings of The Ieee*. 2009. 97(8),1522-1530.

Leeuw,LL

Leeuw,LL and Robson,EI. "Submillimeter continuum properties of cold dust in the inner disk and outflows on M 82". *Astronomical Journal*. 2009. 137(1),517-527.

McKinnell,LA

Adewale ,AO, Oyeyemi,EO and McKinnell,LA. "Comparisons of observed ionospheric F2 peak parameters with IRI-2001 predictions over South Africa". *Journal of Atmospheric and Solar-Terrestrial Physics*. 2009. 71(2),273-284.

Tulasi Ram,S, Su,SY, Liu,CH, Reinisch,BW and McKinnell,LA. "Topside ionospheric effective scale heights (*H*_T) derived with ROCSAT-1 and ground-based ionosonde observations at equatorial and midlatitude stations". *Journal of Geophysical Research-Space Physics*. 2009. 114,A10309.

McKinnell,LA, "Progress towards a new global *f*oF2 model for the international reference ionosphere (IRI)". *Advances in Space Research*. 2009. 43,17710-1775.

McKinnell,LA and Cilliers,PJ

McKinnell,LA, Chimidza,O and Cilliers,PJ. "The variability and predictability of the IRI *B*₀, *B*₁ parameters over Grahamstown, South Africa". *Advances in Space Research*. 2009. 44,747-755.

Moeketsi,DM and McKinnell,LA

Moeketsi ,DM, McKinnell,LA and Combrinck,WL. "Validation of University of New Brunswick-Ionospheric Modeling Technique with Ionosonde TEC estimation over South Africa". *Advances in Space Research*. 2009. 44,725-735.

Ngwira,CM and McKinnell,LA

Ngwira,CM, McKinnell,LA, Cilliers,PJ, Viljanen,A and Pirjola,R. "Limitations of the modeling of geomagnetically induced currents in the South African power network". *Space Weather*. 2009. 7,S10002.

Poole,AWV and McKinnell,LA

Davies,CJ, Bell,SA, Stamper,R, Poole,AWV, McKinnell,LA and Wilkinson,P. "A potential lag between the open solar magnetic source flux and solar EUV and X-ray emissions as measured by the Earth's ionosphere during total solar eclipses". *Annales Geophysicae*. 2009. 27,2449-2456.

Sibanda,P and McKinnell,LA

Sibanda,P and McKinnell,LA. "Evaluating the IRI topside model for the South African region: an overview of the modeling techniques". *Advances in Space Research*. 2009. 44,707-714.

Sibanda,P and McKinnell,LA. "The applicability of existing topside ionospheric models to the South African region". *South African Journal of Science*. 2009. 105,387-390.

Uwamahoro,J and McKinnell,LA

Uwamahoro,J, McKinnell,LA and Cilliers,PJ. "Forecasting solar cycle 24 using neural networks". *Journal of Atmospheric and Solar-Terrestrial Physics*. 2009. 71,569-574.

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

Local Conferences

Karataglidis,S and Wright,IA

Karataglidis,S and Wright,IA. "Charge exchange reactions as tests of structure of exotic nuclei". 54th Annual conference of the South African institute of physics. University of KwaZulu-Natal, Westville. South Africa. July 2009.

McKinnell,LA

McKinnell,LA. "Using the IRI to develop an ionospheric map for South Africa". The international reference ionosphere workshop. Kagoshima, Kagoshima. Japan. January 2009.

McKinnell,LA. "A new global F2 peak electron density model for the international reference ionosphere". The South African institute for physics. University of Kwa-Zulu Natal, Durban. South Africa. July 2009.

International Conferences

Chithambo,ML

Chithambo,ML. "Time-resolved luminescence in annealed quartz". 1st International symposium on luminescence in archaeology. European Cultural Centre of Delphi, Delphi. Greece. September 2009.

Chithambo,ML and Feathers,JK. "Towards a single-aliquot regenerative dose procedure suitable for use with pulsed optically stimulated". 1st International symposium on luminescence in archaeology. European Cultural Centre of Delphi, Delphi. Greece. September 2009.

Chithambo,ML and Sendezera,EJ. "Mechanisms of luminescence in annealed synthetic quartz: investigations using time-resolved optical stimulation and positron annihilation spectroscopy". 7th European conference on luminescent detectors and transformers of ionizing radiation. University of Technology AGH, Kraków. Poland. July 2009.

Karataglidis,S

Canton,L, Amos,K, Karataglidis,S and Svenne,JP. "Application of the multi-channel algebraic scattering formalism to the spectroscopy of hypernuclei and to radiative capture". 12th International conference on nuclear reaction mechanics. Villa Monastero, Varenna. Italy. June 2009.

Canton,L, Amos,K, Karataglidis,S and Svenne,JP. "Extending MCAS to hypernuclei and radiative-capture reactions". 2nd International workshop on compound nuclear reactions and related topics. Le Mecure Cite Mondiale, Bordeaux. France. October 2009.

Svenne,JP, Amos,K, Fraser,P, van der Knijff,D, Canton,L, Pisent,G and Karataglidis,S. "Spectroscopy of hypernuclei with a multi-channel algebraic scattering formalism". CAP2009. Moncton, New Brunswick. Canada. June 2009.

Karataglidis,S and Wright,IA

Karataglidis,S and Wright,IA. "Charge exchange reactions as tests of structure of exotic nuclei". 12th International conference on nuclear reaction mechanisms. Villa Monastero, Varenna. Italy. June 2009.

McKinnell,LA

McKinnell,LA. "Validating the new neural network based global foF2 model". The international reference ionosphere task force activity. Boulder, Boulder. United States of America. April 2009.

McKinnell,LA. "Using neural networks to investigate mid-latitude ionospheric processes". The international association of geomagnetism and aeronomy scientific assembly. Sopron, Sopron. Hungary. August 2009.

International Visit

Karataglidis,S

Karataglidis,S. University of Melbourne, Melbourne, Australia. Nuclear physics, continuing the collaboration with Professor Ken Amos of the school of physics. 1 - 28 December 2009.

McKinnell,LA

McKinnell,LA. Goddard space flight center, Washington, United States of America. Scientific research visit. 22 April - 8 May 2009.

McKinnell,LA. Graz University of technology, Graz, Austria. Scientific research visit. 3 - 9 August 2009.

McKinnell,LA. Kyoto University, Kyoto, Japan. Scientific research visit. 26 October - 9 November 2009.

McKinnell,LA. International Reference Ionosphere (IRI) workshop. Invited speaker. Kagoshima, Japan. November 2009.

McKinnell,LA and Nwira,CM

McKinnell,LA and Nwira,CM. CONICET, Sanjuan, Argentina. Scientific research visit. 14 September - 1 October 2009.

McKinnell,LA, Lotz,S and Tshisaphungo,M

McKinnell,LA, Lotz,S and Tshisaphungo,M. Czech academy of science, Prague, Czech Republic. Scientific research visit. 9 - 23 August 2009.

Distinguished Visitors

Bilitza,D

Dr D Bilitza. Goddard space flight center, Washington, United States of America. Scientific research visit to Rhodes and collaboration. Hosted by Dr McKinnell and the Ionospheric Research group. Jun - Jul 2009.

Buresova,D and Kouba,D

Dr D Buresova and Mr Kouba,D. Czech academy of science, Prague, Czech Republic. Scientific research visit to Rhodes and collaboration. Hosted by Dr McKinnell and the Ionospheric Research group. Jun - Jul 2009.

Gende, M

Dr Mauricio Gende, La Plata University, La Plata, Argentina, Scientific research visit under SA-Argentina Bilateral agreement. Hosted by Dr McKinnell and the Ionospheric Research group. Nov 2009.

Giraud,BG

Professor BG Giraud. CEA/Saclay, Gif-sur-Yvette, France. Collaboration with Professor Karataglidis. Mar - Apr 2009.

Mosert,M

Dr M Mosert. CONICET, Sanjuan, Argentina. Scientific research visit to Rhodes and collaboration. Hosted by Dr McKinnell and the Ionospheric Research group. Feb - Mar 2009.

Oyeyemi, E

Dr Elijah Oyeyemi, Physics Department, Lagos University, Lagos, Nigeria, Scientific research visit to Rhodes under "Focus on Africa" collaboration. Hosted by Dr McKinnell and the Ionospheric Research group. Jun - Jul 2009.

Richter,WA

Professor WA Richter. University of the Western Cape, Bellville, South Africa. Collaboration with Professor Karataglidis. Sep - Oct 2009.



2009



Political and International Studies



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Department of Political and International Studies

In addition to fourteen articles in peer reviewed journals, contributions to four books and four conference papers the department produced an exceptional twenty three written pieces in the media.

This, the Annual Teach-In on “Global Capitalism in Crisis” in September; the co-hosting by **Prof Peter Vale** (with Prof Gary Baines of the History department) of a colloquium on “*After the Wall: Twenty Years on. Scholarship and Society in Southern Africa*” in November (each event accompanied by a number of distinguished visitors); **Dr Sally Matthews** taking fifteen students to present papers at the “*South African*

Association of Political Studies Regional Colloquium: Eastern Cape” in September; several teaching visitors also presenting seminars, as well as the visit and public address by the Minister of Foreign Affairs, the Hon. Maite Nkoana-Mashabane in October, greatly added to the department’s high public profile in 2009.

Professor Paul Bischoff
Head of Department

Books/Chapters/Monographs

Hoeane,T

Hoeane,T. "Political parties and party political organisation in democratic consolidation: the South African case". In: Two countries one dream: the challenges of democratic consolidation in Kenya. KMM Review Publishing Company. Johannesburg. First Edition. 2009. 95-132. ISBN: 978-0-620-43120-0.

Hoeane,T. "The state of the Pan-Africanist congress in a democratic South Africa". In: State of the nation: South Africa 2008. HSRC Press. Cape Town. 2009. 58-83. ISBN: 978-0-7969-2285-4.

Pithouse,RM

Pithouse,RM. "Shifting the ground of reason". In: Re-imagining the social in South Africa: critique, theory and post-apartheid society. University of KwaZulu-Natal Press. Pietermaritzburg. First Edition. 2009. 141-176. ISBN: 978-1-86914-179-9.

Pithouse,RM. "Thinking resistance in the shantytown". In: Proud to be flesh: a mute magazine anthology of cultural politics after the net. Mute. London. First Edition. 2009. 404-414. ISBN: 978-1-906496-27-2.

Vale,P

Vale,P. "Re-imagining the social in South Africa: critique and post-apartheid knowledge". Jacklin,H and Vale, P (Eds). University of KwaZulu-Natal Press. Pietermaritzburg. First Edition. 2009. 308 pp.

Vale,P. "Framing and revisiting: debates old and new". In: Re-imagining the social in South Africa: critique and post-apartheid knowledge. University of KwaZulu-Natal Press. Pietermaritzburg. First Edition. 2009. 1-27. ISBN: 978-1-86914-179-9.

Vale ,P. "The humanities and social sciences. 'Orphaning the orphan'". In: The state of science in South Africa. ASSAf. Pretoria. 2009. 211-238. ISBN: 978-0-9814159-4-9.

Publications Research Journals in Abstract and/or Full Paper

Barrett,G

Fourie, P, Isaacs-Martin, W, Genis A and Barrett, G. 2009. Book Review, Ken Booth (2007) Theory of World Security (Cambridge: Cambridge University Press) ISBN 978-0-521-54317-0. Politikon: South African Journal of Political Studies. 36(2):337-344.

Bischoff,PH

Bischoff,PH. "Reform in defence of sovereignty: South Africa in the UN security council, 2007-2008". Afrika Spectrum. 2009. 44(2),95-110.

Fluxman,AP

Fluxman,AP. "Marx, rationalism and the critique of the market". South African Journal of Philosophy. 2009. 28(4),377-413.

Friedman,S

Friedman,S. "An accidental advance? South Africa's 2009 elections". Journal of Democracy. 2009. 20(4), 108-122.

Kapa,M

Kapa,M. "The politics of coalition formation and democracy in Lesotho". Politikon. 2008. 35(3),339-356.

Pithouse,RM

Pithouse,RM. "The struggle for the city in Durban, South Africa". Cicades. 2009. 6(9),241-270.

Pithouse,RM. "To resist divisions and degradations". Interface. 2009. 2, <http://www.interfacejournal.net/>.

