



RHODES UNIVERSITY
Where leaders learn

RESEARCH REPORT 2008



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PREFACE

This report outlines the extent and quality of our research outputs for 2008. Rhodes possesses an admirable research milieu and culture that provides the space for intellectual development, debate, and the flourishing of ideas. As the smallest university in South Africa, we take special pride in Rhodes University having amongst the highest per capita research outputs. One of the core goals of a university is to produce knowledge, a public responsibility that Rhodes takes very seriously, and we continuously seek new opportunities to do so.

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. During 2008, Rhodes launched three new centres. The DST/Mintek Nanotechnology Innovation Centre (Sensors) was founded under the directorship of Professor Tebello Nyokong; the Centre for Higher Education Research, Teaching & Learning, was formed out of a much expanded Academic Development Centre, under the leadership of the Dean of Teaching and Learning, Professor Chrissie Boughey; and the Centre for the Study of Democracy was launched under the leadership of Professor Stephen Friedman as a joint venture of Rhodes and the University of Johannesburg.

A second DST/NRF South African Research Chair was launched in the field of Marine Biology, with Professor Christopher McQuaid as its incumbent. Rhodes's first DST/NRF Chair, Professor Tebello Nyokong, in the area of Medicinal Chemistry and Nanotechnology, had an outstanding year, with accolades coming from a range of sources. She was officially recognized by the National Research Foundation as one of the most productive researchers in the country with 35 ISI indexed journal papers published during the year, an extraordinary achievement by anyone's standard, and with a large number of additional accredited outputs by her and her group during the year.

In the area of the creative arts, Mrs Janet Buckland of our Drama Department won special recognition as the recipient of the national Woman of the Year award promoted by Shopright-Checkers and SABC 2, in both the Arts and culture section and as the overall recipient. Professor Fackson Banda of our Journalism Department won the 2008 MISA (Media Institute of Southern Africa) Press Freedom Award. In the Geology Department, Professor Goonie Marsh was awarded the Geological Society of South Africa's highest scientific award, the Draper Memorial Medal, in recognition of his outstanding contribution to geological sciences in general, and particularly for his research work in the petrology of volcanic rocks and igneous provinces in South Africa.

The Vice-Chancellor's Distinguished Senior Research Award for 2008 went to Professor Peter Vale of the Department of Political and International Studies, for the national and international impact of his scholarly activities over a sustained period. The Vice-Chancellor's Book Award for 2008 went to Professor Dan Wylie of the Department of English, for *Myth of Iron - Shaka in History* (UKZN Press, 2008).

Rhodes postgraduates continue to excel in winning prestigious international and local scholarships, including the Rhodes (Oxford), Mandela Rhodes, Flanagan, Commonwealth, and Fulbright.

A major challenge facing South African Universities is the development of a new generation of teacher-scholars, one that Rhodes University has been engaging with for a number of years. We acknowledge the strong support of the Mellon Foundation, which has assisted us in creating a focused programme aimed at cultivating a new generation of black and women researchers, and in making a contribution towards transforming our academic body in the process. I am pleased to be able to announce that the Kresge Foundation has agreed to fund this initiative for a further four years.

I extend my congratulations and thanks to all of our researchers, collaborators, funders, donors, and partners who contributed to making 2008 a year in which research at Rhodes University flourished. Your expertise, dedication, rigour and generosity make Rhodes University the rich and distinctive intellectual space that it is.

Dr Saleem Badat
Vice-Chancellor

INTRODUCTION

Rhodes University maintained and improved its track record of research performance in 2008, in terms of both quality and quantity of outputs. It is particularly satisfying to note that this 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.

It is further satisfying to note the substantial year-on-year growth in accredited outputs from 2007 to 2008 of 20.3% at Rhodes University (from 274.38 units to 330.02 units) which is significantly above the 7.8% growth for the sector as a whole in the same period. Growth in research output is seldom linear, so a three year average might be regarded as a more steady state indicator – which for Rhodes shows a 30.6% growth (over the period 2005 to 2008) in relation to the national total growth of 15.5%.

Our journal output, (which accounts for 87% of our total accredited publishing output for higher education subsidy purposes) grew by 11.3% from 2007 to 2008 (from 258.68 units to 287.82 units). Big contributing factors here were a peak in contributions during 2008 by Prof Nyokong's highly productive group, and heightened productivity from several other prolific researchers.

Our output from accredited conference proceedings, (which in 2008 amounted to 10% of our total accredited publishing output) grew by 202% (from 11 units up to 33.22 units) from 2007 to 2008 – but from a small base where more year-on-year variance can be expected. A small contributing factor here was a slight increase in submissions, and a large contributing factor was a vastly improved rejection rate. The staff responsible for this process in the Research Office, and the researchers who made the submissions, are to be warmly congratulated for this improvement.

The book outputs (which in 2008 amounted to 3% of our total accredited publishing output) increased by 91% – again from a very small base (from 4.7 units up to 8.89 units), which had seen a negative growth in the preceding year, so the figures in this category cannot be taken to represent a trend.

I add my warm thanks and congratulations to all of our researchers, funders, collaborators and partners who contributed to the excellent research results of 2008. I also acknowledge and thank Professor John Duncan who retired early in 2008, for his enormous contributions to growing research at Rhodes University in his ten years as Dean of Research, and for remaining an active research role model during his term of office.

Dr Peter Clayton

Deputy Vice-Chancellor: Research and Development

Rhodes University acknowledges, congratulates, and thanks the following high achievers for their accredited research outputs in the 2008 academic year:

Prof Rose Boswell	Anthropology
Prof Greg Blatch	Biochemistry, Microbiology & Biotechnology
Prof Rosemary Dorrington	Biochemistry, Microbiology & Biotechnology
Prof Nigel Barker	Botany
Prof Tebello Nyokong	Chemistry
Prof Heila Lotz-Sisitka	Education
Prof Marc Schafer	Education
Prof Dan Wylie	English
Prof Charlie Shackleton	Environmental Science
Prof Kate Rowntree	Geography
Dr Andrew Todd	Human Kinetics & Ergonomics
Prof Chris Mann	Institute for the Study of English in Africa
Prof Laurence Wright	Institute for the Study of English in Africa
Prof Denis Hughes	Institute for Water Research
Prof Izzy Kanfer	Pharmacy
Prof Louise Vincent	Political & International Studies
Prof Dave Edwards	Psychology
Prof Christopher McQuaid	Zoology & Entomology
Prof Martin Hill	Zoology & Entomology
Prof Martin Villet	Zoology & Entomology
Prof William Froneman	Zoology & Entomology

ACCOUNTING

The Department of Accounting continued to develop its research profile in 2008. Lilla Stack continues to serve as Extraordinary Professor at the University of Pretoria and acts as supervisor to their staff members pursuing doctoral studies. Lilla is also responsible for the course in research methodology and design and the two research based postgraduate courses in the department. She continues to serve as a member of the Special Consumer Court and also sits on the Advisory Board to the Financial Services Board and the Board and Audit and Finance Committee of the Water Research Commission. Lilla and John Williams co-authored three chapters and John Williams one chapter of the book "Principles of Management Accounting – A South African Perspective". Lilla and John were contributors to the book "Principles of Management Accounting – The Question Book".

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

Lilla Stack, John Williams, Jenni Pretorius and Peta Bezuidenhout all presented papers at the Southern African Accounting Association (SAAA) national conference held at Emperor's Palace, Johannesburg from 25 – 27 June 2008. The eight papers presented by members of the Department represented the largest number of papers presented by one university, despite our department being one of the smallest Departments of Accountancy in South Africa. Peta Bezuidenhout also presented a paper at the 2008 Higher Education Social Scene conference in Grahamstown from 1 -3 December 2008.

Lilla Stack, Kevin Maree, Jonathan Lancaster, John Williams and Jenni Pretorius all served on the East Cape regional committee of the SAAA and Kevin Maree served on the National Committee.

In 2008 the Department graduated the following:

2 Masters in Taxation

23 Postgraduate Diploma in Accounting

23 Postgraduate Diploma in Taxation (5 with distinction)

1 BCom Honours in Financial Accounting

PROFESSOR JOHN WILLIAMS
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Stack,L and Williams,J

Cairney,C, Chivaka,R, Fourie,H, Mohammadali Haji,A, Pienaar,A, Roos,S, *Stack,L*, Swartz,G and *Williams,J*. "Principles of management accounting: a South African perspective". Oxford University Press Southern Africa (Pty) Ltd. Cape Town. First Edition. 2008. 77 – 102; 197-272. ISBN: 978-0-19-576263-1.

Wood,N, Skae,O, *Stack,L* and *Williams,J*. "Principles of Management Accounting: the Question Book". Oxford University Press Southern Africa (Pty) Ltd. Cape Town. First Edition. 2008. 19 – 44; 127-134. ISBN: 978-0-19-598637-2.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Bezuidenhout,LP

Bezuidenhout,LP. "Using assessment and reflexive teaching practices to inform and guide changes to the teaching and learning activities of introductory accounting". *Southern African Accounting Association Conference*. Emperors Palace, Johannesburg. South Africa. June 2008.

Bezuidenhout,LP. "Creating a virtual classroom: using online discussion forums to increase teaching and learning activities in an introductory accounting class". *Higher Education Social Scene (HESS) (Joint HELTASA/SAARDHE) Conference*. Rhodes University, Grahamstown. South Africa. December 2008.

Foster,R and Stack,L

Foster,R and Stack,L. "An investigation into the time-saving benefits of using a computerised taxation program". *Southern African Accounting Association Conference*. Emperors Palace, Johannesburg. South Africa. June 2008.

Pretorius,J

Pretorius,J. "The deferred taxation implications of inter-company sales of inventory (or trading stock) when section 45 of the income tax act is elected: a work in progress". *Southern African Accounting Association Conference*. Emperors Palace, Johannesburg. South Africa. June 2008.

Pretorius,J. "The taxation implications of intra-group sales of trading stock". *Southern African Accounting Association Conference*. Emperors Palace, Johannesburg. South Africa. June 2008.

Stack,L

Stack,L. "Reflections on the supervision of postgraduate research in accounting departments". *Southern African Accounting Association Conference*. Emperors Palace, Johannesburg. South Africa. June 2008.

Stelloh,M and Stack,L

Stelloh,M and Stack,L. "Taxation and electronic commerce". *Southern African Accounting Association Conference*. Emperors Palace, Johannesburg. South Africa. June 2008.

Williams,J

Williams,J and Dube,S. "Teaching ethics as a separate specialised course - an exploratory investigation at a South African university". *Southern African Accounting Association Conference*. Emperors Palace, Johannesburg. South Africa. June 2008.

DISTINGUISHED VISITORS

Lester,M

Professor M Lester. Rhodes University, South Africa. Business Forum Presentation. May 2008.

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Stack	Bunting	M	0.5
Stack	Mtshawulana	M	0.5
TOTAL			1.0

ANTHROPOLOGY

Professor *Robin Palmer*, Head of Department, devoted most of his research time in 2008 to two stints of fieldwork and much advisory involvement in a baseline study for the Siyakhula Living Lab project. The SLL is a pathbreaker in its field, an initiative of the Computer Science departments at Rhodes and Fort Hare partly funded by Telkom and the Finnish government. The only output thus far was a paper Palmer read at the annual conference of his professional association, *Anthropology Southern Africa*, in August to which he escorted three of his department's postgraduate students who also read papers. The paper was entitled: 'Addressing the 'Digital Divide' at Dwesa: The Anthropologist and the 'Living Lab.' A master's student he supervised, Leigh Hildyard, graduated in April. He continued to be External Examiner for anthropology departments at two universities: University of Pretoria and University of Johannesburg.

Professor *Chris de Wet* chaired a session and presented a paper at the Society for Applied Anthropology Annual Conference in Memphis, USA, in March. A fuller version of his paper will appear as "The Ambiguities of Using Restitution as a Vehicle for Development: an Eastern Cape Case Study", in A.Bohlin, R.Hall, T.Kepe, and C.Walker (eds). *Land, Memory, Reconstruction and Justice: Perspectives on Land Restitution in South Africa*. Athens, Ohio: Ohio University Press. In May he was involved in a Teach In on "Rethinking the African Diaspora", which was hosted on Rhodes campus by the Anthropology Department and the International Office. Speakers were from India, the USA, Wits and the Rhodes Anthropology Department. De Wet was the principal organiser of the event.

In June, Prof de Wet read a paper at the Monica Wilson Centenary Conference on the Hogsback. Participants came from the UK and the USA, as well as from South Africa. A reworked version of the paper, entitled "Continuity and Change over Sixty Years at Household Level in a Rural South African Village" is in press in *Africa Review* (Delhi), to appear in June 2009. On sabbatical in the second semester, he represented South Africa at the Second IBSA Academic Seminar in Florianopolis, Brazil, in August making a presentation on Sustainable Development. In the same month, together with Mr Greg Huggins a development consultant, he held a week-long training workshop on "How to Achieve Better Resettlement Outcomes in Development Projects", which was attended by 22 delegates from southern Africa.

Prof de Wet spent September and October in The Netherlands, based at the University of Wageningen, doing research and working through his field data to develop a framework for a book based on his research in the Keiskammahoek District. In December he went to New Zealand to read a paper at the annual conference of the Association of Anthropologists of the Commonwealth. The paper was entitled "State Interventions and Local Responses: Changing Local Evaluations of Land over Time in a South African Rural Settlement."

Dr *Rose Boswell* (promoted during the year to Associate Professor) had one book and five papers published in 2008. Her sole-authored book on heritage management was published by CODESRIA (Dakar) and she had a further three sole-authored papers published in SAPSE accredited journals. Dr Boswell presented papers at two international conferences, one in Mauritius and another in Portugal. She was invited as part of a team of four international experts to present papers on diaspora issues at the Rhodes University African Diaspora Teach-in. In terms of research awards, Boswell was awarded a postdoctoral grant by the Organisation for Social Science Research in Eastern and Southern Africa (OSSREA), to do research on tourism and women's cultural heritage in Zanzibar and Comoros Islands. She supervised two Masters degree students, one of whom submitted her thesis in January 2009. Beyond these outputs, in 2008 she has: worked as an external examiner for two universities (University of Cape Town and Walter Sisulu University), become the co-editor of the *Journal of Contemporary African Studies*, completed the Rhodes Certificate in Strategic Management and CASRA's Monitoring and Evaluation Course for Programme Managers. Boswell wrote a cultural heritage management plan (CHMP) for the Integrated Resorts Scheme at Corniche Bay in Mauritius, represented the Anthropology Department at two university wide meetings, one convened by the American Council of Learned Societies (ACLS) and the other by representatives from Jinan University, China. She spent part of 2008 upgrading and managing the departmental website and setting up in-house art and material culture displays.

Penny Bernard continued to spend most of her time spare from teaching on writing her Ph.D. She had sabbatical leave in the first semester that allowed her to make good progress with the task and by the end of the year the project was almost ready. Otherwise, she published a chapter based on the central concern of her thesis in *Deep Blue*:

Critical Reflections on Nature, Religion and Water. In January she attended the 2nd International Conference of the International Society for the Study of Religion, Nature and Culture in Mexico.

Ms *Joy Owen* devoted most of her research time to her Ph.D. She presented the paper 'Suspending disbelief, anxiety and doubt -- Engaged, Intuitive and Embodied Teaching in Anthropology' at the conference 'Higher Education as a Social Space', held at Rhodes University in December.

Mr *Detlev Krige*, a third doctoral candidate on the staff, advanced his thesis almost to completion in 2008. In October he read a paper in the Departmental Seminar Series at the University of KwaZulu Natal, Durban entitled: "Looking at inequality, identity and social differentiation through the drinking glass: An ethnography of men and beer drinking in contemporary Soweto". In December he presented a paper in Tokyo. He also reviewed the book: *Informal Settlements: A Perpetual Challenge?* Edited by Marie Huchzermeyer & Aly Karam (Juta Academic, 2007) for H-SAfrica (November, 2008) [<http://www.hnet.org/reviews/showpdf.php?id=22930>].

PROFESSOR ROBIN PALMER
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Bernard,PS

Bernard,PS. "The fertility goddess of the Zulu: reflections on a calling to Inkosazana's pool". In: *Deep blue: critical reflections on nature, religion and water*. Equinox. London & Oakville. First Edition. 2008. 49-65. ISBN: 13-978-1-84553-255-0.

Boswell,MJR

Boswell,MJR. "Challenges to identifying and managing intangible cultural heritage in Mauritius, Zanzibar and Seychelles". CODESRIA. Dakar. First Edition. 2008. 1-93. ISBN: 978-2-86978-215-0.

Boswell,MJR. "Zanzibar and the southwest Indian ocean in the African diaspora". In: *Encyclopaedia of the African diaspora: origins, cultures, experience*. ABC-CLIO. Santa Barbara California. First Edition. 2008. 2, 666-671. ISBN: 1851097007.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Ainslie,A

Davis,JK, *Ainslie,A* and Finca,A. "Coming to grips with 'abandoned arable' land in efforts to enhance communal grazing systems in the Eastern Cape Province, South Africa". *African Journal of Range and Forage Science*. 2008. 25(2),55-61.

Boswell,MJR

Boswell,MJR. "Integrating leisure: the case of an integrated resort scheme in Mauritius". *Africa Insight*. 2008. 38(1),146-159.

Boswell,MJR. "Sexual practices and sensual pleasures in Zanzibar". *Anthropology Southern Africa*. 2008. 31(1&2),70-84.

Boswell,MJR. "Scents of identity: fragrance as heritage in Zanzibar". *Journal of Contemporary African Studies*. 2008. 26(3),295-311.

De Wet,CJ

De Wet,CJ. "Reconsidering displacement in Southern Africa". *Anthropology Southern Africa*. 2008. 31(3&4),114-122.

Krige,PFD

Krige,PFD. "Indigenous knowledge systems or practical everyday performances? A theoretical reconsideration of indigenous knowledge in anthropology and development studies". *Ikamva Journal of Social Sciences and Humanities*. 2008. 1(2),21-50.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****De Wet,CJ**

De Wet,CJ. "Where are they now? Continuity and change over sixty years at household level in Keiskammahoek village". *Monica Wilson Centenary Conference*. Hunterstoun Lodge, Hogsback. South Africa. June 2008.

Owen,JN

Owen,JN. "Suspending disbelief, anxiety and doubt - engaged, intuitive and embodied teaching in anthropology". *Higher Education as a Social Space*. Rhodes University, Grahamstown. South Africa. December 2008.

Palmer,RCG

Palmer,RCG. "Addressing the 'digital divide' at Dwesa: the anthropologist and the 'living lab'". *Anthropology Southern Africa 2008 Annual Conference*. University of the Western Cape, Cape Town. South Africa. August 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Bernard,PS**

Bernard,PS. "Paper & abstract: ecosensitivity, ethics and exchange. Animal sacrifice in contemporary South Africa". *2nd International Conference of the International Society for the Study of Religion, Nature and Culture*. Conference Hotel Fiesta Inn, Morelia. Mexico. January 2008.

Boswell,MJR

Boswell,MJR. "Finding our brothers: creole identity in Mauritius and Zanzibar". *African Diaspora and Creolité: Convergences and Divergences*. University of Mauritius, Reduit. Mauritius. February 2008. 1-10.

Boswell,MJR. "Marketing heritage and making memory in Mauritius, the case of Le Morne". *World Heritage and Sustainable Development, Heritage 2008 International Conference*. Vila Nova de Foz Coa, Barcelos. Portugal. May 2008. 1. 61-72.

De Wet,CJ

De Wet,CJ. "Policy as a two-edged sword - restitution after resettlement". *Society for Applied Anthropology 2008 Annual Meeting*. Marriot Hotel, Memphis. United States of America. March 2008.

De Wet,CJ. "Chair: resettlement policies and the ethics of compensation". *Society for Applied Anthropology 2008 Annual Meeting*. Marriot Hotel, Memphis. United States of America. March 2008.

De Wet,CJ. "Suggested project for co-operation between IBSA countries on the theme area of sustainable development". *II Academic Seminar on IBSA Education*. Florianopolis Hotel, Santa Catarina State. Brazil. August 2008.

De Wet,CJ. "State interventions and local responses: changing local evaluations of land in a South African rural settlement". *2008 Conference of the Association of Social Anthropologists of the UK and Commonwealth*. University of Auckland, Auckland. New Zealand. December 2008.

Krige,PFD

Krige,PFD. "Increased inequality and marginalisation in contemporary Soweto and Johannesburg". *ISA-RC21 Tokyo Conference: Landscapes of Global Urbanism. Power, Marginality, and Creativity*. Tokyo. Japan. December 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Boswell,MJR**

Boswell,MJR. Curator. "*Diverse freedoms*". Anthropology Department. Grahamstown, South Africa. 24 - 26 April 2008.

INTERNATIONAL VISIT**De Wet,CJ**

De Wet,CJ. Institute of Social Studies, The Hague, The Netherlands. To discuss own ongoing research with a specialist in the field, particularly as it relates to development ethics. 7 September - 4 November 2008.

De Wet,CJ. Department of Rural Sociology, University of Wagenigen, The Netherlands. Theoretical and general reading and discussion with colleagues around own empirical research, conceptualisation and initial writing towards working my material into book form. 7 September - 4 November 2008.

De Wet, CJ. University of the Witwatersrand, Johannesburg, South Africa. Keynote speaker at the 'Teach-in week on rethinking the African diaspora'. May 2008.

De Wet, CJ. Jawaharlal Nehru University, New Delhi, India. Keynote speaker at 'Teach-in week on rethinking the African diaspora'. May 2008.

De Wet, CJ. University of Illinois, Illinois, United States of America. Keynote speaker in 'Teach-in week on rethinking the African diaspora'. May 2008.

JOURNAL SUBSIDY UNITS	UNITS
Ainslie,A	
Davis,JK, <i>Ainslie,A</i> and Finca,A. "Coming to grips with 'abandoned arable' land in efforts to enhance communal grazing systems in the Eastern Cape province, South Africa". <i>African Journal of Range and Forage Science</i> . 2008. 25(2),55-61.	0.34
Boswell,MJR	
<i>Boswell,MJR</i> . "Integrating leisure: the case of an integrated resort scheme in Mauritius". <i>Africa Insight</i> . 2008. 38(1),146-159.	1.00
<i>Boswell,MJR</i> . "Sexual practices and sensual pleasures in Zanzibar". <i>Anthropology Southern Africa</i> . 2008. 31(1&2),70-84.	1.00
<i>Boswell,MJR</i> . "Scents of identity: fragrance as heritage in Zanzibar". <i>Journal of Contemporary African Studies</i> . 2008. 26(3),295-311.	1.00
De Wet,CJ	
<i>De Wet,CJ</i> . "Reconsidering displacement in southern Africa". <i>Anthropology Southern Africa</i> . 2008. 31(3&4),114-122.	1.00
TOTAL	4.34

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Boswell	Barbali	M	1.0
TOTAL			1.0

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
World heritage and Sustainable development	Marketing heritage and making memory in Mauritius: a further discussion of the Le Morne case	Boswell R

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Challenges to identifying and managing intangible cultural heritage in Mauritius and Zanzibar and Seychelles	Whole book	Boswell, MJR
Deep blue: critical reflections on nature, religion and water	The fertility goddess of the Zulu: reflections on a calling to Inkosaz	Bernard, PS

BIOCHEMISTRY, MICROBIOLOGY & BIOTECHNOLOGY

The year started on a high note with the department hosting the Bio-08 Conference (21-25 January), with more than 700 delegates from academia, industry and the public sector, the largest national conference of the decade. The meeting involved the South African Society of Biochemistry and Molecular Biology (SASBMB), South African Society of Microbiology (SASM) and Biotech SA. Prof Rosemary Dorrington, Dr Brett Pletschke, Dr Jo Burgess and Dr Jo Dames formed the core of the organizing committee working with colleagues from NMMU and the University of Fort Hare. They hosted this conference in the 1820 Settlers' Monument. There was a strong contingent of staff and students from the department presenting posters and talks. Fifteen top international scientists presented their research during the conference. Notably, Professor Thomas Wileman was hosted by Dr Caroline Knox, and delivered a plenary lecture at the conference. Professor Wileman holds a Chair of Virology at the University of East Anglia, and during his visit he spent valuable time discussing his collaborative research with Dr Knox.

The department made a major impact at graduation when they recorded 17 Honours, 9 Masters and an unprecedented 11 PhD graduates. Furthermore, Dr Jo Burgess was awarded the Vice Chancellor's Distinguished Research Award at the science graduation. Staff across all three disciplines continue to be actively engaged in research with strengths in agricultural and conservation biotechnology (Dr Dames, and Dr Wilhelmi), nano-biotechnology (Dr Limson), environmental enzymology (Dr Pletschke, and Prof Whiteley) and human and animal health (Prof Blatch, Prof Dorrington, Dr Boshoff, Dr Knox and Dr Wilhelmi).

The department continues to have strong research collaborations with the Department of Chemistry through the National Research Foundation (NRF) Research Niche Area in Biomolecular Interactions (Prof Kaye), the Nanotechnology Innovation Centre (Prof Nyokong) and the Centre for Chemico- and Biomedical Research (Prof Davies-Coleman, Prof Kaye, and Prof Nyokong). There are also ongoing research collaborations with the Environmental Biotechnology Rhodes University Institute (EBRU; Prof Cowan), and staff in the Departments of Zoology and Entomology (Prof Hill), Statistics (Prof Jäger) and Pharmacy (Dr Beukes).

The department hosted Professor Kazuo Sakka and Dr Makiko Sakka from the Graduate School of Bioresources at Mie University, Tsu, Japan. These visits were part of a two-year collaborative NRF-JSPS (Japanese Society for the Promotion of Science) funded programme between Dr Brett Pletschke and Prof Sakka at Mie University. Dr Pletschke and PhD student Ms Susan van Dyk also presented papers at the MIE Bioforum 2008 conference (September, Japan). Dr Pletschke is well established in the field of cellulosome and biofuels research, and was successfully rated as a scientist through the NRF system of peer-review. Professor Chris Whiteley was also successfully rated by the NRF, and continued with his research collaboration with South China University of Technology jointly sponsored by the NRF and the Chinese Academy of Sciences. Two Chinese MSc students, Deng Qing Yi and Song Yan from the School of Biosciences and Bioengineering, spent 3 months working with him and Dr Aileen Boshoff. Prof Whiteley was an invited speaker at a training workshop for Environmental Engineers held by the National Taiwan University in Taipei in September. He was also an invited speaker at a specialist meeting on Sulphur Biotechnology, sponsored by the Royal Society of Chemistry and Shell (November, UK).

Professor Blatch's research laboratory was recognized by Rhodes University as a research unit, and named the Biomedical Biotechnology Research Unit (BioBRU). Members of BioBRU presented their research at international conferences and conducted research visits to international institutions. Notably, Ms Botha (PhD student) was awarded the IUBMB Wood-Whelan Travel Award to spend three months in the laboratory of Prof Jeffrey Brodsky (University of Pittsburgh, USA). Prof Blatch and Dr Addmore Shonhai were invited by the DFG (Germany) to prepare a full DFG project grant for submission to the German-African Cooperation Projects in Infectology Programme. They travelled to Germany to meet and write with their collaborators Prof Klaus Lingelbach and Dr Jude Pryzborski (University of Marburg). Prof Blatch was awarded the SASBMB Gold Medal for 2008 in recognition for his contribution to the discipline of biochemistry, and he was invited to present a plenary lecture at the Bio-08 conference. He was also elected a Fellow of the Royal Society of South Africa.

As in previous years, a number of workshops were held throughout the year. In particular, Dr Limson ran a regional QCMD Workshop, Prof Dorrington held a number of regional Confocal Microscopy Workshops for beginners and advanced users, and Prof Blatch ran an NBN-funded regional Bioinformatics Workshop. The year ended as it had started, on a high note, when we received the good news of the success of Prof Dorrington's application to the NRF

Equipment Programme for an upgrade of the confocal microscope. We can look forward in 2009 to having a confocal microscope with live-imaging capacity, which opens numerous avenues for exciting novel experiments.

PROFESSOR ROSIE DORRINGTON
HEAD OF DEPARTMENT AND DEPUTY DEAN OF SCIENCE

BOOKS/CHAPTERS/MONOGRAPHS

Blatch, GL

Zimmermann, R and Blatch, GL. "Chaperones". In: *Encyclopedia of Molecular Pharmacology*. Springer. Berlin. Second Edition. 2008. 347-351. ISBN: 978-3-540-38921-7.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

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Beukes, N, Chan, H, Doi, RH and Pletschke, BI. "Synergistic associations between *Clostridium cellulovorans* enzymes XynA, ManA and EngE against sugarcane bagasse". *Enzyme and Microbial Technology*. 2008. 42(6), 492-498.

Blatch, GL and Daniel, S

Gordon, AK, Blatch, GL, Daniel, S and Muller, WJ. "Stress protein responses in South African freshwater invertebrates exposed to detergent surfactant linear alkylbenzene sulfonate (LAS)". *Water Air and Soil Pollution*. 2008. 193, 123-130.

Blatch, GL and Stephens, LL

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Boshoff, A, Stephens, LL and Blatch, GL

Boshoff, A, Stephens, LL and Blatch, GL. "The *Agrobacterium tumefaciens* DnaK: ATPase cycle, oligomeric state and chaperone properties". *International Journal of Biochemistry and Cell Biology*. 2008. 40, 804-812.

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Burgess, JE and Pletschke, BI. "Hydrolytic enzymes in sewage sludge treatment: a mini-review". *Water SA*. 2008. 34(3), 343-349.

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Dairam, A, Fogel, R, Daya, S and Limson, JL. "Antioxidant and iron-binding properties of curcumin, capsaicin, and S-allylcysteine reduce oxidative stress in rat brain homogenate". *Journal of Agricultural and Food Chemistry*. 2008. 56(9), 3350-3356.

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Daniel, S, Bradley, G, Longshaw, VM, Söti, C, Csermely, P and Blatch, GL. "Nuclear translocation of the phosphoprotein Hop (Hsp70/Hsp90 organizing protein) occurs under heat shock, and its proposed nuclear localization signal is involved in Hsp90 binding". *Biochimica et Biophysica Acta*. 2008. 1783, 1003-1014.

Hawley, GL and Dames, JF

Hawley, GL, Taylor, AFS and Dames, JF. "Ectomycorrhizas in association with *Pinus patula* in Sabie, South Africa". *South African Journal of Science*. 2008. 104(7/8), 273-283.

Igbinige, EE, Atkins, S, van Breugel, Y, van Dyke, S and Rose, PD

Igbinige, EE, Atkins, S, van Breugel, Y, van Dyke, S, Davies-Coleman, MT and Rose, PD. "Fungal biodegradation of hard coal by a newly reported isolate *Neosartorya fischeri*". *Biotechnology Journal*. 2008. 3, 1407-1416.

Jiwaji, M, Matcher, GF and Dorrington, RA

Jiwaji, M, Matcher, GF and Dorrington, RA. "A versatile broad host range reporter plasmid for analysis of divergent promoter regions". *South African Journal of Science*. 2008. 104(7/8), 305-307.

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Mack, CL, Wilhelmi, BS, Duncan, JR and Burgess, JE. "A kinetic study of the recovery of platinum ions from an artificial aqueous solution by immobilized *Saccharomyces cerevisiae* biomass". *Minerals Engineering*. 2008. 21, 31-37.

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Moore, BA, Duncan, JR and Burgess, JE

Moore, BA, Duncan, JR and Burgess, JE. "Fungal bioaccumulation of copper, nickel, gold and platinum". *Minerals Engineering*. 2008. 21, 55-60.

Mutanda, T, Wilhelmi, BS and Whiteley, CG

Mutanda, T, Wilhelmi, BS and Whiteley, CG. "Response surface methodology: synthesis of inulooligosaccharides with an endoinulinase from *Aspergillus niger*". *Enzyme and Microbial Technology*. 2008. 43(4-5), 362-368.

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Pletschke, BI

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Rashamuse, KJ, Mutambanengwe, CCZ and Whiteley, CG. "Enzymatic recovery of platinum (IV) from industrial wastewater using a biosulphidogenic hydrogenase". *African Journal of Biotechnology*. 2008. 7(8), 1087-1095.

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Southgate, G, Schubert, M and Daya, S. "Melatonin protects against glutamate receptor agonists in neuronal cultures". *Annals of Neuroscience*. 2008. 15, 1-5.

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Togo,CA and Limson,JL

Geraldo,DA, Togo,CA, Limson,JL and Nyokong,T. "Electrooxidation of hydrazine catalyzed by noncovalently functionalized single-walled carbon nanotubes with CoPc". *Electrochimica Acta*. 2008. 53(27),8051-8057.

Khene,S, Geraldo,DA, Togo,CA, Limson,JL and Nyokong,T. "Synthesis, electrochemical characterization of tetra- and octa-substituted dodecyl-mercapto tin phthalocyanines in solution and as self assembled monolayers". *Electrochimica Acta*. 2008. 54,183-191.

Togo,CA, Mutambanengwe,CCZ and Whiteley,CG

Togo,CA, Mutambanengwe,CCZ and Whiteley,CG. "Decolourisation and degradation of textile dyes using a sulphate reducing bacteria (SRB)-biodigester microflora co-culture". *African Journal of Biotechnology*. 2008. 7(2),114-121.

Walter,CT, Tomasicchio,M, Hodgson,V and Dorrington,RA

Walter,CT, Tomasicchio,M, Hodgson,V, Hendry,DA, Hill,MP and Dorrington,RA. "Characterization of a succession of small insect viruses in a wild South African population of *Nudaurelia cytherea capensis* (Lepidoptera: saturniidae)". *South African Journal of Science*. 2008. 104,147-152.

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Li,W, Yang,B, Liang,S, Wang,Y, Whiteley,CG, Cao,Y and Wang,X. "BLogo: a tool for visualisation of bias in biological sequences". *Bioinformatics*. 2008. 24(19),2254-2255.

OTHER PUBLICATIONS**Pletschke,B, Togo,CA, Wutor,V and Limson,JL**

Pletschke,B, Togo,CA, Wutor,V and Limson,JL. "On-line real-time enzymatic biosensor system for the rapid detection of faecal contamination of water intended for drinking purposes". In: *Report*. Pletschke,B, Togo,CA, Wutor,V and Limson, JL (eds) Water Research Commission. South Africa. 2008. 1603/1/08, 1-29. ISBN: 978-1-77005-670-1.

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Rose,PD, Leukes,W, Lok,G, Naidoo,S, Lok,D and Whittington-Jones,KJ. "Development of a knowledge management system for operation of the Algal Integrated Ponding System (AIPS)". In: *Water Research Commission, Project Report*. Whittington-Jones, KJ (Ed) n/a. South Africa. 2008. 1-10.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)**i. Local Conferences****Abboo,S and Pletschke,BI**

Abboo,S and Pletschke,BI. "Phenolic compounds in water and the implications for rapid detection of indicator microorganisms using B-D-GAL and B-D-GUD". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Abboo,S and Pletschke,BI. "Rapid detection of indicator micro-organisms using β -d-galactosidase and β -d-glucuronidase in water and the potential for interference by phenolic compounds". *WISA Conference 2008: the confluence of the water industry*. Sun City, Rustenburg. South Africa. May 2008.

Adeleke,RA and Dames,JF

Adeleke,RA and Dames,JF. "Potential mycorrhizal helper bacteria associated with the ascocarp of *Kalaharituber pfeilii*". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Beukes,N and Pletschke,BI

Beukes,N and Pletschke,BI. "Synergistic effects of EngE, ManA and XynA on the degradation of plant biomass". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Blatch,GL

Blatch,GL. "In acknowledgement of chaperones: from molecules to people". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Blatch,GL, Kaye,PT, Klein,RA, Lee,Y-C, Lobb,KA, Molefe,DM, Rashamuse,TJ and Tukulula,M. "Design and synthesis of novel HIV-1 protease and integrase inhibitors". *BOCC'08 Bi-national Organic Chemistry Conference*. Kruger National Park. South Africa. September 2008.

Blatch,GL, Goble,JL and Stephens,LL

Blatch,GL, Conibear,A, Goble,JL, Gxoyiya,B, Kaye,PT, Kenyon,C, Klein,R, Lobb,KA, Mutorwa,M, Salisu,S, Truscott,B and Stephens,LL. "Enzyme-inhibition strategies in the development of novel anti-malarial and anti-tuberculosis drugs". *BOCC'08 Bi-national Organic Chemistry Conference*. Kruger National Park. South Africa. September 2008.

Bodill,TL, Pesce,E-R and Blatch,GL

Bodill,TL, Pesce,E-R and Blatch,GL. "Molecular and cellular characterization of a malarial Hsp40 exported to the infected erythrocyte cytosol". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Botha,M and Blatch,GL

Botha,M, Hoppe,H and Blatch,GL. "Hp40 proteins of *Plasmodium falciparum*: understanding how the malaria parasite harnesses its chaperone power". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

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

Brand,JM, Bulani SI,SI, Kgopa,AH and Wilhelmi,BS. "Antioxidant activity of black rhinoceros browse". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Brimecombe,RD and Limson,JL

Brimecombe,RD and Limson,JL. "The design of continuous electrochemical sensing systems based on the properties of carbon nanotubes and C60 fullerenes for the detection and quantification of aniline derivatives in textile and tannery effluent ". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

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

Bulani,SI, Kgopa,AH, Yasvoin,T, Brand,JM and Wilhelmi,BS. "Molecular analysis of black rhinoceros dung". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

de la Mare,JA, Jiwaji,M, Dorrington,RA and Matcher,GF

de la Mare,JA, Jiwaji,M, Dorrington,RA and Matcher,GF. "Understanding the complexity of pseudomonad metabolic regulatory systems: an investigation into the regulation of hydantoin-hydrolysis in *Pseudomonas putida* RU-KM3s". *Congress of the South African Society for Microbiology*. 1820 Settlers Monumnet, Grahamstown. South Africa. January 2008.

