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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.

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
‘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 résumé 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
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
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
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 echoes 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 authorative, 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.

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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
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 remolds 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 specialized. 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 (J STA)
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 Hps40s 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 J ude 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
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 Sneeuberg, 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
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 Malvem van Wyk Smith  
Department of English

Professor Martin Villet  
Department of Zoology & Entomology (Entomology)

Professor Rod Walker  
Department of Pharmacy

Dr Swantje Zscherneck  
Department of Human Kinetics & Ergonomics
Publications from the Vice-Chancellorate

Publications Research Journals

departmental index
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 textbook 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

Associate Professor John Williams
Head of Department

Books/Chapters/Monographs

Bunting, MB

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

Local Conferences

Bezuidenhout, LP

Bunting, MB

Pretorius, J

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

Seedat, I and Stack, EM
Stack, EM

International Conferences

Bezuidenhout, LP


Hefer, J

Distinguished Visitors

Lester, M
Department of Anthropology

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 Keiskamma 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.

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

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 reflective 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.


**Professor Robin Palmer**

Head of Department

Rhodes University | Research Report 2009
Books/Chapters/Monographs

De Wet, CJ


Publication Research Journals in Abstract and/or Full Paper

De Wet, CJ

Hartnack, AMC


Other Publications

De Wet, CJ

Owen, J N

Palmer, R
Paye, 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

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, MJ R
Boswell, MJ R. Student and staff. “Humanities academic publishing project”. Humanities academic publishing project workshop. Rhodes University, Grahamstown, South Africa. 15 - 19 June 2009.

International Visit

Boswell, MJ R
Boswell, MJ R. 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.
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 FASMB 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 J ude 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-J STA-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


Burgess, J E


Dames, J F

Edkins, A L

Frith, K A and Limson, J L

Gentz, P M, Blatch, G L and Dorrington, R A

Govender, Y, Riddin, T and Whiteley, C G

Govender, Y, Riddin, T L and Whiteley, C G

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

Jiwaji, M, Hartley, C J, Clark, S A, Burton, S G and Dorrington, R A
Lavan, LM, Van Dyk, JS and Pletschke, BI

Lawson, JC, Blatch, GL and Edkins, AL

Longshaw, VM and Blatch, GL

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

Mack, C, Duncan, JR, and Burgess, J E

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

Murray, L and Knox, C

Mutanda, T, Wilhelm, B and Whiteley, C G

Nambiar, S, Togo, C A and Limson, J L

Nemukula, A, Mutanda, T, Wilhelm, B S and Whiteley, C G

Nicoll, W S and Blatch, G L

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Pesce,E-R and Blatch,GL

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

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. 45,367-373.

Togo,C and Limson,JL

Togo,CA and Pletschke,BI
Wutor,VC, Togo,CA and Pletschke,BI. “Suitability of total coliform ß-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

Whiteley,C

Whiteley,CG


Other Publications

Dames,JF
Local Conferences

Basson, W, Brand, J M and Wilhelmi, B S

Burger, A, Whiteley, C and Boshoff, A

Dames, J F


Dorrington, R A, Vlok, M and Tomasicchio, M

Edkins, A L and Blatch, G L

Goble, J L, Stephens, L L and Blatch, G L

Jauka, T and Knox, C

Kenyon, A, Blatch, G L and Edkins, A
Lawson, J.C., Edkins, A.L. and Blatch, G.L.

Padayachee, E. and Whiteley, C.G.

Pletschke, B.I.

Togo, C.

Whiteley, C.G.

Wilhelmi, B.S., Bulani, S.I., Kgopa, A.H. and Brand, J.M.

International Conferences

Beukes, N. and Pletschke, B.I.

Beukes, N.B. and Pletschke, B.I.

Blatch, G.L., Botha, M., Nicoll, W.S., Bodill, T.L. and Pesce, E.R.

Bodill, T., Goble, J. and Blatch, G.L.
Botha, M and Blatch, GL

Dames, J


Dames, J.F and Adeleke, R.A

Dorrington, R.A., Vlok, M. and Tomasicchio, M

Fogel, R and Limson, J.L

Louw, C.A and Blatch, G.L

Ludewig, M.L and Blatch, G.L

Mohlake, P. and Whiteley, C.G

Padayachee, E and Whiteley, C.G

Prinsloo, E, Setati, M.M, Longshaw, V.M and Blatch, G.L
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


Stephens,LL and Blatch,GL

Van Dyk,JS and Pletschke,BI

Wilhelmi,BS and Morrison,R

Wilhelmi,BS and Naicker,K

**Patents (Final and Provisional)**

Dames,JF and Mukasa-Mugerwa,TT

Dorrington,RA and Vlok,M

**Concerts/Exhibitions/Performances/Workshops/Events**

Blatch,GL

Dames,JF


Rhodes University | Research Report 2009


**International Visit**

Blatch, G.L.

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

Blatch, G.L. 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, G.L. University of Kyoto, Kyoto, Japan. Research visit to initiate NRF-J STA Grant with collaborator Professor Kaz Nagata. 10 - 13 October 2009.

Pletschke, B.I.

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 fulfillment 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 fulfillment 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 fulfillment 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 J SPS/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 J SPS/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.
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

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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 worldwide 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 Imthi 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, Inkubeko 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, J B & Hesp, PA).

Professor Nigel Barker
Head of Department
Books/Chapters/Monographs

McKenzie,RJ and Barker,NP

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 Danthoniodeae (Poaceae)”. Systematic Biology. 2009. 58(6),612-628.


Barker,NP and Howis,S

Clark,VR and Barker,NP

Clark,VR, Devos,N and Barker,NP

Coombs,G and Peter,C1


Gilbert,ME and Ripley,BS
Howis, S and Barker, NP

Kaehler, S

Kelly, C.M.R. and Barker, N.P.

Maroyi, A

McKenzie, R.J

Papadopoulos, I. and Barker, N.P.

Peter, C.I.


Peter, C.I, Coombs, G., Huchzermeyer, C.F., Venter, N., Winkler, A.C., Hutton, D., Papier, L.A and Dold, A.P.

Ramdhani, S. and Barker, N.P.
Ripley, BS


Saheed, SA and Botha, CEJ

Vetter, S

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

**Local Conferences**

Barker, N

Barker, NP and Kelly, CMR

Barker, NP and McKenzie, RJ

Botha, CEJ

Clark, VR and Barker, NP

Dold, AP


Keevey, GP and Barker, N

Kelly, CMR and Barker, N

International Conferences

Keevey, GP and Barker, N

Ripley, B
Concerts/Exhibitions/Performances/Workshops/Events

Dold, AP


Dold, AP and Vetter, S


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
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 graduates 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

Publications Research Journals in Abstract and/or Full Paper

Akinbulu, IA and Nyokong, T


Antunes, E and Nyokong, T


Britton, J, Antunes, E and Nyokong, T
Brown, ME

Chidawanyika, W and Nyokong, T


Erdogmus, A and Nyokong, T


Erdogmus, A, Nyokong, T and Ogunsipe, A.