Pithouse, RM. "It's about more than just widget making". *South African Journal of Science*. 2009. 105(5-6), 165-166.

Pithouse, RM. "In the forbidden quarters: shacks in Durban till the end of apartheid". *The Commoner*. 2009. <http://www.commoner.org.uk/>.

Pithouse, RM. "A progressive policy without progressive politics: lessons from the failure to implement 'breaking new ground'". *Town and Regional Planning*. 2009. 54, 1-14.

Pithouse, RM. "Mike Davis' 'planet of slums'". *Trilog*. 2009. 98.

Vale, P

Vale, P. "South African international relations: eight doodles". *Politei*. 2009. 27(2), 104-119.

Vale, P. "Neil Aggett. Meaning of his life today". *South African Labour Bulletin*. 2009. 33(5), 48-49.

Vale, P and Barrett, G

Vale, P and Barrett, G. "The curious case of an African moderniser: South Africa's Thabo Mbeki". *Contemporary Politics*. 2009. 15(3), 445-460.

Vincent, L, Edwards, D and Brereton, C

Vincent, L, Edwards, D and Brereton, C. "Changing to stay the same? The re-invention of virginity testing in South Africa". *Jenda: A Journal of Culture and African Women Studies*. 2009. 11, 38-52.

Vincent, LD

Vincent, LD. "Moral panic and the politics of populism". *Representation*. 2009. 45(2), 213-221.

Vincent, LD and Camminga, B

Vincent, LD and Camminga, B. "Putting the 'T' into South African human rights. Transsexuality and the post apartheid order". *Sexualities*. 2009. 12(6), 678-700.

Other Publications

Bischoff, PH

Bischoff, PH. "Foreign policy by balances of power? South Africa as a middle power at the United Nations". In: The academic council of the United Nations systems webpage.

Matthews, SJ

Matthews, SJ. "Review of *A new scramble for Africa?* Roger Southall and Henning Melber (eds)". In: Wordstock. Mann, C (Ed) ISEA. Grahamstown. 2009.

Pithouse, RM

Pithouse, RM, Gibson, N and Harley, A. "Introduction". In: Living Learning. Butler, M (Ed) Church Land Programme. Pietermaritzburg. 2009. 69-90.

Pithouse, RM. "Alien territory that's all too familiar". In: The Star. Williams, M (Ed) Independent Newspapers. Johannesburg. 2009.

Pithouse, RM. "An elite contemptuous of its constituency". In: Saturday Argus. Whitfield, C (Ed) Independent Newspapers. Cape Town. 2009.

Pithouse, RM. "Breaking no new ground". In: The Times. Harding, J (Ed) Times Media Limited. Johannesburg. 2009.

Pithouse, RM. "Burning message to the state in the fire of poor's rebellion". In: Business Day. Bruce, P (Ed) BDFM. Johannesburg. 2009.

Pithouse, RM. "Elections: a dangerous time for poor people's movements in South Africa". In: South African Civil Society Information Service. Farouk, F (Ed) South African Civil Society Information Service. Johannesburg. 2009.

Pithouse, RM. "FIFA will not redeem us from the burdens of history". In: South African Civil Society Information Service. Farouk, F (Ed) South African Civil Society Information Service. Johannesburg. 2009.

Pithouse, RM. "For the poor, a 'comrade' in a BMW is no better than a boss in a BMW". In: Cape Times. August, T (Ed) Independent Newspapers. Cape Times. 2009.

Pithouse, RM. "Hard choices ahead". In: South African Civil Society Information Service. Farouk, F (Ed) South African Civil Society Information Service. Johannesburg. 2009.

Pithouse, RM. "How the rich have hijacked development". In: Cape Argus. Whitefield, C (Ed) Independent Newspapers. Cape Town. 2009.

Pithouse, RM. "It's the state that is flouting the law". In: Cape Argus. Whitefield, C (Ed) Independent Newspapers. Cape Town. 2009.

Pithouse, RM. "No easy path out of the morass". In: South African Civil Society Information Service. Farouk, F (Ed) South African Civil Society Information Service. Johannesburg. 2009.

Pithouse, RM. "Public must mean all of us". In: Daily News. Govender, M (Ed) Independent Newspapers. Durban. 2009.

Pithouse, RM. "Right to stage empty 2010 spectacle bought at expense of our people's needs". In: Cape Times. August, T (Ed) Independent Newspapers. Cape Times. 2009.

Pithouse, RM. "The age of innocence has died". In: The Witness. Naidoo, N (Ed) Media 24. Pietermaritzburg. 2009.

Pithouse, RM. "The crude excesses of power". In: The Witness. Naidoo, N (Ed) The Witness. Pietermaritzburg. 2009.

Pithouse, RM. "The poor won't go quietly". In: The Times. Harding, J (Ed) Times Media Limited. Johannesburg. 2009.

Pithouse, RM. "The right to the city". In: South African Civil Society Information Service. Farouk, F (Ed) South African Civil Society Information Service. Johannesburg. 2009.

Pithouse, RM. "The state's just not that into you". In: The Times. Harding, J (Ed) Times Media Limited. Johannesburg. 2009.

Pithouse, RM. "When not voting is the only way to be heard". In: Cape Times. August, T (Ed) Cape Times. Cape Times. 2009.

Pithouse, RM. "Zuma and the rule of law". In: Daily News. Govender, M (Ed) Independent Newspapers. Durban. 2009.

Vale, P

Vale, P. "The humanities and social sciences. 'Orphaning the orphan'". 2009, 211-238. In: The state of science in South Africa, Diab, R and Gevers, W (Eds) ASSAf. ISBN 978-0-9814159-4-9.

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

Local Conferences

Matthews, SJ

Matthews, SJ. "'I am a white-skinned African and I will not be forced to say otherwise': reflections on the debates about *afrocentricity* at Rhodes University". *South African association of political studies regional colloquium: Eastern Cape*. Summerstrand Inn, Port Elizabeth. South Africa. September 2009.

International Conferences

Bischoff,PH

Bischoff,PH. "Reproducing ambiguity? South Africa as an emerging middle power at the United Nations". *Small and emerging middle powers in the UN system: the academic council of the United Nations systems. 22nd annual conference.* Port of Spain, Port of Spain. Trinidad and Tobago. June 2009.

Matthews,SJ

Matthews,SJ. "Teaching and researching Africa in an engaged way: the possibilities and limitations of community engagement". *International society for African philosophy and studies conference.* Universite de Cheikh Anta Diop, Dakar. Senegal. April 2009.

Pithouse,RM

Pithouse,RM. "Move from, not on, the occult zone". *The transnationality of cities.* European University Viadrina, Frankfurt - Oder. Germany. December 2009.

Vale,P

Helliker,KD and *Vale,P.* "Fanon's curse: re-imagining marxism in South Africa's age of retreat". *XII Annual conference of the international association of critical realism.* Brazil, Rio de Janeiro. Brazil. July 2009.

Vincent,LD

Vincent,LD. "Narratives of return in the politics of Jacob Zuma". *15th Annual conference of the international society for African philosophy and studies.* University of Cheikh Anta Diop, Dakar. Senegal. April 2009.

Distinguished Visitors

Cronin,J

The Hon. Dr J Cronin. Deputy Minister of Transport, Department of Transport, Pretoria, South Africa. Annual teach-in lecture. Sep - Oct 2009.

Farrell,G

Mr G Farrell. South African Reserve Bank, Johannesburg, South Africa. Annual teach-in lecture. Sep - Oct 2009.

Fedderke,J

Professor J Fedderke. Economic research Southern Africa, University of Cape Town, Cape Town, South Africa. Annual teach-in lecture. Sep - Oct 2009.

Good, K.

Professor Ken Good. To teach a course at second year level. April-June 2009.

Handy,PS

Dr PS Handy. Institute for Security Studies, Pretoria, South Africa. To teach a course in the Postgraduate Diploma in International Studies programme. Aug - Sep 2009.

Hlahla,M

Ms M Hlahla. Airports Company of South Africa, Johannesburg, South Africa. Annual teach-in lecture. Sep - Oct 2009.

Kagwanja,P

Dr P Kagwanja. Africa Policy Institute, Pretoria, South Africa. To teach a course in the Postgraduate Diploma in International Studies programme. Sep-Oct 2009.

Nkoana-Mashabane,M.

The Hon. Maite Nkoana-Mashabane, Minister of International Relations and Cooperation, Pretoria, South Africa. Public Address to the students of the department on South Africa's Foreign Policy. October 2009.

Naidoo,S

Mr S Naidoo. Department of Defence, Policy and Planning Division, Directorate Research and Analysis, Pretoria, South Africa. To teach a course in the Postgraduate Diploma in International Studies programme. Aug-Sep 2009.

Wilson,F

Professor F Wilson. Southern African Labour and Development Research Unit, Johannesburg, South Africa. Annual teach-in lecture. Sep-Oct 2009.

Neocosmos, M

Professor Michael Neocosmos. Political Sociologist, Monash University, Johannesburg, South Africa. Seminar on "From Foreign Natives to Native Foreigners: Explaining Xenophobia in South Africa". August 2009.

Tadjbakhsh,S

Dr Shahrbanou Tadjbakhsh, former Policy Advisor to National Human Development (NHDR) at UNDP and the Director of the Programme for Peace and Human Security in Paris. February 2009.

Botha,P

Mr Pik Botha. Former Minister of Foreign Affairs (1977-94). 2009 Colloquium, After the Wall: 20 Years on: Presentation on "Facing Up to Looming Global Disasters".

Shubin,V

Professor Vladimir Shubin. Deputy Director of the Institute for African Studies in the Russian Academy of Science). 2009 Colloquium, After the Wall: 20 Years on: Presentation on: "Moscow and South Africa: Before and after the fall of the Wall".

Daniel,J

Prof John Daniel. IST, Durban. 2009 Colloquium, After the Wall: 20 Years on. Presentation on: "Moscow and South Africa: Before and after the fall of the Wall, gave a talk on Racism, the Cold War and South Africa's Regional Security Strategies 1948-90".

Boel,B

Dr Bent Boel. Aalborg University, Denmark. 2009 Colloquium, After the Wall: 20 Years on. Presentation on: "Cold War Legacies: Memories of Western Anti-Apartheid and pro-Dissident Struggles of the 1970s-1980s".

Saunders,C

Dr Christopher Saunders (UCT). 2009 Colloquium, After the Wall: 20 Years on. Presentation on: "The Fall of Berlin Wall and the Collapse of Apartheid".

van Wyk,AM

Prof Anna-Mart van Wyk (Monash University). 2009 Colloquium, After the Wall: 20 Years on. Presentation on: "From Nuclear Power to Non-Proliferation Hero: Legacies of South Africa's Nuclear Cold War Strategy".

Rosseau,G

Prof Gideon Rosseau (NMU). 2009 Colloquium, After the Wall: 20 Years on. Presentation on: "Walls, Bridges and Fences: The Rights that came in from the Cold, or how South African society is shaped by its justiciable constitution".

Mkwikiza,P

Dr Peter Mkwikiza (University of Botswana). 2009 Colloquium, After the Wall: 20 Years on. Presentation on: "What do we do with Alex la Guma now?"

Myataza,T

Ms Thandisizwe Myataza (Africa Institute) South Africa. 2009 Colloquium, After the Wall: 20 Years on. Presentation on: "Challenges and Prospects of the Southern African Development Community's Security Efforts under the Auspices of the African Union".

Deych,T

Dr Tatiana Deych (IAS, Moscow). 2009 Colloquium, After the Wall: 20 Years on. Presentation on: "China and South Africa in the Post Cold War Era".



2009



Psychology



RHODES UNIVERSITY
Where leaders learn

Department of Psychology

A number of new voices entered our research outputs this year. **Prof Wilbraham, Dr Young and Dr Saville Young**, all of whom joined the department within the last 18 months, wasted no time in putting our department on the map in terms of research publications. In addition, **Mr Bohmke, Prof Ann Edwards, Prof Dave Edwards, Mr Knoetze, Prof Macleod, Mr Steele and Dr van Ommen** published journal articles or chapters or presented at national or international conferences. What is particularly pleasing is the number of students who either published along with their supervisors or presented papers at both national and international conferences.