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Flanagan,SP and Limson,JL. "Development of an electrochemical sensor for the detection of Ochratoxin A". *Electrochem SA. First International Symposium on electrochemistry*. University of the Western Cape, Cape Town. South Africa. January 2008.

Fogel,R and Limson,JL

Fogel,R and Limson,JL. "Assessing the use of multiple-pulse chronoamperometry for application with laccase-based biosensors: increasing the specificity of response of a laccase-based biosensor in multi-substrate matrixes ". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Frith,K-A and Limson,JL

Frith,K-A and Limson,JL. "The modification of a glassy carbon electrode (gce) with Nafion® for improved sensitivity and selectivity of a desired analyte". *BIO-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

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Gentz,PM, Blatch,GL and Dorrington,RA

Gentz,PM, Blatch,GL and Dorrington,RA. "RNA is required for the dimerisation of yeast eukaryotic translation initiation factor 5A". *Congress of the South African Society for Biochemistry and Molecular Biology*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Goble,JL, Shonhai,A, Stephens,LL and Blatch,GL

Goble,JL, Shonhai,A, Stephens,LL and Blatch,GL. "Heterologous production and purification of the malarial drug target PfDXR using the malarial molecular chaperone PfHsp70". *Bio-08 Conference*. Grahamstown Monument, Grahamstown. South Africa. January 2008.

Govender,Y and Whiteley,CG

Govender,Y and Whiteley,CG. "Platinum nanoparticle formation using a hydrogenase isolated from *Fusarium oxysporum*". *Bio08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Ike-Izundu,N and Dames,JF

Ike-Izundu,N and Dames,JF. "Interaction between arbuscular mycorrhizal fungi and soil microbial populations in the rhizosphere". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Jiwaji,M and Dorrington,RA

Jiwaji,M and Dorrington,RA. "Agrobacterium hydantoin-hydrolyzing enzymes: industrial dynamos from metabolic dinosaurs". *Congress of the South African Society for Microbiology*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Lawson,JC, Pesce,E-R and Blatch,GL

Lawson,JC, Pesce,E-R and Blatch,GL. "Analysis of the J domain of a type IV Hsp40 chaperone of the malaria parasite *Plasmodium falciparum*". *Bio-08 Conference*. Grahamstown Monument, Grahamstown. South Africa. January 2008.

Limson,JL

Limson,JL. "Scope of biosensor technology in the biosciences". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Limson,JL. "Probing biomolecular interactions for enhanced sensor stability". *ElectrochemSA. First International Symposium on Electrochemistry*. University of the Western Cape, Cape Town. South Africa. July 2008.

Longshaw,VM, Setati,MM and Blatch,GL

Longshaw,VM, Baxter,M, Setati,MM, Murray,P, Edgar,D and Blatch,GL. "The effect of RNAi-mediated knockdown of the co-chaperone Hop on the pluripotency of murine embryonic stem cells". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Louw,CA and Blatch,GL

Louw,CA and Blatch,GL. "Expression and characterization of two type III and one type IV Hsp40 proteins from the African sleeping sickness parasite *Trypanosoma brucei*". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Mafuma,TS

Vine,NG, Mafuma,TS, Dames,JF and Britz,PJ. "The development of an immunostimulant/probiotic diet for abalone (*Haliotis midae*)". *South African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008.

Mukasa-Mugerwa,TT and Dames,JF

Mukasa-Mugerwa,TT, Dames,JF and Rose,PD. "The role of arbuscular mycorrhizal fungi and rhizospheric microorganisms in coal dump rehabilitation". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Mutanda,T, Wilhelmi,BS and Whiteley,CG

Mutanda,T, Wilhelmi,BS and Whiteley,CG. "Enzymatic hydrolysis of chicory inulin for the production of novel short chain inulooligosaccharides and fructose". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Nemukula,A and Whiteley,CG

Nemukula,A and Whiteley,CG. "Isolation, purification and partial purification of a fructosyltransferase from *Aspergillus niger*". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Nikolic,D, Dames,JF and Hawley,GL

Nikolic,D, Dames,JF and Hawley,GL. "Mycorrhization helper bacteria isolated from ectomycorrhizal fungi in South Africa". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Nikolic,D, Dames,JF and Hawley,GL. "Inhibition of *Fusarium circinatum* by a potential mycorrhization helper bacterial strain". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Niland,MJ and Limson,JL

Niland,MJ and Limson,JL. "Electrochemical biosensor for aflatoxin B1". *Electrochem SA. First International Symposium on electrochemistry*. University of the Western Cape, Cape Town. South Africa. January 2008.

Prinsloo,E and Blatch,GL

Prinsloo,E and Blatch,GL. "Characterization of the molecular determinants governing the interaction between STAT3 and Hsp90 in mouse embryonic stem cells". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Riddin,TL and Whiteley,CG

Riddin,TL and Whiteley,CG. "Role of sulphate reducing bacteria in platinum nanoparticle synthesis". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Rose,PD

Mukasa-Mugerwa,TT, Dames,JF and Rose,PD. "The role of arbuscular mycorrhizal fungi and rhizospheric microorganisms in coal dump rehabilitation". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Seobi,T and Dames,JF

Seobi,T and Dames,JF. "Glomalin in soils from Lichtenburg, North West Province". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Setati,MM, Longshaw,VM and Blatch,GL

Setati,MM, Longshaw,VM, Murray,P, Edgar,D and Blatch,GL. "The potential role of Hsp90-STAT3 interactions in maintaining the self-renewal of mouse embryonic stem cells". *Bio-08 Conference*. Grahamstown Monument, Grahamstown. South Africa. January 2008.

Short,JR, Knox,C and Dorrington,RA

Short,JR, Knox,C and Dorrington,RA. "Identification of the regions of the *Helicoverpa armigera* stunt virus replicase required for localisation to intracellular membranes in mammalian tissue culture". *Congress of the South African Society for Microbiology*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Togo,CA and Whiteley,CG

Togo,CA and Whiteley,CG. "One-pot decolourisation and degradation of textile azo dyes". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

Van Dyk,JS and Pletschke,BI

Van Dyk,JS and Pletschke,BI. "Isolation of a large multi-protein complex from *Clostridium beijerinckii* sLM01 and the effect of pH, temperature and thiols on xylanase activity". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

White,C, Dames,JF and Hawley,GL

White,C, Dames,JF and Hawley,GL. "Monitoring of potential plant pathogens associated with rose geranium in the Eastern Cape, South Africa". *Bio-08 Conference*. 1820 Settlers Monument, Grahamstown. South Africa. January 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

ii. International Conferences

Botha,M and Blatch,GL

Botha,M, Hoppe,H and Blatch,GL. "The Hsp40 proteins of *Plasmodium falciparum*". *IUBMB Advanced Course on the Molecular and Cellular Basis of Infection*. Hermanus, Hermanus. South Africa. March 2008.

Botha,M, Hoppe,H and Blatch,GL. "The Hsp40 proteins of *Plasmodium falciparum*: exploiting chaperone power in the malaria parasite and infected human erythrocyte". *CSHL Meeting on Molecular Chaperones and Stress Responses*. Cold Spring Harbour Laboratory, Cold Spring Harbour. United States of America. May 2008.

Botha,M, Shonhai,A, Pesce,E-R, Bodill,TL, Lawson,JC, Nicoll,WS and Blatch,GL

Botha,M, Shonhai,A, Pesce,E-R, Bodill,TL, Lawson,JC, Nicoll,WS and Blatch,GL. "Re-booting a cell: *Plasmodium falciparum* grafts new chaperone pathways in the infected erythrocyte". *Molecular Approaches to Malaria*. Lorne, Lorne. Australia. February 2008. 38. 86.

Brimecombe,RD and Limson,JL

Brimecombe,RD and Limson,JL. "Fabrication of a dual purpose whole-cell biosensor for the monitoring and biodegradation of 2,4-dimethylaniline, a recalcitrant and toxic metabolite of the pesticide amitraz". *Tenth World Congress on Biosensors*. Shanghai International Convention Centre, Shanghai. China. May 2008.

Dames,JF

Onwuchekwa,N and Dames,JF. "The prospective use of arbuscular mycorrhizal fungi in phytoremediation and agriculture". *Nigerian Society for Microbiology 32nd Annual National Conference*. Abia State University, Uturu. Nigeria. October 2008.

Fogel,R and Limson,JL

Fogel,R and Limson,JL. "Increasing the specificity of response of a laccase based biosensor in multi-substrate matrixes". *Tenth World Congress on Biosensors*. Shanghai International Convention Centre, Shanghai. China. May 2008.

Gentz,PM, Blatch,GL and Dorrington,RA

Gentz,PM, Blatch,GL and Dorrington,RA. "Mis-folding of heterologously-produced eukaryotic translation initiation factor 5A". *33rd FEBS Congress & 11th IUBMB Conference, Athens*. International Conference Centre, Athens. Greece. June 2008. 275. 190.

Gentz,PM, Blatch,GL and Dorrington,RA. "RNA is required for the dimerisation of the yeast eukaryotic translation initiation factor 5A". *33rd FEBS Congress & 11th IUBMB Conference*. International Conference Centre, Athens. Greece. July 2008. 275. 275.

Goble,JL, Prasad-Vijayan,PR, Stephens,L and Blatch,GL

Goble,JL, Gxoyiya,B, Lobb,KA, Molefe,DM, Mutorwa,M, Nchinda,AT, Prasad-Vijayan,PR, Rashamuse,TJ, Rose,N, Salisu,S, Stephens,L, Blatch,GL, Kenyon,C, Klein,RA and Kaye,PT. "Enzyme-inhibition strategies in the rational design and synthesis of medicinal compounds". *European Science Foundation ESF-COST High-Level Research Conference*. Hotel Villa del Mare, Acquafredda di Maratea. Italy. May 2008.

Limson,JL and Fogel,R

Limson,JL and Fogel,R. "QCMD guided design of enzyme immobilization". *Tenth World Congress on Biosensors*. Shanghai International Convention Centre, Shanghai. China. May 2008.

Short,JR, Knox,C and Dorrington,RA

Short,JR, Knox,C and Dorrington,RA. "Sub-cellular localization of an *Omegatetravirus replicase*". *Congress of the American Society for Virology*. Cornell University, Ithaca. United States of America. July 2008.

Togo,CA, Wutor,V, Pletschke,BI and Limson,JL

Togo,CA, Wutor,V, Pletschke,BI and Limson,JL. "A Moraxella-based biosensor for detection of faecal pollution in drinking water". *Tenth World Congress on Biosensors*. Shanghai International Convention Centre, Shanghai. China. May 2008.

Van Dyk,JS and Pletschke,BI

Van Dyk,JS, Sakka,M, Sakka,K and Pletschke,BI. "Cellulolytic and hemicellulolytic activity in *Bacillus licheniformis* SVD1 and the presence of a multi-enzyme complex". *MIE Bioforum 2008*. Shima Spain Mura, Shima-Isobe. Japan. September 2008.

Walter,CT and Dorrington,RA

Walter,CT, Pringle,FM, de Felipe,P, Ryan,MD, Ball1,LA and Dorrington,RA. "Genome organisation and translation products of providence virus: insights into a novel tetravirus". *Congress of the American Society for Virology*. Cornell University, Ithaca. United States of America. July 2008.

PATENTS (FINAL AND PROVISIONAL)**Longshaw,VM and Blatch,GL**

Longshaw,VM and Blatch,GL. RNAi-mediated depletion of the co-chaperone Hop. South Africa. 2008. 2008/07520.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Blatch,GL**

Blatch,GL. Coordinator. "*Bioinformatics workshop in comparative protein modelling*". NBN-funded workshop, with lectures from University of Pretoria-based bioinformaticists Mr Charles Hefer and Mr Tjaart de Beer. Rhodes University. Grahamstown, South Africa. 17 - 20 June 2008.

Dames,JF

Dames,JF. Co-ordinator. "*Introduction to Soil Microbiology*". Workshop for farmers on basic soil microbiology and microbial products. Rhodes University. Grahamstown, South Africa. 15 - 16 April 2008.

Dames,JF. Co-ordinator. "*Introduction to Soil Microbiology*". Workshop for farmers on soil microbiology and microbial products. Rhodes University. Grahamstown, South Africa. 10 - 11 November 2008.

Edkins,AL

Edkins,AL. Oral Presentation. "*Cancer stem cells: the hidden villian*". SAASTA Public Understanding of Biotechnology (PUB) Media Round Table on Biotechnology in Medical Research. Medical Research Council. Cape Town, South Africa. 15 October 2008.

Limson,JL

Limson,JL. Co-ordinator. QCMD regional workshop with speaker Dr Dorothea Thid of Q-Sense, Sweden. Rhodes University. Grahamstown, South Africa. 26 February 2008.

Whiteley,CG

Whiteley,CG. Invited speaker. "*Sulphur biotechnology: bioremediation and bioreduction*". Shell/RSC Castle Conversation. Buxted Park Hotel. East Sussex, United Kingdom. 24 - 26 November 2008.

INTERNATIONAL VISIT**Blatch,GL and Shonhai,A**

Blatch,GL and Shonhai,A. University of Marburg, Marburg, Germany. DFG-funded research visit for the purpose of completing the writing and submission of a full DFG grant with German collaborators, Prof Klaus Lingelbach and Dr Jude Pryzborski. 6 - 14 June 2008.

Dorrington,RA

Dorrington,RA. National Institutes of Health, Bethesda, United States of America. Invited Lecturer. 20 June 2008.

Pletschke,BI and Van Dyk,JS

Pletschke,BI and Van Dyk,JS. Mie University, Tsu, Japan. Collaborative research visit to conduct research on *Bacillus multienzyme* complexes and their associated cellulases and hemicellulases as part of SA-JAPAN Scientific Cooperation Programme. 1 - 12 September 2008.

Whiteley,CG

Whiteley,CG. South China University of Technology, Guangzhou, Peoples Republic of China. Bilateral Research Agreement (China - South Africa). 16 January - 6 February 2008.

Whiteley,CG. South China University of Technology, Guangzhou, Peoples Republic of China. Bilateral Research Agreement (China - South Africa). 11 March - 4 April 2008.

Whiteley,CG. South China University Technology, Guangzhou, Peoples Republic of China. Bilateral Research Agreement (China - South Africa). 20 June - 18 July 2008.

Whiteley,CG. South China University Technology, Guangzhou, Peoples Republic of China. Bilateral Research Agreement (China - South Africa). 5 September - 3 October 2008.

Whiteley,CG. National Taiwan University, Taipei, Taiwan. Invited lecturer, international training programme, enzyme biotechnology & sustainable energy. 14 - 19 September 2008.

Whiteley,CG. South China University Technology, Guangzhou, Peoples Republic of China. Bilateral Research Agreement (China -South Africa). 1 - 19 December 2008.

DISTINGUISHED VISITORS**Bradley,G**

Professor G Bradley. University of Fort Hare, Alice, South Africa. Participation in colloquium organised by the Rhodes University Centre for Chemico- and Biomedical research. November - January 2008.

JOURNAL SUBSIDY UNITS	UNITS
Beukes,N and Pletschke,BI	
<i>Beukes,N, Chan,H, Doi,RH and Pletschke,BI.</i> "Synergistic associations between <i>Clostridium cellulovorans</i> enzymes XynA, ManA and EngE against sugarcane bagasse". Enzyme and Microbial Technology. 2008. 42(6),492- 498.	0.50
Blatch,GL and Daniel,S	

<i>Gordon,AK, Blatch,GL, Daniel,S and Muller,WJ. "Stress protein responses in South African freshwater invertebrates exposed to detergent surfactant linear alkylbenzene sulfonate (LAS)". Water Air and Soil Pollution. 2008. 193,123-130.</i>	0.50
Blatch,GL and Stephens,LL	
<i>Birkholtz,L-M, Blatch,GL, Coetzer,TL, Hoppe,HC, Human,E, Morris,JE, Ngcete,Z, Oldfield,L, Roth,R, Shonhai,A, Stephens,LL and Louw,AI. "Heterologous expression of plasmodial proteins for structural studies and functional annotation". Malaria Journal. 2008. 7(197),1-1.</i>	0.17
Boshoff,A, Stephens,LL and Blatch,GL	
<i>Boshoff,A, Stephens,LL and Blatch,GL. "The Agrobacterium tumefaciens DnaK: ATPase cycle, oligomeric state and chaperone properties". International Journal of Biochemistry & Cell Biology. 2008. 40, 804-812.</i>	1.00
Brand,JM	
<i>Brand,JM and Mabinya,LV. "Evaluation of a thin layer chromatographic technique for identification of bush species browsed by goats". African Journal of Range and Forage Science. 2008. 25(1),43-46.</i>	0.50
Burgess,JE	
<i>Orr,KK, Burgess,JE and Froneman,PW. "The effects of increased freshwater inflow on metal enrichment in selected Eastern Cape estuaries, South Africa". Water SA. 2008. 34(1),39-52.</i>	0.34
Burgess,JE and Pletschke,BI	
<i>Burgess,JE and Pletschke,BI. "Hydrolytic enzymes in sewage sludge treatment: a mini-review ". Water SA. 2008. 34(3),343-349.</i>	1.00
Dairam,A, Fogel,R and Limson,JL	
<i>Dairam,A, Fogel,R, Daya,S and Limson,JL. "Antioxidant and iron-binding properties of curcumin, capsaicin, and S-allylcysteine reduce oxidative stress in rat brain homogenate". Journal of Agricultural and Food Chemistry. 2008. 56(9),3350-3356.</i>	0.75
Daniel,S, Bradley,G, Longshaw,VM and Blatch,GL	
<i>Daniel,S, Bradley,G, Longshaw,VM, Söti,C, Csermely,P and Blatch,GL. "Nuclear translocation of the phosphoprotein Hop (Hsp70/Hsp90 organizing protein) occurs under heat shock, and its proposed nuclear localization signal is involved in Hsp90 binding". Biochimica et Biophysica Acta. 2008. 1783,1003-1014.</i>	0.67
Hawley,GL and Dames,JF	
<i>Hawley,GL, Taylor,AFS and Dames,JF. "Ectomycorrhizas in association with <i>Pinus patula</i> in Sabie, South Africa". South African Journal of Science. 2008. 104(7/8),273-283.</i>	0.67
Jiwaji,M, Matcher,GF and Dorrington,RA	
<i>Jiwaji,M, Matcher,GF and Dorrington,RA. "A versatile broad host range reporter plasmid for analysis of divergent promoter regions". South African Journal of Science. 2008. 104(7/8),305-307.</i>	1.00
Mack ,CL, Wilhelmi,BS, Duncan,JR and Burgess,JE	
<i>Mack ,CL, Wilhelmi,BS, Duncan,JR and Burgess, JE. "A kinetic study of the recovery of platinum ions from an artificial aqueous solution by immobilized <i>Saccharomyces cerevisiae</i> biomass". Minerals Engineering. 2008. 21,31-37.</i>	1.00
Manipura,A and Burgess,JE	
<i>Manipura,A and Burgess,JE. "Biological nitrogenous compound removal and subsequent rhodium recovery from simulated metal refinery wastewater". Minerals Engineering. 2008. 21,652-659.</i>	1.00
Moore,BA, Duncan,JR and Burgess,JE	
<i>Moore,BA, Duncan,JR and Burgess,JE. "Fungal bioaccumulation of copper, nickel, gold and platinum". Minerals Engineering. 2008. 21,55-60.</i>	1.00
Mutanda,T, Wilhelmi,BS and Whiteley,CG	
<i>Mutanda,T, Wilhelmi,BS and Whiteley,CG. "Response surface methodology: synthesis of inulooligosaccharides with an endoinulinase from <i>Aspergillus niger</i>". Enzyme and Microbial Technology. 2008. 43(4-5),362- 368.</i>	1.00
Pesce,E-R, Nicoll,WS, Shonhai,A and Blatch,GL	
<i>Pesce,E-R, Acharya,P, Tatu,U, Nicoll,WS, Shonhai,A, Hoppe,HC and Blatch,GL. "The <i>Plasmodium falciparum</i> heat shock protein 40, Pfj4, associates with heat shock protein 70 and shows similar heat induction and localisation patterns". International Journal of Biochemistry & Cell Biology. 2008. 40,2914-2926.</i>	0.57
Pletschke,BI	

Roman,H, Madikane,M, Pletschke,BI and Rose,PD. "The degradation of lignocellulose in a chemically and biologically generated sulphidic environment ". Bioresource Technology. 2008. 99(7),2333-2339.	0.25
Rashamuse,KJ, Mutambanengwe,CCZ and Whiteley,CG	
Rashamuse,KJ, Mutambanengwe,CCZ and Whiteley,CG. "Enzymatic recovery of platinum (IV) from industrial wastewater using a biosulphidogenic hydrogenase". African Journal of Biotechnology. 2008. 7(8), 1087-1095.	1.00
Roman,H, Madikane,M and Rose,PD	
Roman,H, Madikane,M, Pletschke,BI and Rose,PD. "The degradation of lignocellulose in a chemically and biologically generated sulphidic environment ". Bioresource Technology. 2008. 99(7),2333-2339.	0.75
Shonhai,A, Botha,M, Boshoff,A and Blatch,GL	
Shonhai,A, Botha,M, de Beer,TAP, Boshoff,A and Blatch,GL. "Structure-function study of a <i>Plasmodium falciparum</i> Hsp70 using three dimensional modelling and <i>in vitro</i> analyses". Protein and Peptide Letters. 2008. 15(10),1117-1125.	0.80
Strong,PJ and Burgess,JE	
Strong,PJ and Burgess,JE. "Fungal and enzymatic remediation of a wine lees and five wine-related distillery wastewaters". Bioresource Technology. 2008. 99,6134-6142.	1.00
Togo,CA and Limson,JL	
Geraldo ,DA, Togo,CA, Limson,JL and Nyokong,T. "Electrooxidation of hydrazine catalyzed by noncovalently functionalized single-walled carbon nanotubes with CoPc". Electrochimica Acta. 2008. 53(27), 8051-8057.	0.50
Khene,S, Geraldo,DA, Togo,CA, Limson,JL and Nyokong,T. "Synthesis, electrochemical characterization of tetra- and octa-substituted dodecyl-mercapto tin phthalocyanines in solution and as self assembled monolayers ". Electrochimica Acta. 2008. 54,183-191.	0.40
Togo,CA, Mutambanengwe,CCZ and Whiteley,CG	
Togo,CA, Mutambanengwe,CCZ and Whiteley,CG. "Decolourisation and degradation of textile dyes using a sulphate reducing bacteria (SRB) - biodigester microflora co-culture". African Journal of Biotechnology. 2008. 7(2),114-121.	1.00
Walter,CT, Tomasicchio,M, Hodgson,V and Dorrington,RA	
Walter,CT, Tomasicchio,M, Hodgson,V, Hendry,DA, Hill,MP and Dorrington,RA. "Characterization of a succession of small insect viruses in a wild South African population of <i>Nudaurelia cytherea capensis</i> (Lepidoptera: saturniidae)". South African Journal of Science. 2008. 104,147-152.	0.67
Whiteley,CG	
Li,W, Yang,B, Liang,S, Wang,Y, Whiteley,CG, Cao,Y and Wang,X. "BLogo: a tool for visualisation of bias in biological sequences". Bioinformatics. 2008. 24(19),2254-2255.	0.14
TOTAL	18.18

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Blatch	Botha	D	3.0
Brand	Kgopa	M	0.5
Dorrington	De la Mare	M	1.0
Dorrington	Vlok	M	1.0
Dorrington	Walter	D	3.0
Limson	Ragubeer	M	1.0
Pletschke	Abboo	M	1.0
Whiteley	Riddin	M	1.0
Wilhelmi	Kgopa	M	0.5
TOTAL			12.0

BOTANY

The Botany Department had an extremely busy and productive year. 2008 saw the introduction of a new Honours course called "Biodiversity & Conservation", offered jointly with the Department of Environmental Science. Seven students completed this course and will graduate in 2009. The staff were also very productive, and as a whole the department has published almost 30 papers, with additional offerings in press.

Dr Susi Vetter's involvement in a project in the Richtersveld continued, with good progress. She and Mr Tony Dold (Schonland Herbarium / Botany) also started a new SANPAD funded research project led by Michelle Cocks (ISER) on "Understanding rural peoples' sense of place and their environment: Implications for bio-cultural diversity conservation". A workshop for this project was held in November 2008 with the Netherlands collaborators and South African researchers planning future research projects that aim to incorporate the findings of this research into formal conservation planning approaches. She was also invited to give the opening keynote talk at a South African National Parks imbizo on linking scientific research to adaptive management.

Prof. Nigel Baker was on sabbatical for the first half of 2008, and attended the Systematics 2008 conference in Goettingen, Germany, presenting a paper and a poster. He hosted Dr Rosa Cerros-Tlatilpa as a postdoctoral researcher from Mexico, who conducted work on the globally important grass genera *Aristida* and *Stipagrostis*. A second postdoc Dr Chris Kelly also contributed to Prof Barker's research group, conducting and publishing work on African snakes. Collectively, Prof Barker's research group published 11 peer-reviewed papers in 2008, the highlight being the acceptance (and eventual publication in early 2009) of a multi-author paper on the evolution and radiation of the Proteaceae in the prestigious Proceedings of the National Academy of Sciences, USA. He also received funding from the National Geographic Society to support his research on the biodiversity of the southern regions of the Great Escarpment, a very poorly understood and understudied region. This funding allowed for a detailed botanical exploration program to be undertaken by his PhD student, Mr Clark. As a consequence of this work, at least ten plant species new to science have been discovered from the Sneeuberg alone, including a new species of Proteaceae. These species are currently being formally described, illustrated and researched.

Prof. Brad Ripley continued his interests in the ecophysiology of C_3 and C_4 grasses and of coastal sand-dune species, which resulted in the graduation of two MSc students and a PhD student, as well as numerous publications. These document the results of international collaborations with researchers from Sheffield and Wageningen Universities, and from collaborations with researchers at Rhodes University. Findings were presented at local conferences and a highlight of the year was a visit by Prof. Howard Griffiths from Cambridge University who ran a two-week course on the use of stable isotopes in biological research. A further highlight was that after graduating his PhD, Dr Matthew Gilbert secured a postdoctoral position at Harvard University.

Professor Ted Botha co-organized and convened an international conference (Plant Induced Resistance for Pests and Disease Control (PIRAC) in Cape Town from 26th to 29th October, 2008. Funding for this very stimulating event was secured from PlantComMistra in Sweden, as well as from the Swedish National Academy of Science and the NRF in Pretoria. Thirty international and southern African delegates enjoyed a busy scientific conference at which attention was given to aphid and pathogen-plant interactions and the effects that these pests have on agricultural productivity. During this time he hosted a collaborating colleague from the CSIRO (Perth, Australia), as part of a new NRF knowledge interchange exchange initiative. 2008 also saw the publication of a text book, "Plant anatomy: an applied approach", together with an informative CD-ROM, by D.F. Cutler, T. Botha and D.W. Stevenson, published by Wiley-Blackwell. The book has received excellent reviews. Professor Botha has continued to secure research funding for his collaborative research with colleagues in Sweden, Australia and Japan. In December, he was notified by the South African Association of Botanists that he had been awarded the Senior Medal for his many contributions to botany in South Africa and internationally.

In June, Professor Roy Lubke took a party of honours students to the conference of the Grasslands Society of Southern Africa on Rehabilitating Rangelands held in Pietermaritzburg, where the students gained their first insight into conference proceedings. The meeting was followed by an excursion to visit grassland restoration sites in the KZN Midlands. He also attended the International Association of Vegetation Science Symposium held at Stellenbosch in September, where he renewed his contacts with numerous overseas colleagues. During this conference, he led a mid-week excursion to Langebaan and the West Coast Fossil Park where he has been carrying out rehabilitation studies since 1996. He then took some 25 delegates on the post-conference excursion to the

Southern and Eastern Cape for 12 days. Prof Lubke also attended the 3rd International Seminar on Mine Closure in Johannesburg in October where he presented a paper on the studies carried out on the closure of slimes dams at the Umbogintwini Industrial Complex. He was on the Conference organising committee and reviewed many of the papers for the published proceedings.

Mr Tony Dold continued his collaboration with the ISER bio-cultural diversity conservation programme that links bio-diversity to cultural heritage. A paper documenting the cultural value of the indigenous olive (*Olea europaea* subsp. *africana*) was published jointly with Dr Michelle Cocks (Institute for Social and Economic Studies) who heads the programme. Mr Dold collaborated with the South African National Biodiversity Institute's combined threatened species programme and ethnobotanical programme to prioritise conservation strategies for threatened medicinal plant species.

Mr Craig Peter successfully completed his PhD at UKZN, with his thesis receiving glowing comments from the three international examiners. He has gone on to publish a number of chapters of his thesis, and he and his students and collaborators have also published research unrelated to his PhD and presented this work both at local and international conferences.

PROFESSOR BRAD RIPLEY
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Botha,CEJ

Cutler,DF, *Botha,CEJ* and Stevenson,DW. "Plant anatomy: an applied approach". Wiley Blackwell. Oxford UK. First Edition. 2008. ISBN: 978-1-4051-2679-3.

Dold,AP

Dold,AP. "*Azima tetraacantha*". In: *Plant Resources of Tropical Africa - PROTA: Medicinal plants part 1*. Backhuys Publishers. Leiden. First Edition. 2008. 11(1), 109-110. ISBN: 978-90-5782-204-9.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Barker,NP

Bownes,S, *Barker,NP* and *McQuaid,CD*. "Morphological identification of primary settlers and post-larvae of three mussel species from the coast of South Africa". *African Journal of Marine Science*. 2008. 30(2),233-240.

Buys,MH, *Janse van Rensburg,L-L*, *Mienie,CMS*, *Barker,NP*, *Burgoyne,PM*, *Mills,L*, *Van Rensburg,L* and *Hartmann,H*. "Applying AFLPs in Aizoaceae: the *Delosperma herbeum* complex as a case study". *Biochemical Systematics and Ecology*. 2008. 36,92-100.

Pirie,MD, *Humphreys,AM*, *Galley,C*, *Barker,NP*, *Verboom,GA*, *Orlovich,D*, *Draffin,SJ*, *Lloyd,K*, *Baeza,CM*, *Negritto,M*, *Ruiz,E*, *Cota Sanchez,JH*, *Reimer,E* and *Linder,HP*. "A novel supermatrix approach improves resolution of phylogenetic relationships in a comprehensive sample of danthonioid grasses". *Molecular Phylogenetics and Evolution*. 2008. 48,1106-1119.

Behenna,M and Vetter,S

Behenna,M, *Vetter,S* and *Fourie,S*. "Viability of alien and native seed banks after slash and burn: effects of soil moisture, depth of burial and fuel load". *South African Journal of Botany*. 2008. 74,454-462.

Botha,CEJ

Ade-Ademilua,OE and *Botha,CEJ*. "The level of wall ingrowths protusion in transfer cells is a function of the sink/source state of the leaf". *American Journal of Plant Physiology*. 2008. 3(2),67-72.

Botha,CEJ and Liu,L

Botha ,CEJ, Aoki,N, Scofield,GN, Liu,L, Furbank,RT and White,RG. "A xylem sap retrieval pathway in rice leaf blades: evidence of a role for endocytosis?" *Journal of Experimental Botany*. 2008. 59(11),2945-2954.

de Wet,L-AR, Barker,NP and Peter,CI

de Wet,L-AR, Barker,NP and Peter,CI. "The long and the short of gene flow and reproductive isolation: Inter Simple Sequence Repeat (ISSR) markers support the recognition of two floral forms in *Pelargonium reniforme* (Geraniaceae)". *Biochemical Systematics and Ecology*. 2008. 36(9),684-690.

Dold,AP

Cocks,ML and Dold,AP. "The cultural use of the wild olive tree by the amaXhosa people in the Eastern Cape Province of South Africa". *Journal for The Study of Religion, Nature and Culture*. 2008. 2(3),292-308.

Gilbert,M and Ripley,BS

Gilbert,M, Pammenter,N and Ripley,BS. "The growth response of coastal dune species are determined by nutrient limitation and sand burial". *Oecologia*. 2008. 156,169-178.

Ibrahim,D, Gilbert,M, Ripley,BS and Osborne,CP. "Seasonal differences in photosynthesis between the C3 and C4 subspecies of *Alloteropsis semialata* are offset by frost and drought". *Plant Cell and Environment*. 2008. 31,1031-1050.

Osborne,CP, Wythe,EJ, Gilbert,M and Ripley,BS. "Low temperature effects on leaf physiology and survivorship in the C3 and C4 subspecies of *Alloteropsis semialata*". *Journal of Experimental Botany*. 2008. 59(7),1743-1754.

Gilbert,ME and Ripley,BS

Gilbert,ME and Ripley,BS. "Biomass reallocation and the mobilisation of leaf resources support dune plant growth after sand burial". *Physiologia Plantarum*. 2008. 134,464-472.

Kelly,CMR and Barker,NP

Kelly,CMR, Barker,NP, Villet,MH, Broadley,DG and Branch,WR. "The snake family Psammophiidae (Reptilia: serpentes): phylogenetics and species delimitation in the African sand snakes (*Psammophis* Boie, 1825) and allied genera". *Molecular Phylogenetics and Evolution*. 2008. 47,1045-1060.

McKenzie,RJ

Mahoney,AM and McKenzie,RJ. "Notes on two southern African *Arctotis* species (Arctotideae: Asteraceae) growing in California". *Madrone*. 2008. 55(3),246-249.

McKenzie,RJ, Ward,JM and Breitwieser,I. "Hybridization beyond the F1 generation between the New Zealand endemic everlastings *Anaphalioides bellidioides* and *Ewartia sinclairii* (Asteraceae, Gnaphalieae)". *Plant Systematics and Evolution*. 2008. 273,13-24.

McKenzie,RJ and Barker,NP

McKenzie,RJ and Barker,NP. "Radiation of southern African daisies: biogeographic inferences for subtribe Arctotidineae (Asteraceae: Arctotideae)". *Molecular Phylogenetics and Evolution*. 2008. 49,1-16.

McKenzie,RJ, Hjertson,M and Barker,NP. "Typification of the name *Arctotis lanata* and those of some southern African *Haplocarpha* species (Asteraceae, Arctotideae)". *Taxon*. 2008. 57(2),612-614.

McKenzie,RJ, Hjertson,M and Barker,NP. "Typification of the name *Arctotis plantaginea* and names in the *Arctotis semipapposa* species complex (Asteraceae, Arctotideae)". *Taxon*. 2008. 57(4),1341-1346.

Peter,CI

Larsen,M, Peter,CI, Johnson,SD and Olesen,JM. "Comparative biology of pollination systems in the African-Malagasy genus *Brownleea* (Brownleeinae: Orchidaceae)". *Botanical Journal of the Linnean Society*. 2008. 156(1),65-78.

Peter, CI and Johnson, SD. "Mimics and magnets: the importance of color and ecological facilitation in floral deception". *Ecology*. 2008. 89(6), 1583-1595.

Ramdhani, S and Barker, NP

Ramdhani, S, Barker, NP and Baijnath, H. "Exploring the Afromontane centre of endemism: *Kniphofia* Moench (Asphodelaceae) as a floristic indicator". *Journal of Biogeography*. 2008. 35, 2258-2273.

Ripley, BS

Cunniff, J, Osborne, CP, Ripley, BS, Charles, M and Jones, G. "Response of wild C4 crop progenitors to subambient CO₂ highlights a possible role in the origin of agriculture". *Global Change Biology*. 2008. 14(3), 576-587.

van Grunsven, RHA, Bos, E, Ripley, BS, Suehs, CM and Veenendaal, E. "Release from soil pathogens plays an important role in the success of invasive *Carpobrotus* in the Mediterranean". *South African Journal of Botany*. 2008. 75(1), 172-175.

Ripley, BS and Abraham, TI

Ripley, BS, Abraham, TI and Osborne. "Consequences of C4 photosynthesis for the partitioning of growth: a test using C3 and C4 subspecies of *Alloterospis semialata* under nitrogen-limitation". *Journal of Experimental Botany*. 2008. 59(7), 1705-1714.

Ripley, BS and DeWet, L

Ripley, BS, DeWet, L and Hill, MP. "Herbivory-induced reduction in photosynthetic productivity of water hyacinth, *Eichhornia crassipes* (martius) Solms-Laubach (Pontederiaceae), is not directly related to reduction in photosynthetic leaf area". *African Entomology*. 2008. 16(1), 140-142.

Teske, PR and Barker, NP

Nicastro, KR, Zardi, GI, McQuaid, CD, Teske, PR and Barker, NP. "Coastal topography drives genetic structure in marine mussels". *Marine Ecology-Progress Series*. 2008. 368, 189-195.

Teske, PR, Papadopoulos, I and Barker, NP

Teske, PR, Papadopoulos, I, Newman, BK, Dworschak, PC, McQuaid, CD and Barker, NP. "Oceanic dispersal barriers, adaptation and larval retention: an interdisciplinary assessment of potential factors maintaining a phylogeographic break between sister lineages of an African prawn". *Bmc Evolutionary Biology*. 2008. 8(341), 1-14.

White, AG and Ripley, BS

White, AG, Davies-Coleman, MT and Ripley, BS. "Measuring and optimising umckalin concentration in wild-harvested and cultivated *Pelargonium sidoides* (Geraniaceae)". *South African Journal of Botany*. 2008. 74, 260-267.