George, R and Nyokong, T

Idowu, M and Nyokong, T


Khene, S, Lobb, K and Nyokong, T
Masilela, N, Idowu, M and Nyokong, T

Matemadombo, F and Nyokong, T


Matemadombo, F, Nyokong, T and Sehlotho, N

Mbambisa, G, Nombona, N and Nyokong, T

Mmualefe, L C and Torto, N


Modibane, D and Nyokong, T

Modibane, D K and Nyokong, T

Moeno, S and Nyokong, T


Molefe, D M and Kaye, P T

Molefe, D M, Ganto, M M, Lobb, K K A and Kaye, P T
Mugadza, T and Nyokong, T

Mutorwa, M, Salisu, S and Kaye, PT

Nombona, N and Nyokong, T
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

Nyokong, T


Nyokong, T, Ozoemena, KI and Stefan-van Staden, R-I. "Metallophthalocyanine based carbon paste electrodes for the determination of 2',3'-dideoxyinosine". Electroanalysis. 2009. 21(6),1651-1654.


Ogunbayo, T and Nyokong, T

Ogunbayo, T, Nyokong, T and Ogunsipe, A. "The syntheses, characterization and fluorescence spectra of novel octakis(alkylthiophthalocyanato)nickel(II) and palladium(II) complexes". Dyes and Pigments. 2009. 82,422-426.

Ozoemena, KI

Rashamuse, T, J, Musiliyu, A, M, Klein, R and Kaye, PT
Sunassee, SN, Davies-Coleman, MT and Klein, R

Torto, N

Other Publications
Mokgadi, J, Mmualefe, LC and Torto, N

Pule, BO, Mmualefe, LC and Torto, N

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

Local Conferences
Abel, S, Sunnassee, S, Sewry, J D, Meyer, A and Tukulula, M

Adendorff, M R

Batlokwa, S and Torto, N

Chigome, S and Torto, N


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.


International Conferences


**Concerts/Exhibitions/Performances/Workshops/Events**


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.


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


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, L.C and Torto, N

Nyokong, T


Ogunbayo, T

Torto, N


Torto, N, Chigome, S and Darko, G
Torto, N, Darko, G and Chigome, S  

**International Visit**

Chauke, V  

Coates, M  

Davies-Coleman, M. T. 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.  

**Distinguished Visitors**

Ashworth, S  

Bedioui, F  

Darkwa, J  

Griveau, S  
Harrison, Tim

Kobayashi, N, Shimizu, S and Mack, J

Loewenstein, T

Quinton, D

Rudulph, M

Schlettwein, D

Sheriff, D

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

Shallcross, D

Simoyi, R

Stenken, J

Stillman, M

Young, R
Centre for Higher Education Research, Teaching & Learning (CHERTL)
Centre for Higher Education Research, Teaching & Learning (CHERTL)

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

Mostert, M and Quinn, LE

Pienaar, L

Quinn, LE and Boughey, CM

Other Publications

Knowles, CR

Rau, A

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

Local Conferences

Boughey, CM


Knowles, CR

Mostert, M

Quinn, LE

Rau, A

Reynolds, J M

Southwood, S

Southwood, SL

Vorster, J E

Van Niekerk, R and Vorster, J E.

Concerts/Exhibitions/Performances/Workshops/Events
Hlengwa, AI


Rau, A
Distinguished Visitors

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

Community Engagement

Zondani, V
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 Kristina Lahde, CTA of SAFIPA; Ms Robby Gurdan (Tonometer), 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 Tsietsi, 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 (Prof. 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 for Computer Science continues to be the CoE, funded by Telkom, Converse, 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

Publications Research Journals in Abstract and/or Full Paper

Foss,R

Glass,K and Bangay,S

Halse,M and Mallinson, BJ
Terzoli,A


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”.


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

Local Conferences

Barnett,R and Irwin,B

Cowie,B, Barnett,R and Irwin,B

Foulkes,P and Foss,R

Gavaza,T, Thinyane,H and Terzoli,A

Igumbor,O and Foss,R

Irwin,B

Irwin,B and Barnett,R

Kerr,S and Irwin,B
Kerr, S and Thinyane, H

Meer, H

Mudimba, B and Wentworth, P

Musvibe, R and Terzoli, A

Ncube, S and Thinyane, H

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

Nottingham, A and Irwin, B


Otten, F, Thinyane, H and Irwin, B

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

Pranschke, G-C, Barnett, R and Irwin, B
Sahd, C and Thinyane, H


Shibeshi, L, Terzoli, A and Bradshaw, K


Sieborger, I and Terzoli, A

Sieborger, I and Thinyane, H

Terzoli, A


Tristram, W and Bradshaw, K


Tsietsi, M, Terzoli, A and Wells, G
Research Papers presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)

International Conferences

Barnett, R and Irwin, B

Foss, R

Foss, R, Klinkradt, B and Chigwamba, N

Thinyane, H

Thinyane, H and Thinyane, M

Thinyane, M and Terzoli, A

Thinyane, M, Terzoli, A and Clayton, P


Tristram, W and Bradshaw, K

Tsietsi, M, Terzoli, A and Wells, G

Wells, G

Wells, GC


International Visit
Wells, GC

Distinguished Visitors
Brown, W

Luccio, F

Mekuria, F

Riordan, D
Extracted copy from the report section, giving the reader an overview.

Copy to be defined...

Drama 2009
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), Aardklopb
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


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

Local Conferences

Sutherland, AEM

International Conferences

Krueger, A

Sutherland, AEM

Concerts/Exhibitions/Performances/Workshops/Events

Buckland, A


Gehring, H


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, G


Krueger, A


Praeg, J


Sutherland, AEM


International Visit

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

Distinguished Visitors

Power, W

Wylde, L
We just don’t know what’s out there. There’s so much to be discovered. 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.
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

Mutambara, TE

Publications Research Journals in Abstract and/or Full Paper

Akinkugbe, O

Aziakpono, MJ

Cattaneo, NS

Chinzara, Z and Aziakpono, MJ


Fraser, GCG

Karoro, T, Aziakpono, M, and Cattaneo, N

Mutambara, T

Snowball, J D


Other Publications

Cattaneo, N, S
Cattaneo, N, S. “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.