The research produced by the department is wide ranging and contributes in varied ways to knowledge production in Psychology. This year staff and students published and presented in the following areas:

- The transportability and utility of cognitive therapy in South Africa;
- Termination of pregnancy and the use of the term post-abortion syndrome;
- Alcohol usage amongst students;
- Theory and South African developmental psychology research;
- Treatment of posttraumatic stress disorder;
- Embodiment issues;
- Treatment of attention deficit and learning problems;
- Parents and young people communication about sex in the HIV/AIDS era;
- Sports concussion;
- Surveillance and the intake interview;
- Discourse and psychoanalysis;
- Cohesion-building programmes with basket ball teams;
- Fear of failure in sport players;
- Choosing to parent;
- Lesbians' narratives of sexual identity;
- Masculinities in talk on brothering;

- Representations of intellectual disability in education;
- Treatment of young women with eating disorders and diabetes mellitus;
- Constructions of masculinities in explanations of gender violence;
- Sexuality education;
- Critical neuroscience.

In the spirit of true academic debate, **Macleod** (2009) took **Boulind** and **Edwards** (2008) to task, and was met with a spirited response – **Edwards** (2009).

One of our staff members, **Clifford van Ommen**, completed his PhD this year and was promoted to Senior Lecturer.

Prof Macleod was invited to form part of a panel of experts for the World Health Organisation's Geneva meeting on teenage pregnancy. Together with a past student, Tiffany Tracey, **Prof Macleod** also produced a comprehensive review of recent South African research on teenage pregnancy for the

Department of Health and the World Health Organisation.

We expect three PhD students to graduate in 2010. One of these students was awarded the prestigious UNESCO/Emir Jaber al-Ahmad al-Jaber al-Sabah Prize to Promote Quality Education for Persons with Intellectual Disabilities.

Distinguished guests to the department included Prof Kevin Durrheim of the University of KwaZulu/Natal, Prof Roger Brooke of the University of Duquesne, and Dr Yogan Pillay from the Department of Health. All three facilitated seminars with post-graduate students and delivered public lectures. Dr Pillay's public lecture formed part of the Social Change project initiated by the Psychology Department, in which prominent South African Psychologists are acknowledged for their contribution to social change in South Africa.

Professor Catriona Macleod
Head of Department

Books/Chapters/Monographs

de Klerk, V

Young, C and *de Klerk, V*. "Patterns of alcohol use on a South African university campus: the findings of two annual drinking surveys". *African Journal of Drug and Alcohol Studies*. 2008. 7(2), 101-112.

Edwards, DJA

Edwards, DJA. "The lasting legacy of trauma: understanding obstacles to resolution following traumatic experiences". In: *Memory, narrative and forgiveness: perspectives on the unfinished journeys of the past*. Cambridge Scholars Publishing. Newcastle upon Tyne. First Edition. 2009. 47-73. ISBN: 1-4438-0158-5.

Macleod, C

Macleod, C. "Theory and South African developmental psychology research and literature". In: *Developmental psychology*. UCT Press. Cape Town. Second Edition. 2009. 619-638. ISBN: 978-1-91989-515-4.

van Ommen, C

van Ommen, C. "Body/other: the body as smudge". In: *Varieties of theoretical psychology: international philosophy and practical concerns*. Captus University Publications. Ontario, Canada. First Edition. 2009. 41-48. ISBN: 978-1-55322-206-4.

Wilbraham, LA

Wilbraham, LA. "Parental communication with children about sex in the HIV/AIDS epidemic in South Africa: cultural appropriations of western parenting expertise". In: *HIV treatment and prevention technologies in international perspective*. Palgrave Macmillan. London. First Edition. 2009. 85-106. ISBN: 978-0-230-23819-0.

Publications Research Journals in Abstract and/or Full Paper

Edwards,DJA

Edwards,DJA. "Treating posttraumatic stress disorder in South Africa: an integrative model grounded in case-based research". *Journal of Psychology in Africa*. 2009. 19(2),189-198.

Edwards,DJA. "Post abortion syndrome is a clinical reality: a critical and methodological reflection on the politics, biology and phenomenology of unwanted pregnancy and abortion". *Journal of Psychology in Africa*. 2009. 19(3),429-438.

Knoetze,JJ

Knoetze,JJ and Mestre,B. "Interrogating surveillance: the 50 minute hour". *Surveillance and Society*. 2009. 7(1), <http://www.surveillance-and-society.org/ojs/index.php/journal/article/view/208>

Macleod,C

Macleod,C. "Danger and disease in sex education: the saturation of 'adolescence' with colonialist assumptions". *Journal of Health Management*. 2009. 11(2),375-389.

Macleod,C. "Why we should avoid the term 'post-abortion syndrome': commentary on Boulind and Edwards (2008)". *Journal of Psychology in Africa*. 2009. 19(3),423-428.

Payne,C and Edwards,DJA

Payne,C and Edwards,DJA. "What services and supports are needed to enable trauma survivors to rebuild their lives? Implications of a systematic case study of cognitive therapy with a township adolescent girl with PTSD following rape". *Child Abuse Research in South Africa*. 2009. 10(1),27-40.

Saville Young,L

Saville Young,L and Frosh,S. "Discourse and psychoanalysis: translating concepts into fragmenting methodology". *Pins: Psychology in Society*. 2009. 38,1-16.

Shuttleworth-Edwards,AB

Shuttleworth-Edwards,AB. "Convolutions of the silent sports concussion: a neuropsychologist's response to the dark ages of rule-based return-to-play decisions". *Archives of Neurology*. 2009. 66(3),420-421.

Shuttleworth-Edwards,AB and Whitefield-Alexander,VJ

Shuttleworth-Edwards,AB, Whitefield-Alexander,VJ, Radloff,SE, Taylor,AM and Lovell,MR. "Computerized neuropsychological profiles of South African versus United States athletes: a basis for commentary on cross-cultural norming issues in the sports concussion arena". *Physician and Sportsmedicine*. 2009. 37(4),45-51.

van Ommen,C

van Ommen,C. "Planes of endurance". *Pins: Psychology in Society*. 2009. 38,17-26.

Whitefield-Alexander,V and Edwards,DJA

Whitefield-Alexander,V and Edwards,DJA. "A case of effective single session treatment for attention deficit and learning problems in a routine clinical practice: the value of a transdiagnostic approach to case formulation". *Journal of Child and Adolescent Mental Health*. 2009. 21(1),61-72.

Wilbraham,LA

Wilbraham,LA. "Manufacturing willingness: parents and young people talking about sex in an HIV & AIDS epidemic". *South African Journal of Psychology*. 2009. 39(1),59-74.

Young,C

Young,C. "The CORE-OM intake norms of students attending a South African university counselling service: a comparison with UK counselling service data". *British Journal of Guidance & Counselling*. 2009. 37(4),473-483.

Young,C. "The transportability and utility of cognitive therapy in South African contexts: a review". *Journal of Psychology in Africa*. 2009. 19(3),407-414.

Young,C and de Klerk,V. "Patterns of alcohol use on a South African university campus: the findings of two annual drinking surveys". *African Journal of Drug and Alcohol Studies*. 2008. 7(2),101-112.

Other Publications

Macleod,C and Tracey,T

Macleod,C and Tracey,T. In: Review of research and interventions with respect to pregnancy amongst South African teenagers: towards the development of a policy strategy on teen-aged pregnancy. Macleod,C and Tracey, T (Eds) Department of Health/World Health Organisation. Pretoria. 2009.

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

Local Conferences

Gibson,A and Macleod,C

Gibson,A and Macleod,C. "Beyond the closet: lesbians' narratives of sexual identity". *15th South African psychology congress*. International Convention Centre, Cape Town. South Africa. August 2009.

Klement,A and Steele,G

Klement,A and Steele,G. "Fear of failure of team sport players and individual sport players". *15th South African psychology congress*. International Convention Centre, Cape Town. South Africa. August 2009.

Morison,T and Macleod,C

Morison,T and Macleod,C. "Choosing to parent: 'trouble' in constructions of motherhood and fatherhood". *15th South African psychology congress*. International Convention Centre, Cape Town. South Africa. August 2009.

Razafimbola,S and Steele,G

Razafimbola,S and Steele,G. "The development and evaluation of a cohesion-building programme for a South African male collegiate basket ball team". *15th South African psychology congress*. International Convention Centre, Cape Town. South Africa. August 2009.

Saville Young,L

Saville Young,L. "Bhuti: a psychosocial reading of meaning and masculinities in talk on 'brothering'". *15th South African psychology congress*. International Convention Centre, Cape Town. South Africa. August 2009.

International Conferences

Bohmke,WR

Bohmke,WR. "Culture, violence and manhood - a critical analysis of constructions of masculinities in explanations of gender violence in the South African context". *International society of theoretical psychology conference - East, west, south, north: challenges and transformations in theoretical psychology*. Nanjing Normal University, Nanjing. China. May 2009.

Edwards,DJA

Edwards,DJA. "Fighting the overcontroller: working with schema modes in a young woman with an eating disorder and diabetes mellitus". *37th Conference of the British Association for Behavioural and Cognitive Psychotherapy*. University of Exeter, Exeter. United Kingdom. June 2009.

Macleod,C

Macleod,C. "Danger and disease in sexuality education manuals". International society for critical health psychology conference. University of Lausanne, Lausanne. Switzerland. July 2009.

McKenzie,J and Macleod,C

McKenzie,J and Macleod,C. "Representations of intellectual disability in education". Return to Salamanca: confronting the gap: rhetoric, rights and reality: global conference on inclusive education. Hospederia Fonseca, Salamanca. Spain. September 2009.

van Ommen,C

van Ommen,C. "A critical neuroscience?". International society of theoretical psychology (ISTP) conference - East, west, south, north: challenges and transformations in theoretical psychology. Nanjing University, Nanjing. China. May 2009.

Young,C

Young,C. "The transportability and utility of cognitive therapy in South Africa: a review". British Association of Behavioural and Cognitive Psychotherapies (BABCP) annual conference. University of Exeter, Exeter. United Kingdom. July 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Knoetze,JJ

Meistre,BA and Knoetze,JJ. Exhibiting artist. "Malaise and the Malaise non-test (collaboration with J. Knoetze)". Malaise. Foyer Gallery, Albany History Museum. Grahamstown, South Africa. 18 March - 9 April 2009.

Shuttleworth-Edwards,AB

Shuttleworth-Edwards,AB. Presented. "South African cross-cultural normative data for the WAIS-III, WISC-IV and selected neuropsychological tests". International Convention Centre. Cape Town, South Africa. 11 August 2009.

International Visit

Macleod,C

Macleod,C. World Health, Geneva, Switzerland. Member of the panel of experts for the world health organisation's Geneva meeting on 'adolescent pregnancy within the context of the making pregnancy safer programme'. 10 - 12 March 2009.

*Macleod,C. Open University, University of Bath, University of Leeds, University of Bradford, Milton Keynes, Bath, Leeds, Bradford, United Kingdom. Chapter proposal: 'Understanding maternal mortality and abortion through a radical plural feminist lens' for *Advances in health psychology*. Seminar: Constructing a threat of degeneration: the case of 'teenage pregnancy'. Presented at the critical research in social psychology group, University of Bath. 18 April - 8 May 2009.*

Distinguished Visitors

Brooke,R

Professor R Brooke. Duquesne University, Pittsburgh, United States of America. Workshop with masters students. Public lecture: ubuntu and the individuation process. Mar - Apr 2009.

Durrheim,K

Professor K Durrheim. University of Kwa-Zulu Natal, Pietermaritzburg, South Africa. Workshop with masters students. Public lecture: racial identity and racism in South Africa today. Jul - Aug 2009.

Pillay,Y

Y Pillay. Department of Health, Pretoria, South Africa. Public lecture for the social change project. Sep - Oct 2009.



2009



Rhodes Investec
Business School



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Rhodes Investec Business School

Rhodes Investec Business School has set an ambitious goal of being in the top three research business schools in South Africa as measured by its publication ratio.

In encouraging our graduates to convert their dissertations into publications, it is with effect from the 2010 academic year intake, a requirement that candidates submit their research work to their supervisor at a standard that is suitable for publication. This may be in the form of [1] an academic paper that can be submitted to a recognized journal, or [2] a case study that can be submitted to a case clearing house or could potentially be utilised within the teaching activities of the School, or [3] a research report that is submitted to a client company. This publication will ultimately be viewed as joint publication with the supervisor. For the student to qualify for the MBA degree, the supervisor will have to verify – in the form of a declaration - that a publication of a suitable standard has been submitted to him/her.