OTHER PUBLICATIONS

Dold, T

Cocks, M and Dold, T. "Links between biological and cultural diversity – concepts, methods and experiences. Report of an International Workshop". In: *Interdependence of biological and cultural diversity amongst the amaXhosa and Mfengu of the Eastern Cape, South Africa*. Persic, A and Martin, G (eds) UNESCO. Paris. 2007. 13.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

i. Local Conferences

Barker, NP

da Conceicao, LL, James, HM, Price, BW, Barker, NP and Villet, MH. "Molecular studies on *Baetis harrisoni* (Ephemeroptera: Baetidae), using two mitochondrial genes, CO1 and 16S, to distinguish species-level differences between populations". *23rd International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008. 803.

Goble,TA, Price,BW, Barker,NP and Villet,MH. "Preliminary molecular phylogenetics and inferred historical biogeography of three African cicada genera of the tribe *Platypleurini* (Hemiptera: Cicadidae)". *23rd International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008. 673.

Goble,TA, Price,BW, Barker,NP and Villet,MH. "Implications of a preliminary molecular investigation of four African cicada genera in the tribe *Parnisini* (Hemiptera: Cicadidae)". *23rd International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008. 674.

Mmonwa,KL, McQuaid,CD and Barker,NP. "Phylogeographic patterns of *Gelidium pristoides* (Gelidiaceae: Rhodophyta) and *Hypnea spicifera* (Hypneaceae: Rhodophyta) along the South African coastline". *13th South African Marine Symposium*. University of Cape Town, Cape Town. South Africa. June 2008.

Mmonwa,KL, McQuaid,CD and Barker,NP. "Phylogeographic patterns of *Gelidium pristoides* (Gelidiaceae: Rhodophyta) and *Hypnea spicifera* (Hypneaceae: Rhodophyta) along the South African coastline". *South African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008. 73.

Price,BW, Bellingan,TA, Villet,MH and Barker,NP. "Phylogeny of the tribe *Tettigomyiini* (Hemiptera: Cicadidae) in southern Africa". *23rd International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008. 1332.

Price,BW, Villet,MH and Barker,NP. "Historical biogeography of selected species of cicada within the tribe *Platypleurini* (Hemiptera: Cicadidae)". *23rd International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008. 847.

Clark,VR and Barker,NP

Clark,VR, Barker,NP and Mucina,L. "Endemism, phytogeographical considerations, and a preliminary flora of the Sneeuwberg mountain complex in the Great Karoo, South Africa". *Joint Conference of the South African Association of Botanists (SAAB) and Southern African Society of Systematic Biologists*. Drakensville Mountain Resort, Harrismith. South Africa. January 2008.

Coombs,G and Peter,CI

Coombs,G and Peter,CI. "Pollination biology and fecundity differences in rare and common members of the Apocynaceae". *33rd SAAB Conference*. Drakensville Resort, Drakensville. South Africa. April 2008.

Dold, AP

Victor, JE, Crouch, NR, Williams, VL and Dold, AP. "Red-listing of medicinal plants of South Africa". *Joint Conference of the South African Association of Botanists and Southern African Society for Systematic Biology*. Drakensville Mountain Resort, Drakensville. South Africa. January 2008.

Williams, VL, Crouch, NR, Victor, JE and Dold, AP. "Red-listed ethnomedicinal plants: identifying geographic "Hot Spots" of conservation concern". *World Congress on Medicinal and Aromatic Plants*. Cape Town International Convention Centre (CTICC), Cape Town. South Africa. November 2008.

Duncan,IM, Vetter,S and Dold,AP

Duncan,IM, Vetter,S, Cowling,RM, Trollope,WSW and Dold,AP. "A comparison of thicket-savanna vegetation in four different states in the smaldeel, Eastern Cape: productivity, biodiversity, landscape function and people's perceptions". *43rd Congress of the Grassland Society of Southern Africa*. Forever Resort, Badplaas. South Africa. July 2008.

Duncan,IM, Vetter,S, Cowling,RM, Trollope,WSW and Dold,AP. "A comparison of thicket-savanna vegetation in four different states in the smaldeel, Eastern Cape: productivity, biodiversity, landscape function and people's perceptions". *5th Thicket Forum*. Thomas Baines Nature Reserve, Grahamstown. South Africa. August 2008.

Gilbert,ME and Ripley,BS

Gilbert,ME, Pammenter,NW and Ripley,BS. "New perspectives in coastal dune ecology". *Annual Meeting of South African Association of Botanists*. Drakensville Resort, Drakensville. South Africa. January 2008. 74. 367.

Kelly,CMR and Barker,NP

Brassine,MC, Kelly,CMR, Barker,NP and Villet,MH. "The phylogenetics of the *Lamphoris fuliginosus / capensis* species complex in southern Africa". *9th Conference of the Herpetological Association of Africa*. Sterkfontein Dam, Harrismith. South Africa. November 2008. 13.

Konje,MM and Vetter,S

Konje,MM and Vetter,S. "Measurement of spatial and temporal forage production by use of remote sensing data (MODIS) and line intercept method in Richtersveld National Park". *43rd Congress of the Grassland Society of Southern Africa*. Forever Resort, Badplaas. South Africa. July 2008.

Peter,CI

Peter,CI and Johnson,SD. "Doing the twist: a test of Darwin's cross-pollination hypothesis for pollinarium reconfiguration". *33rd SAAB Conference*. Drakensville Resort, Drakensville. South Africa. January 2008.

Ramdhani,S, Behenna,M and Barker,NP

Ramdhani,S, Behenna,M, Cowling,RM and Barker,NP. "Phylogenetic studies in southern African thicket: *Schotia* Jacq. (Fabaceae)". *Joint Conference of the South African Association of Botanists (SAAB) and Southern African Society of Systematic Biologists*. Drakensville Mountain Resort, Harrismith. South Africa. January 2008.

Ripley,BS and Gilbert,ME

Ripley,BS, Gilbert,ME and Ibrahim,DG. "Ecological significance of C4 photosynthesis: a comparison of C3 and C4 subspecies of *Alloteropsis semialata* and other NADP-ME panicoid grasses". *Annual Meeting of South African Association of Botanists*. Drakensville Resort, Drakensville. South Africa. January 2008.

Vetter,S

Vetter,S. "Drought as a driver: understanding vulnerability and building resilience in South African rangelands". *43rd Congress of the Grassland Society of Southern Africa*. Forever Resort, Badplaas, Mpumalanga. South Africa. July 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Barker,NP**

Gobel,TA, Price,BW, Villet,MH and Barker,NP. "Preliminary molecular phylogenetics and inferred historical biogeography of three African cicada genera of the *Platypleurini* (Hemiptera: Cicadidae)". *XXIII International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008.

Goble,TA, Price,BW, Villet,MH and Barker,NP. "Implications of a preliminary molecular investigation of four African cicada genera in the tribe Parnisini (Hemiptera: Cicadidae)". *XXIII International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008.

Pereira da Conceicao,LL, James,H, Villet,MH, Price,BW and Barker,NP. "Molecular studies on *Baetis harrisoni* (Ephemeroptera: Baetidae), using two mitochondrial genes, CO1 and 16S, to distinguish species level differences between populations". *XXIII International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008.

Pirie,MD, Humphreys,AM, Galley,C, Barker,NP, Verboom,GA, Lloyd,K, Draffin,SJ, Orlovich,D, Baeza,CM, Negritto,M, Ruiz,E, Cota Sanchez,H, Reimer,E and Linder,HP. "A supermatrix approach resolves phylogenetic relationships in danthonioid grasses". *Systematics 2008 Conference*. Goettingen University, Goettingen. Germany. April 2008. 285.

Price,BW, Barker,NP and Villet,MH. "Brer Cicada's songs of the south: phylogenetic insights into song evolution of *platypleurine* cicadas (Hemiptera: Cicadidae)". *Evolution 2008*. University of Minnesota, Minneapolis. United States of America. June 2008.

Price,BW, Bellingan,TA, Villet,MH and Barker,NP. "Phylogenetics patterns of brachyptery in the cicada tribe *Tettigomyiini* (Hemiptera: Cicadidae) in the Eastern Cape". *XXIII International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008.

Price,BW, Villet,MH and Barker,NP. "Brer cicada's songs of the south: phylogenetic insights into song evolution of *platypleurine cicadas* (Hemiptera: Cicadidae)". *Evolution 2008*. University of Minnesota, Minneapolis. USA. June 2008.

Price,BW, Villet,MH and Barker,NP. "Historical biogeography of selected species of cicada within the tribe *Platypleurini* (Hemiptera: Cicadidae)". *XXIII International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008.

Barker,NP and McKenzie,RJ

Barker,NP and McKenzie,RJ. "The phylogeny and biogeography of the annual *Arctotis* clade (Asteraceae): an insight into speciation in the Namakwaland region of South Africa". *Systematics 2008 conference*. Goettingen University, Goettingen. Germany. April 2008. 35.

Botha,CEJ, Saheed,SA and Jimoh,MA

Botha ,CEJ, Saheed,SA, Jimoh,MA, Randall,M and Pinchuck,SC. "Loss of vascular functionality during aphid infestation: causes and effects". *International Conference: plant induced resistance and disease control (Pirac)*. Breakwater Lodge, Waterfront, Cape Town. South Africa. October 2008.

Cerros-Tlatilpa,R and Barker,NP

Cerros-Tlatilpa,R, Columbus,T and Barker,NP. "A phylogeny of *Aristida* (Poaceae: aristidoideae) based on ITS, trnL-trnF and rpl16 sequences". *Fourth International Conference on the Comparative Biology of the Monocotyledons & the Fifth International Symposium on Grass Systematics and Evolution*. University of Copenhagen, Copenhagen. Denmark. August 2008. 15.

Coombs,G, Dold,AP and Peter,CI

Coombs,G, Dold,AP and Peter,CI. "Generalist fly pollination in *Ceropegia ampliata* and the role of trapping hairs". *XXIII International Congress of Entomology*. ICC Durban, Durban. South Africa. July 2008.

Kaehler,S

Hill,JM, McQuaid,CD and Kaehler,S. "Biogeographic isotope trends in marine intertidal food webs". *6th International Conference on Applications of Stable Isotope Techniques to Ecological Studies*. IMIN Conference Centre, Honolulu. United States of America. August 2008.

Kelly,CMR and Barker,NP

Kelly,CMR, Branch,WR, Broadley,DG, Barker,NP and Villet,MH. "Molecular systematics of the African snake family *Lamprophiidae* (Serpentes: Elapoidea), with particular focus on the genus *Lamprophis*". *9th Conference of the Herpetological Association of Africa*. Sterkfontein Dam, Harrismith. South Africa. November 2008.

Lubke,RA

Lubke,RA. "The contribution to closure of spontaneous restoration of industrial slimes effluent dams at the Umbogintwini industrial complex, near Durban, South Africa". *3rd International Seminar on Mine Closure*. Indaba hotel & conference centre, Johannesburg. South Africa. October 2008.

Mahboob,J and Botha,CEJ

Mahboob,J and Botha,CEJ. "An evaluation of the effect of two biotypes of Russian wheat aphid feeding on non-resistant and resistant wheat cultivars". *International Conference: Plant Induced Resistance and Disease Control (Pirac)*. Breakwater Lodge, Waterfront, Cape Town. South Africa. October 2008.

Peter,CI

Peter,CI and Johnson,SD. "Mimics and magnets: the importance of colour and ecological facilitation in floral deception ". *XXIII International Congress of Entomology*. ICC Durban, Durban. South Africa. July 2008.

Ramdhani,S and Barker,NP

Ramdhani,S, Bayer,MB, Cowling,RM and Barker,NP. "Molecular phylogenetic studies in *Haworthia* Duval (Asphodelaceae)". *Fourth International Conference on the Comparative Biology of the Monocotyledons & the Fifth International Symposium on Grass Systematics and Evolution*. University of Copenhagen, Copenhagen. Denmark. August 2008.

Vetter,S

Hempson,GP, Illius,AW, Hendricks,HH and Vetter,S. "A test of the key resource hypothesis in the Richtersveld, South Africa". *VIIIITH IRC/XXI ICG Congress*. International Convention Centre, Hohhot, Mongolia. China. July 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Botha,CEJ**

Botha,CEJ. Conference Convenor. "*International Conference: plant induced resistance and disease control (Pirac)*". Breakwater Lodge Waterfront. Cape Town , South Africa. 25 - 29 October 2008.

DISTINGUISHED VISITORS**Griffiths,H**

Professor H Griffiths. Chair of Plant Ecology, Cambridge University, Cambridge, United Kingdom. Taught a course on stable isotope techniques. Oct - Nov 2008.

JOURNAL SUBSIDY UNITS	UNITS
Barker,NP	
Bownes,S, Barker,NP and McQuaid,CD. "Morphological identification of primary settlers and post-larvae of three mussel species from the coast of South Africa". <i>African Journal of Marine Science</i> . 2008. 30(2),233-240.	0.34
Bownes,S, Barker,NP and McQuaid,CD. "Morphological identification of primary settlers and post-larvae of three mussel species from the coast of South Africa". <i>African Journal of Marine Science</i> . 2008. 30(2),233-240.	0.34
Buys,MH, Janse van Rensburg,L-L, Mienie,CMS, Barker,NP, Burgoyne,PM, Mills,L, Van Rensburg,L and Hartmann,H. "Applying AFLPs in Aizoaceae: the <i>Delosperma herbeum</i> complex as a case study ". <i>Biochemical Systematics and Ecology</i> . 2008. 36,92-100.	0.13
Pirie,MD, Humphreys,AM, Galley,C, Barker,NP, Verboom,GA, Orlovich,D, Draffin,SJ, Lloyd,K, Baeza,CM, Negritto,M, Ruiz,E, Cota Sanchez,JH, Reimer,E and Linder,HP. "A novel supermatrix approach improves resolution of phylogenetic relationships in a comprehensive sample of danthonioid grasses". <i>Molecular Phylogenetics and Evolution</i> . 2008. 48,1106-1119.	0.07
Behenna,M and Vetter,S	
Behenna,M, Vetter,S and Fourie,S. "Viability of alien and native seed banks after slash and burn: effects of soil moisture, depth of burial and fuel load". <i>South African Journal of Botany</i> . 2008. 74,454-462.	0.67
Botha ,CEJ and Liu ,L	
Botha ,CEJ, Aoki ,N, Scofield ,GN, Liu ,L, Furbank ,RT and White,RG. "A xylem sap retrieval pathway in rice leaf blades: evidence of a role for endocytosis? ". <i>Journal of Experimental Botany</i> . 2008. 59(11),2945- 2954.	0.34
de Wet,L-AR, Barker,NP and Peter,CI	
de Wet,L-AR, Barker,NP and Peter,CI. "The long and the short of gene flow and reproductive isolation: Inter Simple Sequence Repeat (ISSR) markers support the recognition of two floral forms in <i>Pelargonium reniforme</i> (Geraniaceae)". <i>Biochemical Systematics and Ecology</i> . 2008. 36(9),684-690.	1.00
Dold,AP	
Cocks,ML and Dold,AP. "The cultural use of the wild olive tree by the amaXhosa people in the Eastern Cape province of South Africa ". <i>Journal for The Study of Religion, Nature and Culture</i> . 2008. 2(3),292-308.	0.50

Gilbert,M and Ripley,BS	
Osborne,CP, Wythe,EJ, <i>Gilbert,M and Ripley,BS</i> . "Low temperature effects on leaf physiology and survivorship in the C3 and C4 subspecies of <i>Alloteropsis semialata</i> ". Journal of Experimental Botany. 2008. 59(7),1743-1754.	0.50
<i>Gilbert,M</i> , Pammenter,N and <i>Ripley,BS</i> . "The growth response of coastal dune species are determined by nutrient limitation and sand burial ". Oecologia. 2008. 156,169-178.	0.67
Ibrahim,D, <i>Gilbert,M, Ripley,BS</i> and Osborne,CP. "Seasonal differences in photosynthesis between the C3 and C4 subspecies of <i>Alloteropsis semialata</i> are offset by frost and drought". Plant Cell and Environment. 2008. 31,1031-1050.	0.50
Gilbert,ME and Ripley,BS	
<i>Gilbert,ME and Ripley,BS</i> . "Biomass reallocation and the mobilisation of leaf resources support dune plant growth after sand burial". Physiologia Plantarum. 2008. 134,464-472.	1.00
Kelly,CMR and Barker,NP	
<i>Kelly,CMR, Barker,NP, Villet,MH, Broadley,DG and Branch,WR</i> . "The snake family Psammophiidae (Reptilia: Serpentes): phylogenetics and species delimitation in the African sand snakes (<i>Psammophis</i> Boie, 1825) and allied genera ". Molecular Phylogenetics and Evolution. 2008. 47,1045-1060.	0.40
McKenzie,RJ	
<i>McKenzie,RJ</i> , Ward,JM and Breitwieser,I. "Hybridization beyond the F1 generation between the New Zealand endemic everlasting <i>Anaphalioides bellidioides</i> and <i>Ewartia sinclairii</i> (Asteraceae, Gnaphalieae)". Plant Systematics and Evolution. 2008. 273,13-24.	0.34
McKenzie,RJ and Barker,NP	
<i>McKenzie,RJ and Barker,NP</i> . "Radiation of southern African daisies: biogeographic inferences for subtribe Arctotidinae (Asteraceae: Arctotideae) ". Molecular Phylogenetics and Evolution. 2008. 49,1-16.	1.00
<i>McKenzie,RJ</i> , Hjertson,M and <i>Barker,NP</i> . "Typification of the name <i>Arctotis lanata</i> and those of some southern African <i>Haplocarpha</i> species (Asteraceae, Arctotideae)". Taxon. 2008. 57(2),612-614.	0.67
<i>McKenzie,RJ</i> , Hjertson,M and <i>Barker,NP</i> . "Typification of the name <i>Arctotis plantaginea</i> and names in the <i>Arctotis semipapposa</i> species complex (Asteraceae, Arctotideae)". Taxon. 2008. 57(4),1341-1346.	0.67
Peter,CI	
Larsen,M, <i>Peter,CI</i> , Johnson,SD and Olesen,JM. "Comparative biology of pollination systems in the African-Malagasy genus <i>Brownleea</i> (Brownleeinae: Orchidaceae)". Botanical Journal of the Linnean Society. 2008. 156(1),65-78.	0.25
<i>Peter,CI</i> and Johnson,SD. "Mimics and magnets: the importance of color and ecological facilitation in floral deception". Ecology. 2008. 89(6),1583- 1595.	0.50
Ramdhani,S and Barker,NP	
<i>Ramdhani,S, Barker,NP</i> and Baijnath,H. "Exploring the Afromontane centre of endemism: <i>Kniphofia Moench</i> (Asphodelaceae) as a floristic indicator". Journal of Biogeography. 2008. 35,2258-2273.	0.67
Ripley,BS	
Cunniff,J, Osborne,CP, <i>Ripley,BS</i> , Charles,M and Jones,G. "Response of wild C4 crop progenitors to subambient CO ₂ highlights a possible role in the origin of agriculture". Global Change Biology. 2008. 14(3),576-587.	0.20
van Grunsven,RHA, Bos,E, <i>Ripley,BS</i> , Suehs,CM and Veenendaal,E. "Release from soil pathogens plays an important role in the success of invasive <i>Carpobrotus</i> in the Mediterranean". South African Journal of Botany. 2008. 75(1),172-175.	0.20
Ripley,BS and Abraham,TI	
<i>Ripley,BS, Abraham,TI</i> and Osborne,. "Consequences of C4 photosynthesis for the partitioning of growth: a test using C3 and C4 subspecies of <i>Alloteropsis semialata</i> under nitrogen-limitation". Journal of Experimental Botany. 2008. 59(7),1705-1714.	0.67
Ripley,BS and DeWet,L	
<i>Ripley,BS, DeWet,L and Hill,MP</i> . "Herbivory-induced reduction in photosynthetic productivity of water hyacinth, <i>Eichhornia crassipes</i> (Martius) Solms-Laubach (Pontederiaceae), is not directly related to reduction in photosynthetic leaf area". African Entomology. 2008. 16(1), 140-142.	0.67

Teske,PR and Barker,NP	
<i>Nicastro,KR, Zardi,GI, McQuaid,CD, Teske,PR and Barker,NP.</i> "Coastal topography drives genetic structure in marine mussels ". Marine Ecology-Progress Series. 2008. 368,189-195.	0.40
Teske,PR, Papadopoulos,I and Barker,NP	
<i>Teske,PR, Papadopoulos,I, Newman,BK, Dworschak,PC, McQuaid, CD and Barker,NP.</i> "Oceanic dispersal barriers, adaptation and larval retention: an interdisciplinary assessment of potential factors maintaining a phylogeographic break between sister lineages of an African prawn". BMC Evolutionary Biology. 2008. 8(341),1-14.	0.50
White,AG and Ripley,BS	
<i>White,AG, Davies-Coleman,MT and Ripley,BS.</i> "Measuring and optimising umckalin concentration in wild-harvested and cultivated <i>Pelargonium sidoides</i> (Geraniaceae)". South African Journal of Botany. 2008. 74,260-267.	0.67
TOTAL	13.87

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Barker	Mmonwa	M	0.5
TOTAL			0.5

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
PROTA 11(1) Medicinal plants 1	<i>Azima tetracantha</i>	Dold AP

CENTRE FOR HIGHER EDUCATION RESEARCH, TEACHING AND LEARNING (CHERTL)

This year staff from the CHERTL presented sixteen papers at national and international conferences. The topics of the papers covered a range of issues related to higher education including student learning, ICTs in teaching & learning, academic staff development, quality assurance, curriculum development and service learning. Chrissie Boughey and Judith Reynolds published articles in international journals and Dina Belluigi published a book chapter on the evaluation of teaching and courses in higher education. As in previous years, the Centre continues to enjoy success of postgraduate students. At the 2008 graduation ceremony the following qualifications were awarded to students supervised by staff of CHERTL: Postgraduate Diploma in Higher Education (13), Postgraduate Diploma in Education (1), MEd (1), and PhD (1).

2008 also marked a new development for the Centre in the award of contracts to conduct research. In the course of the year, two contracts were awarded, one was for research on Third Stream Income by the Kresge Foundation and another for a meta-analysis of teaching and learning at five research intensive South African universities by the Higher Education Quality Committee.

PROFESSOR CHRISSIE BOUGHEY
DEAN AND HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Belluigi,DZ

Belluigi,DZ. "Making allowance for doubt: arguing for validity in evaluation processes". In: Understanding learning-centred higher education. Copenhagen Business School Press. Copenhagen. First Edition. 2008. 175-192. ISBN: 978-87-630-0219-6.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Boughey,C

Boughey,C. "Educational Development in South Africa: From Social Reproduction to Capitalist Expansion?". *Higher Education Policy*. 2007. 20,5-18.

Boughey,C. "Texts, practices and student learning: a view from the south". *International Journal for Educational Research*. 2008. 47,192-199.

Reynolds,J

Reynolds,J. "Changing from a separate to a semi-integrated foundation programme: curriculum implications". *Education as Change*. 2008. 12(1),81-93.

Stephenson,S

Botha,J, Favish,J and Stephenson,S. "Institutional audits: a comparison of the experiences of three South African universities". *Quality in Higher Education*. 2008. 14(1),

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Chibaya,C

Chibaya,C. "An innovative curriculum for educationally disadvantaged candidates". *EDUVATE*. University of Pretoria , Pretoria. South Africa. June 2008.

Chibaya,C. "A negotiated curriculum for educationally disadvantaged candidates". *First Southern African Conference on the First Year Experience*. University of Stellenbosch , Stellenbosch. South Africa. September 2008.

Chibaya,C. "An innovative curriculum for science foundation students ". *Joint Conference of the South African Association for Research and Development in Higher Education and the Higher Education Learning and Teaching Association of Southern Africa*. Rhodes University, Grahamstown. South Africa. December 2008.

Chibaya,C and Bangay,S. "The relationship between emergence of the shortest path and information value using ant-like agents". *The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists on IT Research in Developing Countries*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008.

Chibaya,C and Bangay,S. "The relationship between emergence of the shortest path and information value using ant-like agents". *The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists on IT research in developing countries*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008. 27-34.

Eybers,O

Eybers,O. "Theoretical and practical considerations in designing the English language for academic purposes module at Rhodes University". *English Academy International Conference on the Humanities in Southern Africa*. University of Pretoria , Pretoria. South Africa. June 2008.

Eybers,O. "Peer facilitation: theory and practical methods of inducting first year students into the uses of discourse in academia". *First Southern African Conference on the First Year Experience*. University of Stellenbosch, Stellenbosch. South Africa. September 2008.

Mostert,M

Snowball,JD and Mostert,M. "Developing communities of practice in large class teaching: tutorials and online discussion forums". *Joint Conference of the South African Association for Research and Development in Higher Education and the Higher Education Learning and Teaching Association of Southern Africa*. Rhodes University, Grahamstown. South Africa. December 2008.

Mostert,M and Quinn,L

Mostert,M and Quinn,L. "Using ICTs in teaching and learning: reflections on professional development of academic staff". *e/merge 2008 Online Conference*. University of Cape Town , Cape Town. South Africa. July 2008.

Quinn,L and Boughey,C

Quinn,L and Boughey,C. "Institutional audit: a social realist analysis". *Higher Education Close-Up 4*. University of Cape Town, Cape Town. South Africa. July 2008.

Reynolds,J

Reynolds ,J. "Lines in the sand: negotiating the boundaries between academic disciplines ". *Higher Education as a Social Space: Joint Conference of the South African Association for Research and Development in Higher Education and the Higher Education Learning and Teaching Association of Southern Africa*. Rhodes University , Grahamstown. South Africa. December 2008.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

ii. International Conferences

Boughey,C

Boughey,C. "An analysis of foundation provision in South African higher education 2007 - 2009". *Paris International Conference on Education, Economy and Society*. Novotel Eiffel Tower, Paris. France. July 2008.

Chibaya,C

Chibaya,C and Bangay,S. "Flock-inspired area coverage using wireless boid-like sensor agents". *10th International Conference on Computer Modeling and Simulation (UKSIM 2008)*. University of Cambridge, Cambridge. United Kingdom. April 2008. 144-149.

Hlengwa,A

Hlengwa,A. "Infusing service learning: a Bernsteinian account". *Annual Conference of Higher Education Research Development Society of Australasia*. Millenium Hotel , Roturua. New Zealand. July 2008.

Mostert,M

Snowball,JD and *Mostert,M.* "Introducing a learning management system in a large first year class: the impact on lecturers and students". *3rd International Conference on eLearning*. University of Cape Town, Cape Town. South Africa. June 2008.

Quinn,L

Quinn,L. "Understanding resistance: an analysis of discourses in academic staff development in higher education ". *Paris International Conference on Education, Economy and Society*. Novotel Eiffel Tower, Paris. France. July 2008.

Reynolds,J

Reynolds,J. "Writing in anthropology". *Writing Development in Higher Education*. University of Strathclyde, Strathclyde. United Kingdom. June 2008.

JOURNAL SUBSIDY UNITS	UNITS
Boughey,C	
<i>Boughey,C.</i> "Educational Development in South Africa: From Social Reproduction to Capitalist Expansion?". <i>Higher Education Policy</i> . 2007. 20,5-18.	1.00
Reynolds,J	
<i>Reynolds,J.</i> "Changing from a separate to a semi-integrated foundation programme: curriculum implications". <i>Education as Change</i> . 2008. 12(1),81-93.	1.00
TOTAL	2.00

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Boughey	Oltmann	D	1.5
Boughey	Thomson	D	1.5
Quinn	Du Toit	M	0.5
Vorster	Van Niekerk	M	0.5
TOTAL			4.0

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Understanding learning-centred higher education	Making allowance for doubt: arguing for validity in evaluation process	Belluigi, DZ

CHEMISTRY

Undoubtedly the highlight for the Department of Chemistry in 2008 was news of the award of the 2009 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 from each of five world regions by a panel of former Nobel prize-winners. Professor Nyokong is the laureate for Africa and the Arab states for 2009. The new Professor of Analytical Chemistry, Professor Nelson Torto, joined the Department in July, 2008. After his arrival Professor Torto also learned that he was to be a recipient of the 2008 American Chemical Society Division of Analytical Chemistry Award for Young Investigators in Separation Science and this news provided yet another highlight for the Department. Both Professor Nyokong and Professor Torto received their awards in March 2009 at functions in Paris and Chicago respectively. Professor Mike Davies-Coleman was also elected a Fellow of the Royal Society of South Africa.

The DST-Mintek Nanotechnology Innovation Centre (Sensors), under the direction of Professor Tebello Nyokong, continues to flourish and was visited by the NRF board in 2008. New research equipment including an elemental analyser and a Raman spectrophotometer were commissioned in the DST-Mintek Nanotechnology Innovation Centre in 2008. Other visitors to the Centre and Department in 2008 included: Dr Stephen Ashworth from the University of East Anglia; Dr Fethi Bedioui from the CNRS (France); Professor Nagao Kobayashi from Tohoku University; Dr Larry Shaibu from the University of Lagos; Dr Boitumelo Kgarebe and Ambassador Kalima Mworio from the Organisation for the Prohibition of Chemical Weapons, and Dr Josiah Ouma from Egerton University in Kenya. The 2008 Barker Lecture was delivered by chemistry education specialist Professor Bette Davidowitz from the University of Cape Town.

Postgraduate research remained the mainstay of our Department in 2008 with a large cohort of 47 post-doctoral, PhD, MSc and Honours students working in a variety of fields including electrochemistry, photochemistry, nanotechnology, inorganic and organic synthesis, thermal analysis and natural product chemistry. A record number of PhD (7) and MSc (5) chemistry graduands received their degrees at the April graduation ceremony. The Department continued to celebrate the diversity of its post-graduate student body which originates from all corners of our continent including Lesotho, Namibia, Nigeria and Zimbabwe and even further afield, namely Turkey and New Zealand. Eight of our post-graduate students had the opportunity to carry out collaborative research in laboratories in France, United Kingdom, Germany and Japan. During 2008 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

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Antunes,E and Nyokong,T

Antunes,E and Nyokong,T. "Synthesis and photophysical properties of tetra- and octasubstituted phosphorous oxide triazatetrabenzcorrole photosensitizers". *Metal Based Drugs*. 2008. 9-10.

Chauke,V and Nyokong,T

Chauke,V and Nyokong,T. "Photocatalytic oxidation of 1-hexene using GaPc and InPc octasubstituted derivatives". *Journal of Molecular Catalysis A-Chemical*. 2008. 289,9-13.

Chidawanyika,W, Antunes,E and Nyokong,T

Chidawanyika,W, Antunes,E and Nyokong,T. "Synthesis and solvent effects on the photophysicochemical properties of novel cadmium phenoxy phthalocyanines". *Journal of Photochemistry and Photobiology A-Chemistry*. 2008. 195,183-190.

Davies-Coleman,MT

Igbini,EE, Atkins,S, van Breugel,Y, van Dyke,S, Davies-Coleman,MT and Rose,PD. "Fungal biodegradation of hard coal by a newly reported isolate *Neosartorya fischeri*". *Biotechnology Journal*. 2008. 3,1407-1416.

Keyzers,RA, Daoust,J, Davies-Coleman,MT, Van Soest,R, Balgi,A, Donohue,E, Roberge,M and Andersen,RJ. "Autophagy-modulating aminosteroids isolated from the sponge *Cliona celata*". *Organic Letters*. 2008. 10(14),2959-2962.

White,AG, Davies-Coleman,MT and Ripley,BS. "Measuring and optimising umckalin concentration in wild-harvested *Pelargonium sidoides* (Geraniaceae)". *South African Journal of Botany*. 2008. 74,260-267.

White,AG, Davies-Coleman,MT and Ripley,BS. "Measuring and optimising umckalin concentration in wild-harvested and cultivated *Pelargonium sidoides* (geraniaceae)". *South African Journal of Botany*. 2008. 74,260-267.

Durmus,M and Nyokong,T

Durmus,M and Nyokong,T. "Photophysicochemical and fluorescence quenching studies of benzyloxyphenoxy-substituted zinc phthalocyanines". *Spectrochimica Acta Part A-Molecular & Biomolecular Spectroscopy*. 2008. 69,1170-1177.

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Sehlotho,N, Griveau,S, Ruillé,N, Boutjita,M, Nyokong,T and Bedioui,F. "Electro-catalyzed oxidation of reduced glutathione and 2-mercaptoethanol by cobalt phthalocyanine-containing screen printed graphite electrodes". *Materials Science and Engineering C-Biomimetic and Supramolecular Systems*. 2008. 28,606-612.

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van Wyk,AWW, Gray,CA, Whibley,CE, Osoniyi,O, Hendricks,DT, Caira,MR and Davies-Coleman,MT. "Bioactive metabolites from the South African marine mollusk *Trimusculus costatus*". *Journal of Natural Products*. 2008. 71,420-425.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Adendorff,MR, van Wyk,AWW, Lobb,KA and Davies-Coleman,MT**

Adendorff,MR, van Wyk,AWW, Lobb,KA, Caira,MR and Davies-Coleman,MT. "A novel non-oligomeric supramolecular zipper ". *Binational Organic Chemistry Conference (Germany/South Africa)*. Berg en Dal, Kruger National Park. South Africa. September 2008.

Akinbulu,IA and Nyokong,T

Akinbulu,IA and Nyokong,T. "Electrocatalytic detection of parathion on cobalt tetrasulfonated phthalocyanine modified glassy carbon electrode". *39th National Convention of the South African Chemical Institute*. University of Stellenbosch, Stellenbosch. South Africa. November 2008.

Brown,ME, Duggan,AR, Ganto,MM, Kaye,PT, Klein,RA, Lobb,KA, Mciteka,M, Molefe,DM and Nyoni,D

Brown,ME, Duggan,AR, Ganto,MM, Kaye,PT, Klein,RA, Lobb,KA, Mciteka,M, Molefe,DM and Nyoni,D. "Synthetic and mechanistic studies of Baylis-Hillman-type reactions". *BOCC'08 Bi-national Organic Chemistry Conference*. Kruger National Park. South Africa. September 2008.

Chauke,V and Nyokong,T

Chauke,V and Nyokong,T. "Electrochemical oxidation of endocrine disrupting chemicals using cobalt metallophthalocyanines as catalysts". *39th National Convention of the South African Chemical Institute*. University of Stellenbosch, Stellenbosch. South Africa. November 2008.

Conibear,A, Gxoyiya,B, Kaye,PT, Klein,R, Lobb,KA, Mutorwa,M, Salisu,S and Truscott,B

Blatch,GL, Conibear,A, Goble,JL, Gxoyiya,B, Kaye,PT, Kenyon,C, Klein,R, Lobb,KA, Mutorwa,M, Salisu,S, Truscott,B and Stephens,LL. "Enzyme-inhibition strategies in the development of novel anti-malarial and anti-tuberculosis drugs". *BOCC'08 Bi-national Organic Chemistry Conference*. Kruger National Park. South Africa. September 2008.

Davies-Coleman,MT

Davies-Coleman,MT. "Meandering amongst the mollusca. A journey of diterpene discovery". *Binational Organic Chemistry Conference (Germany/South Africa)*. Berg en Dal, Kruger National Park. South Africa. September 2008.

Davies-Coleman,MT. "An overview of Southern African marine natural product resources". *Developing new strategies for natural product based drug discovery for tropical diseases*. Breakwater Lodge, Cape Town. South Africa. November 2008.

Davies-Coleman,MT. "Cures from the deep: trawling South Africa's oceans for new pharmaceuticals". *South African Chemical Institute 39th Convention*. University of Stellenbosch, Stellenbosch. South Africa. December 2008.

Kaye,PT

Kaye,PT. "NMR methods in physical organic chemistry". *Bruker Users' Meeting*. Ghost Mountain Inn, KwaZulu-Natal. South Africa. July 2008.

Kaye,PT. "Mechanisms: making sense of complexity". *BOCC'08 Bi-national Organic Chemistry Conference*. Kruger National Park, Kruger National Park. South Africa. September 2008.

Kaye,PT, Klein,RA, Lee,Y-C, Lobb,KA, Molefe,DM, Rashamuse,TJ and Tukulula,M

Blatch,GL, Kaye,PT, Klein,RA, Lee,Y-C, Lobb,KA, Molefe,DM, Rashamuse,TJ and Tukulula,M. "Design and synthesis of novel HIV-1 protease and integrase inhibitors". *BOCC'08 Bi-national Organic Chemistry Conference*. Kruger National Park, Kruger National Park. South Africa. September 2008.

Khene,S and Nyokong,T

Khene,S and Nyokong,T. "Synthesis, electrochemical studies of tetra- and octa-substituted dodecyl-mercapto tin phthalocyanines in solution and as self assembled monolayers". *1st International Symposium on Electrochemistry*. University of the Western Cape, Bellville. South Africa. July 2008.

Matemadombo,F, Durmus,M and Nyokong,T

Matemadombo,F, Durmus,M and Nyokong,T. "Biological electroanalysis using metallophthalocyanine modified electrodes". *1st International Symposium on Electrochemistry*. University of the Western Cape, Bellville. South Africa. July 2008.

Mugadza,T and Nyokong,T

Mugadza,T and Nyokong,T. "MPc-SWCNTs modified glassy carbon electrode for electrochemical detection of pesticides". *39th National Convention of the South African Chemical Institute*. University of Stellenbosch, Stellenbosch. South Africa. November 2008.

Nombona,N and Nyokong,T

Nombona,N, Hakuzimana,J, Westbroek,P and Nyokong,T. "Electrochemical detection of L-cysteine using phthalocyanine self assembled monolayers on gold ultramicroelectrodes and gold coated yarns". *1st International Symposium on Electrochemistry*. University of the Western Cape, Bellville. South Africa. July 2008.