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

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

Local Conferences

Antrobus, G and Achtzehn, MH

Aziakpono, MJ


Aziakpono, MJ and Barnor, JA

Aziakpono, MJ, Nel, H and Moyo, SS

Cattaneo, NS

Chinzara, Z

Fraser, GCG


Mbatha, CN and Antrobus, GG
Roberts, T

Snowball, J. D

International Conferences

Fraser, G. C. G.

Snowball, J. D
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.
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

Baxen, J


Lotz-Sisitka, HB


Lotz-Sisitka, HB and Oltit, L

Murray, S


Robertson, SA

Stevens, AW
Publications Research Journals in Abstract and/or Full Paper

Dalvit,L and Murray,S  

Downsborough,L  

Jackson,MJ  

Lotz-Sisitka,H  


Lotz-Sisitka,HB  


Mukute,M  

Murray,S  


Pesanayi,T  

Silo,N  
Togo, M

Wilmot, D

Other Publications

Schudel, I


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

Local Conferences

Atebe, H and Schafer, M

Brown, B J L

Dalvit, L and Murray, S


Hodgkinson-Williams, C


Lotz-Sisitka, H, Ellery, K, Olvitt, L, Schudel, I, and O’Donoghue, R
Lotz-Sisitka, HB

Mukute, M

Murray, S and Tyatya, G

Ngcoza, K


Ngcoza, KM

O’Donoghue, R

Samson, D and Schafer, M

Schudel, IJ

Silo, N

Stevens, AW
Tokwe,T and Schafer,M

Vandeleur,S and Schafer,M


Wilmot,D


International Conferences

Euvrard,GJ

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 Kyototo: Addressing the Challenges of Climate Change Conference. 5 - 7 March 2009, Aarhus, Denmark.


Lotz-Sisitka, HB and Ellery,K

Schafer,M

Rhodes University | Research Report 2009
Wilmot, D.


Concerts/Exhibitions/Performances/Workshops/Events

Lotz-Sisitka, H.B.


Mukute, M.


Muloongo, A.H.


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

Euvrard, G.J.

Euvrard, G.J. 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. 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 Kethoiliwe
Dr Mphemelang Kethoiliwe, 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.
We just don’t know what’s out there. There’s so much to be discovered. 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.
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

We just don’t know what’s out there. There’s so much to be discovered. 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.
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, however, to be determined.

Professor Dirk Klopper
Head of Department

Books/Chapters/Monographs

Marais,MJ

Schmidt,J M

Seddon,D

Van Wyk Smith,M

Publications Research Journals in Abstract and/or Full Paper

Marais,MJ

Mason,T

Van Wyk Smith,M

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. 10(1),49-62.


Wylie,D
Other Publications

Cornwell, DGN

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

Local Conferences

Cornwell, G

Schmidt, J M


International Conferences

de Coning, A
Department of English Language & Linguistics

Having in 2008 reviewed, revised and consolidated the eight strand undergraduate curriculum, the focus in 2009 shifted to the postgraduate 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

Simango, SR


Publications Research Journals in Abstract and/or Full Paper

Adendorff, R, de Klerk, V and van Genechten, D

de Klerk, V

De Vos, M.

Marshall, C, Adendorff, R and de Klerk, V

Siebörger, J and Adendorff, R

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

Local Conferences

Siebörger, I

International Conferences

Adendorff, R

de Klerk, V

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

Simango, S R

International Visit

De Vos, M A
We just don’t know what’s out there. There’s so much to be discovered. 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.
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 biotechnologies 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**


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

**Local Conferences**

van Breugel, Y.

**International Conferences**

Cowan, A.K.


Cowan, AK and Laubscher, RK

Laubscher, RK


Patents (Final & Provisional)

Rose, PD

Rose, PD, Igbinigie, EE and Horan, MP

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. 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

van Breugel, Y
We just don't know what's out there. There's so much to be discovered. 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.
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


Shackleton,SE and Shackleton,CM

Publications Research Journals in Abstract and/or Full Paper

Amutenya,N, Shackleton,CM and Whittington-J ones,KJ
Cundill,G and Fabricius,C

Davenport,NA and Gambiza,J

Ellery,WN


Gambiza,J

Hajat,A and Shackleton,CM

Kaschula,SA and Shackleton,CM

McGarry,DK and Shackleton,CM


Paumgarten,F and Shackleton,CM

Powell,M

Shackleton,CM and Shackleton,SS
Shackleton,CM and Shackleton,SS. “Can tropical forest science contribute to international development agendas?”. Journal of Tropical Forest Science. 2009. 21(6),1-2.

Shackleton,CM
Shackleton, CM, Cundill, G and Knight, AT

Shackleton, CM, Parkin, F, Chauke, M, Downsborough, L, Olsen, A, Brill, G and Weideman, C

Other Publications
Fearon, J and Shackleton, CM

Powell, M

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

Local Conferences
Collings, S

Gambiza, J

Shackleton, C M

Thondhiana, G
International Conferences

McConnaghie, M

Shackleton, C.M

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 Xiaqiang Gong from China.

Professor Dominic Thorburn
Head of Department
Books/Chapters/Monographs

Schmahmann,B


Simbao,R

Publications Research Journals in Abstract and/or Full Paper

Jamal,AA


Jamal,AA. “Nicholas Hlobo”. Art South Africa. 2009. 8(1),84.


Meistre,BA

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),18.


Other Publications

de Jager,M


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

**Local Conferences**

**Armstrong, B**


**Bronner, I**


**Jamal, A.A.**


**Lochner, E**


**Makhubu, N.M**


**Schmahmann, B**


**Simbao, R**


International Conferences

Schmahmann, B

Simbao, R

Thorburn, D

Concerts/Exhibitions/Performances/Workshops/Events

de Jager, M


Dixie, C B


Hipper, M

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


Maree, C

Meistre, BA


Schmahmann, B

Thorburn, D


Western, NA


International Visit

Makhubu, NM


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


Distinguished Visitors

Mama, T


Mr A Lamprecht


Prof SX Gong


Miss d Victor

We just don't know what's out there. There's so much to be discovered. 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.
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 Baviaanskloof 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 Williborg 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.
Publications Research Journals in Abstract and/or Full Paper

Du Preez, L and Gibb, MW

Foster, IDL


Fox, RC
Grenfell, SE

McGregor, GK

Rowntree, K

Shahid, S

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

Local Conferences

Fraenkel, L and Fox, RC

McGregor, GK and Elkington, L

Melly, B and McGregor, GK

Ngcofe, L and McGregor, GK

Rowntree, K, Birkholz, SA and Fox, HE

Rowntree, KM, Fox, R and Fraenkel, L
Van der Waal, B and Rowntree, K

International Conferences

Foster, I and Rowntree, K

Fox, R.C, Fraenkel, L and Rowntree, K

Fraenkel, L

Ngcofe, L and McGregor, G.K

Rowntree, K

Rowntree, K and Foster, I

Rowntree, K, Fox, R.C and Fraenkel, L

International Visit

Fox, R.C, Fraenkel, L and Rowntree, K
Wilmot, D, Fox, R.C, 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, R.C
Fox, R.C. Finland futures research centre, Turku, Finland. North-South Programme. 1 May - 4 June 2009.