The challenges in implementing this are not underestimated, but the business school is reviewing its academic and personal skills programme as well as its research method course to ensure that the students (and staff) are given the necessary support and encouragement to achieve this.

There are currently two PhD students enrolled at RIBS.

We are pleased to report an increase in journal articles being published from the previous year's report.

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

Professor Owen Skae
Director

Publications Research Journals in Abstract and/or Full Paper

Pearse,NJ

Amos,TL and *Pearse,NJ*. "Pragmatic research design: an illustration of the use of the delphi technique". *Formamente*. 2009. <http://formamente.unimarconi.it/>. 2009. 4(1-2),213-230.

Pearse,NJ. "The role of experiences in creating and developing intellectual capital". *Management Research News*. 2009. 32(4), www.emeraldinsight.com.

Pearse,NJ and Kanyangale,M

Pearse,NJ and *Kanyangale,M*. "Researching organisational culture using the grounded theory method". *The Electronic Journal of Business Research Methods*. 2009. 7(1), www.ejbrm.com.

Pearse,NJ and Williams,QW

Pearse,NJ and *Williams,QW*. "Organisational culture and the implementation of performance management: a case study of a South African municipality". *Administratio Publica*. 2009. 17(1),28-42.

Staude,GE

Mason,RB and *Staude,GE*. "An exploration of marketing tactics for turbulent environments". *Industrial Management & Data Systems*. 2009. 109(2),173-190.

Taylor,S and Pearse,NJ

Taylor,S and *Pearse,NJ*. "Creating sustainable organisations through servant leadership". *International Journal of Interdisciplinary Social Sciences*. 2009. 4(4),223-234.

Whittington-Jones,KJ

Zuma,BM, Tandlich,R, *Whittington-Jones,KJ* and Burgess,JE. "Mulch tower treatment system. Part I: Overall performance in greywater treatment". *Desalination*. 2009. 242,38-56.

Tandlich,R, Zuma,BM, *Whittington-Jones,KJ* and Burgess,JE. "Mulch tower treatment system. Part II: Destructive testing and effluent treatment". *Desalination*. 2009. 242,57-69.

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

Local Conferences

Kanyangale,M and Pearse,NJ

Kanyangale,M and *Pearse,NJ*. "Focusing of the cultural lens in the bottom of the pyramid market: a case study of Malawian agro-processing enterprises". *International Base of Pyramid Conference*. University of Pretoria, Gordon Institute of Business Science, Pretoria. South Africa. November 2009.

International Conferences

Pearse,NJ

Pearse,NJ. "Towards a social capital theory of resistance to change". *IBC 3rd International Business Conference*. Zanzibar, Mazizini, Zanzibar Beach Resort. Zanzibar. September 2009. 498-508.

Pearse,NJ and Kanyangale,M

Pearse,NJ and *Kanyangale,M*. "Researching organisational culture using the grounded theory method: recognising some of the currents and eddies on the research voyage". *8th European Conference of Research Methodology for Business and Management Studies*. University of Malta, Valetta. Malta. June 2009. 253-259.

Pearse,NJ and Taylor,S

Pearse,NJ and Taylor,S. "Creating sustainable organisations through servant leadership". 4th International Conference on Interdisciplinary Social Sciences. Athens, Athens. Greece. July 2009.

Distinguished Visitors

Andersen,RC

Mr RC Andersen. Sanlam and Murray & Roberts, South Africa. Business forum, 31 April 2009: leadership today. Apr - May 2009.

Baillie,D

Mr D Baillie. Unilever, Europe. Business forum, 21 May 2009: doing well by doing good. May - Jun 2009.

Blewett,S

Mr S Blewett. Altech Autopage Cellular, Johannesburg, South Africa. Business forum, 26 August 2009: the 3D view-living the successful life story. Aug - Sep 2009.

Engelbrencht,L

Ms L Engelbrencht. Institute of directors, Johannesburg, South Africa. Business breakfast, 5 September: world café conversation: on the subject of servant leadership. Sep - Oct 2009.

Khoza,RJ

Dr RJ Khoza. Non-executive chairman, Nedbank; chairman, Aka Capital (Pty) Ltd, Johannesburg, South Africa. Business forum, 4 September 2009: leadership in an African context. Sep - Oct 2009.

King,ME

Professor ME King. Committee of the South African council of the international chamber of commerce, Johannesburg, South Africa. Business forum, 5 September 2009: leadership in an African context. Sep - Oct 2009.

Nothnagel,F

Mr F Nothnagel. Coca Cola-Sabcos, Johannesburg, South Africa. Business forum, 27 January 2009: how you increase your sales by over two billion and at the same time up your return on sales from R138 million to R583 million in just three years. Jan - Feb 2009.

Sunter,C

Mr C Sunter. Anglo American chairman's fund, Johannesburg, South Africa. Clem Sunter business breakfast, 4 September 2009: the world and South Africa in the 2010's: the latest scenarios. Sep - Oct 2009.

Susman,S

Mr S Susman. Woolworths, Cape Town, South Africa. Business forum, 11 February 2009: Woolworth's business and environmental sustainability strategies. Feb - Mar 2009.

van der Walt-Korsten,M

Ms M van der Walt-Korsten. T-Systems, Johannesburg, South Africa. Business forum, 16 February: business with a soul. Feb - Mar 2009.



2009



Maths Education Programme (RUMEP)



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Rhodes University Maths Education Programme (RUMEP)

Staff remained active with respect to professional development of teachers of mathematics in the Eastern Cape. Teachers are supported in their schools as well as through the accredited Advanced Certificate in Education (ACE) and Degree of Bachelor of Education (B.Ed) courses offered at RUMEP. Results of benchmark and baseline tests administered to learners and teachers showed the great need for these intervention programmes.

Thirty-eight ACE teachers presented the results of their classroom research at a conference arranged by RUMEP held at St Peters in September 2009. A few officials from the local and one provincial Department of Education attended the two day conference.

Tom /Zonia/Rose presented mathematics workshops for teachers in the Keiskammahoek district during the course of the year as part of the Stutterheim Education Trust.

As part of AMESA Grahamstown, RUMEP was asked to teach and assist Grade 12 learners from township schools in Grahamstown on Saturdays, held in St Peter's building.

Tom Penlington teaches on this programme.

Visitors to RUMEP

There were a number of visitors of note.

- Paul Patin, the Director of Public Affairs Section of the US Consulate General and Ron Hendrickse, the Cultural Affairs Specialist of the US Consulate General. They accompanied Dr Charles McGruder (Western Kentucky University), guest-speaker at the 2009 SciFest. We had meeting on 27 March, to discuss the RUMEP Programme. They also visited one of the RUMEP Farm School projects.

- Zenex Foundation: Both Ms Gail Campbell (CEO Zenex Foundation) and Ms Janet Marx, Programme Coordinator visited RUMEP on 7 April 2009. Zenex funded a new cohort of teachers for the B.Ed programme (2009 –2012).
- Mr Themba Siyolo, businessman from Johannesburg interested in the development of Maths Education - 11 March 2009.
- Mr Max July from Stutterheim, guest speaker at the RUMEP MathsNet Champions Launch.
- Mr Andy de la Mare, ABSA Foundation – Funding.

Staff Professional Engagement

Staff engaged in several educational seminars, training and forums:

- Investigating ways of working with mathematics school department and holistic teacher development- Professor Anne Watson (UK).
- Developing a research trajectory: Drawing from my own experience- Prof Jill Adler, Wits University, Johannesburg.
- HIV/AIDS workshops.
- IT/Computer training workshops.

Dr Rose Spanneberg

Director, RUMEP

Books/Chapters/Monographs

Spanneberg,R

Spanneberg,R. "The mathematics teaching portfolio: a reflective tool for developing professional growth and improving classroom practices". In: Tasks in primary mathematics teacher education. Springer. First Edition. 2009. 51-70. ISBN: 978-0-387-09668-1.

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

Local Conferences

Jooste,Z

Jooste,Z. "Igniting education: meeting the challenges together". Learners and teachers' problems with the concept of zero. Enlighten Education Trust. Hermanus, Hermanus. Cape Town. October 2009.

Jooste,Z. "Learner' and teachers' problems with the concept of zero". Reflective review 2009: igniting education - meeting the challenges together. Enlighten Education Trust, Hermanus. South Africa. October 2009.

Jooste,Z. "Investigating teachers' knowledge and teaching of the concept of zero". Kenton conference 2009: education as performance. Protea Hotel, Techno Park, Stellenbosch. South Africa. October 2009. 46.

Penlington,TH

Penlington,TH. "Exploring learners mathematical understanding through an analysis of their solution strategies". Southern African association for research in mathematics, science and technology education. Rhodes University, Grahamstown. South Africa. January 2009. 250.

Spanneberg,R

Spanneberg,R. "Exploring collaborative initiatives: a model for mathematics teacher education and professional development". Equilibrium international 3rd annual education conference in South Africa "the education system in transition". Birchwood Executive Hotel and Conference Centre, Johannesburg. South Africa. June 2009.

Spanneberg,R. "Integrating mathematics teacher professional development and curriculum reform". AMESA provincial conference. Rhodes University, Grahamstown. South Africa. October 2009.

Spanneberg, R. "Reflective practice and collegiality: deep rural teachers' response to innovations in a professional development mathematics programme". *Kenton conference 2009: education as pPerformance*. Protea Hotel, Techno Park, Stellenbosch. South Africa. November 2009. 71.

Tokwe, T

Tokwe, T and Schafer, M. "Investigating code switching of English second language (ESL) teachers in the teaching of mathematics". *Southern African association for research in mathematics, science and technology education*. Rhodes University, Grahamstown. South Africa. January 2009. 307-309.

Concerts, Exhibitions, Performances, Workshops, Events

Jooste, Z

Jooste, Z. Workshop. "Visualisation, spatial reasoning and geometric modelling". AMESA provincial conference. Rhodes University. Grahamstown, South Africa. 17 October 2009.

Jooste, Z, Tokwe, T and Mkhwane, F

Jooste, Z, Tokwe, T and Mkhwane, F. Workshop. "Investigating total surface area and volume of prisms". AMESA day conference. Iqhayiya Technical College. Port Elizabeth, South Africa. 22 May 2009.

Jooste, Z, Tokwe, T and Mkhwane, F. Workshop. "Intermediate and senior phase". AMESA regional conference. Iqhayiya technical college. Port Elizabeth, South Africa. 22 May 2009.

Penlington, TH

Penlington, TH. Workshop. "Games to stimulate mathematical discussion". AMESA provincial conference. Rhodes University. Grahamstown, South Africa. 17 October 2009.

Tokwe, T

Tokwe, T. Workshop. "Properties of geometric solids". AMESA provincial conference. Rhodes University. Grahamstown, South Africa. 17 October 2009.

Distinguished Visitors

McGruder, C

Dr C McGruder. Department of Physics and Astronomy, Western Kentucky University, Unknown, United States of America. Information seeking about the RUMEP work. Mar - Apr 2009.



2009



School of Languages



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School of Languages

Incorporating: African Language Studies, Afrikaans & Netherlandic Studies, Chinese Studies, Classical Studies, French Studies, German Studies.

Distinguished visitors

A number of esteemed visitors contributed to the School's academic programmes in 2009 and visited the School in various capacities. SANTED Project/African Language Studies was honoured to be visited by the new Director of SANTED, Ahmed Essop. Drs Jokweni and Sukumane from the Department of Arts and Culture also paid a visit to the School of Languages as part of discussions regarding the 7.5 million rand in bursary funding received from the DAC. The African Language Studies section was paid a visit by Professor Batibo from the University of Botswana. He gave a public address on issues pertaining to the use of African languages at tertiary institutions. Professor Jeff Opland (SOAS) visited the School of Languages (African Language Studies) whilst at the same time he was an

honoured guest at ILAM's 55th birthday celebrations. We were visited by Professor Jerry Mojalefa, Head of African Languages at the University of Pretoria. He paid a courtesy visit to the SANTED team. Marietta Alberts from the PanSALB also visited the School and ran a course on lexicography and terminology development for the African Language Studies Honours students.