Nyokong,T

Nyokong,T. "Combination therapy of cancer using laser light, red light absorbing dyes and nanoparticles". *The World Association of Laser Therapy 2008 Conference*. Sun City, Johannesburg. South Africa. October 2008.

Nyokong,T. "Electrochemical sensor development based on metallophthalocyanines and nanostructured materials". *39th National Convention of the South African Chemical Institute*. University of Stellenbosch, Stellenbosch. South Africa. November 2008.

Nyokong,T. "Librarians conference: innovative user group conference". *Librarians conference: Innovative User Group Conference*. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. November 2008.

Ogunbayo,BT and Nyokong,T

Ogunbayo,BT and Nyokong,T. "Pt ions binding behaviors of thio derivatised phthalocyanines". *39th National Convention of the South African Chemical Institute*. University of Stellenbosch, Stellenbosch. South Africa. November 2008.

Sunassee,S, Van Wyk,AWW, Bromley,CL and Davies-Coleman,MT

Sunassee,S, Van Wyk,AWW, Osoniyi,O, Bromley,CL, Hendricks,DT and Davies-Coleman,MT. "Synthesis and cytotoxicity of analogues of the marine secondary metabolite, 2-deoxylapachol". *Binational Organic Chemistry Conference (Germany/South Africa)*. Berg en Dal, Kruger National Park. South Africa. September 2008.

van Wyk,AWW, Young,RM, Lobb,KA and Davies-Coleman,MT

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Watkins,GM, Lobb,KA and Abel,S

Watkins,GM, Lobb,KA, Abel,S and Burton,MK. "DFT Molecular Dynamics investigation of the inclusion behaviour of a MOF material". *CHPC2008, Centre for High Performance Computing*. University of Kwa-Zulu Natal, Durban. South Africa. December 2008.

Watkins,GM, Lobb,KA, Abel,S and Burton,MH. "DFT molecular dynamics investigation of the inclusion behaviour of a MOF material". *39th Convention of the South African Chemical Institute*. Stellenbosch University, Stellenbosch. South Africa. December 2008.

Wellington,KW, Kaye,PT, Nyokong,T and Watkins,GM

Wellington,KW, Kaye,PT, Nyokong,T and Watkins,GM. "Design and synthesis of dinuclear ni(II) complexes: potential urease mimics". *Bio-08 South African Society of Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. South Africa. January 2008.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

ii. International Conferences

Antunes,E and Nyokong,T

Antunes,E and Nyokong,T. "The effect of the phthalocyanine core structure on the photophysical and spectroscopic properties of phosphorous macrocycles". *5th International Conference on Porphyrins and Phthalocyanines*. Moscow. Russia. July 2008.

Chidawanyika,W and Nyokong,T

Chidawanyika,W, Shimizu,S, Mack,J, Kobayashi,N and Nyokong,T. "Innovations in the development of low symmetry phthalocyanine derivatives". *5th International Conference on Porphyrins and Phthalocyanines*. Moscow. Russia. July 2008.

Davies-Coleman,MT

Davies-Coleman,MT. "Southern Africa's marine ecosystems: untapped reservoirs of biomolecular diversity and pharmaceutical potential". *IOCD-ISDNP International Symposium on Natural Products*. Mowana Safari Lodge, Kasane. Botswana. February 2008.

Durmus,M and Nyokong,T

Durmus,M, Ahsen,V and Nyokong,T. "The photophysical and photochemical properties of novel water-soluble phthalocyanines". *International Conference on Porphyrins and Phthalocyanines*. Moscow. Russia. July 2008.

Saydon,N, Durmus,M, Yaman,H, Dizge,M G, Gürek,AG, Ahsen,V and Nyokong,T. "Water soluble phthalocyanines mediated photodynamic effect on matrix metalloproteinases activity of mesothelioma cells". *International Conference on Porphyrins and Phthalocyanines*. Moscow. Russia. July 2008.

Gxoyiya,B, Lobb,KA, Molefe,DM, Mutorwa,M, Nchinda,AT, Rashamuse,TJ, Rose,N, Salisu,S, Klein,RA and Kaye,PT

Goble,JL, Gxoyiya,B, Lobb,KA, Molefe,DM, Mutorwa,M, Nchinda,AT, Prasad-Vijayan,PR, Rashamuse,TJ, Rose,N, Salisu,S, Stephens,L, Blatch,GL, Kenyon,C, Klein,RA and Kaye,PT. "Enzyme-inhibition strategies in the rational design and synthesis of medicinal compounds". *European Science Foundation ESF-COST High-Level Research Conference*. Hotel Villa del Mare, Acquafredda di Maratea. Italy. May 2008.

Idowu,M and Nyokong,T

Idowu,M and Nyokong,T. "Spectroscopic interactions of cationic metallophthalocyanine and anionic quantum dots". 5th International Conference on Porphyrins and Phthalocyanines. Moscow. Russia. July 2008.

Lamprecht,E, Watkins,GM and Young,RM

Lamprecht,E, Watkins,GM and Young,RM. "Dehydration/resolution studies of a metal organic framework compound involving nickel(II) and 1, 2, 4, 5-benzenetetracarboxylic acid". 38th International Conference of Coordination Chemistry. Jerusalem. Israel. July 2008.

Mashazi,P, Tshikudo,RT and Nyokong,T

Mashazi,P, Moutloali,R, Tshikudo,RT, Van der Lingen,E and Nyokong,T. "Conjugation and immobilization of biomolecules onto functionalized substrates: their electrical and optical applications". Electrochemistry Symposium. Prague. Czech Republic. June 2008.

Moeno,S and Nyokong,T

Moeno,S and Nyokong,T. "Photophysical behaviour of phthalocyanine – quantum dots conjugates". 5th International Conference on Porphyrins and Phthalocyanines. Moscow. Russia. July 2008.

Nyokong,T

Nyokong,T. "Phthalocyanine optical spectroscopy and photophysics: the effect of biomolecules and nanoparticles". 5th International Conference on Porphyrins and Phthalocyanines. Moscow. Russia. July 2008.

Zaga,JH and Nyokong,T. "Electrooxidation of hydrazine on GC electrodes modified with functionalized SWCNT with CoPc". 59th Annual Meeting of the International Society of Electrochemistry. Seville. Spain. September 2008.

Tshentu,ZR

Tshentu,ZR. "Rhenium complexes of pyridylimidazole ligands: a highlight of stereochemistry". International symposium on Technetium and Rhenium Chemistry-IST2008. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. October 2008.

INTERNATIONAL VISIT**Davies-Coleman,MT**

Davies-Coleman,MT. Department of Chemistry, Bristol University, Bristol, United Kingdom. Chemistry outreach collaboration and presentation of research lecture. 1 - 4 July 2008.

Davies-Coleman,MT. Department of Chemistry, York University, York, United Kingdom. Presentation of research lecture. 8 July 2008.

Idowu,M

Idowu,M. Justus-Liebig University Giessen Institute of Applied Physics, Giessen, Germany. Bilateral agreement. 8 August - 7 October 2008.

Khene,S and Britton,J

Khene,S and Britton,J. Tohoku University, Sendai, Japan. Bilateral agreement. 31 August - 30 December 2008.

Khene,S and Chauke,V

Khene,S and Chauke,V. University of East Anglia, Norwich, United Kingdom. Bilateral agreement. 15 February - 30 April 2008.

Masilela,N

Masilela,N. Justus-Liebig University Giessen Institute of Applied Physics, Giessen, Germany. Bilateral agreement. 16 October - 19 December 2008.

Mbambisa,G

Mbambisa,G. Tohoku University, Sendai, Japan. Bilateral agreement. 1 November - 30 April 2007.

Nyokong,T

Nyokong,T. Universidaad de Santiago de Chile, Santiago, Chile. Collaboration. 15 - 24 January 2008.

Nyokong,T. Prof Nagao Kobayashi, Tohoku University, Sendai, Japan. Research Collaboration. 7-11 March 2008.

Nyokong,T. Dr Fethi Bedioui, Ecole Nationale Supérieure de Chimie de Paris, France. Research Collaboration. 21 March - 10 April 2008.

Nyokong,T. Dr Stephen Ashworth, University of East Anglia, Norwich, UK. Research Collaboration/SciFest. 13-24 April 2008.

Nyokong,T. Unité de Pharmacologie Chimique et Génétique, France. Bilateral agreement. 25 April - 5 May 2008.

Nyokong,T. Istanbul University of Technology, Istanbul, Turkey. Collaboration. 12 - 17 July 2008.

Nyokong,T. Gebze Institute of Technology, Gebze-Kocaeli, Turkey. Collaboration. 12 - 17 July 2008.

Nyokong, T. Tohoku University, Sendai, Japan. Collaboration. 5 - 13 October 2008.

Tshentu,ZR

Tshentu,ZR. University of Florence, Florence, Italy. Research collaboration. 29 June - 25 July 2008.

DISTINGUISHED VISITORS**Nyokong,T**

Professor T Nyokong. University of Cape Town, Cape Town, South Africa. Invited to present the 25th PD Hahn Lecture, University of Cape Town. Oct 2008.

Shaibu,RO

Dr RO Shaibu. University of Lagos, Lagos, Nigeria. Research, collaboration and knowledge transfer (OPCW internship). Oct - Dec 2008.

JOURNAL SUBSIDY UNITS	UNITS
Chauke,V and Nyokong,T	
<i>Chauke,V and Nyokong,T.</i> "Photocatalytic oxidation of 1-hexene using GaPc and InPc octasubstituted derivatives". Journal of Molecular Catalysis A-Chemical. 2008. 289,9-13.	1.00
Chidawanyika,W, Antunes,E and Nyokong,T	
<i>Chidawanyika,W, Antunes,E and Nyokong,T.</i> "Synthesis and solvent effects on the photophysical properties of novel cadmium phenoxy phthalocyanines". Journal of Photochemistry and Photobiology A- Chemistry. 2008. 195,183-190.	1.00
Davies-Coleman,MT	
<i>Keyzers,RA, Daoust,J, Davies-Coleman,MT, Van Soest,R, Balgi,A, Donohue, E, Roberge,M and Andersen,RJ.</i> "Autophagy-modulating aminosteroids isolated from the sponge <i>Cliona celata</i> ". Organic Letters. 2008. 10(14),2959-2962.	0.13
<i>White,AG, Davies-Coleman,MT and Ripley,BS.</i> "Measuring and optimising umckalin concentration in wild-harvested <i>Pelargonium sidoides</i> (Geraniaceae)". South African Journal of Botany. 2008. 74,260-267.	0.34
Durmus,M and Nyokong,T	
<i>Durmus,M and Nyokong,T.</i> "Photophysical and fluorescence quenching studies of benzyloxyphenoxy- substituted zinc phthalocyanines ". Spectrochimica Acta Part A-Molecular & Biomolecular Spectroscopy. 2008. 69, 1170-1177.	1.00
Durmus,M, Zhao,ZX and Nyokong,T	
<i>Durmus,M, Chen,JY, Zhao,ZX and Nyokong,T.</i> "Energy transfer in zinc porphyrin-phthalocyanine heterotrimer and heterononamer studied by fluorescence resonance energy transfer (FRET)".	0.75

Spectrochimica Acta Part A-Molecular & Biomolecular Spectroscopy. 2008. 70,42-49.	
Galwey,AK	
Galwey,AK. "What can we learn about the mechanisms of thermal decompositions of solids from kinetic measurements?". Journal of Thermal Analysis and Calorimetry. 2008. 92(3),967-983.	1.00
Geraldo ,DA and Nyokong,T	
Geraldo ,DA, Togo,CA, Limson,JL and Nyokong,T. "Electrooxidation of hydrazine catalyzed by noncovalently functionalized single-walled carbon nanotubes with CoPc". Electrochimica Acta. 2008. 53(27), 8051-8057.	0.50
Idowu,M and Nyokong,T	
Idowu,M and Nyokong,T. "Photosensitizing properties of octacarboxy metallophthalocyanines in aqueous medium and their interaction with bovine serum albumin". Journal of Photochemistry and Photobiology A-Chemistry. 2008. 200,396-401.	1.00
Idowu,M and Nyokong,T. "Synthesis, photophysics and photochemistry of tin (IV) phthalocyanine derivatives". Journal of Photochemistry and Photobiology A-Chemistry. 2008. 199,282-290.	1.00
Idowu,M and Nyokong,T. "Photophysical and photochemical properties of tetrasulfonated silicon and germanium phthalocyanine in aqueous and non-aqueous media". Journal of Photochemistry and Photobiology A-Chemistry. 2008. 197,273-280.	1.00
Ma,J, Chen,JY, Idowu,M and Nyokong,T. "Generation of singlet oxygen via the composites of water-soluble thiol-capped CdTe quantum dots-sulfonated aluminium phthalocyanines". Journal of Physical Chemistry B. 2008. 112(15),4465-4469.	0.50
Idowu,M, Chen,JY and Nyokong,T. "Photoinduced energy transfer between water soluble CdTe quantum dots and aluminium tetrasulfonated phthalocyanine". New Journal of Chemistry. 2008. 32,290-296.	0.67
Idowu,M, Lamprecht,E and Nyokong,T	
Idowu,M, Lamprecht,E and Nyokong,T. "Interaction of water soluble thiol capped CdTe quantum dots and bovine serum albumin". Journal of Photochemistry and Photobiology A-Chemistry. 2008. 198,7-12.	1.00
Kaye ,PT and Watkins,GM	
Wellington,KW , Kaye ,PT and Watkins,GM. "Designer ligands. Part 14. Novel Mn(II), Ni(II) and Zn(II) complexes of benzamide- and biphenyl- derived ligands". Arkivoc. 2008. xvii,248-264.	0.67
Khene,S, Geraldo,DA and Nyokong,T	
Khene,S, Geraldo,DA, Togo,CA, Limson,JL and Nyokong,T. "Synthesis, electrochemical characterization of tetra- and octa-substituted dodecyl-mercapto tin phthalocyanines in solution and as self assembled monolayers ". Electrochimica Acta. 2008. 54,183-191.	0.60
Marais,E and Nyokong,T	
Marais,E and Nyokong,T. "Adsorption of 4-nitrophenol onto Amberlite® IRA-900 modified with metallophthalocyanines ". Journal of Hazardous Materials. 2008. 152,293-301.	1.00
Marais,E, Antunes,E and Nyokong,T	
Marais,E, Antunes,E and Nyokong,T. "Photocatalytic transformation of 4-nitrophenol in aqueous media using suspended water insoluble metallophthalocyanine complexes ". Journal of Coordination Chemistry. 2008. 61(23),3727-3739.	1.00
Matemadombo,F and Nyokong,T	
Matemadombo,F, Griveau,S, Bedioui,F and Nyokong,T. "Electrochemical characterization of self-assembled monolayer of a novel manganese tetrabenzylthiosubstituted phthalocyanine and its use in nitrite oxidation". Electroanalysis. 2008. 20(17),1863-1872.	0.50
Mbambisa,G and Nyokong,T	
Mbambisa,G and Nyokong,T. "Synthesis and electrochemical characterization of a near infrared absorbing oxo vanadium(IV) octapentylthio- phthalocyanine". Polyhedron. 2008. 27,2799-2804.	1.00
Modibane,DK and Nyokong,T	
Modibane,DK and Nyokong,T. "Synthesis and photophysical properties of lead phthalocyanines". Polyhedron. 2008. 27,1102-1110.	1.00
Moeno,S and Nyokong,T	
Moeno,S and Nyokong,T. "The photophysical studies of mixtures of CdTe quantum dots with negatively charged zinc phthalocyanines". Polyhedron. 2008. 27,1953-1958.	1.00
Nombona,N, Tau,P, Sehloho,N and Nyokong,T	

<i>Nombona,N, Tau,P, Sehlotho,N and Nyokong,T. "Electrochemical and electrocatalytic properties of alpha-substituted manganese and titanium phthalocyanines". Electrochimica Acta. 2008. 53,3139-3148.</i>	1.00
Nyokong,T	
<i>Villagra,EV, Bedioui,F, Nyokong,T, Canales,JC, Sancy,M, Pérez,MA, Costamagna,J and Zagal,JH. "Tuning the redox properties of Co-N4 macrocyclic complexes for the catalytic electrooxidation of glucose". Electrochimica Acta. 2008. 53,4883-4888.</i>	0.13
<i>Nyokong,T. "Electrocatalytic and photosensitizing behaviour of MPc complexes". Journal of Porphyrins and Phthalocyanines. 2008. 12(9),1005-1021.</i>	1.00
<i>Claußen,JA, Ochoa,M, Pérez,M, Costamagna,J, Nyokong,T, Bedioui,F and Zagal,JH. "Volcano correlations for the reactivity of surface-confined cobalt- N4-macrocyclics for the electrocatalytic oxidation of 2-mercaptoacetate". Journal of Solid State Electrochemistry. 2008. 12,473-481.</i>	0.14
Ogunsipe,O, Durmus,M and Nyokong,T	
<i>Ogunsipe,O, Durmus,M, Atilla,A, Gürek,AG, Ahsen,V and Nyokong,T. "Synthesis, photophysical and photochemical studies on long chain zinc phthalocyanine derivatives". Synthetic Metals. 2008. 158,839-847.</i>	0.50
Sehlotho,N and Nyokong,T	
<i>Sehlotho,N, Griveau,S, Ruillé,N, Boutjita,M, Nyokong,T and Bedioui,F. "Electro-catalyzed oxidation of reduced glutathione and 2-mercaptoethanol by cobalt phthalocyanine-containing screen printed graphite electrodes". Materials Science and Engineering C-Biomimetic and Supramolecular. 2008. 28,606-612.</i>	0.34
Sehlotho,N, Durmus,M and Nyokong,T	
<i>Sehlotho,N, Durmus,M, Ahsen,V and Nyokong,T. "The synthesis and electrochemical behaviour of water soluble manganese phthalocyanines: anion radical versus Mn(I) species". Inorganic Chemistry Communications. 2008. 11,479-483.</i>	0.75
Siswana,M and Nyokong,T	
<i>Siswana,M, Ozoemena,KI and Nyokong,T. "Electrocatalytic detection of amitrole on the multi-walled carbon nanotube- Iron(II) Tetra- aminophthalocyanine platform". Sensors. 2008. 8,5096-5105.</i>	0.67
van Wyk,AWW, Gray,CA and Davies-Coleman,MT	
<i>van Wyk,AWW, Gray,CA, Whibley ,CE, Osoniyi,O, Hendricks,DT, Caira,MR and Davies-Coleman,MT. "Bioactive metabolites from the South African marine mollusk <i>Trimusculus costatus</i>". Journal of Natural Products. 2008. 71,420-425.</i>	0.43
TOTAL	22.62

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Kaye	Tukulula	M	0.5
Kaye	Ganto	D	3.0
Klein	Tukulula	M	0.5
Nyokong	Mbambisa	M	1.0
Nyokong	Modibane	M	1.0
Nyokong	Nombona	M	1.0
Nyokong	Idowu	D	3.0
TOTAL			10.0

COMPUTER SCIENCE

2008 was a year of sweeping change in the research profile of the Department of Computer Science.

Dr Peter Clayton was appointed from the Department into the prestigious new post of Deputy Vice-Chancellor: Research and Development at Rhodes University, beginning his new role in April 2008. While we celebrated this distinguished achievement, it also left us with substantial gaps, and some new opportunities. Professor Shaun Bangay was appointed to the vacant post after a comprehensive selection process that highlighted the strength of our internal applications relative to external applicants. Professor Alfredo Terzoli moved from his previous contract position in the Telkom Centre of Excellence into full-time academic ranks, and was appointed as the Head of the Centre at Rhodes, taking over from Dr Peter Clayton. The Centre of Excellence (CoE) in Distributed Multimedia continues to be the umbrella for the bulk of our research activity. Dr Hannah Thinyane (previously Slay) who was a postdoctoral fellow was appointed to the departmental academic staff, and shortly thereafter obtained an NRF Y category rating.

Professor Richard Foss continued his term as International Chairman of the Audio Engineering Society's (AES) subcommittee tasked with defining standards for audio transmission over high speed firewire *IEEE1394* networks. PhD candidate Philip Foulkes strengthened our involvement with the IEEE, by contributing to a two-week work group on protocol standardisation in Colorado in July 2008. The audio network product from our research group gained front page coverage in the magazine "Pro-Sound News" after demonstration at the Musik Messe in Frankfurt – the largest pro-audio/lighting convention in Europe. The industry ties with UMAN Networks saw their Chief Technical Officer, Mr Robby Gurdan, and members of their technical team visiting our lab for a series of three week-long visits during 2008.

Other 2008 highlights included

- PhD student Kevin Glass and Professor Shaun Bangay received best paper award at the IADIS International Conference on Computer Graphics and Visualization 2008, in Amsterdam in July 2008. Paper details: Kevin Glass and Shaun Bangay. Automating the creation of 3D animation from annotated fiction text. In Proceedings of the IADIS International Conference on Computer Graphics and Visualization 2008, pages 3-10, July 2008.
- Dr Hannah Thinyane and PhD student Mamello Thinyane were selected to represent Rhodes University in the finals of an international competition: SIMagine 2008 — the Worldwide Mobile Communication and Java Card developer contest (9th Edition). In 2007 participants submitted proposals for software to be deployed on cell phone "smart cards". The top 50 competitors were shortlisted and required to design and develop their solution. The Rhodes duo were selected for the final eight and travelled to Barcelona for the final round of judging. Although they did not win the competition, they came back from the finals with the Telecom Italia Mobile operators' award and a cheque for five thousand Euros.
- Masters student Amon Magadza won the best poster award at SAICSIT 2008 in Wilderness.
- Honours student Alastair Nottingham's software project won second prize in the interactive category at Microsoft's Imagine Cup Competition, held in December at the Champagne Sports Resort in the Drakensburg. An international panel of software experts adjudicated the entries.

The funding grant from the South Africa Norway Tertiary Education Development Programme (SANTED) kicked into its first year of capacity-building between the Computer Science Departments at Rhodes University and at the University of Namibia. Four honours-level modules were offered to UNAM participants using a "Virtual Classroom" technology, together with a series of short 2-4 day visits by each of the facilitators from Rhodes. A Namibian delegation also visited Rhodes for a joint meeting with representatives of SANTED. The programme will continue with its capacity-building first stage during 2009, and some refinement of the Virtual Classroom concepts and technology.

Further contributions to International standards and regulating bodies involved CoE interactions with the ITU, facilitated by Mr Paul Inglesby of Telkom. The CoE was at the South African ITU-R Feedback Session on WRC-07 (World Radiocommunication Conference), which included planning for WRC-11 (1st and 2nd of October). The CoE was also present at the 2008 ITU-T World Telecommunications Standardisation Assembly (WTSA-08). The CoE is actively working towards further contributions to the next ITU-T conference (Kaleidoscope) in 2009, with Prof Terzoli part of the organizing committee and track chair for Track 2. Two PhD students, Mosioua Tsietsi and Zelalem Shibeshi, were invited to take part in the works of the WTSA-08, held in Johannesburg in October, with full

financial support from the Department of Communication. Zelalem Shibeshi was subsequently invited to take part in work on standardization to help people with disabilities.

Ties to local and overseas researchers and research institutions were strengthened. International visitors and hosts included Dr. Patrizia Hongisto of the Helsinki School of Economics; Dr Thomas Magedanz of the Fraunhofer FOKUS Institute at TU Berlin; Dr Jameson Mbale of the University of Namibia; Prof Denis Riordan from Dalhousie University, Canada; Dr. Lauri Kuukasjarvi of COFISA¹; Prof Fabrizio Luccio and Prof Maurizio Bonuccelli of the University of Pisa, Prof Angiolino Stella, Vice-Chancellor of the University of Pavia; and Dr Jose Quenum, from Makerere University in Kampala. Locally, cooperations with the Nelson Mandela Institute for Education and Rural Development at the University of Fort Hare (Brian Ramadiro), the Meraka Institute (Dr. Kobus Roux), and the Joint Initiative on Priority Skills Acquisition (Dr. Claudia Reinhardt-Beck) were among some of the new forces we joined with this year.

The arrival and initiation of a PhD by candidate Zelalem Shibeshi cements the CoE relationship with the ETC Postgraduate School in IT in Ethiopia and represents the activation of a new African connection of the Centre. We now have strong academic ties with several Sub-Saharan countries, namely Namibia, Ethiopia, Uganda and Lesotho and will expand our presence in further countries (especially SADC) in 2009.

Siyakhula Living Lab

The rural field trial at Dwesa (formerly called the Dwesa Project or the Dwesa-Siyakhula Project) has been renamed the Siyakhula Living Lab. This reflects the central role that the community plays in the effort, as this name ("Siyakhula") was chosen by the community, and it includes a metaphor of a laboratory in which innovation is generated and tested via the continuous interaction of researchers and users ("Living Lab"). The living lab methodology is currently used to very good effect by telecommunication manufacturers such as Nokia in Finland but is still relatively unknown in South Africa.

In November 2008 the Siyakhula Living Lab was accepted into the European Network of Living Labs (EnoLL). Their goal is to develop best practice for specific scenarios, leading to excellent, reproducible results. The unique Living Lab context at Siyakhula and the new connections that we are making through the network – which is very active – bode well for the future of our rural testbed. The trial has matured to the extent that we are now able to leverage new projects even in times of economic downswing. This is demonstrated by the interest shown by the Department of Science and Technology, the participation by COFISA, the involvement of Nokia-Siemens Networks in testing their new hardware, overseas contacts such as the Calabar Foundation, as well as interest shown from the Eastern Cape government.

Mr Derek Hanekom, the Deputy Minister of Science and Technology, paid a visit to the Siyakhula Living Lab in November. He was very impressed by the work of the CoE and praised the support of the industries partners, suggesting that the model may be put to the test in 2009/2010 in terms of an extension of the project scale.

PROFESSOR GEORGE WELLS
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Bangay,S

Rivers-Moore,NA, Bangay,S and Palmer,RW. "Optimisation of Bacillus thuringiensis var. israelensis (Vectobac®) applications for the blackfly control programme on the Orange River, South Africa". Water SA. 2008. 34(2),193-198.

¹ COFISA: Cooperation Framework on Innovation Systems between Finland and South Africa.
<http://www.cofisa.org.za>

Glass,K and Bangay,S

Glass,K and Bangay,S. "Evaluating and improving morpho-syntactic classification over multiple corpora using pre-trained, "off-the-shelf", parts-of-speech tagging tools". *South African Computer Journal*. 2008. 40,4-10.

Slay,H and Sieborger,I

Hodgkinson,C, Slay,H and Sieborger,I. "Developing communities of practice within and outside higher education institutions". *British Journal of Educational Technology*. 2008. 39(3),433-442.

Slay,H, Sieborger,I and Hodgkinson-Williams,C. "Interactive whiteboards: real beauty or just "lipstick"?". *Computers & Education*. 2008. 51,1321-1341.

Slay,H, Sieborger,I and Hodgkinson-Williams,C. "A feasibility study on the use of 'smart' pens in teaching and learning environments". *South African Computer Journal*. 2008. 40,83-94.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Bangay,S**

Chibaya,C and Bangay,S. "The relationship between emergence of the shortest path and information value using ant-like agents". *The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists on IT Research in Developing Countries*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008.

Barnett,RJ and Irwin,B

Barnett,RJ and Irwin,B. "An evaluation of scan-detection algorithms in network intrusion detection systems". *7th Annual Information Security for South Africa (ISSA 2008) Innovative minds conference*. University of Johannesburg, Johannesburg. South Africa. July 2008. 533-542.

Barnett,RJ and Irwin,B. "An analysis of network scanning traffic as it relates to scan-detection in network intrusion detection systems". *Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 467-468.

Barnett,RJ and Irwin,B. "Towards a taxonomy of network scanning techniques". *The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT)*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008. 1-7.

Duff,K and Terzoli,A

Duff,K and Terzoli,A. "WIP: network-layer reservation TDM for 802.11 wireless mesh networks". *Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 479-480.

Halse,M

Halse,M and Mallinson,BJ. "Investigating popular internet applications as supporting e-learning technologies for teaching and learning with generation Y". *e/merge 2008*. online conference, online conference. South Africa. July 2008.

Irwin,BV and Friedman,B

Irwin,BV and Friedman,B. "Spam construction trends". *7th Annual Information Security for South Africa (ISSA 2008) Innovative minds conference*. University of Johannesburg, Johannesburg. South Africa. July 2008. 189-200.

Kerr,S and Slay,H

Kerr,S, Foster,G and Slay,H. "Vision based interaction techniques for mobile phones: current status and future directions". *Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 397-402.

Kerr,SB

Kerr,SB. "Finger based tracking for mobile phones". *The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT)*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008. 35-40.

Koller,A and Wright,M

Koller,A, Foster,G and Wright,M. "Java Micro Edition and Adobe Flash Lite for arcade-style mobile phone game development: a comparative study". *Annual Conference of the South African Institute of Computer Scientists and Information Technologists 2008*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008. 131-138.

Maema,M

Dalvit,L, Gunzo,F, Madwe,N and Maema,M. "A multi-disciplinary approach to HIV and AIDS education at Rhodes University". *Regional interdisciplinary postgraduate conference at NMMU*. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. September 2008.

Maema,M and Foster,G. "Backbase ajax framework and Adobe flex for rich internet application development: a comparative study". *10th Annual conference on World Wide Web applications*. University of Cape Town, Cape Town. South Africa. September 2008.

Maema,M and Terzoli,A

Maema,M, Terzoli,A and Dalvit,L. "An ontology-based telephony service for the provision of HIV/AIDS information". *Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 495-496.

Maema,M, Terzoli,A and Dalvit,L. "Ontologies for provision of HIV/AIDS information using telephony infrastructure". *The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT)*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008. 54-57.

Mulumba,P Wells,G and Clayton,P

Mulumba,P, Wells,G and Clayton,P. "An example of a simple cache system for a video streaming implementation within a network simulation". *Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 263-268.

Mulumba,P, Wells,G and Clayton,P. "An analysis framework for simulated video streaming networks". *South Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 507-508.

Pilkington,NVC and Irwin,B

Pilkington,NVC and Irwin,B. "A canonical implementation of the advanced encryption standard on the graphics processing unit". *7th Annual Information Security for South Africa*. University of Johannesburg, Johannesburg. South Africa. July 2008. 501-513.

Slay,H

Magadza,A, Foster,G and Slay,H. "Work in progress: investigation and design of a prototype cell phone enabled surveillance system of zoonotic disease outbreaks". *Annual Conference of the South African Institute of Computer Scientists and Information Technologists - Postgraduate Symposium*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008.

Slay,H and Mukadah,E

Slay,H, Foster,G and Mukadah,E. "Investigating the viability of scroll-wheel interfaced mobile phones for text entry". *The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT)*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008. 220-228.

Terzoli,A

Dalvit,L, Maseko,P, Nosilela,B, Mapi,T, Sam,M, Terzoli,A and Bailey,D. "The first translathon at Rhodes: localising Horde/Imap into isiXhosa". *10th Annual conference on World Wide Web applications*. University of Cape Town, Cape Town. South Africa. September 2008. 4-14.

Dalvit,L, Terzoli,A and Wolff,F. "Open source software and localisation in indigenous South African languages with Pootle". *Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 361-366.

Tsietsi,M, Terzoli,A and Wells,G

Tsietsi,M, Terzoli,A and Wells,G. "An open service delivery platform for adding value to softswitch-based telephony environments". *Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 527-528.

Tsietsi,M, Terzoli,A and Wells,GC

Tsietsi,M, Terzoli,A and Wells,GC. "Bridging the gap between peer to peer and conventional SIP networks". *Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 461-466.

van Schalkwyk,D and Wright,M

van Schalkwyk,D, Foster,G and Wright,M. "Java Micro Edition and Adobe Flash Lite for web-enabled mobile phone data services: a comparative study". *10th Annual Conference on World Wide Web Applications*. University of Cape Town, Cape Town. South Africa. September 2008.

Wells,D, Sieborger,I and Irwin,BV

Wells,D, Sieborger,I and Irwin,BV. "Location and mapping of 2.4GHz RF transmitters". *7th Annual Information Security for South Africa (ISSA 2008) Innovative Minds Conference*. University of Johannesburg, Johannesburg. South Africa. July 2008. 569-586.

Wells,D, Sieborger,I and Irwin,BV. "Mapping the location of 2.4GHz transmitters to achieve optimal usage of an IEEE 802.11 network". *Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 233-238.

Wright,M

Wright,M. "Challenge place and time: put a web server on your mobile phone". *10th Annual conference on World Wide Web applications*. University of Cape Town, Cape Town. South Africa. September 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Barnett,RJ and Irwin,B**

Barnett,RJ and Irwin,B. "Performance effects of concurrent virtual machine execution in VMware workstation 6". *International Conference on Systems, Computing Sciences and Software Engineering (SCSS 2008) a Subconference of the International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE)*. Online. December 2008.

Chibaya,C and Bangay,S

Chibaya,C and Bangay,S. "Flock-inspired area coverage using wireless boid-like sensor agents". *Tenth International Conference on Computer Modeling and Simulation (UKSIM 2008)*. Cambridge. UK. January 2008. 144-149.

Foulkes,P and Foss,R

Foulkes,P and Foss,R. "A grid-based approach to the remote control and recall of the properties of IEEE1394 audio devices". *124th AES Convention of the Audio Engineering Society*. RAI Convention Centre, Amsterdam. The Netherlands. May 2008.

Glass,K and Bangay,S

Glass,K and Bangay,S. "Automating the creation of 3D animation from annotated fiction text". *IADIS Multi Conference on Computer Science and Information Systems*. Amsterdam. The Netherlands. July 2008. 3-10.

Halse,M

Halse,M and Mallinson,BJ. "Investigating popular internet applications as supporting e-learning technologies for teaching and learning with generation Y". *E/merge 2008*. Online, Online. Online. January 2008.

Irwin,B and van Riel,J-P

Irwin,B and van Riel,J-P. "Using InetVis as a graphical aid to evaluate Snort and Bro scan detection algorithms". *2007 Workshop on Visualization for Cyber Security (VizSec2007)*. Park Hyatt, Sacramento, California. United States of America. October 2007.

Irwin,BV and Pilkington,N

Irwin,BV and Pilkington,N. "High level internet scale traffic visualization using hilbert curve mapping". *Workshop on Visualization for Computer Security*. Park Hyatt Hotel, Sacramento. United States of America. June 2008. 147-158.

Maema,M and Slay,H

Dalvit,L, Gunzo,F, Maema,M and Slay,H. "Exploring the use of ontologies in creating learning platforms: HIV and AIDS education at Rhodes University". *International Conference on Information Technology in Education (CITE 2008)*. Wuhan University, Wuhan. China. December 2008. 407-410.

Pilkington,NCV and Irwin,BV

Pilkington,NCV and Irwin,BV. "An investigation into the performance of general sorting of graphics processing units". *International Conference on Systems, Computing Sciences and Software Engineering (SCSS 2007) a sub conference of the International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE)*. Online, Online. Online. December 2007. 360-365.

Richter,JPF and Irwin,BV

Richter,JPF and Irwin,BV. "Guidelines for Constructing Robust Discrete Network Simulators". *2007 International Conference on Telecommunications and Networking(TeNe 07)*. December 2007.

Richter,JPF and Irwin,BV. "Guidelines for constructing robust discrete-time computer network simulations". *International Conference on Industrial Electronics, Technology & Automation and International Conference on Telecommunications and Networking (CISSE 2007)*. December 2007. 389-394.

Sieborger,I and Terzoli,A

Sieborger,I, Terzoli,A and Hodgkinson-Williams,C. "The development of ICT networks for South African schools: two pilot studies in disadvantaged areas". *Learning to Live in the Knowledge Society, IFIP WCC 2008*. Milano Convention Centre, Milan. Italy. September 2008. 167-170.

Slay,H

Slay,H and Dalvit,L. "Red or blue: the importance of digital literacy in rural african communities". *International Conference on Information Technology in Education (CITE 2008)*. Wuhan University, Wuhan. China. December 2008. 675-678.

Slay,H and Sieborger,I

Slay,H, Sieborger,I and Hodgkinson-Williams,C. "The use of interactive whiteboards to support the creation, capture and sharing of knowledge in South African schools". *Learning to Live in the Knowledge Society, IFIP WCC 2008*. Milano Convention Centre, Milan. Italy. September 2008. 19-26.

Terzoli,A

Dalvit,L, Maseko,P, Nosilela,B, Mapi,T, Sam,M, Terzoli,A and Bailey,D. "The first translathon at Rhodes: localising Horde/Imp into isiXhosa". *10th Annual Conference on World Wide Web Applications*. Cape Town. South Africa. September 2008. 4-14.

Dalvit,L, Murray,S and Terzoli,A. "The role of indigenous knowledge and languages in computer education in Africa". IFIP 2008 World Computer Congress (WCC). Fiera, Milan. Italy. September 2008. 287-294.

Dalvit,L, Murray,S and Terzoli,A. "Gramsci, functional linguistics and ethocomputing: the role of indigenous knowledge and languages in computer education in Africa". Learning to Live in the Knowledge Society, IFIP WCC 2008. Milano Convention Centre, Milan. Italy. September 2008. 281-294.

Dalvit,L, Terzoli,A and Murray,S. ""La conoscenza indigena nell'educazione all'informatica in Africa: da Gramsci all'etno-informatica (Indigenous knowledge and the teaching of computer science in Africa: from gramsci to ethnocomputing)". Didamaica. Taranto, Taranto. Italy. April 2008.

Dalvit,L, Terzoli,A and Wolff,F. "Open source and localisation into indigenous South African languages with Pootle". Southern African Telecommunication Networks and Applications Conference (SATNAC). Wild Coast Sun, Wild Coast. South Africa. September 2008.