Fox, R.C. Högskolan Vast, Trollhättan, Sweden. Guest professor, international programme in politics and economics. 7 September - 3 October 2009.

**Distinguished Visitors**

**Assmo, P**  

**Beavon, K**  

**Finlayson, B**  

**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 HEIC1 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**  

**Kuusisto, R**  
Professor R Kuusisto. Finland Futures Academy, University of Lapland, Rovaniemi, Finland. Teaching GOGHONS ‘Frontiers in geographic thought’. Mar - Apr 2009.

**Wihlborg, E**  
The Geology Department continued to build on its developing strengths from 2007 and 2008. 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.

2009

Geology
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.

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**Publications**

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


Cabral, AR and Tsikos, H

Hanson, EK, Moore, J M, Bordy, EM, Marsh, J S and Howarth, G

Moore, A


Prevec, R


Tsikos, H

Other Publications
Prevec, R and Bordy, E
Research Papers presented at Academic/Scientific Conferences (Proceedings, Booklets and Attendance)

Local Conferences

Büttner, SH and Prevec, SA

De Klerk, WJ


Marsh, JS


Marsh, JS and Mitha, VR

Prevec, SA

Prevec, SA, Büttner, SH and Kuhn, BK

Sciscio, L and Tsikos, H
International Conferences

Bordy, EM


Büttner, SH

Cabral, AR

De Klerk, WJ

Marsh, JS


Moore, JM and Tsikos, H
Tsikos, H

International Visit

Büttner, SH

Marsh, S


Moore, J M
Moore, J M. Field trip, Tete, Mozambique. MSc Project, Fingoe Belt, Tete District, Mozambique. 22 - 30 September 2009.

Prevec, S A and Howarth, G H
Prevec, S A and Howarth, G H. 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.


Distinguished Visitors

Choiniere, J

Delpech, G

Ferre, E C

Fluteau, F

Forster, C A

Gastaldo, R A
Geissman, JW

Gerard, M

Labandeira, CC
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.


Professor Paul Maylam
Head of Department
Books/Chapters/Monographs

Baines, GF


Publications Research Journals in Abstract and/or Full Paper

Baines, GF


Kirkaldy, A


Maylam, PRM
Maylam, PRM. "Archetypal hero or living saint? The veneration of Nelson Mandela". Historia. 2009. 54(2), 21-36.

Mkhize, N

Msindo, E

Other Publications

Baines, GF

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

Local Conferences

Baines, GF

International Conferences

Baines, GF


Msindo, E

Wells, J
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

Goebel,M


Scott,P


Todd,AI

Publications Research Journals in Abstract and/or Full Paper

Brown,L and Christie,CJ

Christie,CJ and Ingram Lock,B

Joiner,AJ and Christie,CJ

Kelly, JA and Christie,CJ
Local Conferences

Burford,E-M and Zschernack,S.

Christie,CJ

Christie,CJ and Kelly,J.

Davy,J P and Goebel,M.

De Gray Birch,C and Mattison,MC.

Elliott,AB and Goebel,M.

Garson,C, Mattison,MC and Goebel,M.

Goebel,M.

Goebel,M.

Goebel,M and Skelton,SA.

Hodgskiss,J and Zschernack,S.

Lombard, W, and Goebel, M.

Ndaki, N, Mattison, M, and Ngcamu, N.

Ngcamu, S, Zschenack, S, and Goebel, M.

Pettengell, C, and Zschenack, S.

Pettengell, C, Stack, J, and Mattison, M.

Robertson, J, and Zschenack, S.

Schoeman, E, Mattison, M, and Goebel, M.

Tau, S, and Goebel, M.

Todd, A, Bennett, A, and Desai, S.

Zschenack, S.

Zschenack, S, and Goebel, M.
International Conferences

Christie,CJ

Christie,CJ and Puziliewz,M

Elliott,AB and Goebel,M

Goebel,M and Skelton,SA

Goebel,M and Zschernack,S

Ngcamu,NS, Zschernack,S and Goebel,M

Zschernack,S

Zschernack,S and Goebel,M
2009 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 Católica 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.

Books/Chapters/Monographs


Publications Research Journals in Abstract and/or Full Paper

Andrew, TG, Godfrey, B and Sauer, WHH

Andrews, AH

Atkinson, D

Bennett, RH and Sauer, WHH

Dicken, ML and Booth, AJ
Ellender, BR, Weyl, OLF and Winker, H

Filmalter, JD, Weyl, OLF and Sauer, W

Forget, FRG
Teske, PR, Cowley, PD, Forget, FRG and Beheregay-LB. “Microsatellite markers for the roman, Chrysoblephus lacteus (Teleostei: sparidae), an overexploited seabream from South Africa”. Molecular Ecology Resources. 2009. 9, 1162-1164.

Goetz, A, Kerwath, SE and Sauer, WHH


Ismail, I, Jones, CLW, Britz, PJ and Esterhuizen, AJ

Kaiser, H

Kemp, JOG and Britz, PJ


Kruger, J

Magellan, K

Markovina, MZ and Kaiser, H

Montoya-Maya, PH

Oosthuizen, A

Palmer, R. M

Pattrick, P

Potts, W. M and Sauer, W. H. H

Raemaekers, S and Britz, P. J

Richardson, T. J, Booth, A. J and Weyl, O. L. F

Sauer, W. H. H

Weyl, O. L. F and Booth, A. J

Yearsley, R, Jones, C. L. W and Britz, P. J
Other Publications

Britz, PJ

Britz, PJ and Lee, B

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

International Conferences

Britz, PJ


Chalmers, R and Sauer, WHH

Esterhuizen, AJ, Johnson, A, Ismail, I, Jones, CLW and Britz, PJ


Green, A, Jones, CLW and Britz, PJ


Jones, CLW

Naylor, M, Kaiser, H and Jones, CLW


**Distinguished Visitors**

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.


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.