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. Professor Martin also visited the section. Professors David Wardle and Chuck Chandler (HOD, School of Languages) from the University of Cape Town (frequent visitors to this university over the last 15 years)

spent a week in May giving lectures on ancient history to Classical Civilisation 1 and 2 students.

Dr Dyfri Williams, the keeper of antiquities at the British Museum paid a visit to the Classical Studies Section and gave a public address.

The Chinese Ambassador also visited the University and the Confucius Institute at Rhodes University. This was indeed a great honour for the School and the University.

Seminars & Conferences

A number of seminars were presented in the School of Languages as part of the Humanities Seminar programme during the course of 2009. These included:

- an insightful seminar by **Dr Hans Esther** on "Literature and Ethics."
- **Professor Jeff Opland** gave a talk on the work of SEK Mqhayi and the notion of history as literature.
- **Warren Snowball** presented a seminar on "Egypt and the Classical World".
- **Russell Kaschula** presented a seminar on literature and technology.
- **Eben Venter** presented a seminar on "The broken man character in David Malouf's The Conversations at Curlew Creek and Eben Venter's Trencherman".
- Dr Dyfri Williams also presented a seminar on "Cultural Property and the Classical World"
- **Professor John Atkinson** presented a seminar on "The death of Alexander: malaria and mindgames".

Russell Kaschula was a keynote speaker at an international conference in Leiden, Netherlands.

Staff in the School were very active in attending conferences in 2009 and the SANTED team attended a number of workshops related to multilingualism. The African Language Studies section also hosted the annual Southern African Folklore Conference. **Professor Kaschula** and **Mrs Nosilela** are in the process of editing 2 editions of the SAFOS journal which contain

selected articles from the conference, including 3 articles presented by Rhodes academics. The German Studies section (Undine Weber and Rebecca Domingo) hosted the 24th biennial conference of the Association of German Studies in Southern Africa.

Publications

Members of the School produced a record-breaking number of subsidy-earning journal articles in 2009. **Drs Mewpu** and **Mukenge** (French Studies) also published conference papers in peer-reviewed international conference proceedings whilst **Professor Kaschula** gave a keynote address which will appear in conference proceedings from the University of Leiden.

Dr Meintjes published a chapter in an internationally published book entitled "The changing face of African literature". **Undine Weber** and **Rebecca Domingo** published articles in the Acta Academica as well as the Acta Germanica Journals. The SANTED collective published an article in Spil Plus dealing with the implementation of multi-lingualism at Rhodes as well as a number of other publications.

Awards and Financial Support

Financial support has been received in the School from the following donors/funders /awards during the course of the year. These awards are gratefully acknowledged:

- South Africa-Norway-Tertiary-Education Development Programme (R4 000 000.00 until the end of 2010)
- Foundation for Human Rights (R100, 000.00) Department of Arts and Culture (R7 500 000.00 until the end of 2011)
- HANBAN (People's Republic of China) (R860 000.00)
- Faculty of Humanities, Rhodes University
- Rhodes University Joint Research Council
- National Research Foundation
- Dutch Language Union

- DAAD (German Academic Exchange Service) (R18 000.00)
- The Pan South African Language Board (PanSALB) awarded Rhodes a “Multi-lingualism and Nation Building Award” for work done by SANTED in the promotion of use of other languages in the University.
- One of the highlights for the school was receiving an award of 7.5 million rand for bursaries at Honours and MA level. Students who receive these bursaries will be involved in linguistic and applied language studies research and learning.

Graduate supervision and examining

The School now boasts a record number of postgraduate students, including 5 PhD, 25 MA students and 50 Honours students. Professor Russell Kaschula examined 2 MA theses from the University of Stellenbosch and a PhD thesis from UCT. Undine Weber was external examiner for German at NMMU. Dr Godfrey Meintjes was external examiner for an MA in creative writing in the Graduate School of Humanities at UCT.

Degrees in progress (staff): The following staff members are busy with their MA degrees:

Msindisi Sam and **Daniel Malamis**. Both have submitted these for examination. The following staff members are busy with their PhD degrees: **Undine Weber**; **Pamela Maseko**; **Bulelwa Nosilela**; **Anton Vorster** and **Arthur Mukenge** (examined and passed but not yet awarded).

Conclusion

Student numbers grew substantially in the reporting period. In many courses numbers doubled whilst they tripled in others. New and innovative programmes are being developed and offered in the School of Languages.

SANTED/African Languages staff offered vocation-specific language courses in the Faculties of Pharmacy, Law and Education and they now formally make up part of the curricula in those faculties/departments. The SANTED Project team also taught isiXhosa communication skills courses to staff at the University. This team also continued to develop an English-IsiXhosa glossary for Computer Science to support the teaching of Computer Science to isiXhosa mother-tongue students.

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 at Rhodes. **Anton Vorster** and **Tim Huisamen** taught, by invitation, a Dutch literature course at NMMU, while he and **Mr Tim Huisamen** have also been invited to assist NMMU with the teaching of Dutch literature in 2009. 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 2009, as well as the Woordfees and a Dutch seminar in Stellenbosch.

2009 has been a year of continued growth for the School of Languages at Rhodes University. This is attributable 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. It is the aim of the School to reposition itself under my leadership as a leading School of Languages.

Professor Russell Kaschula

Head of School

Head of African Languages

Books/Chapters/Monographs

Meintjies, WG

Meintjies, WG. "Scheherazade's dilemma: an exploration of Andre Brink's prose oeuvre published after 2000". In: *The changing face of African literature*. RODOPI. Amsterdam/New York. First Edition. 2009. 104, 119-134. ISBN: 978-90-420-2580-6.

Publications Research Journals in Abstract and/or Full Paper

Dalvit, L

Terzoli, A, Murray, S and *Dalvit, L.* "Localising Gramsci's views of folklore in an African context". *Southern African Journal for Folklore Studies*. 2009. 19(1), 109-122.

Domingo, RSC

Domingo, RSC. "Death in Italy. Siegfried and Aschenbach in Wolfgang Koeppen and Thomas Mann". *Acta Germanica*. 2009. 37, 151-158.

Kaschula, RH

Kaschula, RH. "Translating cultural voids: conversing cultures". *Litnet Akademies*. 2009. www.litnet.co.za

Kaschula, RH. "Orality and innovation: isiXhosa cellular phone speak". *Southern African Journal for Folklore Studies*. 2009. 19(1), 32-48.

Kaschula, RH. "The influence of cellular phone 'speak' on isiXhosa rules of communication". *Spil: Stellenbosch Papers in Linguistics Plus*. 2009. 37, 69-88.

Kaschula, RH and Maseko, P

Kaschula, RH and Maseko, P. "Vocational language learning and teaching at a South African university: Preparing professionals for multilingual contexts". *Stellenbosch Papers in Linguistics PLUS*. 2009. No. 38, 130-142.

Kaschula, RH, Maseko, P, Dalvit, L, Sam, M, Mapi, T, Nosilela, B and Nelani, L

Kaschula, RH, Maseko, P, Dalvit, L, Sam, M, Mapi, T, Nosilela, B and Nelani, L. "An intercultural approach to implementing multilingualism at Rhodes University, South Africa". *Spil: Stellenbosch Papers in Linguistics Plus*. 2009. 39, 45-61.

Mostert, A and Kaschula, RH

Mostert, A and Kaschula, RH. "Analyzing, digitizing and technologizing the oral word: the case of Bongani Sithole". *Journal of African Cultural Studies*. 2009. 21(2), 159-175.

Mpewu, PK

Mpewu, PK. "Deux hommes, deux voies. Une lecture des *Filles du président* et de *L'enfant de sable*". *Ecritures plurielles*. 2009. 3, 38-52.

Nxasana, T

Nxasana, T. "'There are ways': language as resistance against double oppression in Sindiwe Magona's *Living, loving and lying awake at night*". *Southern African Journal for Folklore Studies*. 2009. 19(1).

Weber, US and Williams, AE

Weber, US and Williams, AE. "The 'golden fifties' and the 'tide of immorality': relations between African-American GIs in West Germany of the 1950s and white women as provided by Wolfgang Koeppen's *Tauben im Gras*". *Acta Academica*. 2009. 41(1), 99-125.

Other Publications

Weber,US

Weber,US. "'Karl Pawek revisited' - review of Die Kulturzeitschrift Magnum: Photographische Befunde der Moderne by Margarethe Szeless". Boettcher, S (Ed) h-net Humanities and Social Sciences Online. United States of America. 2009.

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

Local Conferences

Kaschula,RH

Kaschula,RH. "Orality and innovation: isiXhosa cell phone 'speak'". South African folklore society conference. Rhodes University, Grahamstown. South Africa. September 2009.

Maseko,P and Kaschula,RH

Maseko,P and Kaschula,RH. "Vocational language learning and teaching at a South African University: preparing professionals for multilingual contexts". International German-Africa network conference. University of Stellenbosch, Stellenbosch. South Africa. April 2009.

Maseko,P and Kaschula,RH. "Facilitating transformation in South African higher education institutions through multilingualism: Rhodes University as a case study". International conference on language policy, planning and support in higher education: challenges of implementation. Spier Estate, Stellenbosch. South Africa. November 2009.

Maseko,P and Nosilela,B

Maseko,P and Nosilela,B. "They use my medicine together with their muthi: awareness and sensitivity regarding common healing practices and amaXhosa as taught to pharmacy students at Rhodes". South African folklore society conference. Rhodes University, Grahamstown. South Africa. September 2009.

Masola,A

Masola,A. "Defiance, invasion of space and the quest for identity in the nations bounty: the Xhosa poetry of Nontsizi Mqgqwetho". South African folklore society conference. Rhodes University, Grahamstown. South Africa. September 2009.

Masola,A. "Defiance, invasion of space and quest for identity in Nontsizi Mqgqwetho's poetry". Eskia Mphahlele postgraduate colloquium. Wits University, Johannesburg. South Africa. September 2009.

Mpewu,PK

Mpewu,PK. "Teaching french in the new South Africa from another perspective". Africa in the world: discourse studies in foreign languages and literature teaching. Centre for Humanities Research, University of the Western Cape, Bellville. South Africa. September 2009.

Nxasana,T

Nxasana,T. "There are ways: language and resistance against double oppression in Sindiwe Magona's living, loving & lying awake at night and Alice Walker's color purple". Orality and innovation. Rhodes University, Grahamstown. South Africa. September 2009.

Sam,M and Dalvit,L

Sam,M and Dalvit,L. "Rural students' attitudes towards the use of isiXhosa in the ICT domain: an initial study". South African folklore society conference. Rhodes University, Grahamstown. South Africa. September 2009.

Sam,M and Dalvit,L. "Teaching and assessment of a bilingual computer literacy course in rural high schools: an initial study". Kenton conference. Stellenbosch University, Stellenbosch. South Africa. November 2009.

Sam,M, Dalvit,L and Kaschula,RH

Sam,M, Dalvit,L and Kaschula,RH. "Accessibility of technology through the use of African languages". First SEK Mqhayi language conference. Regent Hotel, East London. South Africa. November 2009.

International Conferences

Domingo,RSC

Domingo,RSC. "Death in Italy. Siegfried and Aschenbach in Wolfgang Koeppen and Thomas Mann". 24th biennial conference of the association of german studies in southern Africa: zum begriff der fremde in sprache und literatur. Rhodes University, Grahamstown. South Africa. April 2009. 151-158.

Kaschula,RH

Kaschula,RH. "Digitizing and technologising the oral word: the case of Bongani Sitole". Language, literature and society: proceedings of the first international conference of the department of african languages and literature. University of Botswana, Gabarone. Botswana. June 2009. 159-182.

Kaschula,RH. "Technauriture: multimedia research and documentation of African oral performance". Multimedia research and documentation of oral genres in Africa - the step forward. University of Leiden, Leiden. Netherlands. December 2009.

Maseko,P, Nosilela,B, Sam,M, Mapi,T and Dalvit,L

Maseko,P, Nosilela,B, Sam,M, Mapi,T and Dalvit,L. "The role of the web in the promotion of African languages". 10th International conference on implications of computers in developing countries. Dubai. United Nations Emirates. May 2009.