Thinyane,M, Terzoli,A and Clayton, P

Thinyane,M, Dalvit,L, Terzoli,A and Clayton,P. "The Internet in rural communities: unrestricted and contextualised". ICT Africa. Nepad Council, Addis Abbaba. Ethiopia. February 2008.

Thinyane,M, Terzoli,A and Clayton,P. "Old wine, new wine skins: exploring an ICT intervention towards the protection of indigenous knowledge and folklore". SAFOS Conference. Roma. Lesotho. September 2008.

Thinyane,M, Terzoli,A and Clayton,P. "Transitions towards a knowledge society: aspectual pre-evaluation of a culture-sensitive implementation framework". Learning to Live in the Knowledge Society, IFIP WCC 2008. Milano Convention Centre, Milan. Italy. September 2008. 271-278.

Tsietsei,M, Terzoli,A and Wells,GC

Tsietsei,M, Terzoli,A and Wells,GC. "Prototyping a P2P SIP user agent with support for multiple overlays". 6th Annual IEEE International Conference on Pervasive Computing and Communications. Renaissance Hotel, Tsim Sha Tsui. Hong Kong. January 2008. 474-479.

Tsietsi,M and Terzoli,A

Dalvit,L, Tsietsi,M, Mapi,T, Sam,M, Maseko,P and Terzoli,A. "The localisation into isiXhosa of iLanga, a VoIP PBX". 4th Annual International Conference on Computing and ICT Research. Makerere University, Kampala. Uganda. August 2008. 236-242.

Wells,G

Wells,G, Mueller,B and Schule,L. "A tuple space web service for distributed programming". 4th International Conference on Web Information Systems and Technologies. Tivoli Ocean Park Hotel, Madeira. Portugal. May 2008. 93-100.

Wertlen,RRR

Wertlen,RRR. "An overview of ICT innovation for developmental projects in marginalised rural areas". 5th Prato Community Informatics & Development Informatics Conference 2008. ICTs for Social Inclusion: What is the Reality? Monash Centre, Prato. Italy. October 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS

Tsietsie,M

Dalvit,L, Maseko,P, Wolff,F, Tsietsie,M, Sam,M and Mapi,T. Facilitators and Infrastructural Support. "Translating mozilla firefox into luganda". Translatethon. Makerere University. Kampala, Uganda. 7 - 8 August 2008.

INTERNATIONAL VISIT

Foss,R

Foss,R. CAMCO, Wenden, Germany. Demonstrate research. 11 - 15 February 2008.

Foss,R. Musik Messe, Frankfort, Germany. Demonstrate research. 4 - 8 March 2008.

Foss,R. Fremont, United States of America. Attended and contributed to the IEEE1722 working group meeting on AVB networking. July 2008.

Foss,R. Offices of Harman International, Fremont, United States of America. Attended and contributed to the IEEE1722 working group meeting on AVB. 14 - 18 July 2008.

Foss,R. Moscone Convention Centre, San Francisco, United States of America. Chaired the working group on high speed audio networks at the 125th AES Convention. 2 - 5 October 2008.

Foulkes,P

Foulkes,P. University of Denver, Denver, United States of America. Plenary ethernet AVB meeting. 15 - 19 September 2008.

Wells,GC

Wells,GC. University of California, Davis, United States of America. Sabbatical. 1 September - 31 December 2008.

JOURNAL SUBSIDY UNITS	UNITS
Bangay,S	
<i>Rivers-Moore,NA, Bangay,S</i> and <i>Palmer,RW.</i> "Optimisation of <i>Bacillus thuringiensis</i> var. <i>israelensis</i> (Vectobac®) applications for the blackfly control programme on the Orange River, South Africa". <i>Water SA.</i> 2008. 34(2),193-198.	0.34
Glass,K and Bangay,S	
<i>Glass,K</i> and <i>Bangay,S.</i> "Evaluating and improving morpho- syntactic classification over multiple corpora using pre-trained, "off-the-shelf", parts-of-speech tagging tools". <i>South African Computer Journal.</i> 2008. 40,4-10.	1.00
Slay,H and Sieborger,I	
<i>Hodgkinson,C, Slay,H</i> and <i>Sieborger,I.</i> "Developing communities of practice within and outside higher education institutions". <i>British Journal of Educational Technology.</i> 2008. 39(3),433-442.	0.67
<i>Slay,H, Sieborger,I</i> and <i>Hodgkinson-Williams,C.</i> "Interactive whiteboards: real beauty or just 'lipstick'?" <i>Computers & Education.</i> 2008. 51,1321-1341.	0.67
<i>Slay,H, Sieborger,I</i> and <i>Hodgkinson-Williams,C.</i> "A feasibility study on the use of 'smart' pens in teaching and learning environments". <i>South African Computer Journal.</i> 2008. 40,83-94.	0.67
TOTAL	3.35

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Bangay	Glass	D	3.0
Clayton	Mulumba	M	0.5
Clayton	Thinyane	D	1.5
Foss	Foulkes	M	1.0
Irwin	Miles	M	1.0
Irwin	Otten	M	0.5
Irwin	Richter	M	1.0
Terzoli	Thinyane	D	1.5
Thinyane	Otten	M	0.5
Wells	Mulumba	M	0.5
TOTAL			11.0

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
Proceedings: International conference on computer science and software engineering CSSE 2008	Red or blue? The importance of digital literacy in African rural communities	Slay H, Dalvit L
e-merge online conference proceedings	Investigating popular internet applications as supporting e-learning technologies for teaching and learning with generation Y	Halse ML, Mallinson BJ
Proceedings: UKSim Tenth international conference on computer modelling and simulation EUROSIM/UKSim2008	Flock inspired area coverage using wireless boid-like sensor agents	Chibaya C, Bangay S
Learning to live in the knowledge society (WCC 2008)	The development of ICT networks for South African schools	Sieborger I, Terzoli A, Hodgkinson-Williams C
Learning to live in the knowledge society (WCC 2008)	The use of interactive whiteboards to support the creation, capture and sharing of knowledge in South African schools	Slay H, Sieborger I, Hodgkinson-Williams C
Learning to live in the knowledge society (WCC 2008)	Transitions towards a knowledge society: aspectual pre-evaluation of a culture-sensitive implementation framework	Terzoli A, Thinyane M, Clayton P
Proceedings of computer graphics and visualization 2008 and gaming 2008: design for engaging experience and social interaction 2008	Automating the creation of 3D animation from annotated fiction text	Glass K, Bangay S
Sixth annual IEEE international conference on pervasive computing and communications	Prototyping a P2P SIP user agent with support for multiple overlays	Tsietsi M, Terzoli A, Wells G
Proceedings of the ISSA 2008 Innovative Minds Conference	Spam construction trends	Irwin B, Freidman B
Proceedings of the ISSA 2008 Innovative Minds Conference	A canonical implementation of the advanced encryption standard on the graphics processing unit	Pilkington N, Irwin B
Proceedings of the ISSA 2008 Innovative Minds Conference	An evaluation of scan-detection algorithms in network intrusion detection systems	Barnett RJ, Irwin B
Proceedings of the ISSA 2008 Innovative Minds Conference	Location and Mapping of 2.4 GHZ RF transmitters	Wells D, Sieborger I, Irwin B
Proceedings of SAICSIT 2008	Towards a taxonomy of network scanning techniques	Barnett R, Irwin B
Proceedings of SAICSIT 2008	The relationship between emergence of the shortest path and information value using ant-like agents	Chibaya C, Bangay S
Proceedings of SAICSIT 2008	Finger based tracking for mobile phones	Kerr S
Proceedings of SAICSIT 2008	Ontologies for provision of HIV/AIDS information using telephony infrastructure	Maema M, Terzoli A, Dalvit L
Proceedings of SAICSIT 2008	Java micor edition and Adobe flash lite for arcade-style mobile phone game development: a comparative study	Koller A, Foster G, Wright M
Proceedings of SAICSIT 2008	Investigating the viability of scroll-wheel interfaced mobile phones for text entry	Slay H, Foster G, Mukadh E
Proceedings of the 10th Annual Conference on World Wide Web Applications	Backbase Ajax framework and Adobe flex for rich internet application development: a comparative study	Maema M, Foster G
Proceedings of the 10th Annual Conference on World Wide Web Applications	Jave micro edition and Adobe flash lite for web-enabled mobile phone data services: a comparative study	van Schalkwyk D, Foster G, Wright

Proceedings of the 10th Annual Conference on World Wide Web Applications	The first translate@thon at Rhodes: localising Horde/Imp into isiXhosa	Dalvit L, Maseko P, Nosilela B, Mapi T, Sam M, Terzoli A, Wolff F, Bailey D
Proceedings of the 10th Annual Conference on World Wide Web Applications	Challenge place and time: put a web server on your mobile phone	Wright M
Southern Africa Telecommunication Networks and Applications Conference (SATNAC) 2008	Mapping the location of 2.4 GHz transmitters to achieve optimal usage of an IEEE 802.11 network	Wells D, Sieborger I, Irwin B
Southern Africa Telecommunication Networks and Applications Conference (SATNAC) 2008	An example of a simple cache system for a video streaming implementation within a network simulation	Mulumba P, Clayton P, Wells G
Southern Africa Telecommunication Networks and Applications Conference (SATNAC) 2008	Open-source software and localisation in indigenous South African languages with Pootle	Dalvit L, Terzoli A, Wolff, F
Southern Africa Telecommunication Networks and Applications Conference (SATNAC) 2008	Vision based interaction technique for mobile phones: current status and future directions	Kerr S, Foster G, Slay H
Southern Africa Telecommunication Networks and Applications Conference (SATNAC) 2008	Bridging the gap between peer-to-peer and conventional SIP networks	Tsietsi M, Terzoli A, Wells G
Southern Africa Telecommunication Networks and Applications Conference (SATNAC) 2008	An analysis of network scanning traffic as it relates to scan-detection in network intrusion detection systems	Barnett RJ, Irwin B
Southern Africa Telecommunication Networks and Applications Conference (SATNAC) 2008	WIP: network-layer reservation TDM for 802.11 wireless mesh networks	Duff K, Terzoli A
Southern Africa Telecommunication Networks and Applications Conference (SATNAC) 2008	An ontology-based telephony service for the provision of HIV/AIDS information	Maema M, Terzoli A, Dlavit L
Southern Africa Telecommunication Networks and Applications Conference (SATNAC) 2008	An analysis framework for simulated video streaming networks	Mulumba P, Clayton P, Wells G
Southern Africa Telecommunication Networks and Applications Conference (SATNAC) 2008	An open service delivery platform for adding value to softswitch-based telephony environments	Tsietsi M, Terzoli A, Wells G
VizSec 2007 Proceedings of the workshop on visualisation for computer security	High level internet scale traffic visualisation using hilbert curve mapping	Irwin B, Pilkington N
VizSec 2007 Proceedings of the workshop on visualisation for computer security	Using InetVis to evaluate snort and bro scan detection on a network telescope	Irwin B, van Riel J-P
Novel algorithms and techniques in telecommunications, automation and industrial electronics	Guidelines for constructing robust discrete-time computer network simulations	Richter J, Irwin B
Advances in Computer and Information Sciences and Engineering	An investigation into the performance of general sorting of graphics processing units	Pilkington N, Irwin B
WEBIST 2008 Fourth international conference on web information systems and technologies	A tuple space web service for distributed programming	Wells G

DRAMA

A highlight of the year was the enrolment of eight Masters by Course work (part 1) candidates who together with the Masters Part 2 candidates numbered eleven Drama Masters students. This marks an incredible growth in the Masters programme. External examiners praised the work of the students, commenting that “the Rhodes Drama Department displayed an authoritative voice in performance research and theatre investigation”. As a result of their theoretical and practical investigations, five Masters students presented academic papers at National Drama conferences. Awelani Moyo distinguished herself as an outstanding scholar by winning a National student essay competition, resulting in her paper being published in the *South African Theatre Journal*. She was also awarded the prestigious Gordon Institute of the Performing and Creative Arts Fellowship for 2009.

The Masters course was further enhanced by a visiting lecturer from Tulane University (USA), Professor John Allan. Prof. Allan contributed to the MA course and collaborated with Professor Gordon on *Ozymandias*, a collaborative dance-play presented on the main programme of the National Arts Festival. This was a unique opportunity for our senior students to work with a range of professional choreographers, performers, visual artists, writers and musicians at national level. A critic commented that this production had the “final say on trans-continental collaboration”.

Academic staff presented papers at 3 conferences – Ms Sutherland presented a paper on post-colonial performance at the *Performing Heritage* conference in Manchester, and Dr Krueger and Ms Sutherland presented papers at the *Dramatic Learning Spaces* conference at UKZN.

The performance based investigations of the department have been diverse and extensive. Professor Andrew Buckland was granted a one year contract as a lead performer at the internationally acclaimed *Cirque du Soleil* based in the USA. Dr Anton Krueger has established himself as a writer, a film and theatre director, writing and producing *Chatter* for the National Arts Festival, directing a short film, and being selected to participate in the prestigious poetry Africa event at UKZN. Ms Heike Gehring conceptualised, directed and performed in an acclaimed multi-media performance *Expedisies* at the KKNK festival, and the National Arts Festival. Ms Juanita Finestone-Praeg was on academic leave in Canada, where she undertook research on choreography and dance, initiated an exchange with *Lecole de Dance de Quebec*, and will use this experience to produce the first text on contemporary dance and choreography in South Africa.

The department has extended its creative endeavour to the wider University community: Professor Buckland and Ms Sutherland created *The Amazing ‘Other’ Show* for the Dean of Students Office, which played to approximately 1500 first year students during Orientation Week. Both *Ubom!* and *The First Physical Theatre Company* created works for the SHARC concert in August.

Both these professional companies continue to promote the performing arts through successful education and development programmes. *Ubom!* won several prestigious awards: the company was a winner of an Impumelelo Gold Award for innovative work in poverty reduction and community development; Janet Buckland was the overall winner of the Shoprite/Checkers Woman of the Year award, as well as Grahamstown’s citizen of the year. *First Physical* performer, and Rhodes graduate, Tshego Tlholoe was winner of the Best Female Newcomer at the Gauteng MEC Awards.

PROFESSOR GARY GORDON
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Krueger,AR

Krueger,AR. "Musicophilia tales of music and the brain". Mail & Guardian. M & G Media. South Africa. First Edition. 2008. 8 February, 7. ISBN: 978-1400040810.

Kruerger,AR

Kruerger,AR. "Recording a petulant soul: review of *In the manure* by Ronnie Govender". Mail & Guardian. M & G Media. South Africa. First Edition. 2008. 6 June, 5. ISBN: 0864867204.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**Moyo,AL**

Moyo,AL. "Negotiating migrant identities: foreign bodies, symbolic journeys and (sub)liminal landscapes in *Composition Z - The house of stone*". *South African Theatre Journal*. 2008. 22,84-101.

OTHER PUBLICATIONS**Krueger,AR**

Krueger,AR. "Three poems". In: *New Coin*. Warren, C (Ed) ISEA. Grahamstown. 2008. 44(2), 18-19.

Sutherland,AEM

Sutherland,AEM. "Book review of 'African Theatre Youth'". In: *Research in Drama Education*. Nicholson,H and Winston, J (Eds) Routledge. United Kingdom. 2008. 13(1), 103-105. ISBN: 1356-9783.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Barnard,J**

Barnard,J. "Staging sexuality: an examination of the use of the gaze in choreographing a lesbian representation in dance in Joni Barnard's *One Sideways Glance II*". *Confluences 5*. University of Cape Town, Cape Town. South Africa. July 2008.

de Boer,KD

de Boer ,KD. "Staging sexuality: an examination of the use of the gaze in choreographing a lesbian representation in dance in Joni Barnard's *One Sideways Glance II*". *Confluences 5*. University of Cape Town, Cape Town. South Africa. July 2008.

Elliott,N

Elliott,N. "Desire lines between codified dance forms". *Confluences 5*. University of Cape Town, Cape Town. South Africa. July 2008.

Krueger,AR

Krueger,AR. "Parodies of whiteness: performing race in Mpumelelo Paul Grootboom's *Inter-Racial*". *Dramatic Learning Spaces*. University of KwaZulu Natal, Pietermaritzburg. South Africa. September 2008.

Moyo,AL

Moyo,AL. "Negotiating migrant identities: foreign bodies, symbolic journeys and (sub)liminal landscapes in *Composition Z - The House of Stone*". *Dramatic Learning Spaces*. University of KwaZulu Natal, Pietermaritzburg. South Africa. September 2008.

Parker,A

Parker,A. "Urban narratives: impressions of urban living in contemporary South African narrative dance and choreography ". *Confluences 5*. University of Cape Town, Cape Town. South Africa. July 2008.

Sutherland,AEM

Sutherland,AEM. "Coconuts, jocks and bantus: performing race and gender on campus". *Dramatic Learning Spaces*. University of KwaZulu-Natal, Pietermaritzburg. South Africa. September 2008.

Sutherland,AEM. "Chair of panel discussion on ethical issues in applied drama and theatre". *African Research conference in Applied Drama and Theatre*. Wits, Johannesburg. South Africa. November 2008.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

ii. International Conferences

Sutherland,AEM

Sutherland,AEM. "Decolonizing performances - theatrical languages and heritage interpretation in South Africa". *Performing Heritage*. University of Manchester, Manchester. United Kingdom. April 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS

Buckland,AF

Buckland,AF. Director/ Script Writer. "*The amazing 'other' show*". Rhodes University Orientation Week diversity performance. Rhodes University. Grahamstown, South Africa. 3 - 7 February 2008.

Buckland,AF. Performer. "*Love*". Cirque du Soleil. The Mirage. Las Vegas, United States of America. 1 June - 30 December 2008.

Buckland,AF. Writer. "*Halo*". National Arts Festival. Glennie Hall. Grahamstown, South Africa. 26 June - 5 July 2008.

Gehring,H

Gehring,H. Performer. "*Chaste*". The Dance Factory. Johannesburg, South Africa. 7 - 10 February 2008.

Gehring,H. Director/Performer. "*Ekspedisies*". Klein Karoo National Arts Festival. Laerskool Van Reede. Oudtshoorn, South Africa. 21 - 29 March 2008.

Gehring,H. Performer. "*Puck's story*". National Arts Festival. Worcester Street. Grahamstown, South Africa. 26 June - 5 July 2008.

Gehring,H. Director/Performer. "*Ekspedisies*". National Arts Festival. Kingswood College. Grahamstown, South Africa. 26 June - 2 July 2008.

Gehring,H. Workshop facilitator. "*Hands on! Masks off!*". National Arts Festival. Oatlands Primary School. Grahamstown, South Africa. 28 - 29 June 2008.

Gehring,H. Performer. "*Crooked*". Theatre in Motion '08. Rhodes Theatre. Grahamstown, South Africa. 22 - 24 October 2008.

Gordon,GE

Gordon,GE. Performer/Collaborator. "*Player 1.0*". Spier Contemporary, Johannesburg Art Gallery, Durban Art Gallery. Spier Theatre. Stellenbosch, South Africa. 1 January - 20 February 2008.

Gordon,GE. Performer. "*Textures*". FNB dance umbrella montage dance for the Camera Film Festival. Wits. Johannesburg, South Africa. 3 March 2008.

Gordon,GE. Performer. "*Textures*". Collections. Rhodes University. Grahamstown, South Africa. 18 - 19 April 2008.

Gordon,GE. Artistic Director. "*New Voices 2008*". National Arts Festival. Centenary Hall. Grahamstown, South Africa. 26 June - 2 July 2008.

Gordon,GE. Performer. "*Textures*". National Arts Festival Montage Dance for the Camera. 1820 Settlers Monument. Grahamstown, South Africa. 28 June 2008.

Gordon,GE. Choreographer/Performer. "*Ozymandias*". National Arts Festival. Alec Mullins. Grahamstown, South Africa. 3 - 5 July 2008.

Gordon,GE. Choreographer/Performer. "*Ozymandias*". National Schools Festival. Guy Butler Theatre. Grahamstown, South Africa. 8 July 2008.

Gordon,GE. Choreographer. "*Standing, sitting and lying down*". SHARC HIV/AIDS benefit concert. Guy Butler Theatre. Grahamstown, South Africa. 9 August 2008.

Gordon,GE. Director. "*First Physical Supper Theatre*". First Physical Productions. Rhodes University. Grahamstown, South Africa. 21 - 22 November 2008.

Krueger,AR

Krueger,AR. Photographer/ artist. "*14 pieces exhibited*". Artificial lights. Kyk Gallery, Pretoria, South Africa. 20 - 29 June 2008.

Krueger,AR. Writer/ Producer. "*Chatter*". National Arts Festival. Glennie Hall. Grahamstown, South Africa. 27 June - 2 July 2008.

Krueger,AR. Writer. "*Ozymandias*". National Arts Festival. Alec Mullins Hall. Grahamstown, South Africa. 3 - 5 July 2008.

Krueger,AR. Writer. "*Sitting, standing and lying down*". SHARC benefit concert. Guy Butler Theatre. Grahamstown, South Africa. 9 August 2008.

Krueger,AR. Writer/performer. "*Poetry Africa*". Poetry Africa. Elizabeth Sneddon Theatre. Durban, South Africa. 28 September - 5 October 2008.

Krueger,AR. Writer/director. "*Anzan and the visitors*". Cool stove/off the shelf. Private Practice. Johannesburg, South Africa. 26 October 2008.

Praeg,J

Praeg,J. Choreographer. "*Monogram*". Collections. Rhodes University. Grahamstown, South Africa. 18 April - 19 January 2008.

Sutherland,AEM

Sutherland,AEM. Director. "*The amazing 'other' show*". Rhodes University Orientation Week diversity performance. Rhodes University. Grahamstown, South Africa. 3 - 7 February 2008.

Sutherland,AEM. Director. "*The amazing 'other' show*". Eastern Cape Schools Festival. Guy Butler Theatre. Grahamstown, South Africa. 8 May 2008.

Sutherland,AEM. Director. "*Siyayenza Namanje*". National Arts Festival. National Arts Festival. Grahamstown, South Africa. 28 June - 6 July 2008.

Sutherland,AEM. Director. "*Risky business*". HEAIDS education programme. Rhodes University. Grahamstown, South Africa. 12 - 28 August 2008.

Sutherland,AEM. Director. "*Risky business*". HEAIDS education programme. Rhodes University. Grahamstown, South Africa. 3 - 7 November 2008.

Tang,CWA

Tang,CWA. Choreographer/Performer. "*Chaste*". Standard Bank Invitation. The Dance Factory. Johannesburg, South Africa. 7 - 10 February 2008.

Tang,CWA. Performer. "*Ballad*". FNB Dance Umbrella. The Dance Factory. Johannesburg, South Africa. 26 - 27 February 2008.

Tang,CWA. Choreographer. *"Disappearing"*. Spier Performing Arts Festival. The South African Museum. Cape Town, South Africa. 29 February - 1 March 2008.

Tang,CWA. Choreographer/Performer. *"The silent wail of Melisande excerpt"*. Spier Performing Arts Festival. The South African Museum. Cape Town, South Africa. 29 February - 1 March 2008.

Tang,CWA. Director. *"Textures"*. FNB Dance Umbrella Montage Dance for the Camera Film Festival. Wits. Johannesburg, South Africa. 3 March 2008.

Tang,CWA. Performer. *"Ballad"*. Collections. Rhodes Box Theatre. Grahamstown, South Africa. 18 - 19 April 2008.

Tang,CWA. Director. *"Textures"*. Collections. Rhodes University. Grahamstown, South Africa. 18 - 19 April 2008.

Tang,CWA. Director. *"Textures"*. National Arts Festival Montage Dance for the Camera. 1820 Settlers Monument. Grahamstown, South Africa. 28 June 2008.

Tang,CWA. Director. *"Ozymandias"*. National Arts Festival. Alec Mullins. Grahamstown, South Africa. 3 - 5 July 2008.

Tang,CWA. Director. *"Ozymandias"*. National Schools Festival. Alec Mullins. Grahamstown, South Africa. 8 July 2008.

Tang,CWA. Lecturer. *"You don't have to know what's going on, but how it goes on"*. National Schools Festival. Rhodes University. Grahamstown, South Africa. 9 July 2008.

Tang,CWA. Performer. *"Standing, sitting and lying down"*. SHARC HIV/AIDS benefit concert. Guy Butler Theatre. Grahamstown, South Africa. 9 August 2008.

Tang,CWA. Director/Choreographer/Performer. *"Inscrutable"*. Rhodes China Week. Upper Studio. Grahamstown, South Africa. 18 - 22 August 2008.

Tang,CWA. Performer. *"Standing, sitting and lying down"*. First Physical Supper Theatre. Rhodes University. Grahamstown, South Africa. 21 - 22 November 2008.

INTERNATIONAL VISIT

Praeg,J

Praeg,J. Ecole de danse de Quebec, Quebec City, Canada. Research for book and for possible exchanges with Rhodes University. 24 - 28 November 2008.

JOURNAL SUBSIDY UNITS		UNITS
Moyo,AL		
Moyo,AL. "Negotiating migrant identities: foreign bodies, symbolic journeys and (sub)liminal landscapes in <i>Composition Z - The house of stone</i> ". South African Theatre Journal. 2008. 22,84-101.		1.00
TOTAL		1.00

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Krueger A	Balt	M	0.5
TOTAL			0.5

ECONOMICS

The research activity of the department resulted in twelve journal publications, one other publication, fifteen conference papers, four workshops and one international visit. Several journal articles have resulted from the joint efforts of supervisors and masters students in the Financial Markets Programme. These papers, when added to similar recent ones in the same field have now compounded to a significant body of literature in financial market studies, which clearly constitutes a local niche for the department.

The other pockets of staff expertise from which research papers have emanated this year include Regional Economic Integration, Water Resources, Cultural Economics and Teaching in Economics, particularly focused on the issues around large numbers of students.

A highlight of the year was the now established and growing annual postgraduate conference with staff and students from the Universities of Fort Hare and Nelson Mandela Metropolitan also participating. The Economics Society of South Africa and the National Treasury provided sponsorship for the conference. The department was also chosen to host and organise an Economic Research Southern Africa (ERSA) workshop.

Dr X.P. Guma, the Deputy Governor of the South African Reserve Bank and Visiting Professor in Economics, addressed students and staff at a public seminar during his lecturing visit in October.

PROFESSOR HUGO NEL
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Aziakpono,MJ

Aziakpono,MJ. "Financial and monetary autonomy and interdependence between South Africa and the other SACU countries". *South African Journal of Economics*. 2008. 76(2),189-211.

Juana,JS

Juana,JS, Strzepek,KM and Kirsten,JF. "Households' welfare analyses of the impact of global change on water resources in South Africa". *Agrekon*. 2008. 47(3),309-326.

Matsaseng,KF

Matsaseng,KF. "Price flexibility in the common monetary area". *South African Journal of Economics*. 2008. 76(2),176-188.

Mbatha,CN

Mbatha,CN and Charalambides,N. "What is really in the economic partnership agreements for the Southern African region? A perspective from Botswana's beef export markets". *Agrekon*. 2008. 47(4),410-432.

Mbatha,CN and Antrobus,GG

Mbatha,CN and Antrobus,GG. "Institutions and economic research: a case of location externalities on agricultural resource allocation in the Kat River basin, South Africa". *Agrekon*. 2008. 47(4),470-491.

Mutambara,TE

Mutambara,TE. "Asymmetric tariff reduction within the SADC protocol on trade and its implications for industrial development within member states". *Journal of Development Perspectives*. 2007. 3(1),54-73.

Snowball,JD

Snowball,JD. "The impact of a change in ticket price on the demand for university live theatre: an illustrative case study of the Young Directors' season at Rhodes University". *South African Theatre Journal*. 2008. 22,119-129.

Snowball,JD and Jeurissen,C

Snowball,JD, Willis,K and Jeurissen,C. "Willingness to pay for water service improvements in middle-income urban households in South Africa: a stated choice analysis". South African Journal of Economics. 2008. 76(4),705-720.

Snowball,JD and Webb,ACM

Snowball,JD and Webb,ACM. "Breaking into the conversation: cultural value and the role of the South African National Arts Festival from apartheid to democracy". International Journal of Cultural Policy. 2008. 14(2),149-164.

OTHER PUBLICATIONS**Karoro,T, Aziakpono,MJ and Cattaneo,NS**

Karoro,T, Aziakpono,MJ and Cattaneo,NS. "Exchange rate pass-through to import prices in South Africa: is there asymmetry?" In: Economic Research Southern Africa. Fedderke, JW (Ed) Southern Africa Working Paper No. 79. Cape Town. 2008. (79), 1-21.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Aziakpono,MJ**

Aziakpono,MJ, Kleimeier,S and Sander,H. "Banking market integration in the SADC countries: evidence from interest rate analysis". The National Conference on Creating, Developing Value in Africa in the Global Context. Sun City, North West Province. South Africa. May 2008.

Cattaneo,NS

Cattaneo,NS. "Services liberalisation in preferential trade agreements and under the GATS: implications for regional agendas and development space in southern Africa". Annual Trade Law Centre for Southern Africa Conference. BMW Pavilion Conference Centre, Cape Town. South Africa. June 2008.

Chinzara,Z and Aziakpono,MJ

Chinzara,Z and Aziakpono,MJ. "Dynamic returns linkages and volatility transmission between South African and the world major equity markets". the 17th Annual Southern African Finance Association (SAFA) Conference. University of Cape Town, Cape Town. South Africa. January 2008.

Chinzara,Z and Aziakpono,MJ. "Integration of the South African equity market into the world major stock markets: implication for portfolio diversification". The 5th African Finance Journal Conference. Lagoon Beach Hotel, Cape Town. South Africa. July 2008.

Howarth,G, Mhlanga,G and Aziakpono,MJ

Howarth,G, Mhlanga,G and Aziakpono,MJ. "Volatility transmission and propagation between four of Africa's major Stock Markets: South Africa, Egypt, Nigeria and Kenya". The 17th Annual Southern African Finance Association (SAFA) Conference. University of Cape Town, Cape Town. South Africa. January 2008.

Kwangware,D, van Rooyen,J and Aziakpono,MJ

Kwangware,D, van Rooyen,J and Aziakpono,MJ. "Portfolio diversification within sectors in South Africa: an analysis of the bear and bull market phases". The 17th Annual Southern African Finance Association (SAFA) Conference. University of Cape Town, Cape Town. South Africa. January 2008.

Seedat,ED and Liao,L

Seedat,ED and Liao,L. "Equity price relations of cross-listed South African companies ". *17th Annual Conference of the Southern African Finance Association*. University of Cape Town, Cape Town. South Africa. January 2008.

Seedat,ED and McKenna,RF

Seedat,ED and McKenna,RF. "Comparing approaches to the forecasting of South African equity prices". *17th Annual Conference of the Southern African Finance Association*. University of Cape Town, Cape Town. South Africa. January 2008.

Snowball,JD

Snowball,JD and Mostert,M. "Developing communities of practice in large class teaching: tutorials and online discussion forums". *Joint Conference of the South African Association for Research and Development in Higher Education and the Higher Education Learning and Teaching Association of Southern Africa*. Rhodes University, Grahamstown. South Africa. December 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Aziakpono,MJ**

Aziakpono,MJ, Kleimeier,S and Sander,H. "Banking market integration in the SADC countries: evidence from interest rate analysis". *The Emerging Markets Finance Conference*. City University of London, London. United Kingdom. May 2008.

Aziakpono,MJ and Wilson,MK. "Interest rate pass-through and monetary policy regimes in South Africa". *The AERC Biannual Research Workshop*. Intercontinental Hotel, Nairobi. Kenya. December 2008.

Cattaneo,NS

Cattaneo,NS. "Foreign direct investment into South Africa: trends and challenges". *India-Brazil-South Africa (IBSA) Academic Seminar*. Hotel Torres da Cachoeira, Florianopolis. Brazil. August 2008.

Chinzara,Z and Aziakpono,MJ

Chinzara,Z and Aziakpono,MJ. "Dynamic returns linkages and volatility transmission between South African and the world major equity markets". *The Emerging Markets Finance Conference*. City University of London, London. United Kingdom. May 2008.

Snowball,JD

Snowball,JD and Mostert,M. "Introducing a learning management system in a large first year class: the impact on lecturers and students". *3rd International Conference on eLearning*. University of Cape Town, Cape Town. South Africa. June 2008.

Snowball,JD and Antrobus,GG

Snowball,JD and Antrobus,GG. "An arts festival production function: determinants of the "success" of performing arts productions at the South African National Arts Festival". *Association of Cultural Economics International (ACEI) 15th International conference*. North Eastern University, Boston. United States of America. June 2008. 15.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Aziakpono,MJ**

Aziakpono,MJ, Burger,P and du Plessis,S. Organiser and presented three papers. *"ERSA Workshop on Perspective of Economic Integration in Africa"*. Financial integration and economic performance of SACU: do different types of capital stocks matter?. Rhodes University. Grahamstown, South Africa. 19 - 20 June 2008.

Aziakpono,MJ, Kleimeier,S and Sander,H. Organiser and presented two papers. *"ERSA Workshop on Perspective of Economic Integration in Africa"*. Banking market integration in the SADC countries: evidence from interest rate analysis. Rhodes University. Grahamstown, South Africa. 19 - 20 June 2008.

Chinzara,Z and Aziakpono,MJ

Chinzara,Z and Aziakpono,MJ. Organiser and presented two papers. *"ERSA Workshop on Perspective of Economic Integration in Africa"*. Integration of the South African equity markets into the world major stock markets: implication for portfolio diversification. Rhodes University. Grahamstown, South Africa. 19 - 20 June 2008.

Matsaseng,KF

Matsaseng,KF. Presentation. *"Asymmetry of shocks in the common monetary area"*. ERSA Workshop on Perspective of Economic Integration in Africa. Rhodes University. Grahamstown, South Africa. 19 - 20 June 2008.

INTERNATIONAL VISIT**Snowball,JD**

Snowball,JD. University of Newcastle, Newcastle-upon-Tyne, United Kingdom. Visiting fellow, research funded by the Arts and Humanities Research Council (AHRC) and Arts Council England (ACE), under their Fellowship on the economic impact of arts and humanities. 1 - 10 May 2008.

JOURNAL SUBSIDY UNITS	UNITS
Aziakpono,MJ	
<i>Aziakpono,MJ</i> . "Financial and monetary autonomy and interdependence between South Africa and the other SACU countries". South African Journal of Economics. 2008. 76(2),189-211.	1.00
Juana,JS	
<i>Juana,JS</i> , Strzepek,KM and Kirsten,JF. "Households' welfare analyses of the impact of global change on water resources in South Africa". Agrekon. 2008. 47(3),309-326.	0.34
Matsaseng,KF	
<i>Matsaseng,KF</i> . "Price flexibility in the common monetary area". South African Journal of Economics. 2008. 76(2),176-188.	1.00
Mbatha,CN	
<i>Mbatha,CN</i> and Charalambides,N. "What is really in the economic partnership agreements for the Southern African region? A perspective from Botswana's beef export markets". Agrekon. 2008. 47(4),410-432.	0.50
Mbatha,CN and Antrobus,GG	
<i>Mbatha,CN</i> and <i>Antrobus,GG</i> . "Institutions and economic research: a case of location externalities on agricultural resource allocation in the Kat River basin, South Africa". Agrekon. 2008. 47(4),470-491.	1.00
Snowball,JD	
<i>Snowball,JD</i> . "The impact of a change in ticket price on the demand for university live theatre: an illustrative case study of the Young Directors' season at Rhodes University". South African Theatre Journal. 2008. 22,119-129.	1.00
Snowball,JD and Jeurissen,C	
<i>Snowball,JD</i> , Willis,K and <i>Jeurissen,C</i> . "Willingness to pay for water service improvements in middle-income urban households in South Africa: a stated choice analysis". South African Journal of Economics. 2008. 76(4),705-720.	0.67
Snowball,JD and Webb,ACM	
<i>Snowball,JD</i> and <i>Webb,ACM</i> . "Breaking into the conversation: cultural value and the role of the South African National Arts Festival from apartheid to democracy". International Journal of Cultural Policy. 2008. 14(2), 149-164.	1.00
TOTAL	6.51

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Ackermann	Mhlanga	M	0.25
Antrobus	Van Rooyen	M	0.25
Aziakpono	Barnor	M	0.5
Aziakpono	Elliott	M	0.25
Aziakpono	Johns	M	0.25
Aziakpono	Kwangware	M	0.25
Aziakpono	Moyo	M	0.25
Aziakpono	Mugova	M	0.5
Aziakpono	Rabana	M	0.25
Cattaneo	Kwangware	M	0.25
Faure	Dlamini	M	0.25
Faure	Elliott	M	0.25
Faure	Hove	M	0.25
Matsaseng	Dlamini	M	0.25
Mbatha	Van Rooyen	M	0.25
Mutambara	Johns	M	0.25
Mutambara	Munthali	D	1.0
Nel	Makwiramiti	M	0.5
Nel	Moyo	M	0.25
Seedat	Howarth	M	0.5
Seedat	Mhlanga	M	0.25
Snowball	Rabana	M	0.25
Webb	Stott	M	1.0
Webb	Munthali	D	1.0
TOTAL			9.25

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Bulletin of comparative labour relations 65: the Global Labour Market: from globalization to flexicurity	Global capitalism and the rise of non-standard employment: challenges	Oladeinde, O

EDUCATION

The Education Department has sustained a healthy and productive research trajectory. Our return for 2008 reveals a good spread of contributions from most members of the Department. The 2008 profile is similar to previous years reflecting active participation in national and international conferences. Numerous conference presentations were converted to journal publications. A recurrent theme in our research activities is the notion of quality in education, both at a conceptual/policy and practice/pedagogical level. In order to strengthen the external impact of our work it is important that we disseminate our findings beyond journal articles and academic publications. Many of our staff drive teacher professional development programmes in fields such as literacy, numeracy, environmental education, assessment and leadership.