Books/Chapters/Monographs

McNeill, J


Publications Research Journals in Abstract and/or Full Paper

Jacobs, C and Sewry, D


Mallinson, B J


Schlenkrich, L and Upfold, C


von Urff Kaufeld, N, Chari, V and Freeme, D

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

Local Conferences

Foster, G


Foster, G and Mackay, M C

International Conferences

Benyon, R V


Brock, R N and Benyon, R V

Mallinson, B J

Mallinson, B J and Carter, R

Mazvimavi, V and Benyon, R V

Pade, C I and Sewry, D
Upfold, C and Liu, H

**Distinguished Visitors**

**Donner, J**

**Sainsbury, M**
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 Diphospho-posho’. Other publications by Prof Wright included an edition of Nathaniel Merriman’s lecture ‘Shakspeare 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 J STOR (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 EBSCOnline 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 J STOR 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

Quince, R

Wright, L S

Publications Research Journals in Abstract and/or Full Paper

Hendricks, M

Mann, C
Mann, C. "The fathers and sons cricket match". English Academy Review. 2009. 26(2), 91-93.
Mann, C. "To J ...among the galaxies". Literator. 2008. 26(3), 233.

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), 153-65.

Wright, L S
Wright, L S 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


Mann, C


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

Local Conferences

Hendricks, M

Mbelani, M

International Conferences

Wright, L.S

Concerts/Exhibitions/Performances/Workshops/Events

Wright, L.S

Distinguished Visitors

Beckett, D

Gumede, W

Kgotsetsile, W

Langa, M

Mona, G V

Tom, X

Willan, B
Institute of 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 postdoctoral 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 SANCAHS (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

Hughes, DA


Publications Research Journals in Abstract and/or Full Paper

Arimoro, FO

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.


Gordon, AK and Muller, WJ

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.


Moore, BA

Zuma, BM

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

Local Conferences

Arimoro, FO and Muller, WJ

Gola, NP and Muller, WJ

Gola, NP, Griffin, NJ and Muller, WJ

Gordon, AK and Muller, WJ

Hughes, DA


Kapangaziwiri, E and Hughes, DA

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 Conference on Implementing Environmental Water Allocations. Port Elizabeth, Port Elizabeth, South Africa. February 2009.
Muller, WJ
Scharman, 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, WJ N

Sawunyama, T and Hughes, DA

Slaughter, AR, Muller, WJ and Hughes, DA

International Conferences
Gordon, AK and Muller, WJ

Hughes, DA


Kapangaziwiri, E and Hughes, DA

Sawunyama, T and Hughes, DA
International Visit

Hughes, DA
Hughes, DA. Pennsylvania State University, State College, United States 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.
Institute of Social and Economic Research (ISER)
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 J 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

Møller, V, and Huschka, D


Ruiters, G D

Publications Research Journals in Abstract and/or Full Paper

Atkinson, D

Huschka, D
Kelly, K.J.

Rau, A.

**Other Publications**

**Hamer, N.G.**

**Hamer, N.G., Magoqwana, B. and Matatu, S.**

**Rau, A.**

**Ruiters, G.D.**

**Ruiters, G.D. and Scott, B.**

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

**Local Conferences**

**Alexander, J. and Cocks, M.L.**

**Cocks, M.**

**Cocks, M.L.**


Ruiters, G.D.

International Conferences

Cocks, M.L.

Møller, V.

Møller, V.

Møller, V.

Ruiters, G.D.

Concerts/Exhibitions/Performances/Workshops/Events

Cocks, M.

Cocks, M.L.


Cocks, M.L., Alexander, J. and Mogano, L.L.

**International Visit**

Ruiters, G.D.

**Distinguished Visitors**

Otterbach, S.

Sousa-Poza, A.

Van Niekerk, R.

Wiersum, F.

2009

Journalism and Media Studies
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 NMMU 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 (WJ EC), 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 sensitize media to the programmes and activities of NEPAD. Professor Banda took part in the Association for Education in Journalism and Mass Communication (EJMC) 92nd annual convention, Boston, USA, where his role included making the case for Rhodes University to host the 2nd World Journalism Education Congress (WJ EC). 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 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 of 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 Convener of the Judges at the Mondi 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 J journalists (November). Finally, Highway Africa’s Future J journalists Programme (FJ P) 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 J Journalism Education Conference.

**Professor Larry Strelitz**

Head of Department
Books/Chapters/Monographs

Banda, F


Berger, G


Duncan, J


Kyazze, S

Prinsloo, J RJ

Rau, A

Publications Research Journals in Abstract and/or Full Paper

Amner, RJ

Banda, F


Other Publications


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.


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

Local Conferences


Dugmore, H.L.


Garman, A.C.


Prinsloo, J.R.J.


International Conferences

Banda, F.


Berger, G.


Concerts/Exhibitions/Performances/Workshops/Events


Brand, RC

Duncan, J

Garman, AC

Kyazze, S

Prinsloo, RJ

Schoon, AJ
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.

International Visit
Berger, G
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.
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 Mqeqe 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

Kruger, R


Midgley, R


Mqeke, R

Publications Research Journals in Abstract and/or Full Paper

Abrahams, P

Glover, G

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

Kerr, A

Kerr, A

Kruger, R

Kruuse, H


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

Local Conferences


Roberts, L

Van Coller, H

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

International Conferences

Driver, S

Juma, L

Ramlall, S

Concerts/Exhibitions/Performances/Workshops/Events

Bodenstein, J


Campbell, J, Bodenstein, J, Kruger, R, Van Coller, H and Kruuse, H
Goolam, N

Kruuse, H

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.

Kruuse, H
Kruuse, 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.
We just don't know what's out there. There's so much to be discovered. 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.
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, 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
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 Osnabueck, 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

Mayer, C-H

Mayer, C-H and Boness, CM

Mayer, C-H and Louw, L

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

Local Conferences

Du Preez, C.A and Louw, L

Mayer, C-H and Louw, L


International Conferences


Concerts/Exhibitions/Performances/Workshops/Events


International Visit

Louw, L. Shanghai Institute for Foreign Trade, Shanghai, China. Presented a course in cultural management. 27 March - 11 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**

**Jackson, T**

**Mayer, CH**

**Van der Meer, P**
Mr P Van der Meer. Utrecht University, Utrecht, Netherlands. Lectured a course in entrepreneurship on the postgraduate diploma in enterprise management. Jan 2009.
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**

**Craig, A**

**Pinchuck, AL**

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

**Local Conferences**

**Bishop, NT**

**Orpen, D**

**International Conferences**

**Burton, MH**

**Pinchuck, AL**

**Remsing, CC**
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
Department of Music and International Library of African Music (ILAM)

2009
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 premiere of Robert Rollin’s Second String Quartet and the South African premiere 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, C. A. "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**


**Watkins, L**


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

**International Conferences**

**Thram, D.J.**


Thram, D.J. "Guidelines for Reproduction, Sale and Repatriation of Digital Heritage"

**Madiba, E**

Other Publications

Brukman, J


Brukman, J. "Now thank we all our God". In: Cue. Accone, D (Ed). Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2009.