Masola,A

Masola,A. Cultural diplomacy in Africa: a forum for young leaders. Berlin. Germany. August 2009.

Mukenge,AN

Mukenge,AN. "La littérature de la migration: une écriture des traces et une trace d'écriture?". Les littératures africaines: écriture nomade et inscription de la trace. University of Djanet, Djanet. Algeria. April 2009.

Mwepu,PK

Mwepu,PK. "La métaphore du voyage. Nomadisme ou rejet de soi? Une relecture de l'oeuvre de Lopes". Les littératures africaines: écriture nomade et inscription de la trace. University of Djanet, Djanet. Algeria. April 2009.

Sam,M, Dalvit,L and Maseko,P

Sam,M, Dalvit,L and Maseko,P. "ICT terminology development for the intellectualisation of African languages". 10th International conference on implications of computers in developing countries. Dubai. United Arab Emirates. May 2009.

Weber,US and Surridge,TM

Weber,US and Surridge,TM. "Wessen Heimat? Integration/re-integration deutscher soldaten in ost- und westdeutschland nach der kriegsgefangenschaft in der Sowjetunion". 24th biennial conference of the association of German studies in southern Africa: zum begriff der fremde in sprache und literatur. Rhodes University, Grahamstown. South Africa. April 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Dalvit,L, Maseko,P and Sam,M

Dalvit,L, Maseko,P and Sam,M. Paper presentation. "Experiences in developing a computer science terminology through a 'translatethon'". Terminology development in African languages. Rhodes University. Grahamstown, South Africa. 11 - 13 May 2009.

Jackson,JL

Jackson,JL. talk. *"Boudica's revolt against the Romans"*. Military history society of South Africa meeting. Rhodes University. Grahamstown, South Africa. 8 October 2009.

Maseko,P

Maseko,P. Organiser and facilitator. *"Terminology development in isiXhosa at Rhodes"*. Terminology development in African languages. Rhodes University. Grahamstown, South Africa. 11 - 13 May 2009.

Maseko,P. Attended. Training trainers of conference interpreters. University of Pretoria. Pretoria, South Africa. 26 - 30 October 2009.

Maseko,P. Attended. Academy of African languages: Department of Art and Culture cross border language workshop. The Lakes. Johannesburg, South Africa. 2 - 5 November 2009.

Maseko,P and Nosilela,B

Maseko,P and Nosilela,B. Paper presentation. *"Processes and strategies for developing the second language at Rhodes"*. Language acquisition. University of KwaZulu Natal. Durban, South Africa. 17 - 19 September 2009.

Nosilela,B

Nosilela,B. Organiser & facilitator. *"Terminology development"*. Terminology and lexicography workshop. Rhodes University. Grahamstown, South Africa. 31 August - 3 September 2009.

Nosilela,B, Maseko,P and Sam,M

Nosilela,B, Maseko,P and Sam,M. Attended. 11th National language forum. Manhattan Hotel. Pretoria, South Africa. 6 - 7 August 2009.

Sam,M, Dalvit,L and Maseko,P

Sam,M, Dalvit,L and Maseko,P. Paper presentation. *"Experiences in developing ICT Terminology"*. Terminology development in African Languages. Rhodes University. Grahamstown, South Africa. 11 - 13 May 2009.

Distinguished Visitors

Batibo,H

Professor H Batibo. University of Botswana, Gaborone, Botswana. Lecture and workshop. May - Jun 2009.

Ester,H

Dr Hans Ester. Radbaud University, Nijmegen, the Netherlands. To conduct seminars. Nov - Dec 2009.

Martin,W

Professor W Martin. Vrije Universiteit Amsterdam, The Netherlands. Goodwill visit. Sep - Oct 2009.

Venter,E

Mr Eben Venter. Internationally renowned author, Sydney, Australia. To conduct a seminar and to present a faculty lecture. May - Apr 2009.



2009



Sociology



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Department of Sociology

The Sociology Department went through a number of staff changes during the course of the year. **Dr Monty Roodt**, who had been head of the Department for five years, stepped down and was replaced as Head by **Dr Kirk Helliker** in July. **Dr Darlene Miller**, who has spent a considerable portion of her time over the past few years with the Human Sciences Research Council in Cape Town, resigned from the Department. Simultaneously, **Dr Ashwin Desai** was appointed as an Associate Professor in the Department and is to take up his appointment in early 2010. **Professor Jan Coetzee** is also now Emeritus Professor in Sociology.

The Department continues to run a very strong and vibrant post-graduate programme, with approximately fifty Honours, Masters and PhD students in 2009.

It is expected that two of our PhD students and six of our Masters students will graduate in 2010. Included amongst our post-graduate students are candidates from Zimbabwe, Nigeria, Uganda and DRC, who have been attracted to our department because of the particular expertise amongst academic staff.

Of particular significance has been post-graduate research around

social policy in South Africa and land reform in Zimbabwe.

The Department continues to draw large numbers of students to its undergraduate programme, including nearly five hundred students in first year.

Overall, about ten per cent of all undergraduate students at Rhodes University are enrolled in either first year, second year or third year sociology (in both our General Sociology and Industrial & Economic Sociology programmes).

Staff members had a very busy year attending conferences, both national

and international. **Professor Jimi Adesina** was particularly active, attending four international conferences: in Mozambique, Argentina, Republic of Korea and Norway. Many of the conference papers presented by academic staff

have subsequently been published in either academic books or journals.

Dr Kirk Helliger

Head of Department

Books/Chapters/Monographs

Adesina,JO

Adesina,JO. "Rethinking African regional integration: bringing development back in". In: La integración regional y el desarrollo en África. Casa Africa. Las Palmas. First Edition. 2009. 101-120. ISBN: 978-84-8319-476-8.

Adesina,JO. "Trade unions in Nigeria since 1945". In: Trade unionism since 1945: towards a global history. Volume 1: Western Europe, Eastern Europe, Africa and the Middle East. Peter Lang. Oxford, Berlin, New York. First Edition. 2009. 363-385. ISBN: 978-3-03911-410-8.

Coetzee,JKC

Coetzee,JKC. "Resisting oppression: stories of the 1980s' mass insurrection by political activists in the Eastern Cape Province, South Africa". In: Memories of mass repression: narrating life stories in the aftermath of atrocity. Transaction Publishers. New Brunswick. 2009. 99-118. ISBN: 978-1-4128-0853-8.

Helliker,KD

Helliker,KD. "Land reform and NGOs in contemporary Zimbabwe: 'managing' global-local tensions". Helliker, KD. VDM Verlag. Saarbrücken Germany. First Edition. 2009. 313 pp.

Klerck,GG

Klerck,GG. "Regulation and flexibility: industrial restructuring and labour market segmentation in Namibia, 1990 - 2000". Klerck, GG. VDM Publishing. Berlin. First Edition. 2009. 426 pp. ISBN 978-3-639-13379-0.

Klerck,GG. "Industrial relations and human resource management". In: Human resource management: a critical approach. Routledge. London. First Edition. 2009. 237-259. ISBN: 9780415462471.

Publications Research Journals in Abstract and/or Full Paper

Adesina,JO

Adesina,JO. "Social policy in sub-saharan Africa: a glance in the rear-view mirror". *International Journal of Social Welfare*. 2009. 18(S),37-51.

Coetzee,JK

Coetzee,JK and Rau,A. "Narrating trauma and suffering. Towards understanding intersubjectively constituted memory". *Forum Qualitative Social Research*. 2009. 10(2), <http://nbn-resolving.de/urn:nbn:de:0114-fqs0902144>.

Coetzee,JK and Chisaka,JK

Coetzee,JK and Chisaka,JK. "Biographical disruption, HIV/AIDS and chronic poverty". *Acta Academica*. 2009. 41(2),109-131.

Klerck,GG

Klerck,GG. "Rise of the temporary employment industry in Namibia: a regulatory 'fix'". *Journal of Contemporary African Studies*. 2009. 27(1),85-103.

Klerck,GG. "Theory in industrial relations: a regulationist approach". *South African Journal of Labour Relations*. 2009. 33(2),7-28.

Makonese,L

Makonese,L and Mazzeo,J. "Experiences of collaboration, coordination and efficiency in the delivery of HIV/AIDS home-based care in Zimbabwe". African Journal of Aids Research. 2009. 8(4),443-453.

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

Local Conferences

Chisaka,JK

Chisaka ,JK. "User-friendly guidelines for emergency disinfection of drinking water". 2nd Drinking water quality conference. Port Elizabeth feather market centre, Port Elizabeth. South Africa. May 2009.

Chisaka ,JK. "Teaching sociology in a complex world: a critical reflection on using assessment for learning". SEWSA conference. Rhodes University, Grahamstown. South Africa. July 2009.

Roodt,JJ and Stuurman,S

Roodt,JJ and Stuurman,S. "Participation, local governance and attitudes of youth: a Grahamstown case study". Annual congress: South African sociological association. University of Witwatersrand, Johannesburg. South Africa. July 2009.

Sishuta,HB

Sishuta,HB. "Not yet Uhuru: long road to agricultural development in the former homelands". South African sociological congress. University of Witwatersrand, Johannesburg. South Africa. June 2009.

International Conferences

Adesina,JO

Adesina,JO. "Poverty reduction and social policy in Africa". World social science forum 2009. Grieg Hall, Bergen. Norway. January 2009.

Adesina,JO. "Anti-poverty strategies in South Africa: the reach and limits of cash transfer schemes". Global and national poverty reduction policy conference. National University, Seoul. Republic of Korea. September 2009.

Adesina,JO. "Social policy in sub-saharan Africa: changing dynamics, reorienting theory". CLACSO research workshop/XXVII ALAS congress. University of Buenos Aires, Buenos Aires. Argentina. September 2009.

Adesina,JO. "Doing African sociology: lessons in endogeneity and gender scholarship". How to do human and social sciences in Africa colloquium (in honour of Aquino de Bragança). Eduardo Mondlane University, Maputo. Mozambique. September 2009.

Coetzee,JK

Coetzee,JK. "Methodological notes on the process of narrating the past". Conference of the European sociological association. Lisbon. Portugal. September 2009.

Drewett,M

Drewett,M. "The road from crisis to catharsis in the songs of Roger Lucey". Joint popular culture association and american culture association annual conference. New Orleans. Unites States of America. April 2009.

Helliker,KD

Helliker,KD. "Transformation: states, social movements and nature". Latin America-Africa people's dialogue conference on relations between the state and social movements. Harare. Zimbabwe. June 2009.

Helliker,KD and Vale,P. "Fanon's curse: re-imagining marxism in South Africa's age of retreat". XII Annual conference of the international association of critical realism. Rio de Janeiro. Brazil. July 2009.



2009



Statistics



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Department of Statistics

Members of the department were involved in joint research with the departments of Management, Pharmacy, Psychology and Zoology & Entomology. This collaborative research resulted in 8 publications in international journals and one further publication in pure mathematics was produced in 2009.

Several papers were presented at local and international conferences in 2009. **Mr Jeremy Baxter** co-authored a paper that was presented at the 13th biennial Eastern Academy of Management (EAM) International Conference, Rio de Janeiro, Brazil. **Prof Sarah Radloff** co-presented a paper at the 16th Entomological Congress of Southern Africa, University of Stellenbosch. Together with **Ms Lizanne Raubenheimer** she attended the 57th Session of the International Statistical Institute (ISI) in Durban. **Prof Gunther Jäger** presented a paper and co-presented another one with his masters student David Orpen at the 52nd Annual Congress of the South African Mathematical Society in Midrand.

Mr Baxter gave a seminar on Statistics for postgraduate ICT students at the Annual Eastern Cape ICT research rumble, Gavin Relly Post-Graduate Village, Rhodes

University, and, together with **Prof Jäger**, gave a talk about his research at the seminar of the Department of Biochemistry, Microbiology & Biotechnology.

The department hosted Dr P. Debba from the Council for Scientific and Industrial Research (CSIR) as distinguished visitors in July 2009. Dr Debba gave two seminars on classification of hyperspectral data.

Professor Gunther Jäger
Head of Department

Publications Research Journals in Abstract and/or Full Paper

Jäger,G

Craig,A and Jäger,G. "A common framework for lattice-valued uniform spaces and probabilistic uniform spaces". *Fuzzy Sets and Systems*. 2009. 160,1177-1203.