This report needs to be read against a backdrop of an extensive post-graduate supervision programme. Our numerous Masters programmes attract students from all over Africa. We have well in excess of 100 Master's students, many of them engaged in structured coursework programmes that run at regular intervals in Grahamstown and Namibia. Our scholars are reaping the benefits of our three PhD weeks. These contact sessions facilitate robust academic and intellectual debate. They encourage our students to present their work in an environment that is both supportive and constructively critical. We currently have 28 PhD scholars from a rich variety of educational fields.

A very encouraging trend that is emerging is joint publications of staff and students and a practice of co-supervision both of which are enhancing research supervision capacity building and staff productivity. Our supportive model of mentoring by senior and experienced academics is further enabling our research productivity. The 2008 combined return of published papers and post-graduate supervision reflects an energetic and robust research climate in the Department.

PROFESSOR MARC SCHÄFER
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Irwin,PR

Irwin,PR. "Environmental education research in Southern and Eastern Africa: a directory". Rhodes University. Grahamstown. Third Edition. 2008. 1-373. ISBN: 978-0-86810-449-2.

Irwin,PR, Whitehouse,A and Gough,K. "A field guide to the Addo elephants". IFAW. New York. Second Edition. 2008. 1-115. ISBN: 978-0-86810-448-5.

Lotz-Sisitka,H and O'Donoghue,R

Lotz-Sisitka,H and *O'Donoghue,R*. "Participation, situated culture, and practical reason". In: Participation and Learning: perspectives on education and the environment, health and sustainability. Springer. First Edition. 2008. 111-127. ISBN: 978-4020-6415-9.

Lotz-Sisitka,H and Olvitt,LL

Lotz-Sisitka,H and *Olvitt,LL*. "South Africa: strengthening responses to sustainable development policy and legislation". In: Work, Learning and Sustainable Development. Opportunities and Challenges. Springer / UNEVOC. Germany. First Edition. 2008. 319-328. ISBN: 978-1-4020-8193-4.

Lotz-Sisitka,H and Raven,G

Lotz-Sisitka,H and *Raven,G*. "South Africa: applied competence as the guiding framework for environmental and sustainability education". In: Work, Learning and Sustainable Development. Opportunities and Challenges. Springer / UNEVOC. Germany. First Edition. 2008. 309-318. ISBN: 978-1-4020-8193-4.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Atebe,HU and Schäfer,M

Atebe,HU and Schäfer,M. "'As soon as the four sides are all equal, then the angles must be 90o each": children's misconceptions in geometry". *African Journal of Research in Science, Mathematics and Technology Education*. 2008. 12(2),53-74.

Dalvit,L

Dalvit,L. "Computer literacy in an African language at Rhodes". *Applied Linguistics and Literacy in Africa Newsletter*. 2008. 1(2),7-8.

Euvrard,GJ

Heath,L and Euvrard,GJ. "The development of the sexual responsiveness scale for adolescents and young adults: putting a definition of sexual orientation to the test". *South African Journal of Psychology*. 2008. 38(4),633-646.

Hodgkinson-Williams,C

Slay,H, Sieborger,I and Hodgkinson-Williams,C. "Interactive whiteboards: real beauty or just "lipstick"?". *Computers & Education*. 2008. 51,1321-1341.

Slay,H, Sieborger,I and Hodgkinson-Williams,C. "A feasibility study on the use of 'smart' pens in teaching and learning environments". *South African Computer Journal*. 2008. 40,83-94.

Hogan,R

Hogan,R. "Contextualizing formal education for improved relevance: a case from the Rufiji wetlands, Tanzania". *Southern African Journal of Environmental Education*. 2008. 25,44-58.

Lotz-Sisitka,H

Lotz-Sisitka,H. "Utopianism and educational processes in the United Nations decade of education for sustainable development". *Canadian Journal of Environmental Education*. 2008. 13(1),134-152.

Lotz-Sisitka,H. "Editorial: environmental education and educational quality and relevance. Opening the debate". *Southern African Journal of Environmental Education*. 2008. 25,1-13.

Lotz-Sisitka,H. "Viewpoint: reading conference recommendations in a wider context of social change". *Southern African Journal of Environmental Education*. 2008. 25,189-196.

Shackleton,SE, Campbell,BM, Shackleton,CM and Lotz-Sisitka,H. "Links between the local trade in natural products, livelihoods and poverty alleviation in a semi-arid region of South Africa". *World Development*. 2008. 36(3),505-526.

Lupele,J

Lupele,J. "Underlying mechanisms affecting institutionalisation of environmental education courses in Southern Africa". *Southern African Journal of Environmental Education*. 2008. 25,111-129.

Nsubungu,Y

Nsubungu,Y. "A Bernsteinian analysis of the integration of natural resource management in the curriculum of a rural disadvantaged school". *Southern African Journal of Environmental Education*. 2008. 25,97-110.

Rau,A

Rau,A. "Anarchic Educational Leadership: An alternative model for postgraduate supervision". *Indo-Pacific Journal of Phenomenology (IPJP), Special Edition: Phenomenology and Education, February 2008*. <http://www.ipjp.org>

Rosenberg,E

Rosenberg,E. "Eco-Schools and the quality of education in South Africa: realising the potential". *Southern African Journal of Environmental Education*. 2008. 25,25-43.

Schudel,I, Lotz-Sisitka,H and O'Donoghue,RB

Schudel,I, Roux,C, Lotz-Sisitka,H, Loubser,C, O'Donoghue,RB and Shallcross,T. "Contextualising learning in advanced certificate in education (environmental education) courses: synthesising contexts and experiences". *South African Journal of Education*. 2008. 28,543-559.

Togo,M

Togo,M. "Sustainability assessment using the unit-based sustainability assessment tool: the case of three teaching departments at Rhodes University, South Africa". *Southern African Journal of Environmental Education*. 2008. 25,147-164.

van der Mescht,H

van der Mescht,H. "Educational leadership and management - some thoughts from the field". *Journal of Education*. 2008. 44,7-24.

van der Mescht,H and Tyala,Z

van der Mescht,H and Tyala,Z. "School principals' perceptions of team management: a multiple case-study of secondary schools". *South African Journal of Education*. 2008. 28 (2),221-239.

OTHER PUBLICATIONS**Lotz-Sisitka,H, O'Donoghue,R, O'Donoghue,R and Wilmot,D**

Lotz-Sisitka,H, O'Donoghue,R, O'Donoghue,R and Wilmot,D. "Experiments in social learning". In: The Makana Regional Centre of Expertise in Education for Sustainable Development occasional paper No.2. Lotz-Sisitka,H, O'Donoghue,R and Wilmot, D (Eds) Rhodes University. Grahamstown. 2008. (Paper No 2), 1-19.

Togo,M and Lotz-Sisitka,H

Togo,M and Lotz-Sisitka,H. "Unit-based sustainability assessment Tool ". In: A resource book to complement the UNEP mainstreaming environment and sustainability in African universities programme. Togo,M and Lotz-Sisitka, H (Eds) Rhodes University. Grahamstown. 2008. 1-20.

Togo,M, Shava,S and Olvitt,LL

Togo,M, Hammer,N, Shava,S and Olvitt,LL. "A university in its community: Rhodes University and sustainable development in the Makana Municipality". In: A resource book for use and refinement in the Swedish/Africa international training programme 'Education for Sustainable Development in Higher Education' in Africa. Togo,M, Hammer,N, Shava,S and Olvitt,L (Eds) Rhodes University. Grahamstown. 2008. 1-20.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Dalvit,L**

Mapi,T, Dalvit,L and Kaschula,R. "An intergration of three concepts of healing in Xhosa culture in the teaching of isiXhosa to Rhodes University pharmacy students". *NRF Post-Graduate Colloquium*. Walter Sisulu University, Mthatha. South Africa. May 2008.

Mapi,T, Dalvit,L, Maseko,P and Kaschula,R. "Integrating indigenous knowledge in the vocational training of pharmacy students at Rhodes University". *10th Biennial Conference of the Southern African Folklore Society (SAFOS)*. University of Lesotho, Roma. Lesotho. September 2008. Special.

Mapi,T, Maseko,P and Dalvit,L. "Unravelling communication problems between English-speaking health-care professionals and isiXhosa-speaking patients". *Communication, Medicine and Ethics (COMET)*. Cape Town, Cape Town. South Africa. July 2008.

Sam,M, Dalvit,L and Kachula,R. "The discussion of observation and analysis of the development of computer terminology in isiXhosa". *NRF Post-Graduate Colloquium*. Walter Sisulu University, Mthatha. South Africa. May 2008.

Sam,M, Dalvit,L, Kaschula,R and Maseko,P. "Folklore and ICT education in Africa: the development of ICT terminology in isiXhosa". 10th Biennial Conference of the Southern African Folklore Society (SAFOS). University of Lesotho, Roma. Lesotho. September 2008.

Dalvit,L, Gunzo,FT and Madwe,PN

Dalvit,L, Gunzo,FT, Madwe,PN and Maema,M. "A multi-disciplinary approach to HIV and AIDS education at Rhodes University". Regional Interdisciplinary Postgraduate Conference. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. September 2008.

Gunzo,F

Dalvit,L, Gunzo,F, Madwe,N and Maema,M. "A multi-disciplinary approach to HIV and AIDS education at Rhodes University". Regional Interdisciplinary Postgraduate Conference at NMMU. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. September 2008.

Gunzo,FT and Dalvit,L

Gunzo,FT and Dalvit,L. "An ICT intervention in HIV/AIDS education at Rhodes University". NRF Post-Graduate Colloquium. Walter Sisulu University, Mthatha. South Africa. May 2008.

Lotz-Sisitka,H

Lotz-Sisitka,H. "Keynote address: education for sustainable development and teacher education". ACP EduLink Conference: universities and sustainable development. Rhodes University, Grahamstown. South Africa. July 2008.

Lotz-Sisitka,H. "Keynote address: mainstreaming environment and sustainability into education systems in Southern Africa". Environmental Education Association of Southern Africa Conference. University of Swaziland, Mbabane. Swaziland. July 2008.

Lotz-Sisitka,H. "Keynote address: environment and sustainability education. A view on the local and the global". SADC Regional Environmental Education Programme National Network Representatives Conference and Workshop. Maputo. Mozambique. October 2008.

Lotz-Sisitka,H. "Keynote address: mainstreaming environment and sustainability into African universities: ESD practice and pedagogy". Education for Sustainable Development Conference and Workshop. Bahir Dar University, Bahir Dar. Ethiopia. October 2008.

Lotz-Sisitka,H. "Keynote address: universities response to environment, development and climate change. Challenges and opportunities". First Mainstreaming Environment and Sustainability into Education International Conference: environment, development and climate change in Africa: universities responding. Nairobi. Kenya. November 2008.

Lotz-Sisitka,H. "Higher education in socio-ecological space". Higher Education as a Social Space Conference. Rhodes University, Grahamstown. South Africa. December 2008.

Lotz-Sisitka,H, Motsa,E, Mukute,M and Olvitt,L

Lotz-Sisitka,H, Motsa,E, Mukute,M and Olvitt,L. "Theory matters. Designing a conceptual framework for a research programme on workplace learning and sustainability practices". Kenton Education Association Conference. Kenton. South Africa. October 2008.

Lotz-Sisitka,H, Mutizwa,M, Olvitt,L and Motsa,E

Lotz-Sisitka,H, Mutizwa,M, Olvitt,L and Motsa,E. "Researching change oriented workplace learning and sustainable development practices". 350 years of formal schooling in South Africa: where to from here?. Magaliesburg Conference Centre, Broederstroom. South Africa. October 2008. 1-10.

Motsa,E

Motsa,E. "Mediating change oriented workplace learning processes in the forest industry in Southern Africa: a focus in water conservation". 350 years of formal schooling in South Africa: where to from here?. Magaliesburg Conference Centre, Broederstroom. South Africa. October 2008. 1-11.

Nsubuga,Y

Nsubuga,Y. "A Bernsteinian analysis of the integration of natural resource management into the grade 10 life sciences curriculum". *Fourth International Conference on Environmental Education*. Kwalusemi Campus, University of Swaziland, Manzini. Swaziland. July 2008.

O'Donoghue,RB and O'Donoghue,RB

O'Donoghue,RB and O'Donoghue,RB. "Science education research and indigenous knowledge: towards a perspective for probing questions of relevance and education access". *South African Association for Research in Mathematics, Science and Technology Education*. Southern Sun Hotel, Maseru. Lesotho. January 2008.

Olvitt,LL

Olvitt,LL. "EE curriculum development in a changing educational landscape: experiences from the Rhodes-Gold fields course". *EEASA Annual Conference*. University of Swaziland, Manzini. Swaziland. July 2008.

Olvitt,LL. "Environmental ethics for educators: getting started". *EEASA Annual Conference*. University of Swaziland, Manzini. Swaziland. July 2008.

Shava,S, O'Donoghue,R, O'Donoghue,R and Mukute,M

Shava,S, O'Donoghue,R, O'Donoghue,R, Krasny,ME, Zazu,C and Mukute,M. "Traditional food crops as a source of community resilience in Zimbabwe". *PELUM South Africa Indaba*. PELUM South Africa Indaba, Pietermaritzburg. South Africa. June 2008.

Shava,S, O'Donoghue,R, Zazu,C and Mukute,M

Shava,S, O'Donoghue,R, Krasny,M, Zazu,C and Mukute,M. "Traditional food crops as a source of community resilience in Zimbabwe". *PELUM South Africa Indaba*. Not known, Pietermaritzburg. South Africa. June 2008. 1-6.

Thokwe,T and Schäfer,M

Thokwe,T and Schäfer,M. "Investigating code switching in english second language (ESL) teachers in the teaching of mathematics: a grade 9 and 10 case study". *National Association for Mathematics Education Conference of South Africa (AMESA) Conference*,. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. July 2008.

Togo,M

Togo,M. "Obstacles in mainstreaming environment and sustainability in higher education: the case of Rhodes University, South Africa". *EEASA 2008 Conference*. Kwaluseni Campus, University of Swaziland. South Africa. July 2008.

Togo,M. "Global sustainability challenges: what role for universities?". *8th EMSU conference*. Barcelona. Spain. September 2008. 1-4.

Togo,M. "Unit-based sustainability assessment tool: a reflective review". *MESA International Conference*. Nairobi. Kenya. November 2008. 1-4.

Wilmot,D

Wilmot,D. "Chaired the final plenary session". *Networking: Eastern Cape Teachers' Conference, Institute for the Study of English in Africa (ISEA) and Zenox Foundation*. Rhodes University, Grahamstown. South Africa. March 2008.

Wilmot,D. "HIV and AIDS education: the case of the in-service B(Ed)Hons teacher education programme at Rhodes University". *HEAIDS Project, National Colloquium: piloting HIV module in teacher education faculties in HE Institutions in South Africa*. Kopanong Conference Centre, Benoni. South Africa. April 2008.

Wilmot,D. "Assessment for and of learning about HIV and AIDS: the case of the PGCE programme at Rhodes University". *HEAIDS Project Second National Colloquium: What difference does it make? On evaluating HIV/AIDS interventions in teacher education*. Kopanong Conference Centre, Benoni. South Africa. September 2008.

Fraenkel,L, Fox,RC, Rowntree,KM and Wilmot,D. "Learning about water through the african catchment game: the refinement of a role playing simulation". *Higher Education as a Social Space*. Rhodes University, Grahamstown. South Africa. December 2008.

Fraenkel,LA, Fox,RC and Wilmot,D. "Learning about water through the African catchment game: the refinement of a role playing simulation". *HELTASA Conference*. Rhodes University, Grahamstown. South Africa. November 2008.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

ii. International Conferences

Atebe,HU and Schäfer,M

Atebe ,HU and Schäfer,M. "As soon as the four sides are all equal then the angles must be 90 degrees each: children's misconceptions in geometry". *16th Annual Congress of the Southern African Association for Research in Mathematics, Science and Technology Education (SAARMSTE)*. University of Lesotho, Maseru. Lesotho. January 2008. 80-93.

Dalvit,L

Dalvit,L, Terzoli,A and Wolff,F. "Open source and localisation into indigenous South African languages with Pootle". *Southern African Telecommunication Networks and Applications Conference (SATNAC)*. Wild Coast Sun, Wild Coast. South Africa. September 2008.

Kavhal,M, Dalvit,L and Manyozo,L. "Learning through interventions: deployment of cell phones and GSM in Dwesa, a South African rural area". *Kenton Conference*. Thabeng sa Mogale. South Africa. October 2008.

Slay,H and Dalvit,L. "Red or Blue? The importance of digital literacy in African rural communities". *International Conference on Computer Science and Software Engineering (CSSE 2008)*. Wuhan. China. December 2008. 1. 675-678.

Dalvit,L and Gunzo,F

Dalvit,L, Gunzo,F, Maema,M and Slay,H. "Exploring the use of ontologies in creating learning platforms: HIV and AIDS education at a South African university". *International Conference on Computer Science and Software Engineering (CSSE 2008)*. Wuhan. China. December 2008. 1. 407-410.

Dalvit,L, Gunzo,F and Sam,M. "Integrating teaching, research and outreach in teacher training". *Kenton Conference*. Thabeng sa Mogale, Gauteng. South Africa. October 2008.

Gunzo,F

Dalvit,L, Gunzo,F, Maema,M and Slay,H. "Exploring the use of ontologies in creating learning platforms: HIV and AIDS education at Rhodes University". *International Conference on Information Technology in Education (CITE 2008)*. Wuhan University, Wuhan. China. December 2008. 407-410.

Gunzo,FT, Madwe,PN and Dalvit,L

Gunzo,FT, Madwe,PN, Maseko,p and Dalvit,L. "Informal ICT-based HIV and AIDS education at Rhodes University". *Kenton Conference*. Thabeng sa Mogale, Gauteng. South Africa. October 2008.

Hodgkinson-Williams,C

Sieborger,I, Terzoli,A and Hodgkinson-Williams,C. "The development of ICT networks for South African schools: two pilot studies in disadvantaged areas". *Learning to Live in the Knowledge Society, IFIP WCC 2008*. Milano Convention Centre, Milan. Italy. September 2008. 167-170.

Slay,H, Sieborger,I and Hodgkinson-Williams,C. "The use of interactive whiteboards to support the creation, capture and sharing of knowledge in South African schools". *Learning to Live in the Knowledge Society, IFIP WCC 2008*. Milano Convention Centre, Milan. Italy. September 2008. 19-26.

Murray,S

Dalvit,L, Murray,S and Terzoli,A. "The role of indigenous knowledge and languages in computer education in Africa". IFIP 2008 World Computer Congress (WCC). Fiera, Milan. Italy. September 2008. 287-294.

Dalvit,L, Murray,S and Terzoli,A. "Gramsci, functional linguistics and ethocomputing: the role of indigenous knowledge and languages in computer education in Africa". Learning to Live in the Knowledge Society, IFIP WCC 2008. Milano Convention Centre, Milan. Italy. September 2008. 281-294.

Dalvit,L, Terzoli,A and Murray,S. ""La conoscenza indigena nell'educazione all'informatica in Africa: da Gramsci all'etno-informatica (Indigenous knowledge and the teaching of computer science in Africa: from gramsci to ethnocomputing)". Didamaica. Taranto, Taranto. Italy. April 2008.

Nyambe,J and Wilmot,D

Nyambe,J and Wilmot,D. "Bernstein's theory of pedagogy discourse: a framework for understanding how teacher educators in a Namibian college of education interpret and practice learner-centred pedagogy". 5th Bernstein Symposium. University of Cardiff, Cardiff. Wales. July 2008. 348-373.

O'Donoghue,RB

O'Donoghue,RB. "Extending EE / ESD from awareness creation and ethical action to change orientated learning in relation to sustainability practices". United Nations Teacher Education Network on Education for Sustainable Development. University of Anatolia, Eskisehir. Turkey. June 2008.

O'Donoghue,RB. "Extending EE/ESD from awareness creation to ethical action through stakeholder engagement in change-orientated learning". Transforming Higher Education for a Sustainable Tomorrow. Universiti Sains Malaysia, Penang. Malaysia. November 2008.

Schafer,M and Atebe,H.U.

Schafer,M and Atebe,H.U. "Van Hiele levels of geometric thinking of Nigerian and South African mathematics learners". 16th Annual Congress of the Southern African Association for Research in Mathematics, Science and Technology Education (SAARMSTE). University of Lesotho, Maseru. Lesotho. January 2008. 104-130.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Lotz-Sisitka,H**

Lotz-Sisitka,H. Invited presentation. "Education for sustainable development and educational quality in Southern Africa". SADC / UNESCO Education Sector Joint Meeting. Not known. Gaborone, Botswana. 14 - 15 February 2008.

Lotz-Sisitka,H. Invited presentation. "Community, learning and sustainability". A series of papers presented at Schumaker College. Schumaker College. Dartmoor, United Kingdom. 24 - 28 February 2008.

Lotz-Sisitka,H. Invited presentation. "Community engagement and the Makana Regional Centre of Expertise: an experiment in social learning for sustainability ". Centre for Sustainable Futures. University of Plymouth. Plymouth, United Kingdom. 28 February 2008.

Lotz-Sisitka,H. Invited presentation. "Learning to live with it? Implications of climate change for education in Southern Africa". Ibis Conference on Environmental Education and Formal Education. Pretoria, South Africa. 10 March 2008.

Lotz-Sisitka,H. Invited presentation. "Education for sustainable development and the search for a sustainable future". Swedish International Development Assistance Education Directorate. Stockholm, Sweden. 7 May 2008.

Lotz-Sisitka,H. Invited presentation. "Researching workplace learning and sustainability practices. A Rhodes University research programme". SAQA Researching Work and Learning Seminar. Rhodes University. Grahamstown, South Africa. 7 - 8 August 2008.

Lotz-Sisitka,H. Invited presentation. *"A practice-centred approach to education for sustainability in universities"*. Bahir Dar University. Bahir Dar University. Bahir Dar, Ethiopia. 21 August 2008.

Lotz-Sisitka,H. Invited presentation. *"Learning to live with it? Troubling education with evidence of global climate change"*. Presentation at the United Nations Environment Programme Climate Change Division. Nairobi, Kenya. 3 September 2008.

Lotz-Sisitka,H. Invited presentation. *"Theory matters: designing a conceptual framework for research programme on workplace learning and sustainability practices"*. SAQA Staff Seminar. Rhodes University. Grahamstown, South Africa. 22 November 2008.

Lotz-Sisitka,H, Ketlhoilwe,M, Namafe,C and Shumba,O

Lotz-Sisitka,H, Ketlhoilwe,M, Namafe,C and Shumba,O. Invited presentation. *"Researching environmental education and educational quality and relevance in Southern Africa. A research programme presentation"*. Environmental Education Association of Southern Africa Conference. University of Swaziland. Mbabane, Swaziland. 28 - 31 July 2008.

Makute,M

Makute,M. Invited presentation. *"Exploring and expanding learning processes in sustainable agriculture workplace contexts: presentation of proposal and progress report"*. SAQA Meeting. Pretoria, South Africa. 21 November 2008.

Nsubuga,Y

Nsubuga,Y. Presenter. *"Curriculum implementation at rural disadvantaged schools: a Bernsteinian analysis"*. Eastern Cape Post-graduate Colloquium. Walter Sisulu University, Mthatha Campus. Mthatha, South Africa. 22 - 23 May 2008.

Olvitt,LL

Olvitt,LL. Invited presentation. *"Exploring strategies to establish more localized nodes of EEASA activities"*. EEASA Annual Conference. University of Swaziland. Manzini, Swaziland. 29 July - 1 August 2008.

Olvitt,LL. Invited presentation. *"Researching change-oriented workplace learning and sustainable development practices"*. Researching Work and Learning Colloquium. University of the Western Cape. Cape Town, South Africa. 12 August 2008.

Schudel,I

Schudel,I. Invited presentation. *"How can EE officers design programmes to support the implementation of the environmental focus in the current curriculum?"*. Limpopo Provincial Environmental Education Seminar. Not known. Limpopo Province, South Africa. 23 - 24 July 2008.

Togo,M

Togo,M. Presenter. *"The MESA International training programme 'Education for Sustainable development in Higher Education' in Africa"*. MESA workshop. Rhodes University. Grahamstown, South Africa. 12 - 18 July 2008.

Wilmot,D

Wilmot,D. Ran a workshop. *"Outcomes-based assessment in the NCS"*. Workshop for Kholetso Daniels Secondary School. Rhodes University. Grahamstown, South Africa. 30 October 2008.

DISTINGUISHED VISITORS

Tedrow,B

Professor B Tedrow. Fulbright Senior Specialist: Georgia State University, Atlanta, United States of America. Collaboration and workshops. May - Jun 2008.

JOURNAL SUBSIDY UNITS	UNITS
Atebe,HU and Schäfer,M	
<i>Atebe,HU and Schäfer,M</i> . ""As soon as the four sides are all equal, then the angles must be 90o each": children's misconceptions in geometry". African Journal of Research in Science, Mathematics and Technology. 2008. 12(2),53-74.	1.00
Euvrard,GJ	
Heath,L and <i>Euvrard,GJ</i> . "The development of the sexual responsiveness scale for adolescents and young adults: putting a definition of sexual orientation to the test". South African Journal of Psychology. 2008. 38(4), 633-646.	0.50
Hodgkinson-Williams,C	
<i>Slay,H, Sieborger,I and Hodgkinson-Williams,C</i> . "Interactive whiteboards: real beauty or just 'lipstick'?" . Computers & Education. 2008. 51,1321-1341.	0.34
<i>Slay,H, Sieborger,I and Hodgkinson-Williams,C</i> . "A feasibility study on the use of 'smart' pens in teaching and learning environments". South African Computer Journal. 2008. 40,83-94.	0.34
Hogan,R	
<i>Hogan,R</i> . "Contextualizing formal education for improved relevance: a case from the Rufiji wetlands, Tanzania". Southern African Journal of Environmental Education. 2008. 25,44-58.	1.00
Lotz-Sisitka,H	
<i>Lotz-Sisitka,H</i> . "Viewpoint: reading conference recommendations in a wider context of social change". Southern African Journal of Environmental Education. 2008. 25,189-196.	1.00
<i>Lotz-Sisitka,H</i> . "Editorial: environmental education and educational quality and relevance. Opening the debate". Southern African Journal of Environmental Education. 2008. 25,1-13.	1.00
<i>Shackleton,SE, Campbell,BM, Shackleton,CM and Lotz-Sisitka, H</i> . "Links between the local trade in natural products, livelihoods and poverty alleviation in a semi-arid region of South Africa". World Development. 2008. 36(3),505-526.	0.25
Lupele,J	
<i>Lupele,J</i> . "Underlying mechanisms affecting institutionalisation of environmental education courses in Southern Africa". Southern African Journal of Environmental Education. 2008. 25,111-129.	1.00
Nsubungu,Y	
<i>Nsubungu,Y</i> . "A Bernsteinian analysis of the integration of natural resource management in the curriculum of a rural disadvantaged school". Southern African Journal of Environmental Education. 2008. 25,97-110.	1.00
Rau,A	
Rau,A. "Anarchic Educational Leadership: An alternative model for postgraduate supervision." Indo Pacific Journal of Phenomenology, Special Edition: Phenomenology and Education, February 2008. http://www.ipjp.org	1.00
Rosenberg,E	
<i>Rosenberg,E</i> . "Eco-Schools and the quality of education in South Africa: realising the potential". Southern African Journal of Environmental Education. 2008. 25,25-43.	1.00
Schudel,I, Lotz-Sisitka,H and O'Donoghue,RB	
<i>Schudel,I, Roux,C, Lotz-Sisitka,H, Loubser,C, O'Donoghue, RB and Shallcross,T</i> . "Contextualising learning in advanced certificate in education (environmental education) courses: synthesising contexts and experiences". South African Journal of Education. 2008. 28,543-559.	0.50
Togo,M	
<i>Togo,M</i> . "Sustainability assessment using the unit-based sustainability assessment tool: the case of three teaching departments at Rhodes University, South Africa ". Southern African Journal of Environmental Education. 2008. 25,147-164.	1.00
van der Mescht,H	
<i>van der Mescht,H</i> . "Educational leadership and management - some thoughts from the field". Journal of Education. 2008. 44,7-24.	1.00
van der Mescht,H and Tyala,Z	
<i>van der Mescht,H and Tyala,Z</i> . "School principals' perceptions of team management: a multiple case-study of secondary schools ". South African Journal of Education. 2008. 28 (2),221-239.	1.00
TOTAL	12.93

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Brown	Mutuku	M	0.5
Brown	Neshuku	M	0.5
Hodgkinson-Williams	Mbane	M	1.0
Lotz-Sisitka	Davies	M	0.5
Lotz-Sisitka	Haingura	M	1.0
Lotz-Sisitka	Mazingisa	M	0.5
Lotz-Sisitka	Moose	M	0.5
Lotz-Sisitka	Shonhai	M	1.0
Lotz-Sisitka	Taljaard	M	0.5
Lotz-Sisitka	Tundzi	M	0.5
Lotz-Sisitka	Togo	D	3.0
Murray	Leask-Smith	M	0.5
Murray	Nghiueuelekuah	M	0.5
Ngcoza	Cimi	M	0.5
Ngcoza	Malunguza	M	0.5
O'Donoghue	Davies	M	0.5
O'Donoghue	Rasi	M	0.5
Schäfer	Ausiku	M	0.5
Schäfer	Haufiku	M	0.5
Schäfer	Ilukena	M	0.5
Schäfer	Luwango	M	0.5
Schäfer	Mateya	M	0.5
Schäfer	Muyeghu	M	0.5
Schäfer	Atebe	D	3.0
Schudel	Mambinja	M	0.5
Schudel	Snow	M	0.5
Smith	Nompozolo	M	0.25
Smith	Piepmeyer	M	0.5
Smith	Nyambe	D	1.5
Smith	Sinvula	M	0.5
Van der Mescht	Shekupakela-Nelulu	M	0.5
Van der Mescht	Thomson	D	1.5
Van Harmelen	Angula	M	0.5
Van Harmelen	Avia	M	0.5
Van Harmelen	Chombo	M	0.5
Wilmot	Nyambe	D	1.5
TOTAL			27.25

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
Proceedings of the 16th Annual Conference of the Southern African Association for Research in Mathematics, Science and Technology Education	Van Hiele levels of geometric thinking of Nigerian and South African mathematics learners	Atebe HU, Schafer M
Proceedings of the 16th Annual Conference of the Southern African Association for Research in Mathematics, Science and Technology Education	"As soon as the four sides are all equal, then the angles must be 90 each". Children's misconceptions in geometry	Schafer M, Atebe HU

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Participation and Learning: perspectives on education and the environment health and sustainability	Participation, situated culture, and practical reason	Lotz-Sisitka, H, O'Donoghue R

ENGLISH

Professors Dan Wylie and Mike Marais head the productivity list for 2008: Wylie published one book, edited another, and contributed a chapter to a third, while Marais, continuing (in addition) as Editor of *English in Africa*, published an article and two chapters in a book of critical perspectives on J M Coetzee. An earlier book of Wylie's, *Shaka: Myth of Iron*, won the Vice-Chancellor's Book Award for 2008. Dr Deborah Seddon was not far behind Wylie and Marais, with two articles and two conference papers, while Jamie McGregor scooped something of a coup by being awarded the Thomas Pringle Prize for the first journal article he has published. Jayne Glover, Bridget Grogan and Paul Walters also helped to maintain the Department's conference presence. Much of the published work shows a pleasing engagement with ethical and ecological issues of our time and place.

The Department benefitted from the presence of our first Andrew Mellon Foundation Post-Doctoral Fellow, Dr Travis Mason from Canada, whose original concern with birds in Canadian poetry was considerably broadened by his exposure to the Karoo and collegial interaction with Dan Wylie. We look forward to a South African "turn" in Dr Mason's forthcoming publications. Colleagues and senior students enjoyed almost daily informal interaction with Dr Mason.

PROFESSOR PAUL WALTERS
ACTING HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

MacLennan,D

MacLennan,D. "Lament for the locomotives". In: Stimela: railway poems of South Africa. Echoing Green Press. South Africa. 2008. 31-35. ISBN: 978-0-620-41938-3.

Wylie,D

Wylie,D. "Toxic belonging? identity and ecology in Southern Africa". Wylie, D (Ed). Cambridge Scholars Publishing. Newcastle. First Edition. 2008. 20 pp.

Wylie,D. "Elephant". Reaktion Books. London. First Edition. 2008. 1-205. ISBN: 978-1-86189-397-0.

Wylie,D, Morison,T and Springer,M

Wylie,D, Wright,L, Morison,T, Michell,L, Kirkaldy,A, Springer,M, Woodward,W, Gressier,C, Mulcock,J, Trigger,D, Farrington,K, Louw,P and Martin,J. Toxic Belonging? Identity and ecology in southern Africa. Cambridge Scholars Publishing. Cambridge. First Edition. 2008. 1-268. ISBN: 1-84717-514-2.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Beard,M

Beard,M. ""She travels alone and unattended": the visit to the Eastern Cape of the botanical artist Marianne North". *De Arte*. 2007. (76),33-48.

Cornwell,G

Cornwell,G. "An image of animals: speciesism in J.M. Coetzee's *Disgrace*". *English Academy Review*. 2008. 25(1),133-138.

Marais,M

Marais,M. "From the standpoint of redemption: aesthetic engagement and social engagement in J.M. Coetzee's fiction of the late apartheid period". *Journal of Narrative Technique*. 2008. 38(2),229-248.

McGregor,J

McGregor,J. ""The sea, music and death": the shadow of Wagner in Woolf's *Mrs Dalloway*". *English Studies in Africa*. 2006. 49(2),83-108.

Seddon,D

Seddon,D. "Written out, writing in: orature in the South African literary canon". *English in Africa*. 2008. 35(1),133-150.

Seddon,D. "Unsettling South Africa's inert past: Denis Hirson's *White scars: on reading and rites of passage*". *Scrutiny*2. 2008. 13(1),82-91.

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. 1(1),49-61.

Walters,P

Walters,P and Fogg,J. "Olive Schreiner in Rhodesia: an episode in a biography". *English in Africa*. 2008. 34(2),93-109.

Wylie,D

Wylie,D. "Long and wandering forest': Sidney Clouts, geophilosophy and trees". *Alternation: International Journal for The Study of Southern African Literature and Languages*. 2007. 14(2),72-96.

OTHER PUBLICATIONS**Marais,M**

Marais,M. "Literature and the labour of negation: J.M. Coetzee's *Life & times of Michael K*". In: J.M. Coetzee: critical perspectives. Baral, KC (Ed) Pencraft International. New Delhi. 2008. 68-88. ISBN: 81-85753-91-1.

Marais,M. "Places of pigs: the tension between implication and transcendence in J.M. Coetzee's *Age of iron* and *The master of Petersburg*". In: J.M. Coetzee: critical perspectives. Baral, KC (Ed) Percraft International. New Delhi. 2008. 102-115. ISBN: 81-85753-91-1.

Wylie,D

Wylie,D. "White myths of Shaka". In: Zulu identities: being Zulu, past and present. Carton,B, Laband,J and Sithole, J (Eds) University of KwaZulu-Natal Press. Pietermaritzburg. 2008. 82-86. ISBN: 978-1-86914-154-7.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Glover,J**

Glover,J. "A dystopian paradise: ecological philosophy in Margaret Atwood's *Oryx and Crake*". *International Conference on the Humanities in Southern Africa*. University of Pretoria, Pretoria. South Africa. June 2008.

Grogan,J

Grogan,J. "'My body's what you make of it': reading corporeality in Patrick White's fiction". *International Conference on the Humanities in Southern Africa*. University of Pretoria, Pretoria. South Africa. June 2008.

Seddon,D

Seddon,D. "'Be a mighty hard message': Toni Morrison's *Beloved* and the exploration of whiteness in the post-apartheid classroom". *Interrogating Whiteness: literary representations of 'race' in Africa*. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. May 2008.

Walters,P

Walters,P. "Schreiner and Cronwright: the Kimberley years (1894-1898) revisited". *International Conference on the Humanities in Southern Africa*. University of Pretoria, Pretoria. South Africa. June 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

ii. International Conferences

Seddon,D

Seddon,D. "Lobola, the intombi, and the soft-porn centaur: teaching *King Lear* in the post-apartheid South African classroom". *Teaching the Early Modern Period*. University College, Dublin. Ireland. June 2008.