Edwards, J


Concerts/Exhibitions/Performances/Workshops/Events

Brukman, J


Brukman, J. Adjudication. SASMT Eastern Cape Music Competition. NMMU. Port Elizabeth, South Africa. 26 September 2009.

Duby, M


Duby, M. Performer, composer. Baroque and Blue Eastern Cape tour. NMMU. Port Elizabeth, South Africa. 23 July 2009.


Edwards, J


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.


Schmidt, C


Thram, D.J.

Thram, D.J. Workshop participant. Connecting the world’s collections: making the case for the conservation and preservation of our cultural heritage. Salzburg Global Seminar, Schloss Leopoldskron, Salzburg, Austria. 28 October - 1 November 2009.
Distinguished Visitors

**Bonati, R**


**Jonkers, H**


**Odeion String Quartet**


**Rollin, R**

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 of 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 Phycological 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 form 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

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**Books/Chapters/Monographs**

**Dowse,R**


**Walker,RB and Chaibva,FA**


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

**Afolayan,AF, Mann,MG and Beukes,DR**


**Afolayan,AF, Mann,MG, Antunes,EM and Beukes,DR**

Brock, TP

Finkelstein, N

Futter, B

Jobson, M, R

Magadza, C and Srinivas, SC

Mills, E

Mogatle, S and Kanfer, J

Parolis, H, Paramonov, N.A and Parolis, L.A.S

Patnala, S and Kanfer, J

Ruud, K.W and Srinivas, S.C

Srinivas, S.C, Wrench, W, Karekezi, C.W and Daya, S

Tandlich, R

Tettey-Amlalo, RNO and Kanfer, I

Tettey-Amlalo, RNO, Kanfer, I, Skinner, MF and Verbeeck, RK

Verbeeck, RK

Walker, RB


Walker, RB, Khamanga, SMM, Parffitt, NR, Nyamuzhiwa, T and Haidula, H

Other Publications
Jobson, MR


Jobson, R

Srinivas, SC

Srinivas, SC and Karekezi, C
Tandlich, R

Walker, RB


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

Local Conferences

Barford, K-L, Dowse, R and Ramela, T

Beukes, DR

Dukhi, N, Patel, S, Mukadam, N, Limbada, A, Fakee, J, Naidoo, T and Srinivas, SC

Kanfer, J

Luyt, CD and Tandlich, R

Ruud, KW and Srinivas, SC

Wrench, WM, Dowse, R and Srinivas, CS
Zuma, BM and Tandlich, R

International Conferences

Afolayan, AF and Beukes, DR

Au, WL, Skinner, MF and Kanfer, I

Barford, K-L and Dowse, R

Dowse, R and Ramela, T

Dowse, R, Ramela, T and Barford, K-L


Kanfer, I

Kanfer, I and Patnala, S

Mann, MG and Beukes, DR
Muller, AC and Kanfer, I

Parfitt, N and Kanfer, I

Patnala, S and Kanfer, I

Tandlich, R


Walker, R B


Walker, R B and Chaibva, F

Walker, R B and Fauzee, A F

Walker, R B and Jundoo, H D

Walker, R B and Khamanga, S M M
Walker, RB and Sachikonye, TC

Walker, RB and Wa Kasongo, K
Walker, RB, Wa Kasongo, K, Shegokacar, 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 Maximilain’s, Trieste. Italy. October 2009.

Walker, RB and King’ori, LD

Concerts/Exhibitions/Performances/Workshops/Events

Jobson, MR

Kanfer, I

Kanfer, I, Patnala, S, Skinner, MF and Walker, RB

Skinner, MF

Srinivas, SC

Srinivas, SC, Karekezi, C and Wrench, W

Walker, RB
International Visit

Tandlich, R
Wilhelmi, B.S 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

Amidon, G

Benfeldt, E.M

Brown, R

Finkelstein, N

Fotaki, N

Gray, V.A

Jean, L

Kramer, J

Lamprecht, A

Patterson, B

Sewram, V

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, R.K

Wray, T
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


Publications Research Journals in Abstract and/or Full Paper


**Hamilton, K.** "Hate the sin, but not the sinner": forgiveness and condemnation". South African Journal of Philosophy. 2009. 28(2), 114-123.


**Mitova, V.** "A quasi-pragmatist explanation of our ethics of belief". Teorema. 2009. 28(3), 113-130.


Other Publications

Jones, WE


Tabensky, PT and Jones, WE

Vice, S

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

Local Conferences

Dewhurst, T


Euvrard, J

Hamilton, K


Hoffmann, N

Jones, WE


Kelland, LA


Lenferna, GA

Lothian, J

Martin, T

Mitova, V

Paphitis, S A


Tabensky, P A

Terlazzo, R


van der Nest, M


Vice, S

International Conferences

Hoffmann, N
Martin, T

Tabensky, PA


Vice, S

Concerts/Exhibitions/Performances/Workshops/Events
Williamson, F


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 - J June 2009.

Martin, T
Martin, T. Flinders University, Adelaide, Australia. The desire for transcendence in The man who wasn’t there. 1 J June - 4 J 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

Taylor, PC

Walton, K

Williams, J
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 $^{50}$Zn($^{4}$He, 2$n$)$^{72}$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 $^{12}$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**


**Habarulema, JB** and **McKinnell, LA**


Jonas, J.L


Leeuw, L.L


McKinnell, L.A


McKinnell, L.A and Cilliers, P.J


Moeketsi, D.M and McKinnell, L.A


Ngwira, C.M and McKinnell, L.A


Poole, A.W.V and McKinnell, L.A


Sibanda, P and McKinnell, L.A


Uwamahoro, J and McKinnell, L.A

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

Local Conferences


International Conferences


**Karataglidis, S**


**Karataglidis, S** and **Wright, I.A.** "Charge exchange reactions as tests of structure of exotic nuclei". 12th International conference on nuclear reaction mechanics. Villa Monastero, Varenna, Italy. June 2009.


International Visit

Karaglidis, S

McKinnell, LA

McKinnell, LA. Graz University of technology, Graz, Austria. Scientific research visit. 3 - 9 August 2009.

McKinnell, LA. Kyudo University, Kyoto, Japan. Scientific research visit. 26 October - 9 November 2009.