Jamal,M

Snowball,JD, Jamal,M and Willis,KG. "Cultural consumption patterns in South Africa: an investigation of the theory of cultural omnivores". *Social Indicators Research*. 2009. Online First (September), 1-17.

Radloff,SE

Duangphakdee,O, Radloff,SE, Pirk,CWW and Hepburn,HR. "Sun angle time windows for absconding by the dwarf honeybee, *Apis florea*". *Journal of Insect Physiology*. 2009. 55,1009-1012.

Haddad,N, Fuchs,S, Hepburn,HR and Radloff,SE. "*Apis florea* in Jordan: source of the founder population". *Apidologie*. 2009. 40(4),508-512.

Hepburn,HR, Radloff,SE, Duangphakdee,O and Phiancharoen,M. "Interspecific utilisation of wax in comb building by honeybees". *Naturwissenschaften*. 2009. 96,719-723.

Magadza,C, Radloff,SE and Srinivas,SC. "The effect of an educational intervention on patients' knowledge about hypertension, beliefs about medicines, and adherence". *Research in Social & Administrative Pharmacy*. 2009. 5(4),363-375.

Shuttleworth-Edwards,AB, Whitefield-Alexander,VJ, Radloff,SE, Taylor,AM and Lovell,MR. "Computerized neuropsychological profiles of South African versus United States athletes: a basis for commentary on cross-cultural norming issues in the sports concussion arena". *Physician and Sportsmedicine*. 2009. 37(4),45-51.

Srinivas,SC, Wrench,W, Karekezi,CW, Radloff,SE and Daya,S. "Obesity: a preliminary report of an introductory service-learning course on the role of pharmacy students in health promotion". *Health SA Gesondheid*. 2009. 14(1),Art. 454.

Tan,K, Yang,M, Radloff,SE, Pirk,CWW, Crewe,RM, Phiancharoen,M, Hepburn,HR and Oldroyd,BP. "Worker reproduction in mixed-species colonies of honey bees". *Behavioral Ecology*. 2009. 20,1106-1110.

Tan,K, Yang,M, Radloff,SE, Yu,Y, Pirk,CWW and Hepburn,HR. "Intra- and interspecific brood recognition in pure and mixed-species honeybee colonies, *Apis cerana* and *A. mellifera*". *Apidologie*. 2009. 40,184-191.

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

Local Conferences

Jäger,G

Jäger,G. "Lattice-valued categories of lattice-valued convergence spaces". *52nd Annual congress of the South African mathematical society*. Eskom Convention Centre, Midrand. South Africa. November 2009.

Orpen,D and Jäger,G. "Characterization of stratified L-topological spaces by convergence of stratified L-filters". *52nd Annual congress of the South African mathematical society*. Eskom Convention Centre, Midrand. South Africa. November 2009.

Radloff,SE

Hepburn,C, *Radloff,SE*, Villet,M and Hill,M. "False positives in an agricultural context?". *16th Entomological congress of southern Africa*. University of Stellenbosch, Stellenbosch. South Africa. July 2009. 31.

International Conferences

Baxter,JS

Louw,MJ, Van Stuyvesant-meijen,J and *Baxter,JS*. "The relationship between organizational culture, commitment and biographical variables at a selected municipality in South Africa". *Eastern academy of management (EAM) international conference on managing in a global context economy XIII: management challenges for a new world*. Rio Othon Palace Hotel, Rio de Janeiro. Brazil. June 2009. 185-216.

Jamal,M

Snowball,JD, *Jamal,M* and Willis,KG. "Cultural consumption patterns in South Africa: an investigation of the theory of cultural omnivores". *9th Conference of the international society of quality of life studies*. Instituto Degli Innocenti, Florence. Italy. July 2009.

Radloff,SE and Raubenheimer,L

Radloff,SE and *Raubenheimer,L*. *57th Session of the international statistical institute*. International Conference Centre, Durban. South Africa. August 2009.

Radloff,SE and *Raubenheimer,L*. *IASE Satellite conference to the 57th ISI*. Sica's Conference Centre, Durban. South Africa. August 2009.

Distinguished Visitors

Debba,P

Dr P Debba. Council for scientific and industrial research, Pretoria, South Africa. Presenting 2 seminars on classification of multispectral radar data. Jul - Aug 2009.



2009



Zoology & Entomology



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Department of Zoology and Entomology

Despite considerable undergraduate teaching commitments, 2009 was yet another exceedingly productive research year for the department with all staff, postdoctoral fellows, research associates and students contributing to the research output. In addition to 60 full-length papers appearing in peer-reviewed journals, the academic staff contributed 12 book chapters that appeared in international research texts. These chapters were on a diversity of topics ranging from reviews of some bird families to marine ecology, forensic entomology, and the biological control of invasive plants. This invitation by the global scientific community to contribute to scholarly works is testimony to the high regard in which staff of the department are held.

All staff, postdoctoral researchers and many students travelled widely to attend and present their research findings at numerous major international conferences in South Africa, Sweden, Canada, Reunion Island, Malaysia, France, USA, Zimbabwe, U.K., Poland and Belgium. At the European conference on forensic entomology, **Professor Martin Villet** was one of the invited plenary speakers. The department was also well represented at local conferences, especially the 16th Congress of the Entomological Society of Southern Africa in Stellenbosch, and the 50th

Anniversary Conference of the Zoological Society of Southern Africa in Durban. At the latter meeting **Professors Christopher McQuaid** and **Alan Hodgson** were amongst the few who were invited to give plenary talks.

The main fields of research within the department continue to be marine biology, entomology, vertebrate biology and wildlife management. During 2009 the postgraduate schools of **Professor McQuaid** (marine biology) and **Professor Martin Hill** (weed biocontrol) saw particular expansion.

Many of the academic staff travelled internationally to continue, or develop, new research collaborations. **Professor Hodgson** visited the University of Newcastle in England and University of Halle in Germany, **Professor Adrian Craig** the University of Rennes (France), and **Professor McQuaid** the University of St Andrews (Scotland) where he is currently on sabbatical leave. **Professor Hill** not only visited Ghana, but he and **Dr Julie Coetzee** were in Mozambique and Ireland as part of their research on eradicating invasive aquatic water weeds. To further their work on cicada evolution, **Professor Villet** and his Ph.D. student **Ben Price** travelled in June and July to museums in London, Paris, Terveuren, Brussels, Berlin, Stockholm and Uppsala to examine cicada collections. In doing so they discovered 21 previously unrecognized species, and in addition gained insight into how the changing climate of Africa has affected these indicator insects.

In July-August, PhD student **Helen James** and previous honours student, **Ms Lyndall Ferreira da Conceicao**, spent three weeks in a molecular genetics laboratory with Dr Michael T. Monaghan, at the Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin, to study mayfly molecular systematics.

In July, **Dr Ferdy de Moor** spent two week in the Royal Belgian Institute of Natural Sciences, Brussels, Belgium to study caddisflies. In March/April, **Professor McQuaid**, **Dr Nicole Richoux**, post-doctoral researchers and students undertook important food web research in the Southern Ocean both on board the SA Agulhas, and while island-based at Marion Island. During the second half of 2009 **Professor William Froneman** spent part of his sabbatical leave in Australia where he was able to further his research on southern ocean and estuarine ecology respectively. In recognition of his contribution to research, he was awarded the 2009 Vice-Chancellor's Senior Research Award.

International research links also brought researchers to the department. During the year we hosted visits from Professor Matt Bentley (University of Newcastle), Professors Kathy Hill and David Marshall (University of Connecticut), Professor Travis Perry (Furman University), Professor Steve Compton (Leeds University), Professors Ricardo Sahade and Marcos Tatian (Universidad de Córdoba) and Professor Peter Neumann (Swiss Bee Research Institute).

Professor Alan Hodgson
Head of Department

Books/Chapters/Monographs

Coetzee,JA and Hill,MP

Coetzee,JA and Hill,MP. "Management of invasive aquatic plants". In: Invasive species management. A handbook of principles and techniques. Oxford University Press. London. First Edition. 2009. 141-152. ISBN: 9780199216338.

Coetzee,JA and Hill,MP

Coetzee,JA, Hill,MP, Julien,MH, Center,TD and Cordo,HA. "Eichhornia crassipes (Mart.) Solms-Laub. (Pontederiaceae)". In: Biological control of tropical weeds using arthropods. Cambridge University Press. Cambridge. First Edition. 2009. 183-210. ISBN: 9780521877916.

Craig,A

Craig,A. "Family Buphagidae (oxpeckers)". In: Handbook of the birds in the world. Lynx Edicions. Barcelona. First Edition. 2009. 14, 642-653. ISBN: 9788496553507.

Craig,A and Feare,C. "Family Sturnidae (starlings)". In: Handbook of the birds of the world. Lynx Edicions. Barcelona. First Edition. 2009. 14, 654-758. ISBN: 9788496553507.

Froneman,PW

Froneman,PW. "Impact of reduced freshwater inflow on the plankton of southern African estuaries". In: Plankton: A guide to their ecology and monitoring for water quality. CSIRO. Australia. First Edition. 2009. 65-72. ISBN: 9780643090583.

Hill,MP

Hill,MP and McConnachie,AJ. "*Azolla filiculoides* Lamarck (Azollaceae)". In: Biological control of tropical weeds using arthropods. Cambridge University Press. Cambridge. First Edition. 2009. 74-87. ISBN: 9780521877916.

Julien,MH, Hill,MP and Tipping,PW. "*Salvinia molesta* D.S. Mitchell (Salviniaceae)". In: Biological control of tropical weeds using arthropods. Cambridge University Press. Cambridge. First Edition. 2009. 378-407. ISBN: 9780521877916.

Neuenschwander,P, Julien,MH, Center,TD and Hill,MP. "*Pistia stratiotes* L. (Araceae)". In: Biological control of tropical weeds using arthropods. Cambridge University Press. Cambridge. First Edition. 2009. 332-352. ISBN: 9780521877916.

Hodgson,AN

Hodgson,AN. "Reproduction and sex in invertebrates". In: Reproduction and development biology. Eolss Publishers. United Kingdom. First Edition. 2009. ISBN: None.

McQuaid,CD

Marshall,DJ, Styan,C and McQuaid,CD. "Larval supply and dispersal". In: Marine hard bottom communities: patterns, dynamics, diversity, and change. Springer-Verlag. Berlin. First Edition. 2009. 165-176. ISBN: 9783540927037.

McQuaid,CD and Arenas,F. "Biological invasions: insights from marine benthic communities". In: Marine hard bottom communities: patterns, dynamics, diversity, and change. Springer-Verlag. Germany. First Edition. 2009. 309-320. ISBN: 9783540927037.

Publications Research Journals in Abstract and/or Full Paper

Barber-James,HM

Barber-James,HM. "A preliminary phylogeny of Prosopistomatidae (Ephemeroptera) based on morphological characters of the larvae, and an assessment of their distribution". *Aquatic Insects*. 2009. 31(1),149-166.

Gattolliat,JL, Barber-James,HM and Monaghan,MT. "New species and generic delimitation of the Afrotropical genera *Bugilliesia* Lugo-Ortiz & McCafferty, 1996, *Cheleocloeon* Wuillot & Gillies, 1993 and *Delouardus* Lugo-Ortiz & McCafferty, 1999 (Ephemeroptera: Baetidae)". *Aquatic Insects*. 2009. 31(3), 167-186.

Bernard,KS and Froneman,PW

Bernard,KS and Froneman,PW. "The sub-Antarctic euthecosome pteropod, *Limacina retroversa*: distribution patterns and trophic role". *Deep-Sea Research Part I*. 2009. 56,582-598.

Bonnevie,B

Kohler,S, Bonnevie,B and Dano,S. "Can eyeflecks be used to sex African black oystercatchers *Haematopus moquini* in the field?". *Ostrich*. 2009. 80(2),109-110.

Kohler,S, Bonnevie,B, McQuaid,CD and Jaquemet,S. "Foraging ecology of an endemic shorebird, the African Black Oystercatcher (*Haematopus moquini*) on the south-east coast of South Africa". *Estuarine Coastal and Shelf Science*. 2009. 84,361-366.