JOURNAL SUBSIDY UNITS	UNITS
Beard,M	
<i>Beard,M.</i> "'She travels alone and unattended': the visit to the Eastern Cape of the botanical artist Marianne North". <i>De Arte</i> . 2007. (76),33-48.	1.00
Cornwell,G	
<i>Cornwell,G.</i> "An image of animals: speciesism in J.M. Coetzee's <i>Disgrace</i> ". <i>English Academy Review</i> . 2008. 25(1),133-138.	1.00
McGregor,J	
<i>McGregor,J.</i> "'The sea, music and death': the shadow of Wagner in Woolf's <i>Mrs Dalloway</i> ". <i>English Studies in Africa</i> . 2006. 49(2),83-108.	1.00
Seddon,D	
<i>Seddon,D.</i> "Written out, writing in: orature in the South African literary canon". <i>English in Africa</i> . 2008. 35(1),133-150.	1.00
<i>Seddon,D.</i> "Unsettling South Africa's inert past: Denis Hirson's <i>White scars: on reading and rites of passage</i> ". <i>Scrutiny</i> 2. 2008. 13(1),82-91.	1.00
Walters,P	
<i>Walters,P</i> and <i>Fogg,J.</i> "Olive Schreiner in Rhodesia: an episode in a biography". <i>English in Africa</i> . 2008. 34(2),93-109.	0.50
Wylie,D	
<i>Wylie,D.</i> "'Long and wandering forest': Sidney Clouts, geophilosophy and trees". <i>Alternation: International Journal for The Study of Southern African</i> . 2007. 14(2),72-96.	1.00
TOTAL	6.50

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Cornwell	Robinson	M	1.0
Gouws	Hacksley	M	1.0
Marais	Williams	M	1.0
Wylie	McGregor	D	3.0
TOTAL			6.0

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Toxic belonging: identity and ecology in southern Africa	Introduction	Wylie D
Toxic belonging: identity and ecology in southern Africa	Stealing identities? Appropriations of //Kabbo's oral testimonies: an ecocritical view	Wylie, D
Elephant	Whole book	Wylie, D
Stimela: railway poems of South Africa	Lament for the locomotives	MacLennan, D
Stimela: railway poems of South Africa	The parting	Butler, G
Toxic belonging: identity and ecology in southern Africa	Our "place in the family of things": a story of animals, (re)connection and belonging in the world	Morison, T
Toxic belonging: identity and ecology in southern Africa	Ecological Sensitivities in Menan du Plessi' <i>A State of Fear</i>	Springer M

ENGLISH LANGUAGE AND LINGUISTICS

During 2008 the Department continued its strategy of consolidating its undergraduate programme by conducting an extensive review of the curriculum and updating the study manuals. The alignment of the courses into strands of study will now enable the department to offer a more coherent undergraduate programme. Plans are also afoot to consolidate the postgraduate programme by providing distinct course work offerings for Honours and Masters-by-coursework. Two PhD students continued working on their theses, one had her doctoral proposal approved by the Higher Degrees Committee, and two masters students submitted their theses while four others worked towards completing theirs.

Staff also remained active in their research activities and produced 4 publications in highly reputed peer-reviewed journals. At the same time, six papers plus two posters were presented at conferences nationally and one paper and one exhibition were presented at international conferences (Italy and New Zealand). The Department continued its collaboration with Stellenbosch University in carrying out research on *Educated mother-tongue South African English*. At the beginning of the year, three postgraduate students presented posters and papers to an international audience in Cape Town. At home the Department continued with its programme of holding fortnightly research seminars. Mr. Bekker completed and submitted his PhD thesis on the acoustic analysis of South African English accent. Dr de Vos embarked on the SANPAD-funded project titled *Morphosyntactic variation in varieties of Afrikaans*. In addition, the Department established an exchange agreement with the Department of English Language and Culture at Vrije Universiteit Amsterdam. Dr Simango continued his participation in the CASAS project on harmonization and standardization of the orthographies of African languages by conducting workshops in Windhoek (Namibia), Lusaka (Zambia) and Juba (Sudan).

Prof Adendorff and Dr Simango are members of the Academy of Science of South Africa; Dr de Vos, Ms Pienaar and Dr Simango serve on the executive board of the Linguistic Society of Southern Africa. Dr Simango is also a member of the editorial board for the journal *Southern African Linguistics and Applied Language Studies* as well as the journal *The Open Applied Linguistics Journal* (Bentham Science Publishers) for which he is also a reviewer.

DR RON SIMANGO
ACTING HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

De Vos,MA

De Vos,MA. "Review of: Roland Hinterhölzl, scrambling, remnant movement, and restructuring in West Germanic". *Journal of Linguistics*. 2008. 44,243-247.

De Vos,MA. "Deriving Narrow Syntax through constraints on information structure: a parallel between linguistic models of displacement and database theory". *Lingua*. 2008. 118,1864-1899.

Hunt,S

Dowse,R, Hunt,S and La Rose,C. "Health literacy assessment: relexicalising a U.S. test for a South African population". *Southern African Linguistics and Applied Language Studies*. 2008. 26(2),267-281.

Pienaar,KM and Marshall,C

Pienaar,KM and Marshall,C. "You are not alone: the discursive construction of the suffering victim identity on The Oprah Winfrey Show". *Southern African Linguistics and Applied Language Studies*. 2008. 26(4),525-546.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Adendorff,RD

Adendorff,RD. "The Expression of AFFECT in discussions of AIDS and the bucket system". *SAALA/LSSA Annual Conference*. Stellenbosch University, Cape Town. South Africa. January 2008.

Adendorff,RD. "The role of cartoons in achieving key FET assessment standards". *Eastern Cape English Teachers Conference*. Rhodes University, Grahamstown. South Africa. March 2008.

Aziakpono,P

Aziakpono,P. Poster. "The attitudes of Xhosa-speaking students toward language of learning and teaching issues at Rhodes University". *LSSA/SAALA Annual Conference*. Stellenbosch University. Cape Town, South Africa. 18 January 2008.

De Vos,MA

De Vos,MA. "The configurational nature of EPP". *LSSA 2008*. University of Stellenbosch, Stellenbosch. South Africa. February 2008.

Hunt,S and La Rose,C

Hunt,S, La Rose,C and Dowse,R. "Literacy and access to information about health issues in a multi-cultural society". *3rd International Symposium on Intercultural Communication and Linguistics*. Stellenbosch University, Stellenbosch. South Africa. January 2008.

MacFarlane,D

MacFarlane,D. Poster. "Investigations into computationally viable vowel normalisation techniques". *LSSA/SAALA Annual Conference*. Stellenbosch University. Cape Town, South Africa. 18 January 2008.

Marshall,C

Marshall,C. "You are not alone: the discursive co-construction of the "suffering victim" on The Oprah Winfrey Show". *LSSA/SAALA Annual Conference*. Stellenbosch University, Cape Town. South Africa. January 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

ii. International Conferences**De Vos,MA**

De Vos,MA. "Progress report: comparing syntactic variation in a South African underdeveloped context". *Workshop European Dialect Syntax III*. University of Venice , Venice. Italy. September 2008.

Pienaar,KM

Pienaar,KM. "Stories within stories: oppositional discourses of sexual identity in coming out narratives". *International Gender and Language Association (IGALA) 2008*. Victoria University, Wellington. New Zealand. July 2008.

Simango,SR

Simango,SR. "Morphological causatives and the structure of events: evidence from ciNsenga". *Intercultural Communication and Linguistics*. Stellenbosch University, Cape Town. South Africa. January 2008.

JOURNAL SUBSIDY UNITS	UNITS
De Vos,MA	
De Vos,MA. "Review of: Roland Hinterhölzl, scrambling, remnant movement, and restructuring in West Germanic". <i>Journal of Linguistics</i> . 2008. 44,243-247.	1.00
De Vos,MA. "Deriving Narrow Syntax through constraints on information structure: a parallel between linguistic models of displacement and database theory". <i>Lingua</i> . 2008. 118,1864-1899.	1.00
Hunt,S	
Dowse,R, Hunt,S and La Rose,C. "Health literacy assessment: relexicalising a U.S. test for a South	0.34

African population ". Southern African Linguistics and Applied Language Studies. 2008. 26(2),267-281.	
Pienaar,KM and Marshall,C	
<i>Pienaar,KM and Marshall,C.</i> "You are not alone: the discursive construction of the suffering victim identity on The Oprah Winfrey Show". Southern African Linguistics and Applied Language Studies. 2008. 26(4),525-546.	1.00
TOTAL	3.34

ENVIRONMENTAL SCIENCE

The Department of Environmental Science had a good year in terms of research completed and outputs, although a little down on the previous couple of years. This year we have 12 papers in refereed journals, 5 book chapters, and 16 conference presentations, which, although lower than previously, is still well above the university and national norms on a per capita basis. Particularly pleasing is the high number of conference presentations led by postgraduate students. The dip in subsidy-earning publications is balanced by a good output of postgraduates, with four Masters (Dylan McGarry, Collins Nsor, Jim Saunders and Melita Steele) and one PhD (Kelly Scheepers) graduating in April 2008. Kelly was the first PhD graduate from the department who started as an undergraduate with us and progressed through to the PhD level – a significant landmark for our young department. By the end of 2008 we have had six postgraduates submitting theses for examination, four Masters (Nic Davenport, Shafick Hoosain, Claire Martens, Mike Powell) and two PhDs (Georgina Cundill and Sarah Kaschula), and will hopefully graduate in April 2009. During 2008 we had the largest ever Honours and joint Honours class, which should bode well for publication output in the next year or so. Mr Matt McConnachie's application to upgrade his Masters degree to a PHD was successful.

This year saw two new academic staff join the department. In March Professor Fred Ellery joined the team (following the resignation of Professor Christo Fabricius in late 2007) and fills a much needed niche in promoting research and teaching around wetland systems. He has already published his first peer-reviewed journal paper under Rhodes' affiliation. In July Dr Sheona Shackleton was formally appointed in the department after having spent a number of years as a self-funded Research Associate. Her expertise and research productivity in rural livelihoods and natural resources formalises this niche area of the department to which she has already contributed for a number of years. Dr James Gambiza continued working on his thesis for a Masters in Education, which should be complete in early 2009.

We were hugely pleased when a paper published by Nigel Chalmers and Prof Christo Fabricius (formerly of the department) was selected for the Ralf Yorke Memorial Prize as the most novel paper published in 2007 in the journal *Ecology and Society* that integrates different streams of science to assess fundamental questions in the ecological, political, and social foundations for sustainable social-ecological systems.

In January the department hosted a four day international policy dialogue on the contribution of African indigenous vegetables to urban agriculture in African cities. It was the culmination of a two-year European Commission funded project exploring the same topic. The primary aims of the workshop to (i) summarise and highlight the key scientific messages, (ii) translate the scientific messages into policy lessons and language, and (iii) deliver the policy lessons to a selection of invited policy makers. It was attended by 85 policy makers and scientists, mostly from other African countries. A book will be published in 2009.

Since it was the 10th year of Environmental Science at Rhodes, we had many distinguished visitors to the department, who shared their thoughts and experiences in a variety of thought provoking lectures. These included:

- (i) Dr Bob Smith (Durrell Institute of Conservation & Ecology at the University of Kent, Canterbury, UK) on "Marketing and conservation: how to lose friends and influence people"
- (ii) Professor Kevin McSweeney (Dept Soil Science and Environmental Studies, University of Wisconsin, Madison USA) on "The University of Wisconsin Arboretum: the history and emerging challenges for restoration ecology in an urban setting";
- (iii) Ms Britt Coles (Dept of Interdisciplinary Ecology, University of Florida, USA) on "A woman's work is never done: a spatio-temporal comparison of the wild harvesting movements of women and girls on the Wild Coast.",
- (iv) Professor James Blignaut (Dept of Economics, University of Pretoria) on "Making markets work for people and the environment" and
- (v) A panel discussion on the "the next ten years of Environmental Science" with four national speakers comprised of Tanya Abrahamse (CEO of the South African Biodiversity Institute) Dr Bob Scholes (CSIR), Prof. Coleen Vogel (University of the Witwatersrand) and Dr Rachel Wynberg, (University of Cape Town).

PROFESSOR CHARLIE SHACKLETON
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Cundill,G and Fabricius,C

Cundill,G and Fabricius,C. "Adaptive co-management under resource-poor conditions: lessons from South Africa". In: Exploring sustainability science: a Southern African perspective. African Sun Media. Stellenbosch. First Edition. 2008. 537-567. ISBN: 978-1-920109-51-6.

Shackleton,C.M

Gunarso,P, Setyawati,T, Sunderland,T and *Shackleton,C.M.* "Managing forest resources in a decentralized environment: lessons learnt from the Malinau research forest, East Kalimantan, Indonesia". CIFOR. Bogor. First Edition. 2007. 1-190. ISBN: 978-979-24-4688-3.

Shackleton,CM

Gunarso,P, Dwi Santosa,K, *Shackleton,CM*, Sunderland,T, Campbell,BM, Priyadi,H, Levang,P, Sheil,D and Dounias,E. "Towards sustainable forest management and improved livelihoods in tropical forests: lessons and conclusions". In: Managing forest resources in a decentralized environment: lessons learnt from the Malinau research forest, East Kalimantan, Indonesia. CIFOR. Indonesia. First Edition. 2007. 181-190. ISBN: 978-979-24-4688-3.

Shackleton,SE

Shackleton,SE. "Box 7 - Impact of timber certification on resource access in South Africa". In: Beyond timber: certification of non-timber forest products. CIFOR. Bogor. First Edition. 2008. 35-45. ISBN: 978-979-1412-44-5.

Shackleton,SE, Shanley,P and Ndoye,O. "Invisible but viable: recognising local markets for non-timber forest products". In: Managing non-timber forest products: global perspectives. The Icfai University Press. India. First Edition. 2008. 28-61. ISBN: 978-81-314-1528-3.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Ellery,W.N

Grenfell,M.C, *Ellery,W.N* and Grenfell,S.E. "Tributary valley impoundment by trunk river floodplain development: a case study from the KwaZulu-Natal Drakensberg foothills, eastern South Africa". *Earth Surface Processes and Landforms*. 2008. 33,2029-2044.

Ellery,WN

Appleton,CC, *Ellery,WN*, Byskov,J and Mogkweetsinyana,SS. "Epidemic transmission of intestinal schistosomiasis in the seasonal part of the Okavango Delta, Botswana". *Annals of Tropical Medicine and Parasitology*. 2008. 102(7),611-623.

Fourie,S

Fourie,S. "Composition of the soil seed bank in alien-invaded grassy fynbos: potential for recovery after clearing". *South African Journal of Botany*. 2008. 74,445-453.

Behenna,M, *Vetter,S* and *Fourie,S.* "Viability of alien and native seed banks after slash and burn: effects of soil moisture, depth of burial and fuel load". *South African Journal of Botany*. 2008. 74,454-462.

Gambiza,J

Gambiza,J, Campbell,BM, Mapaure,I and Moe,SR. "Season of grazing and stocking rate interactively affect fuel loads in *Baikiaea plurijuga* harms woodland in northwestern Zimbabwe". *African Journal of Ecology*. 2008. 46,637-645.

Kaschula,SA

Kaschula,SA. "Wild foods and household food security responses to AIDS: evidence from South Africa". *Population and Environment*. 2008. 29,162-185.

Knight,AT

Knight,AT and Cowling,RM. "Clearing the mud from the conservation opportunity debate: reply to Pressey and Bottrill". *Conservation Biology*. 2008. 22(5),1346-1348.

McConnachie,M and Shackleton,CM

McConnachie,M, *Shackleton,CM* and *McGregor,GK*. "The extent of public green space and alien plant species in 10 small towns of the sub-tropical thicket biome, South Africa". *Urban Forestry and Urban Greening*. 2008. 7(1),1-13.

Shackleton,CM

Cocks,ML, *Bangay,L*, *Shackleton,CM* and *Wiersum,KF*. "'Rich man poor man' – inter household and community factors influencing the use of wild plant resources amongst rural households in South Africa". *International Journal of Sustainable Development and World Ecology*. 2008. 15(3),198-211.

Dovie,DB, *Witkowski,ET* and *Shackleton,CM*. "Knowledge of plant resource use based on location, gender and generation". *Applied Geography*. 2008. 28,311-322.

Shackleton,CM and Gambiza,J

Shackleton,CM and *Gambiza,J*. "Social and ecological trade offs in combating land degradation: the case of invasion by a woody shrub (*Euryops floribundus*) at Macubeni, South Africa". *Land Degradation & Development*. 2008. 19,454-464.

Shackleton,CM and Paumgarten,F

Shackleton,CM, *Paumgarten,F* and *Cocks,ML*. "Household attributes promote diversity of tree holdings in rural areas, South Africa". *Agroforestry Systems*. 2008. 72(3),221-230.

Shackleton,SE and Shackleton,CM

Shackleton,SE, *Campbell,BM*, *Shackleton,CM* and *Lotz-Sisitka,H*. "Links between the local trade in natural products, livelihoods and poverty alleviation in a semi-arid region of South Africa". *World Development*. 2008. 36(3),505-526.

OTHER PUBLICATIONS**Kaschula,SA**

Kaschula,SA. "How can we measure the 'HIV/AIDS effect' on household food security? Piloting an experiential indicator in Nkandla, KwaZulu-Natal". *South African Journal of Clinical Nutrition*. In: Letters to the Editor. ISBN: 0038-2469.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Davenport,N**

Davenport,N. "The contribution of municipal commonage to local people's livelihoods in small South African towns within the thicket biome". *Annual Thicket Forum*. Thomas Baines Nature Reserve, Grahamstown. South Africa. August 2008.

Fourie,S

Fourie,S. "The Kouga Riparian rehabilitation project". *Fynbos Forum*. Not known, Oudtshoorn. South Africa. August 2008.

Knight,A.T

Knight,A.T and *Cowling,R.M*. "Thicket forum: past, present and future". *Annual Thicket Forum*. Thomas Baines Nature Reserve, Grahamstown. South Africa. August 2008.

Martens,C

Martens,C. "Governance & management of commonage in three small towns in the Eastern Cape, South Africa". *Annual Thicket Forum*. Thomas Baines Nature Reserve, Grahamstown. South Africa. August 2008.

McConnachie,M

McConnachie,M. "Assessing the cost-effectiveness of restoration alternatives for invaded riparian areas". *Fynbos Forum*. Oudtshoorn. South Africa. August 2008.

Powell,M and Shackleton,C.M

Powell,M, Shackleton,C.M, Bangay,L, Mills,A, Spekreijse,J and Cowling,R.M. "Spekboom survivorship during subtropical thicket restoration". *Annual Thicket Forum*. Thomas Baines Nature Reserve, Grahamstown. South Africa. August 2008.

Powell,M, Shackleton,C.M, Bangay,L, Mills,A, Spekreijse,J and Cowling,R.M. "*Portulacaria afra* truncheon survivorship within a large-scale restoration programme in the Baviaanskloof". *Annual South African Wildlife Management Association*. Mpekeni Sun, Port Alfred. South Africa. September 2008.

Shackleton,SE

Shackleton,SE, Kassa,H, Husselman,M and Zida,M. "Forest-based enterprises in Africa's dry forests: where do women stand? ". *Sustainable forest management in Africa*. Stellenbosch. South Africa. November 2008.

Stickler,M and Shackleton,CM

Stickler,M and Shackleton,CM. "The challenges of valuing localised ecosystem services provided by sub-tropical thicket on the Bathurst commonage". *Annual Thicket Forum*. Thomas Baines Nature Reserve, Grahamstown. South Africa. August 2008.

Weyer,D and Shackleton,SE

Weyer,D, Shackleton,SE and Sigwela,A. "Informing forest restoration through local knowledge: a study from the wild coast, South Africa". *Sustainable forest management in Africa*. Stellenbosch. South Africa. November 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Cundill,G**

Cundill,G. "Toward collaborative monitoring in adaptive co-management: a framework and less from South Africa". *9th Student Conference on Conservation Science*. Cambridge. England. March 2008.

Cundill,G. "Scale mismatches in monitoring: short careers and slow variables". *Resilience, Adaptation & Transformation in turbulent times*. Stockholm. Sweden. April 2008.

Knight,A.T

Knight,A.T and Cowling,R.M. "Towards a true ecology: exploring the human and social dimensions of fencing for conservation in the subtropical thicket biome, South Africa". *XXII Annual Meeting of the Society for Conservation*. Tennessee. America. July 2008.

Walpole,S.C, Knight,A.T, Dick,R.C and Robson,A.D. "Integrating expert knowledge and systematic assessment to resolve land-use conflict in the northern floodplains region, New South Wales". *Australian Protected Areas Congress*. Queensland. Australia. November 2008.

Knight,AT

McGregor,GK and Knight,AT. "Conservation planning and inter-disciplinarity: improving map products". *5th International Conference in GIS (ICGIS)*. Fatih University, Istanbul. Turkey. July 2008.

McGregor,GK and Knight,AT. "Conservation planning and inter-disciplinarity: improving map products". *5th International Conference on GIS (ICGIS)*. Fatih University, Istanbul. Turkey. July 2008.

McGregor,GK and Knight,AT. "Conservation planning and inter-disciplinarity: improving map products". 5th International Conference on Geographic Information Systems. Fatih University, Istanbul. Turkey. July 2008. 1.

JOURNAL SUBSIDY UNITS	UNITS
Ellery,W.N	
Grenfell,M.C, <i>Ellery, W.N</i> and Grenfell,S.E. "Tributary valley impoundment by trunk river floodplain development: a case study from the KwaZulu-Natal Drakensberg foothills, eastern South Africa". Earth Surface Processes and Landforms. 2008. 33,2029-2044.	0.34
Ellery,WN	
Appleton,CC, <i>Ellery, WN</i> , Byskov,J and Mogkweetsinyana,SS. "Epidemic transmission of intestinal schistosomiasis in the seasonal part of the Okavango Delta, Botswana". Annals of Tropical Medicine and Parasitology. 2008. 102(7),611-623.	0.25
Fourie,S	
<i>Behenna,M, Vetter,S</i> and <i>Fourie,S</i> . "Viability of alien and native seed banks after slash and burn: effects of soil moisture, depth of burial and fuel load". South African Journal of Botany. 2008. 74,454-462.	0.34
<i>Fourie,S</i> . "Composition of the soil seed bank in alien-invaded grassy fynbos: potential for recovery after clearing". South African Journal of Botany. 2008. 74,445-453.	1.00
Gambiza,J	
<i>Gambiza,J</i> , Campbell,BM, Mapaure,I and Moe,SR. "Season of grazing and stocking rate interactively affect fuel loads in <i>Baikiaea plurijuga</i> harms woodland in northwestern Zimbabwe". African Journal of Ecology. 2008. 46,637- 645.	0.25
Kaschula,SA	
<i>Kaschula,SA</i> . "Wild foods and household food security responses to AIDS: evidence from South Africa". Population and Environment. 2008. 29, 162-185.	1.00
Knight,AT	
<i>Knight,AT</i> and Cowling,RM. "Clearing the mud from the conservation opportunity debate: reply to Pressey and Bottrill". Conservation Biology. 2008. 22(5),1346-1348.	0.50
Shackleton,CM	
Dovie,DB, Witkowski,ET and <i>Shackleton,CM</i> . "Knowledge of plant resource use based on location, gender and generation". Applied Geography. 2008. 28, 311-322.	0.34
<i>Cocks,ML, Bangay,L, Shackleton,CM</i> and Wiersum,KF. "Rich man poor man' – inter household and community factors influencing the use of wild plant resources amongst rural households in South Africa". International Journal of Sustainable Development and World Ecology. 2008. 15(3),198-211.	0.25
Shackleton,CM and Gambiza,J	
<i>Shackleton,CM</i> and <i>Gambiza,J</i> . "Social and ecological trade offs in combating land degradation: the case of invasion by a woody shrub (<i>Euryops floribundus</i>) at Macubeni, South Africa". Land Degradation & Development. 2008. 19,454-464.	1.00
Shackleton,CM and Paumgarten,F	
<i>Shackleton,CM, Paumgarten,F</i> and <i>Cocks,ML</i> . "Household attributes promote diversity of tree holdings in rural areas, South Africa". Agroforestry Systems. 2008. 72(3),221-230.	0.67
Shackleton,SE and Shackleton,CM	
<i>Shackleton,SE</i> , Campbell,BM, <i>Shackleton,CM</i> and Lotz-Sisitka, H. "Links between the local trade in natural products, livelihoods and poverty alleviation in a semi-arid region of South Africa". World Development. 2008. 36(3),505-526.	0.50
TOTAL	6.44

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Fabricius	Cundill	D	3.0
Gambiza	Davenport	M	0.33
Shackleton	Davenport	M	0.33
Shackleton	Martend	M	0.5
Shackleton	Powell	M	1.0
Shackleton	Kaschula	D	3.0
TOTAL			8.16

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Beyond timber: certification of non-timber forest products	Box 7 - Impact of timber certification on resource access in South Africa	Shackleton, SE
Exploring sustainability science: a Southern African perspective	Adaptive co-management under resource-poor conditions: lessons from So	Cundill G, Fabricius C

FINE ART

A particular highlight of the Fine Art Department's various outputs for 2008 is Maureen de Jager's one-person exhibition, *In Sepia*, which was part of the main programme of the National Arts Festival and travelled to Johannesburg towards the end of the year. Along with numerous group exhibitions by the Studio Practice staff, there were also very important one-person exhibitions by Christine Dixie, Mark Hipper and Brent Meistre.

Departmental outputs also include articles in accredited journals by Pamela Allara, Maureen de Jager, Ruth Simbao, postdoctoral fellow Kylie Thomas, Dominic Thorburn and one co-authored by Brenda Schmahmann and postgraduate John Walters. Ruth Simbao produced a chapter for a book and Brenda Schmahmann produced catalogue essays for shows by De Jager and Dixie.

Staff members often couple work on articles, essays and books with the production of exhibition or book reviews. While reviews are less frequently undertaken by postgraduates, a notable exception was one published by postgraduate Nomusa Makhubu. Not only staff but also postgraduate students have been very active in their conference participation, and there were no less than six departmental offerings at the annual conference of the South African Visual Arts Historians in Stellenbosch in September.

Last, but certainly not least, Ruth Simbao completed her PhD degree from Harvard University and graduated midway through the year.

PROFESSOR BRENDA SCHMAHMANN
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Simbao,R

Simbao,R. "A fish out of water: the inland migration of the Dona fish to the Luapula Plateau, Zambia". In: *Sacred waters: arts for Mami Wata and other water divinities in Africa and the diaspora*. Indiana University Press. Bloomington, United States of America. First Edition. 2008. 157-169. ISBN: 978-0253351562.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Allara,P

Allara,P. "Leora Farber's *A Room of Her Own*: feminist performance as class play". *De Arte*. 2008. 77,52-57.

de Jager,M

de Jager,M. "Tracing and erasure in Kathryn Smith's *Psychogeographies: the washing away of wrongs*". *De Arte*. 2008. 78,33-50.

Schmahmann,B and Walters,J

Schmahmann ,B and Walters,J. "Against the picturesque: Christine Dixie's *Bloodspoor* (1997)". *De Arte*. 2008. 77,36-51.

Simbao,R

Simbao,R. "*Afri thing is not what it seems*". *Art South Africa*. 2008. 7(1),58-63.

Thomas,K

Thomas,K. "Selling sorrow: testimony, representation and images of HIV-positive women". *Social Dynamics*. 2008. 34(2),216-226.

Thorburn,D

Thorburn,D. "Political/Poetical". *Art South Africa*. 2008. 06(03),34-36.

OTHER PUBLICATIONS

Makhubu,N

Makhubu,N. "Exhibition review: national arts festival". *Art South Africa*. In: Art South Africa. O'Toole, S (Ed) Bell-Roberts. South Africa. 2008. 7(1), 99. ISBN: 16846133.

Schmahmann,B

Schmahmann,B. "Book Review of *Women by women: 50 years of women's photography in South Africa*". *De Arte*. In: De Arte. Van Haute, B (Ed) University of South Africa. Pretoria. 2008. 77(1), 70-73. ISBN: ISSN 0004 3389.

Schmahmann,B. "Figuring maternity: Christine Dixie's *Parturient Prospects*". In: *Parturient Prospects: Christine Dixie*. Dixie, C (Ed) The Artist. Grahamstown. 2008. 1-29.

Schmahmann,B. "Relative recall: family and memory in Maureen de Jager's *In Sepia*". In: *In Sepia*: Maureen de Jager. De Jager, M (Ed) The Artist. Grahamstown. 2008. 1-33.

Simbao,R

Simbao,R. "Exhibition review: Berni Searle at the Michael Stevenson gallery". *Art South Africa*. In: ART SOUTH AFRICA. O'Toole, S (Ed) Bell-Roberts. South Africa. 2008. 7(2), 98. ISBN: 16846133.

Simbao,R. "Review: "Dungamzani/Stirring Waters: Tsonga and Shangaan art from southern Africa"". *De Arte*. ISBN: 0004-3389.

Simbao,R. "Book review: Fresh artist's residency program". In: NKA: JOURNAL OF CONTEMPORARY AFRICAN ART. Enwezor,O, Hassan,S and Okeke-Agulu, C (Eds) Africana Studies and Research Center, Cornell University. Ithaca, New York. 2007. (21), 122-123. ISBN: 1075-7163.

Simbao,R. "Escorting tradition: the contemporary performance of *afropolitanism* in Zambia's traditional ceremonies". PhD thesis: Harvard.

Simbao,R. "Exhibition review: Konse Kubili, Kalinosi Mutale and Anawana Haloba". In: NKA: JOURNAL OF CONTEMPORARY AFRICAN ART. Enwezor,O, Hassan,S and Okeke-Agulu, C (Eds) Africana Studies and Research Center, Cornell University. Ithaca, New York. 2007. (21), 124-125. ISBN: 1075-7163.

Thorburn,D

Thorburn,D. "Book Review - Red on black, the story of the South African poster movement". *De Arte*. In: DE ARTE. Van Haute, B (Ed) UNISA. Tshwane. 2008. 78. ISSN 0004 3389 (In Press).

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****De Jager,MS**

De Jager,MS. "*Sans Story*: The landscape (post-)narrative in Brent Meistre's *Sans: A stranger who came with a book in the crook of his arm*". "*Past the last post: the posts in (South) Africa*", 24th Annual Conference of the South African Visual Arts Historians. University of Stellenbosch, Stellenbosch. South Africa. September 2008.

Lowe,S

Lowe,S. "'New' memorials in the 'new' South Africa: how a post-colonial, post-apartheid nation chooses to remember". *South African Visual Arts Historians (SAVAH)*. University of Stellenbosch, Stellenbosch. South Africa. September 2008.

Makhubu,N

Makhubu,N. "A 'pre-black' perspective in 'post-black' performance and video art". *South African Visual Arts Historians (SAVAH)*. University of Stellenbosch, Stellenbosch. South Africa. September 2008.

Schmahmann,B and Walters,J

Schmahmann,B and Walters,J. "Against the colonialist picturesque: Christine Dixie's Bloodspoor". *"Past the last post: the posts in (South) Africa"*. 24th Annual Conference of the South African Visual Arts Historians. University of Stellenbosch, Stellenbosch. South Africa. September 2008.

Simbao,R

Simbao,R. "The aftermath of deterritorialisation: Victor Mutelekesha and contemporary Zambian art in the wake of diaspora". *South African Visual Arts Historians (SAVAH) conference*. University of Stellenbosch, Stellenbosch. South Africa. September 2008.

Stirling,S

Stirling,S. "Global trends in African hip hop: Robin Rhode and Kudzanai Chiurai". *South African Visual Arts Historians (SAVAH)*. University of Stellenbosch, Stellenbosch. South Africa. September 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

ii. International Conferences

Simbao,R

Simbao,R. "Creating africanities: contemporary zambian artists at an afriglobal interface". *Crossing cultures: conflict, migration, convergence*. 32nd Congress of the International Committee of the History of Art (CIHA). University of Melbourne, Melbourne. Australia. January 2008.

Simbao,R. "Entangling the spiritual and the spectacle: Iya performances at Mosi-oa-Tunya/Victoria Falls, Zambia". *The Association of Cultural Studies (ACS) international crossroads conference*. University of West Indies (Mona), Kingston. Jamaica. July 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS

De Jager,MS

De Jager,MS. Exhibiting artist. *In Sepia*. Alumni Gallery, Albany History Museum. Grahamstown, South Africa. 6 June - 17 October 2008.

De Jager,MS. Exhibiting artist. *In Sepia*. Gordart Gallery. Johannesburg, South Africa. 23 November - 13 December 2008.

Dixie,C.B.

Dixie,CB. Artist. *Parturient Prospects*. Art on Paper Gallery. Johannesburg, South Africa. 8 - 29 March 2008.

Hipper,M.B.

Hipper,MB. Exhibition of paintings. *"After a model"*. Exhibition. Obert Contemporary Gallery. Johannesburg, South Africa. 13 - 30 November 2008.

Meistre,BA

Meistre,BA. Exhibiting Artist. *Class*. The Photographer's Gallery. Cape Town, South Africa. 4 February - 5 March 2008.

Meistre,BA. Exhibiting Artist. *Cities in Crisis*. FADA Gallery, University of Johannesburg. Johannesburg, South Africa. 10 April - 9 May 2008.

Thorburn,D

Thorburn,D. Exhibitor. *Images of Mandela Bay: Inner City*. Nelson Mandela Metropolitan Art Museum. Port Elizabeth, South Africa. 30 November - 13 April 2007.

Thorburn,D. Exhibitor. *"Print'08"*. Myth, memory and the archive. Bell-Roberts Contemporary Art Gallery. Cape Town, RSA. 14 August - 19 September 2008.

DISTINGUISHED VISITORS

Allara,P

Professor P Allara. University of Brandeis, Boston, United States of America. Associate Professor teaching in the department for the first term. Jan - Mar 2008.

Carman,J

Dr J Carman. Independent art historian, formerly senior curator at the Johannesburg Art Gallery, Johannesburg, South Africa. Lectures. April 2008.

JOURNAL SUBSIDY UNITS	UNITS
Allara,P	
<i>Allara,P.</i> "Leora Farber's <i>A Room of Her Own</i> : feminist performance as class play". <i>De Arte</i> . 2008. 77,52-57.	1.00
de Jager,M	
<i>de Jager,M.</i> "Tracing and erasure in Kathryn Smith's <i>Psychogeographies: the washing away of wrongs</i> ". <i>De Arte</i> . 2008. 78,33-50.	1.00
Schmahmann ,B and Walters,J	
<i>Schmahmann ,B and Walters,J.</i> "Against the picturesque: Christine Dixie's <i>Bloodspoor</i> (1997)". <i>De Arte</i> . 2008. 77,36-51.	1.00
Simbao,R	
<i>Simbao,R.</i> "'Afri thing is not what it seems'". <i>Art South Africa</i> . 2008. 7(1),58-63.	1.00
Thomas,K	
<i>Thomas,K.</i> "Selling sorrow: testimony, representation and images of HIV-positive women". <i>Social Dynamics</i> . 2008. 34(2),216-226.	1.00
Thorburn,D	
<i>Thorburn,D.</i> "Political/Poetical". <i>Art South Africa</i> . 2008. 06(03),34-36.	1.00
TOTAL	6.00

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Schmahmann	Cook	M	1.0
Simbao	Makhuba	M	1.0
TOTAL			2.0

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Sacred waters: arts for Mami Wata and other water divinities in Africa	A fish out of water: the inland migration of the Dona fish to the Luap	Simbao, R

GEOGRAPHY

2008 has been a busy and productive year for staff in the Geography Department. We are particularly pleased that our international linkages have been extended and strengthened, resulting in collaborative research and an increased publication output. While our most senior colleague, Emeritus Professor Lewis, has been busy consolidating his research output, younger staff members and postgraduate students have also made an effective contribution.

For Prof. Roddy Fox 2008 was a year of continuing research into educational simulations and scenario building. The research was undertaken in Sweden (Högskolan Väst, University of Linköping), Finland (Turku School of Economics) and South Africa during summer schools and as components of degree curricula. He was accompanied in Finland by Professor Rowntree and Ms Linda Fraenkel, who has developed the water management component of the African Catchment Game as her Masters programme. Her research outcomes were presented in a paper at the conference "Higher Education as a Social Space" held at Rhodes University in December 2008. In August 2008 Professor Fox attended the Tunis IGU conference and co-presented a paper with Prof Per Assmo 'Teaching the Difficulties of African Development through Role Playing.' A new trend for Professor Fox was to develop a collaboration with colleagues Prof Elin Wihlborg and Dr David Lawrence of the University of Linköping. They are undertaking a comparative study of the impact of Open Access Research in South Africa and Sweden and will be presenting the results at two conferences in 2009.

This year Prof Kate Rowntree secured a three-year KISC grant from the NRF to work with Prof Ian Foster from Coventry University. They are investigating land degradation and sediment dynamics in the Karoo, using magnetic susceptibility and radionuclide analysis to date sediments that have accumulated in farm dams and match dam sediments to potential catchment sources. This work builds on that of Ian Foster and John Boardman (Oxford University) in the Compassberg area. Associated research has included monitoring soil erosion rates, an investigation of the development of discontinuous gulleys with postdoctoral fellow Dr Suzanne Grenfell and Mr Mike Grenfell, and collation and analysis of long-term rainfall records for Karoo farms. Papers on the Karoo research were presented at the SAAG conference in Pretoria (September 2008), the British Geomorphological Society in Exeter UK, (July 2008), and the IAHS conference in Christchurch, New Zealand, (December 2008).

Professor Rowntree's WRC project on Developing a Stakeholder Driven Catchment Management Plan is drawing to a close with the final report nearing completion. Through this project, the research team determined the ecological Reserve for the river and has worked closely with the Kat River Water User Association to negotiate water allocation principles aimed at achieving a more equitable distribution of water to all potential users in the catchment. As a result of this project the Kat River is likely to be one of the first South African rivers for which the Reserve, the water required for basic human needs and ecosystem function, will be implemented. Ms Sharon Birokholz, a Masters student working on this project, presented a paper to the International Conference on Exploring Transdisciplinary Discourses: Water, Society and the Environment, Africa. 20-24 April 2008, The Nest Hotel, Drakensberg, hosted by North-West University, Vaal-triangle Campus. Her paper was voted as second best student presentation.

Professor Rowntree is also collaborating with R3G, based in the Department of Environmental Science, on a rehabilitation project in the Kouga catchment, Eastern Cape, with funding from World Wildlife Fund and the Department of Water Affairs and Forestry through Working for Water. Two Masters students are undertaking MSc research on the impact of the invasive species *Acacia mearnsii* (Black Wattle) on geomorphological processes and soil properties, and the long-term effects of clearing on the potential for rehabilitation of the indigenous vegetation. We look forward to continued research collaboration with Environmental Science.