McKinnell, LA and Nwira, CM

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

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

Mosert, M

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
2009

Political and International Studies

Rhodes University
Where leaders learn
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


Pithouse, R M


Vale, P


Publications Research Journals in Abstract and/or Full Paper

Barrett, G

Bischoff, PH

Fluxman, AP

Friedman, S

Kapa, M

Pithouse, R M
Pithouse, R M. “The struggle for the city in Durban, South Africa”. Cicades. 2009. 6(9),241-270.

Pithouse, RM. “It's about more than just widget making”. South African Journal of Science. 2009. 105(5-6), 165-166.


Pithouse, RM. “Mike Davis’ ‘planet of slums’”. Trilog. 2009. 98.

Vale, P


Vale, P and Barrett, G


Vincent, L, Edwards, D and Brereton, C


Vincent, LD


Vincent, LD and Camminga, B


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


Pithouse, RM


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. “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. “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. “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. “When not voting is the only way to be heard”. In: Cape Times. August, T (Ed) Cape Times. Cape Town. 2009.


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

Matthews, SJ
International Conferences

Bischoff, PH

Matthews, SJ

Pithouse, RM

Vale, P

Vincent, LD

Distinguished Visitors

Cronin, J

Farrell, G

Fedderke, J

Good, K.
Professor Ken Good. To teach a course at second year level. April-June 2009.

Handy, PS

Hlahla, M

Kagwanja, P

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

Wilson, F

Neocosmos, M

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

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, A M
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 Fridges: 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

Rhodes University | Research Report 2009
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”. 

Deych, T
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 amounts 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 J aber 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

Edwards, D. A

Macleod, C

van Ommen, C

Wilbraham, L. A.
Publications Research Journals in Abstract and/or Full Paper

Edwards, D.J A


Knoetze, J J

Macleod, C


Payne, C and Edwards, D.J A

Saville Young, L

Shuttleworth-Edwards, A B

Shuttleworth-Edwards, A B and Whitefield-Alexander, V J

van Ommen, C

Whitefield-Alexander, V and Edwards, D.J A

Wilbraham, L A


Other Publications


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

Local Conferences


International Conferences


Macleod, C

McKenzie, J and Macleod, C

van Ommen, C

Young, C

Concerts/Exhibitions/Performances/Workshops/Events

Knoetze, J J

Shuttleworth-Edwards, A B

International Visit

Macleod, C

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

Durrheim, K

Pillay, Y
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


Pearse,NJ and Kanyangale,M

Pearse,NJ and Williams,QW

Staude,GE

Taylor,S and Pearse,NJ

Whittington-Jones,KJ


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

Local Conferences

Kanyangale,M and Pearse,NJ

International Conferences

Pearse,NJ

Pearse,NJ and Kanyangale,M
Pearse, NJ and Taylor, S

Distinguished Visitors

Andersen, RC

Baillie, D

Blewett, S

Engelbrencht, L

Khoza, RJ

King, ME

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

Susman, S

van der Walt-Korsten, M
We just don't know what's out there. There's so much to be discovered. 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.
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.
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 J Il Adler, Wits University, Johannesburg.
- HIV/AIDS workshops.
- IT/Computer training workshops.

Dr Rose Spanneberg
Director, RUMEP

Books/Chapters/Monographs

Spanneberg, R

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

Local Conferences

Jooste, Z


Penlington, TH

Spanneberg, R


Tokwe, T

Concerts, Exhibitions, Performances, Workshops, Events

Jooste, Z

Jooste, Z, Tokwe, T and Mkhwane, F


Penlington, TH

Tokwe, T

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 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.
School of Languages


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 Curlow 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 Folklife 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 multilingualism 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 (R 7 500 000.00 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 “Multilingualism 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 Boekkool 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

Publications Research Journals in Abstract and/or Full Paper

Dalvit,L

Domingo,RSC

Kaschula,RH

Kaschula,RH and Maseko,P

Kaschula,RH, Maseko,P, Dalvit,L, Sam,M, Mapi,T, Nosilela,B and Nelani,L

Mostert,A and Kaschula,RH

Mpewu,PK

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
Other Publications

Weber, US

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

Local Conferences

Kaschula, RH

Maseko, P and Kaschula, RH


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


Mpewu, PK

Nxasana, T

Sam, M and Dalvit, L

Sam, M., Dalvit, L., and Kaschula, R.H.

“Accessibility of technology through the use of African languages”.

**International Conferences**

Domingo, R.S.C.

“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. 131-158.

Kaschula, R.H.


Kaschula, R.H. “Technauriture: multimedia research and documentation of African oral performance”.

Maseko, P., Nosilela, B., Sam, M., Mapi, T. and Dalvit, L.


Masola, A.


Mukenge, A.N.

“La littérature de la migration: une écriture des traces et une trace d’écriture?”.

Mwepu, P.K.


Sam, M., Dalvit, L., and Maseko, P.


Weber, U.S. and Surridge, T.M.


**Concerts/Exhibitions/Performances/Workshops/Events**

Dalvit, L., Maseko, P. and Sam, M.

Jackson, JL

Maseko, P


Maseko, P and Nosilela, B

Nosilela, B

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

Distinguished Visitors

Batibo, H

Ester, H
Dr Hans Ester. Radboud University, Nijmegen, the Netherlands. To conduct seminars. Nov - Dec 2009.

Martin, W

Venter, E
Mr Eben Venter. Internationally renowned author, Sydney, Australia. To conduct a seminar and to present a faculty lecture. May - Apr 2009.
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 Hellinger**
Head of Department

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### Books/Chapters/Monographs

**Adesina, JO**


**Coetzee, JK**

**Helliker, KD**

**Klerck, GG**


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

**Adesina, JO**

**Coetzee, JK**

**Coetzee, JK** and **Chisaka, JK**

**Klerck, GG**


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

**Local Conferences**

Chisaka, J.K.


Roodt, J.J. and Stuurman, S.


Sishuta, H.B.


**International Conferences**

Adesina, J.O.


Coetzee, J.K.


Drewett, M.


Helliker, K.D.


2009

Statistics

RHODES UNIVERSITY
When leaders learn
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 Lizzanne 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

Jamaal, M

Radloff, S. E
Duangphakdee, O., Radloff, S. E., Pirk, C. W. W. and Hepburn, H. R. “Sun angle time windows for absconding by the dwarf honeybee, Apis florea”. Journal of Insect Physiology. 2009. 55, 1009-1012.


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

Local Conferences

Jäger, G

Radloff, SE

International Conferences

Baxter, J S

Jamal, M

Radloff, SE and Raubenheimer, L

Distinguished Visitors

Debba, P
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 Perreira da Conceicao, spent three weeks in a molecular genetics laboratory 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

Craig, A


Froneman, PW
Hill, MP


Hodgson, AN

McQuaid, CD


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.