Wilson,JW, Symes,CT, Brown,M, Bonnevie,B, de Swardt,DH and Hanmer,D. "A re-evaluation of morphological differences in the Karoo Thrush *Turdus smithi* - Olive Thrush *Turdus olivaceus* species complex". *Ostrich*. 2009. 80(3),171-175.

Bowles,SJ and McQuaid,CD

Bowles,SJ and McQuaid,CD. "Mechanisms of habitat segregation between an invasive and an indigenous mussel: settlement, post-settlement mortality and recruitment". *Marine Biology*. 2009. 156,991-1006.

Coetzee,JA and Hill,MP

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*Voogt,NM, Coetzee,JA and Hill,MP. "Is the peruvian strain of *Eccritotarsus catarinensis* (Hemiptera: Miridae), a biological control agent of water hyacinth (*Eichhornia crassipes*, more physiologically suited to the South African climate than the Brazilian strain?". 16th Entomological congress of southern Africa. University of Stellenbosch, Stellenbosch. South Africa. July 2009.*

Williams,KA and Villet,MHM

*Williams,KA and Villet,MHM. "The systematics of two closely related blowflies: *Lucilia sericata* and *Lucilia cuprina*". Tenth anniversary conference of the Southern African society for systematic biology. Illovo Beach, Illovo. South Africa. July 2009.*

International Conferences

Allan,EL, Ambrose,ST, Richoux,NB and Froneman,PW

Allan,EL, Ambrose,ST, Richoux,NB and Froneman,PW. "Determining spatial changes in energy flow in the near shore environment along the eastern South African coastline using stable isotope signatures and fatty acid profiles". 6th Western Indian ocean marine science association scientific symposium. Le Université de la Réunion , Saint Denis. Réunion Island. August 2009.

Coetzee,JA

Coetzee,JA. "Better the devil you know than the devil you don't: submerged weed invasions in South Africa". 10th International conference on the ecology and management of alien plant invasions. Spier Estate, Stellenbosch. South Africa. August 2009.

Coetzee,JA and Hill,MP

Byrne,MJ, Coetzee,JA and Hill,MP. "Management of water hyacinth in South Africa: options for biocontrol and IPM". 10th International conference on the ecology and management of alien plant invasions. Spier Estate, Stellenbosch. South Africa. August 2009.

Cole,V

Cole,VJ and McQuaid,CD. Influences of upwelling on the structure of mussel beds and associated taxa. 8th International temperate reef symposium. Adelaide, Australia.

Connan,M

Connan,M, Mayzaud,P, Duhamel,G and Cherel,Y. "Fatty acid and fatty alcohol analyses document the diet of myctophids from the southern ocean". Xth Scientific committee on Antarctic research - international biology symposium. Hokkaido University, Hokkaido. Japan. July 2009.

Craig,A

Craig,A. "The significance of the Royal museum for central Africa collections". 6th International meeting of european bird curators. Royal Museum for Central Africa, Tervuren. Belgium. August 2009.

Craig,A and Nuttall,R. "Current status of ornithological collections in southern African museums". 6th International meeting of european bird curators. Royal Museum for Central Africa, Tervuren. Belgium. August 2009.

Craig,A and Mostert,E

*Craig,A and Mostert,E. "Not singing for their supper: vocal mimicry in Fiscal shrikes *Lanius collaris*". 31st International ethological congress. Faculté Droit et Science Politique, Rennes. France. August 2009.*

De Moor,FC

McIlleron,G and de Moor,FC. Some techniques for recording flight activity and wing-beat frequency in Trichoptera (Insecta). Programme & Abstracts 13th International Symposium on Trichoptera University of Lodz, Bialowieza, Poland 22-27 June 2009.

de Moor,FC. The distribution of Trichoptera in the tributary streams of the Doring and mainstream Olifants Rivers, Cederberg, South Africa with implications for conservation. In: Programme & Abstracts 13th International Symposium on Trichoptera University of Lodz, Bialowieza, Poland 22-27 June 2009.

De Moor,FC and Barber-James,HM

de Moor,FC and Barber-James,HM. The distribution of Trichoptera and Ephemeroptera in the tributary rivers of the Doring and mainstream Olifants Rivers, South West Cape, South Africa and implications for conservation planning. In: Programme & Abstracts 13th International Symposium on Trichoptera University of Lodz, Bialowieza, Poland 22-27 June 2009. Previously presented at XXIII International Congress of Entomology. 6-12 July 2008.

Froneman,PW

George,CD, Ansorge,IJ, Froneman,PW and Whittle,C. "Structure of the STC and its influence on the biogeographical transition between sub-Antarctic and subtropical regimes". Joint assembly of the oceanographic, atmospheric and cryospheric science (MOCA-09) assembly. Palais des Congres, Montreal. Canada. July 2009.

Goble,TA and Hill,MP

Goble,TA, Dames,J and Hill,MP. "The occurrence of entomopathogenic fungi from South African citrus soils". 42nd Meeting of the society for invertebrate pathology. The Canyons Resort, Park City, Utah. United States of America. August 2009.

Hepburn,C and Hill,M

Hepburn,C, Moore,S and Hill,M. "Cryptophlebia leucotreta Granulovirus (Cryptogran) for control of lepidopteran nutborers of Macadamias". 4th International macadamia symposium. Berg-en-Dal, Kruger National Park. South Africa. September 2009.

Heyns,E and Froneman,PW

Heyns,E and Froneman,PW. "Spatial and temporal patterns in the hyperbenthos in a southern African estuary". International conference on marine ecosystems. Universiti Kebangsaan Malaysia, Selangor. Malaysia. July 2009.

Hill,J

Huggett,JA, Hill,J, Kaehler,S, Morris,T, Ockhuis,S and Miggel,A. "Biomass, composition and vertical distribution of zooplankton associated with mesoscale eddies in the Mozambique Channel". 6th western indian ocean marine science association conference. Université de la Réunion, Saint Denis. Réunion Island. January 2009.

Levrero,F and Craig,A

Levrero,F, Hausberger,M and Craig,A. "A murmuration of starlings: reduced vocal diversity in more populous groups?". 31st International ethological congress. Faculté Droit et Science Politique , Rennes. France. August 2009.

Marshall,DJ

Marshall DJ, McQuaid CD. Thermal stress of rocky-shore organisms: the complexity of habitat temperature variability and physiological diversity confounds generalizations. 8th International temperate reef symposium. Adelaide, Australia.

Martin,GD and Coetzee,JA

Martin,GD and Coetzee,JA. "Distribution modelling as a tool for predicting the distribution of potentially invasive submerged aquatic weeds in South Africa". 10th International conference on the ecology and management of alien plant invasions. Spier Estate, Stellenbosch. South Africa. August 2009.

McQuaid,CD

*Teske,PR, Piggott-Smith,M, Rius,M, Styan,C, McLusky,C, Ramdhani,S, Barker,NP, McQuaid,CD and Beheregaray,L. "Cryptic species associated with marine biogeographic provinces within Australian and South African lineages of the low-dispersal ascidian *Pyura stolonifera*". Australian marines sciences association conference. Adelaide Convention Centre, Adelaide. Australia. July 2009.*

McQuaid,CD, Zardi,GI, Nicastro,KR, Roberts,MJ and Hancke,L. Selection and dispersal, twin drivers for genetic structure in intertidal mussels. 8th International temperate reef symposium, Adelaide, Australia.

McQuaid,CD. Science on the high wire: balancing science and politics in South African marine biology. Invited key note talk. Zoological society of southern Africa. Durban, South Africa.

*Kohler S, Mablouké C, Hill J, Connan M, Bonnevie B, Huisamen J, Underhill LG, McQuaid CD, Jaquemet S (2009) Geographic trends of stable isotope ratios in African Black Oystercatchers (*Haematopus moquini*) and their prey around the coast of South Africa. WIOMSA Conf. Reunion.*

*Matumba,TG, McQuaid,CD, Barker,NP and Kelly,CMR. Phylogeography of the *Afrolittorina* species (Gastropoda: Littorinidae) from southern Africa. South African society of systematic biology symposium. Durban, South Africa.*

Erlandsson J, McQuaid CD, Porri F, von der Meden,CEO and Pal,P. Threats and recovery from exploitation and invasion: spatial heterogeneity and recruitment of the indigenous brown mussel on the South African coast. 44th European marine biological symposium. Liverpool, Great Britain.

Paterson,ID and Hill,MP

*Paterson,ID and Hill,MP. "The impact of *Pereskia aculeata* Miller (Cactaceae) on native biodiversity and measuring the success of biological control". 10th International conference on the ecology and management of alien plant invasions. University of Stellenbosch, Stellenbosch. South Africa. July 2009.*

Paterson,ID, Downie,DA and Hill,MP

*Paterson,ID, Downie,DA and Hill,MP. "Using molecular methods to determine the origin of weed populations of *Pereskia aculeata* in South Africa and its relevance to biological control". Evolution 2009. University of Idaho, Moscow, Idaho. United States of America. June 2009. 1.*

Richards,CS, Villet,MH and Price,BW

Richards,CS, Villet,MH and Price,BW. "Estimating the temperatures experienced by blowflies (Diptera: Calliphoridae) during larval development". 7th Meeting of the european association for forensic entomology. University of Uppsala, Uppsala. Sweden. July 2009. 12.

Richoux,NB and McQuaid,CD

Richoux,NB, Jaquemet,S, Cherel,Y and McQuaid,CD. "Trophic ecology of grey-headed albatrosses from Marion Island, Southern ocean: insights from stomach contents and trophic tracers". The American society of limnology and oceanography aquatic sciences meeting. Acropolis Building, Nice. France. January 2009.

Schapira,M

Paterson,J, Schapira,M, Mitchell,JG and Seuront,L. "Microscale sampling in the ocean". Marine connectivity - Australian marine science association international conference. Marine Science Association International Conference, Adelaide. Australia. July 2009.

Villet,MH, Richards,CS and Midgley,JM

Villet,MH, Richards,CS and Midgley,JM. "Precision, bias and accuracy in development-based estimates of PMI". 7th Meeting of the european association for forensic entomology. Uppsala University, Uppsala. Sweden. July 2009.

Concerts/Exhibitions/Performances/Workshops/Events

Craig,AJ

Craig,AJ. Presenter. To fly like a bird. Albany Museum. Grahamstown, South Africa. 14 - 17 September 2009.

Downie,DA

Downie,DA. Consultant. "Report on biodiversity management plan for Encephalartos latifrons". Workshop on the biodiversity management plan for the Albany cycad (Encephalartos latifrons). Rhodes University. Grahamstown, South Africa. April 2009.

Pinchuck,SC and Hodgson,AN

Pinchuck,SC and Hodgson,AN. Visitors to view exhibitions of microscopes. "LabAfrica". LabAfrica. Coca Cola Dome. Johannesburg, South Africa. 3 - 5 June 2009.

International Visit

Hodgson,AN

Hodgson,AN. University of Halle, Halle, Germany. Research. 16 - 23 May 2009.

Villet,MH

Villet,MH. Royal museum of natural history, Stockholm, Sweden. Research. 8 July 2009.

Villet,MH. Uppsala University zoological museum, Uppsala, Sweden. Research. 11 July 2009.

Villet,MH and Price,BW

Villet,MH and Price,BW. Natural History Museum, London, United Kingdom. Research. 25 - 28 June 2009.

Villet,MH and Price,BW. Museum national d'Histoire naturelle, Paris, France. Research. 28 - 29 June 2009.

Villet,MH and Price,BW. The Africa museum, Terveuren, Belgium. Research. 2 - 3 July 2009.

Villet,MH and Price,BW. Humboldt University museum, Berlin, Germany. Research. 3 - 5 July 2009.

Distinguished Visitors

Bentley,MG

MG Bentley. University of Newcastle, Newcastle, United Kingdom. Lectures, research collaboration. May - Jun 2009.

Compton,S

S Compton. University of Leeds, Leeds, United Kingdom. Lecture. Aug - Sep 2009.

Hill,KBR

Ms KBR Hill. University of Connecticut, Storrs, United States of America. Research collaboration.
Dec - Jan 2009.

Marshall,DC

Dr DC Marshall. University of Connecticut, Storrs, United States of America. Research collaboration.
Dec 2009.

Neumann,P

P Neumann. Swiss Bee research centre agroscope, Bern, Switzerland. Research collaboration, lecture.
Nov - Dec 2009.



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