Bernard, KS and Froneman, PW

Bonnevie, B
Kohler, S, Bonnevie, B and Dano, S. "Can eye flecks 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 J aquemet, 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.


Bowen, SJ and McQuaid, CD
Coetzee, JA and Hill, MP
Coetzee, JA, Byrne, MJ, Hill, MP and Center, TD. “Should the mirid, Eccritotarsus catarinensis (Heteroptera: Miridae), be considered for release against water hyacinth in the United States of America?” Biocontrol Science and Technology. 2009. 19(1), 103-111.


Cole, VJ

Daly, R and Heynes, E

Diop, O and Hill, MP
Diop, O and Hill, MP. “Quantitative post-release evaluation of biological control of floating fern, Salvinia molesta D.S. Mitchell (Salviniaceae), with Cyrtobagous salviniae Calder and Sands (Coleoptera: Curculionidae) on the Senegal river and Senegal river delta”. African Entomology. 2009. 17(1), 64-70.


Downie, DA

Downie, DA and Williams, J G

Froneman, PW

Froneman, PW and Henninger, T

Goble, TA and Hill, MP

Henninger, T, Froneman, PW, Richoux, N and Hodgson, A N
Henninger, T, Froneman, PW, Richoux, N and Hodgson, A N. “The role of macrophytes as a refuge and food source for the estuarine isopod Exosphaeroma hylodromis (Barnard, 1940)”. Estuarine Coastal and Shelf Science. 2009. 82, 285-293.
Hepburn, HR
Hepburn, HR. “Wax discrimination in the lesser Honeyguide Indicator minor”. Ostrich. 2009. 80(2),119-120.


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.


Hill, J.M and McQuaid, C.D


Hodgson, AN

Hodgson, AN, Eckelbarger, KJ and Young, CM. “Sperm ultrastructure and spermatogenesis in the hydrothermal vent gastropod Rhynchopelta concentrica (Peltospiridae)”. Journal of Molluscan Studies. 2009. 75,159-165.


Kemp, J. OG

Kirk-Spriggs, AH

Kohler, S
Kohler, S, Bonnevie, B, and Dano, S. “Can eye-flecks be used to sex African black oystercatchers Haematopus moquini in the field?”. Ostrich. 2009. 80(2),109-110.


Richards, CS, Crous, KL and Villet, MH

Richards, CS, Price, BW and Villet, MH

Richards, CS, Williams, KA and Villet, MH

Richoux, NB and Froneman, PW

Roux, C and Bernard, RTF

Schapira, M


Simon, CA


Teske, PR and McQuaid, CD


Tourle, RA, Downie, DA and Villet, MH

Villet, MH
Vorwerk, PD and Froneman, PW

Yang, M and Hepburn, HR


Zachariades, C

Zardi, GI, Nicastro, KR and McQuaid, CD

Other Publications
Craig, A


De Moor, FC
de Moor, FC. “Last Word: It’s a Beetle ID Parade at Workshop”. The Water Wheel. 8(2): 38.

de Moor, FC. “Aquatic Beetles under the microscope”. The Elephant’s Child. 33(2): 2-3.

Downie, DA

Downie, DA. “DNA barcoding”. In: Gscott’s Mail. Lang, J (Ed) Gscott’s Publishing. Grahamstown, South Africa. 2009. 10 July, 17.

Hill, MP

Hodgson, AN

Villet, MH


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

Local Conferences

Allan, EL, Richoux, N and Froneman, PW

Ambrose, ST and Froneman, PW

Bellingan, TA, de Moor, FC and Villet, MH
Bellingan, TA, de Moor, FC and Villet, MH. "Biotic signatures of rivers in and around the Tsitsikamma National Park based on Trichoptera". Proceedings of the 16th entomological congress. Organized by the Entomological Society of Southern Africa hosted by the Department of Conservation Ecology and Entomology, Stellenbosch University. 5 - 7 July 2009.

Bellingan, TA, de Moor, FC and Villet, MH. "Biotic signatures of rivers in and around the Tsitsikamma National Park based on Trichoptera". Working together for a living landscape. Fynbos Forum Programme. 4 - 7 August 2009.

Bonnevie, B, Richoux, NB and McQuaid, CD
Coetzee, JA and Hill, MP

Coetzee, JA, Hill, MP, Martin, GD and Schlange, D

Craig, A

Froneman, PW, Daly, R and Sterley, J

Goble, TA and Hill, MP

Grant, T and Parker, D M

Hepburn, C, Villet, M and Hill, M

Heshula, L U P and Hill, M P

Hill, M P


Hill, M P, Coetzee, J A, Martin, G D and Schlange, D

Hodgson, A N
King, S and Hill, MP

Kirkman, W and Hill, MP

Langa, SF and Hill, MP

Lukac, D and Hill, MP

Matumba, TG and McQuaid, CD

Paterson, ID and Hill, MP

Pereira da Conceição, LL and Hill, MP

Price, BW and Villet, MH

Richoux, NB and McQuaid, CD

Sawers, TJ, Coetzee, J A and Hill, MP

Schlange, D, Coetzee, J A, Martin, GD and Hill, MP
Singh, L and Froneman, PW

Snow, WD, Coetzee, JA and Hill, MP

Venter, K.J. and Hill, M.P.

Villet, M.H.


Voogt, N.M, Coetzee, JA and Hill, MP

Williams, K.A and Villet, M.H.M.

International Conferences

Allan, E.L, Ambrose, S.T, Richoux, N.B and Froneman, P.W

Coetzee, J.A

Coetzee, J.A and Hill, M.P

Cole, V
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. July 2 009.

Craig, A


Craig, A and Mostert, E


De Moor, F and Barber-James, H


Goble, T and Hill, M

Hepburn, C and Hill, M

Heyns, E and Froneman, P

Hill, J
Levrero, F and Craig, A

Marshall, D.J

Martin, G.D and Coetzee, J.A

McQuaid, C.D


Paterson, I.D and Hill, M.P

Paterson, I.D, Downie, D.A and Hill, M.P

Richards, C.S, Villet, M.H and Price, B.W
Richoux,NB and McQuaid,CD

Schapira,M

Villet,MH, Richards,CS and Midgley,J M

Concerts/Exhibitions/Performances/Workshops/Events
Craig,AJ

Downie,DA

Pinchuck,SC and Hodgson,AN

International Visit
Hodgson,AN

Villet,MH

Villet,MH and Price,BW

Distinguished Visitors
Bentley,MG

Compton,S
Hill, KBR

Marshall, DC

Neumann, P