Ms Gillian McGregor has been active in the Eastern Cape through her research at Cape St Francis/ Oyster Bay and as chairperson of the Thicket Forum. The headland bypass dunefield between Oyster Bay and Cape St Francis is a unique wetland system with potential for RAMSAR status that is threatened by development, alien vegetation invasion and a nuclear power station development. The project has involved interaction with landowners of the St Francis Conservancy as interested and affected parties. It is a collaborative effort with Prof. Richard Cowling of NMMU and Prof Fred Ellery of the Department of Environmental Science. Two field visits with a group of interested experts in May and June have led to a commitment to undertake further research to establish the nature of this unique system. A Masters research student is currently mapping the system and establishing the nature of the geomorphological processes that drive it. A second research Masters student plans to undertake a historic landcover

change survey in 2009. An open day and educational guided walk in the dunefield organised by the St Francis Conservancy and supported by interested experts was held in November for interested parties from the community.

As Thicket Forum chairperson, Ms McGregor and secretary, Ms Bronwyn Palmer (MSc student in the Dept. of Geography), organised the annual Thicket Forum for 2008 which was held in August at the Thomas Baines Nature Reserve. It was attended by 70 delegates from a diverse range of backgrounds: government officials, scientists, consultants, reserve managers, farmers and students. The Forum continues to provide a platform for discussion of a range of topics related to the Thicket Biome on a relatively informal level, covering issues such as policy, research, conservation, traditional livelihoods and development. Keynote speakers included Prof. Graeme Kerley of NMMU and Prof James Blignaut, Resource Economist from the University of Pretoria. An extremely informative and stimulating discussion on biofuels in the Eastern Cape was led by a panel of experts who clarified many misconceptions about the nature of the biofuels industry in South Africa. The field exercise took the form of alien vegetation clearing in the reserve led by a team of Working for Water contractors.

Ms Leanne Du Preez spent three months in the UK on a British Council exchange grant, spending time in Liverpool, Oxford and Coventry. The main aim of the trip was networking with experts in her research field (geomorphology and land degradation, SA landscape history and the policy). She had the opportunity to interact with Prof. Ian Foster of Coventry, Prof. Janet Hooke of Liverpool, and Prof. John Boardman of Oxford. There is potential for future working relationships with all three of these people.

Back home, Ms Du Preez presented a paper at the SAAG conference in Pretoria in September entitled "Puppets or Puppeteers, Scientists or Seers? The Role of Fluvial Geomorphologists in SA river Management". The paper was well-received and has led to further discussion in the secondary education community. There is a chance that she will be invited to present a similar paper at an education conference in early 2009.

In 2008 Gijsbert Hoogendoorn was appointed as lecturer in the Department of Geography at Rhodes University on a two-year contract. During 2008 he was involved in the co-authoring of four book chapters in an edited collection by Prof Lochner Marais and Prof Gustav Visser called "Spatialities of Urban Change: Selected themes from Bloemfontein at the beginning of the 21st century". In addition to this he also published two articles in accredited journals. Furthermore, Mr Hoogendoorn presented papers at two international conferences, one at the 24th Annual New Zealand Geographical Society Conference at the Victoria University of Wellington, and the second at the ENHR Working Group – Homeownership and globalisation conference at the Delft University of Technology in the Netherlands. Moreover, he was a visiting research student at the Department of Tourism at the University of Otago in New Zealand where he presented a seminar on second home development.

Our Honours students all presented at the Geography Students Conference held at UCT in September. Mr Ryan O'Connor and Ms Fatema Morbi was both placed in the top three presentations. Mr Stuckenburg presented his Honours work at the annual Thicket Forum, held in August at Thomas Baines. Masters student Ms Palmer presented her work at the 5th International Conference on Geographic Information Systems in Turkey and Mr Adrian Pietersen and Mr Bennie van der Waal presented to the "Interfaces" Fynbos Forum August 2008

We are pleased to report that the department now has two visiting professors - Professor Ian Foster from Coventry University (reappointment) and Professor Per Assmo from Högskolan Väst, Sweden. Both scholars have contributed to our publication record and actively engaged in our teaching programme. Their experience complements our young staff members who have joined us recently.

PROFESSOR KATE ROWNTREE
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Foster,IDL

Foster,IDL, Boardman,J and Gates,JB. "Reconstructing historical sediment yields from the infilling of farm reservoirs, Eastern Cape, South Africa". In: Sediment Dynamics in Changing Environments. International

Association of Hydrological Sciences (IAHS). Wallingford, United Kingdom. First Edition. 2008. (325), 440-447. ISBN: 978-1-901592-84-8.

Fox,RC and Rowntree,KM

Fox,RC and Rowntree,KM. "The land question in South Africa, Zimbabwe and Kenya: a geographical perspective on resource endowment". In: *The Sustainability of Rural Systems in Developing Countries*. Université de Montréal. Montréal, Canada. First Edition. 2008. 43-58. ISBN: 978-2-921903-03-8. (In Press).

Lewis,CA

Lewis,CA. "Geomorphology of the Eastern Cape, South Africa". Lewis, CA (Ed). NISC. Grahamstown. Second Edition. 2008.

Lewis,CA. "Glaciations and glacial features". In: *Geomorphology of the Eastern Cape, South Africa*. NISC. Grahamstown. Second Edition. 2008. 127-148. ISBN: 9781920033064.

Lewis,CA. "Late pleistocene and early holocene foragers [in Southern Africa]". In: *Encyclopedia of Archaeology*, volume I. Academic Press. New York. First Edition. 2008. 88-93. ISBN: 0125480318.

Lewis,CA. "Periglacial features". In: *Geomorphology of the Eastern Cape, South Africa*. NISC. Grahamstown. Second Edition. 2008. 149-185. ISBN: 9781920033064.

Rowntree,KM

Rowntree,KM. "Contemporary channel processes". In: *Geomorphology of the Eastern Cape*. NISC. Grahamstown. First Edition. 2008. 43-62. ISBN: 9781920033064.

Dinar,A, Farolfi,S, *Rowntree,KM* and Patrone,F. "To negotiate or to game theorize: evaluating water allocation mechanisms in the Kat Basin". In: *Game Theory and Policy Making in Natural Resources and the Environment*. Routledge. London, New York. First Edition. 2008. 85-111. ISBN: 978-0-415-77422-2.

Rowntree,KM and Du Preez,L

Rowntree,KM and Du Preez,L. "Application of integrative river science in the management of South African rivers". In: *River Futures: an Integrative Scientific Approach to River Repair*. Island Press. Washinton - Covelo - London. First Edition. 2008. 237-254. ISBN: 978-1-59726-112-8.

Rowntree,KM, Foster,IDL and Du Preez,L

Rowntree,KM, Foster,IDL, Du Preez,L, Mighall,T and Boardman,J. "Post european settlement impacts on erosion and land degradation: a case study of farm reservoir sedimentation in the Eastern Cape, South Africa". In: *Sediment Dynamics in Changing Environments*. International Association of Hydrological Sciences (IAHS). Wallingford, United Kingdom. First Edition. 2008. (325), 139-142. ISBN: 978-1-901502-84-8.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Foster,IDL

Boardman,J and Foster,IDL. "Badland and gully erosion in the Karoo, South Africa". *Journal of Soil and Water Conservation*. 2008. 63(4),121-125.

Foster,IDL, Jaffe,BE, Morton,RA, Kortekaas,S, Dawson,AG, Smith,DE, Gelfenbaum,G, Long,D and Shi,S. "Reply to Bridge (2008) discussion of articles in 'Sedimentary Features of Tsunami Deposits'". *Sedimentary Geology*. 2008. 211,95-97.

Foster,IDL, Oldfield,F, Flower,RJ and Keatings,K. "Mineral magnetic signatures in a long core from Lake Qarun, Middle Egypt". *Journal of Paleolimnology*. 2008. 40(3),835-849.

Foster,IDL, Pittam,NJ and Mighall,TM. "An integrated lake-catchment approach for determining sediment source changes at Aqualate Mere, Central England". *Journal of Paleolimnology*. 2008. DOI 10.1007/s10933-008-9272-9

Fox,RC and Assmo,P

Fox,RC, Assmo,P and Kjellgren,H. "Role playing African development: an international comparison". *Journal of Independent Teaching and Learning*. 2008. 3,31-40.

Hoogendoorn,G

Hoogendoorn,G and Marais,L. "Perceptions of crime and the built environment: the case of the Bloemfontein central business district (CBD)". *Acta Structilia*. 2008. 15(2),75-80.

Hoogendoorn,G, Visser,G, Lenka,G, Marais,L, Van Rooyen,D and Venter,A. "Revitalizing the Bloemfontein CBD: prospects, obstacles and lost opportunities". *Urban Forum*. 2008. 19(2),159-174.

Lewis,CA

Lewis,CA. "Late quaternary climatic change, and associated human responses, during the last 45 000 years in the Eastern and adjoining Western Cape". *Earth Science Reviews*. 2008. 88,167-187.

Lewis,CA. "The late glacial and holocene avifauna of St Helena, South Atlantic Ocean". *Transactions of the Royal Society of South Africa*. 2008. 63,128-144.

Lewis,CA, Reimer,PJ and Reimer,PW. "Marine reservoir corrections, St Helena, South Atlantic Ocean". *Radiocarbon*. 2008. 50,275-280.

McGregor,GK

McConnachie,M, Shackleton,CM and McGregor,GK. "The extent of public green space and alien plant species in 10 small towns of the sub-tropical thicket biome, South Africa". *Urban Forestry and Urban Greening*. 2008. 7(1),1-13.

Rowntree,KM and Fox,RC

Rowntree,KM and Fox,RC. "Active learning for understanding land degradation: African Catchment Game and Riskmap". *Geographical Research*. 2008. 46(1),39-50.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****du Preez,L**

du Preez,L. "Puppets or puppeteers? Scientists or seers? The role of fluvial geomorphologists in South African river management". *South African Geomorphology in the 21st Century - Biennial Conference of the South African Association of Geomorphologists*. University of Pretoria, Pretoria. South Africa. September 2008.

Fraenkel,L, Fox,RC and Rowntree,KM

Fraenkel,L, Fox,RC, Rowntree,KM and Wilmot,D. "Learning about water through the African Catchment Game: the refinement of a role playing simulation". *Higher Education as a Social Space*. Rhodes University, Grahamstown. South Africa. December 2008.

Fraenkel,LA and Fox,RC

Fraenkel,LA, Fox,RC and Wilmot,D. "Learning about water through the African Catchment Game: the refinement of a role playing simulation". *HELTASA Conference*. Rhodes University, Grahamstown. South Africa. November 2008.

Pietersen,A

Pietersen,A. "River rehabilitation of *Acacia mearnsii* infested rivers in the Kouga region, Eastern Cape, South Africa". *"Interfaces" Fynbos Forum 2008*. Municipal Hall, Oudtshoorn. South Africa. August 2008.

Rowntree,KM and Foster,IDL

Rowntree,KM and Foster,IDL. "Connecting South African landscapes - applications of environmental magnetism and radionuclide analysis". *South African Geomorphology in the 21st Century - Biennial Conference of the South African Association of Geomorphologists*. University of Pretoria, Pretoria. South Africa. September 2008. 11.

van der Waal,BW

van der Waal,BW. "Influence of *Acacia mearnsii* invasion on soil properties in the Kouga Mountains". *"Interfaces" Fynbos Forum 2008*. Municipal Hall, Outshoorn. South Africa. August 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Foster,IDL, Rowntree,KM and Du Preez,L**

Foster,IDL, Boardman,J, Rowntree,KM, Mighall,T, Du Preez,L and Gates,J. "Landscape response to climate and environmental change, Eastern Cape, South Africa". *British Society for Geomorphology Annual Conference*. University of Exeter, Exeter. England. July 2008.

Foster,IDL, Rowntree,KM, Du Preez,L and Van der Waal,B

Foster,IDL, Rowntree,KM, Boardman,J, Mighall,T, Du Preez,L and Van der Waal,B. "Sediment source tracing using mineral magnetism and gamma-emitting radionuclide signatures in farm reservoirs in the South African Karoo". *British Society for Geomorphology Annual Conference*. University of Exeter, Exeter. England. July 2008.

Fox,RC and Assmo,P

Fox,RC and Assmo,P. "Teaching the difficulties of African development through role playing". *Building Together our Territories' 31st International Geographical Congress*. Le Kram Conference Centre, Tunis. Tunisia. August 2008.

Hoogendoorn,G

Hoogendoorn,G. "Changing countrysides, changing villages: second homes in Rhodes, South Africa". *24th Annual New Zealand Geographical Society Conference*. Victoria University of Wellington, Wellington. New Zealand. July 2008.

Hoogendoorn,G. "A changing village: second homeownership in Rhodes, South Africa". *ENHR Working Group - Homeownership and globalisation conference*. Delft University of Technology, Delft. The Netherlands. November 2008.

McGregor,GK

McGregor,GK and Knight,AT. "Conservation planning and inter-disciplinarity: improving map products". *5th International Conference on Geographic Information Systems*. Fatih University, Istanbul. Turkey. July 2008. 1.

Nel,E

Binns,J, Bek,D and Nel,E. "Ethical codes and global supply chains, the case of South Africa's 'Flower Valley'". *Africa Studies Association Conference*. Preston, Preston. United Kingdom. November 2008.

Nel,E and Binns,J. "Decentralizing economic development, a critical reflection on the experience of local economic development in South Africa". *New Zealand Geographical Society Conference*. Victoria University of Wellington, Wellington. New Zealand. July 2008.

Nel,E and Binns,J. "Responding to marginality, reflections on the experience of South Island, New Zealand". *International Geographical Congress Conference*. Le Kram Conference Centre, Tunis. Tunisia. August 2008.

Nel,E, Binns,T and Bek,D. "Fair trade and alternative food networks in the internationalization of small-scale rural entrepreneurs in South Africa". *The Eleventh McGill International Entrepreneurship Conference*. University of Otago, Dunedin. New Zealand. December 2008.

Nel,E and Taylor,B

Nel,E, Hill,T and Taylor,B. "Small town dynamics in South Africa". *International Geographical Congress Conference*. Le Kram Conference Centre, Tunis. Tunisia. August 2008.

Ngcofe,L and McGregor,GK

Ngcofe,L, McGregor,GK and Chevallier,L. "The use of tasselled cap analysis and household interviews towards assessment and monitoring of land degradation: a case study within the Wit-Kei catchment in the Eastern Cape, South Africa". *5th International Conference on Land Degradation*. Mediterranean Agronomic Institute, Valenzano. Italy. September 2008. 2. 203-206.

Palmer,B and McGregor,GK

Palmer,B and McGregor,GK. "Mapping landcover in the coastal zone of the Eastern Cape, South Africa". *5th International Conference on Geographic Information Systems*. Fatih University, Istanbul. Turkey. July 2008. 1.

Rowntree,KM and du Preez,L

Foster,I, Boardman,J, Rowntree,KM, Mighall,T, du Preez,L and Gates,J. "Landscape response to climate and environmental change, Eastern Cape, South Africa". *British Society of Geomorphologists*. University of Exeter, Exeter. United Kingdom. July 2008.

INTERNATIONAL VISIT**du Preez,L**

du Preez,L. Oxford University, Oxford, United Kingdom. Link with Professor John Boardman to discuss approaches to assessing land degradation. 24 April - 19 May 2008.

du Preez,L. Coventry University, Coventry, United Kingdom. Instruction in sediment tracing techniques. 21 June - 15 July 2008.

Fox,RC

Fox,RC. Höskolan Väst, Trollhättan, Sweden. Linnaeus-Palme exchange programme. 5 - 25 May 2008.

Fox,RC. Höskolan Väst, Trollhättan, Sweden. Guest professor, International Programme in Politics and Economics. 21 August - 13 September 2008.

Fox,RC. University of Linköping, Linköping, Sweden. Research collaboration: impact of open access research resources in South Africa and Sweden. 23 October - 1 November 2008.

Fox,RC, Rowntree,KM and Fraenkel,LA

Fox,RC, Rowntree,KM and Fraenkel,LA. Finland Futures Research Centre, Turku, Finland. Summer school 'Systems and Simulations'. 25 May - 8 June 2008.

Hoogendoorn,G

Hoogendoorn,G. Department of Tourism, University of Otago, Dunedin, New Zealand. Presented seminars on second homeownership in South Africa. 20 June - 4 August 2008.

DISTINGUISHED VISITORS**Assmo,P**

Professor P Assmo. Höskolan Väst, Trollhättan, Sweden. Guest professor for GOG102 course, research collaboration. Oct - Jan 2008.

Professor P Assmo. Höskolan Väst, Trollhättan, Sweden. Linnaeus-Palme exchange programme. Feb - Mar 2008.

JOURNAL SUBSIDY UNITS		UNITS
Foster,IDL		
<i>Foster,IDL</i> , Oldfield,F, Flower,RJ and Keatings,K. "Mineral magnetic signatures in a long core from Lake Qarun, Middle Egypt". Journal of Paleolimnology. 2008. 40(3),835-849.		0.25
<i>Foster,IDL</i> , Pittam,NJ and Mighall,TM. "An integrated lake-catchment approach for determining sediment source changes at Aqualate Mere, Central England". Journal of Paleolimnology. 2008. 0-0.		0.34
Boardman,J and <i>Foster,IDL</i> . "Badland and gully erosion in the Karoo, South Africa". Journal of Soil and Water Conservation. 2008. 63(4),121-125.		0.50
<i>Foster,IDL</i> , Jaffe,BE, Morton,RA, Kortekaas,S, Dawson,AG, Smith,DE, Gelfenbaum,G, Long,D and Shi,S. "Reply to Bridge (2008) discussion of articles in "sedimentary features of tsunami deposits"". Sedimentary Geology. 2008. 211,95-97.		0.11
Hoogendoorn,G		
<i>Hoogendoorn,G</i> and Marais,L. "Perceptions of crime and the built environment: the case of the Bloemfontein central business district (CBD)". Acta Structilia. 2008. 15(2),75-80.		0.50
<i>Hoogendoorn,G</i> , Visser,G, Lenka,G, Marais,L, Van Rooyen,D and Venter,A. "Revitalizing the Bloemfontein CBD: prospects, obstacles and lost opportunities". Urban Forum. 2008. 19(2),159-174.		0.17
Lewis,CA		
<i>Lewis,CA</i> , Reimer,PJ and Reimer,PW. "Marine reservoir corrections, St Helena, South Atlantic Ocean". Radiocarbon. 2008. 50,275-280.		0.34
<i>Lewis,CA</i> . "The late glacial and holocene avifauna of St Helena, South Atlantic Ocean". Transactions of the Royal Society of South Africa. 2008. 63,128-144.		1.00
Rowntree,KM and Fox,RC		
<i>Rowntree,KM</i> and <i>Fox,RC</i> . "Active learning for understanding land degradation: african catchment game and riskmap". Geographical Research. 2008. 46(1),39-50.		1.00
TOTAL		4.21

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
McGregor	Ngcofe	M	0.5
McGregor	Palmer	M	0.5
Nel	Keal	M	1.0
Rowntree	Birkholz	M	1.0
Rowntree	Naidoo	M	1.0
Rowntree	Pietersen	M	1.0
TOTAL			5.0

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
Sediment Dynamics in Changing Environments	Post-European settlement impacts on erosion and land degradation; a case study using farm reservoir sedimentation in the Eastern Cape, South Africa	Rowntree K, Foster IDL, Du Preez L (Mighall T, Boardman J)
Sediment Dynamics in Changing Environments	Reconstructing historical sediment yields from the infilling of farm reservoirs, Eastern Cape, South Africa	Foster IDL, (Boardman J, Gates JB)

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)

Game Theory and Policy Making in Natural Resources and the Environment	To negotiate or to game theorize: evaluating water allocation mechanisms	Rowntree KM, (Dinar A, Farolfi S, Patrone F)
Geomorphology of the Eastern Cape, South Africa	Contemporary channel processes	Rowntree KM, (Dollar ESJ)
Geomorphology of the Eastern Cape, South Africa	Glaciations and glacial features	Lewis, CA
Geomorphology of the Eastern Cape, South Africa	Periglacial features	Lewis, CA
River Futures: an Integrative Scientific Approach to River Repair	Application of integrative river science in the management of South Africa	Rowntree KM, Du Preez L

GEOLOGY

The peak in the mineral commodities “megaboom” occurred in 2008 (cut short by the ongoing global economic crisis), which meant that the mining and exploration industries were particularly zealous in recruiting undergraduate and postgraduate geologists for well-remunerated jobs in industry. One consequence was that our postgraduate research suffered in 2008, when most of our research postgraduates left the research community for “greener” pastures. Nonetheless, Geology faculty continued to develop new research programs through the NRF and international funding sources, whilst developing prospective research students, and the Department’s research output did not suffer in comparison with previous years. Eleven subsidy-earning refereed journal articles were produced, along with thirteen conference abstracts.

The Department’s research continued to be heavily invested in international collaborations, many of which are beginning to bear fruit in terms of research students and publications. The Xstrata Research Fellow, Dr Alexandre Cabral, continued to work closely with colleagues in Germany and Brazil on a broad range of projects from southern Africa and South America. Prof. Marsh continued his 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. Dr Emese Bordy’s participation as a principal investigator on a joint Hungarian-South African co-operation program continued to the end of 2008, and she continued to be involved in collaborative research between South Africa and Botswana. Dr Steve Prevec’s research facilitated by the Finnish Academy of Science was in the “writing-up” phase, and a new NRF-funded international collaborative project between South African and China was initiated at the end of 2008 to study mineralised rocks in China. Dr Hari Tsikos continued to collaborate with European-based colleagues investigating biogeochemical cycles in the near surface environment using novel isotope systems.

The EDS analytical system acquired through DAAD (German) funds in late 2007 by Geology Dept staff was installed early in 2008 in the Electron Microscopy Unit, and Dr Steffen Büttner was and is heavily involved in the development of this equipment as a viable analytical tool at Rhodes. The Electron Microprobe facility in Geology also became “reoperational” in 2008, courtesy of Dr Barbara Kuhn, and has provided the basis for several new research projects.

Geology at Rhodes is still in a transitional growth and development phase, having seen the replacement of most of the academic staff that were present before 2002. It is also strongly affected by the economic vagaries of the minerals industry. The progress that was made in 2008 looks encouraging as the foundation for new research opportunities and deliverables in future.

DR STEPHEN PREVEC
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Marsh,JS

Marsh,JS and Duncan,AR. "Doros gabbro complex". In: The Geology of Namibia. Geological Survey of Namibia. Windhoek, Namibia. First Edition. 2008. 3(18), 75-78. ISBN: 978-0-86916-733-7.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Bordy,EM

Bordy,EM. "Enigmatic trace fossils from the Lower Jurassic Clarens Formation, Southern Africa". *Palaeontologia Electronica*. 2008. 11(3), http://palaeo-electronica.org/2008_3/150/index.html

Bordy,EM. "Book Review: Trace fossils: concepts, problems, prospects, edited by William Miller III". *Palaaios*. 2008. 1-4.

Cabral,AR

Cabral,AR, Galbiatti,HF, Kwitko-Ribeiro,R and Lehmann,B. "Platinum enrichment at low temperatures and related microstructures, with examples of hongshiite (PtCu) and empirical 'Pt₂HgSe₃' from Itabira, Minas Gerais, Brazil". *Terra Nova*. 2008. 20,32-37.

Cabral,AR, Rocha Filho,OG and Jones,RD. "Mercury in itabirite-hosted soft hematite ore in the Quadrilátero Ferrífero of Minas Gerais". *Journal of Geochemical Exploration*. 2008. 96,69-76.

Cabral,AR, Suh,CE, Kwitko-Ribeiro,R and Rocha Filho,OG. "Brittle microstructures in gold nuggets: a descriptive study using backscattered electron imaging". *Ore Geology Reviews*. 2008. 33,212-220.

Cabral,AR, Tupinambá,M, Lehmann,B, Kwitko-Ribeiro,R and Vymazalová,A. "Arborescent palladiferous gold and empirical Au₂Pd and Au₃Pd in alluvium from southern Serra do Espinhaço, Brazil". *Neues Jahrbuch Fur Mineralogie-Abhandlungen*. 2008. 184(3),329-336.

Marsh,JS

Maes,SM, Ferre,EC, Tikoff,B, Brown,PE and Marsh,JS. "Rock magnetic stratigraphy of a mafic layered sill: a key to the Karoo volcanics plumbing system". *Journal of Volcanology and Geothermal Research*. 2008. 172,75-92.

McClintock,M, Marsh,JS and White,JDL. "Compositionally diverse magma types erupted close together in space and time within a Karoo flood basalt crater complex". *Bulletin of Volcanology*. 2008. 70,923-946.

Moore,A

Moore,A, Blenkinsop,T and Cotterill,F. "Controls on post-Gondwana alkaline volcanism in Southern Africa". *Earth and Planetary Science Letters*. 2008. 268,151-164.

Skinner,EMW

Skinner,EMW. "The emplacement of class 1 kimberlites". *Journal of Volcanology and Geothermal Research*. 2008. 174,40-48.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Bordy,EM**

Bordy,EM, Sztano,O, Nador,A, Nagy,A, Bumby,A and Rubidge,B. "Vertebrate (Therapsida?) burrows in the lower Katberg formation (Beaufort Group) in the southwestern main Karoo basin (South Africa) ". *15th Biennial Conference of the Palaeontological Society of Southern Africa*. Hotel, Matjiesfontein. South Africa. September 2008. 47-52.

Kuhn,BK

Kuhn,BK and van der Merwe,M. "Elemental diffusion from amalgam fillings into tooth structure". *Microscopy Society of Southern Africa 46th Annual Conference 2008*. University of Botswana, Gaborone. Botswana. July 2008. 16.

Prevec,R

Prevec,R, Gastaldo,RA, Neveling,J and Reid,SB. "A remarkable latest Permian autochthonous flora from Wapadsberg pass, southern Karoo basin of South Africa". *14th Biennial Congress of the Palaeontological Society of Southern Africa*. Eden Grove, Grahamstown. South Africa. April 2008. 43. 57-58.

Prevec,R and Bordy,EM

Prevec,R and Bordy,EM. "A preliminary assessment of the Glossopteris-dominated fossil plant assemblages of the Emakwezini formation (lower Beaufort, Karoo Supergroup, South Africa) and their palaeo-environmental setting". *15th Biennial Conference of the Palaeontological Society of Southern Africa*. Hotel, Matjiesfontein. South Africa. September 2008. 160-161.

Prevec,R and Prevec,SA

Gastaldo,RA, Kamo,S, Neveling,J, *Prevec,R*, *Prevec,SA* and Reid,SB. "An assessment of terrestrial ecosystem response to the End Permian Crisis, Karoo Basin, South Africa". *Geological Society of America Annual Meeting and Exposition*. George R. Brown Convention Center, Houston. United States of America. October 2008. 146775.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Bordy,EM**

Bumby,A, *Bordy,EM* and Pirk,C. "Early jurassic trace fossils of possible termite origin". *International Congress of Entomology*. ICCD, Durban. South Africa. July 2008. 1-2.

Bordy,EM and Prevec,R

Bordy,EM, *Prevec,R* and Grant,D. "Sedimentology, palaeobotany and coal geology of the upper Permian Emakwezini formation (Lebombo Basin, South Africa)". *American Association of Petroleum Geologists International Conference and Exhibition*. ICCT, Cape Town. South Africa. October 2008. 1-2.

Marsh,JS

Moulin,M, Jay,EA, Fluteau,F, *Marsh,JS*, Courtillot,V, Gerard,M and Quidelleur,X. "Magnetostatigraphy of the Naudes Nek eruptive sequence (Karoo Traps): new constraints on the eruptive sequence". *Fall meeting of the American Geophysical Union*. San Francisco, San Francisco. United States of America. December 2008.

Prevec,R

Gastaldo,RA, *Prevec,R* and Neveling,J. "Taphonomic constraints on the Permian-Triassic megafloral record in the Karoo Basin, South Africa". *8th International Organisation of Palaeobotany (IOP) Conference*. Main Building, University of Bonn, Bonn. Germany. September 2008. 2. 88-89.

Prevec,SA, Kuhn,BK and Büttner,SH

Prevec,SA, *Kuhn,BK* and *Büttner,SH*. "Tectosilicate oikocrysts in impact melt-hosted mafic xenoliths, contact sublayer of the Sudbury Igneous Complex, Canada". *Large Meteorite Impacts and Planetary Evolution IV*. Sunwa Lodge, Parys. South Africa. August 2008. 182-183.

Segwabe,T and Bordy,EM

Segwabe,T and *Bordy,EM*. "The economic potential and geological framework of the coal-bearing Karoo strata in the central Kalahari sub-basin, Botswana". *American Association of Petroleum Geologists International Conference and Exhibition*. ICCT, Cape Town. South Africa. October 2008. 1-2.

Tsikos,H and Moore,JM

Tsikos,H, Matthews,A, *Moore,JM* and Erel,Y. "Low Fe-isotope values in Palaeoproterozoic Hotazel iron-manganese formation herald the onset of bacterial manganese reduction and atmospheric oxygenation". *2008 Goldschmidt Conference*. University of British Columbia, Vancouver. Canada. July 2008. A. 959.

Tsikos,H, *Moore,JM* and Mark,DF. "Alkali metasomatism adjacent to BIF-hosted, massive hematite ores of the Transvaal supergroup, Northern Cape Province, South Africa: implications for iron-ore genesis". *Africa uncovered: mineral resources for the future - SEG-GSSA 2008 Conference*. Misty Hills, Johannesburg. South Africa. July 2008. 210-211.

INTERNATIONAL VISIT**Tsikos,H**

Tsikos,H. Oxford University, Oxford, United Kingdom. Laboratory Work with Dr Hugh Jenkyns. 1 - 9 December 2008.

DISTINGUISHED VISITORS

Courtillot,V

Dr V Courtillot. Institut de Physique du Globe de Paris, Paris, France. Research Collaboration. Feb 2008.

Ferré,E

Professor E Ferré. Southern Illinois University, Carbondale, United States of America. Lecture, research, field work, collaborative enquiries. Nov - Dec 2008.

Fluteau,F

Dr F Fluteau. Institut de Physique du Globe de Paris, Paris, France. Research Collaboration. Feb 2008.

Gerard,M

Dr M Gerard. Institut de Mineralogie et Physique des Milieux Condenses, Paris, France. Research Collaboration. Feb 2008.

JOURNAL SUBSIDY UNITS	UNITS
Bordy,EM	
<i>Bordy,EM</i> . "Enigmatic trace fossils from the Lower Jurassic Clarens Formation, Southern Africa". <i>Palaeontologia Electronica</i> . 2008. 11(3),16-16.	1.00
<i>Bordy,EM</i> . "Trace fossils: concepts, problems, prospects, edited by William Miller III". <i>Palaios</i> . 2008. 1-4.	1.00
Cabral,AR	
<i>Cabral,AR</i> , Rocha Filho,OG and Jones,RD. "Mercury in itabirite-hosted soft hematite ore in the Quadrilátero Ferrífero of Minas Gerais". <i>Journal of Geochemical Exploration</i> . 2008. 96,69-76.	0.34
<i>Cabral,AR</i> , Tupinambá,M, Lehmann,B, Kwitko-Ribeiro,R and Vymazalová,A. "Arborescent palladiferous gold and empirical Au ₂ Pd and Au ₃ Pd in alluvium from southern Serra do Espinhaço, Brazil". <i>Neues Jahrbuch Fur Mineralogie- Abhandlungen</i> . 2008. 184(3),329-336.	0.20
<i>Cabral,AR</i> , Suh,CE, Kwitko-Ribeiro,R and Rocha Filho,OG. "Brittle microstructures in gold nuggets: a descriptive study using backscattered electron imaging". <i>Ore Geology Reviews</i> . 2008. 33,212-220.	0.25
<i>Cabral,AR</i> , Galbiatti,HF, Kwitko-Ribeiro,R and Lehmann,B. "Platinum enrichment at low temperatures and related microstructures, with examples of hongshiite (PtCu) and empirical 'Pt ₂ HgSe ₃ ' from Itabira, Minas Gerais, Brazil". <i>Terra Nova</i> . 2008. 20,32-37.	0.25
Marsh,JS	
McClintock,M, <i>Marsh,JS</i> and White,JDL. "Compositionally diverse magma types erupted close together in space and time within a Karoo flood basalt crater complex". <i>Bulletin of Volcanology</i> . 2008. 70,923-946.	0.34
Maes,SM, Ferre,EC, Tikoff,B, Brown,PE and <i>Marsh,JS</i> . "Rock magnetic stratigraphy of a mafic layered sill: a key to the Karoo volcanics plumbing system". <i>Journal of Volcanology and Geothermal Research</i> . 2008. 172,75-92.	0.20
Moore,A	
<i>Moore,A</i> , Blenkinsop,T and Cotterill,F. "Controls on post-Gondwana alkaline volcanism in Southern Africa". <i>Earth and Planetary Science Letters</i> . 2008. 268,151-164.	0.34
Skinner,EMW	
<i>Skinner,EMW</i> . "The emplacement of class 1 kimberlites". <i>Journal of Volcanology and Geothermal Research</i> . 2008. 174,40-48.	1.00
TOTAL	4.92

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Bordy	Segwabe	M	1.0
Moore	Chimvinga	M	0.5
Moore	Dorbor	M	0.5
Moore	Hwata	M	0.5
Moore	Ilongo	M	0.5
Moore	Marova	M	0.5
Moore	Mwale	M	0.5
Moore	Rusere	M	0.5
TOTAL			4.5

HISTORY

Professor Gary Baines has had a particularly productive year. His book of essays on South Africa's border war, co-edited with Professor Peter Vale, was published by UNISA Press and launched at the Grahamstown Festival. Gary has continued his work in the field of memory studies, publishing articles or giving conference papers on a range of topics, including a comparison of the My Lai and Cassinga massacres, and an article on the commemoration of the 1976 Soweto uprising. He is also moving into the field of trauma studies, giving a paper on the subject at a conference in Australia.

Dr Alan Kirkaldy was the chief organiser of the biennial conference of the Historical Association of Southern Africa, held at Rhodes in July. He also gave a paper on homophobia at Rhodes at the conference. His chapter on the Venda landscape in the late 19th century was published in an edited collection of essays.

Carla Tsampiras continued work on her Ph.D thesis which is examining early reactions to HIV/AIDS in South Africa in the 1980s. One chapter was published as an article in the *South African Historical Journal*. Enocent Msindo gave a paper on Ndebele ethnicity at the CODESRIA conference in Kampala. Richard Marshall completed his MA thesis, with distinction, on the early history of Grahamstown.

PROFESSOR PAUL MAYLAM
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Baines,G

Baines,G. "Competing narratives of South Africa's liberation struggle: remembering and forgetting June 16, 1976". In: Footprints of the "Class of 76": Commemoration, Memory, Mapping and Heritage. Hector Pieterse Memorial & Museum. South Africa. First Edition. 2008. 106-128. ISBN: 978-0-620-41917-8.

Baines,G. "Introduction: challenging the boundaries, breaking the silences". In: Beyond the Border War: new perspectives on Southern Africa's late Cold War conflicts. Unisa Press. South Africa. First Edition. 2008. 1-21. ISBN: 978-1-86888-456-8.

Baines,G. "Popular music and negotiating whiteness in apartheid South Africa". In: Composing Apartheid: Music for and against Apartheid. Wits University Press. South Africa. First Edition. 2008. 99-113. ISBN: 978 186814 4563.

Baines,G. "Representing and remembering the Soweto uprising: constructing the narrative of South Africa's liberation struggle". In: History and memory: present reflections on the past to build our futures. Macau Ricci Institute Studies. Macau. First Edition. 2008. 5, 513-531. ISBN: 978-99937-758-9-8.

Baines,G. "Review: Imagining the city: memories and cultures in Cape Town". Unisa Press. South Africa. First Edition. 2008. 78. ISBN: 978-07969-2179-6.

Baines,G. "War: interdisciplinary investigations". Inter-Disciplinary Press. Oxford, United Kingdom. First Edition. 2008. 49, 45-47. ISBN: 978-1-904710-48-6.

Baines,G and Vale,P. "Beyond the Border War: new perspectives on Southern Africa's late Cold War conflicts". Baines,G and Vale, P (Eds). Unisa Press. South Africa. First Edition. 2008. 340 pp.

Kirkaldy,A

Kirkaldy,A. "Darkness visible: Berlin missionaries and the landscape of Vendaland c.1870-1900". In: Toxic belonging: identity and ecology in southern Africa. Cambridge Scholars Publishing. England. First Edition. 2008. 104-130. ISBN: 1-84718-514-2.

Wylie,D, Wright,L, Morison,T, Michell,L, Kirkaldy,A, Springer,M, Woodward,W, Gressier,C, Mulcock,J, Trigger,D, Farrington,K, Louw,P and Martin,J. *Toxic Belonging? Identity and ecology in southern Africa*. Cambridge Scholars Publishing. Cambridge. First Edition. 2008. 1-268. ISBN: 1-84717-514-2.

Maylam,PR

Maylam,PR. "Review: Crossing the borders of power: the memoirs of Colin Eglin". Jonathan Ball. Johannesburg & Cape Town. First Edition. 2008. 241-243. ISBN: 1-86842-253-4.

Wells,J

Wells,J. "Are we nation-building yet? The role of oral historians in documenting the transition out of apartheid". In: *Oral history in a wounded country*. UKZN Press. South Africa. First Edition. 2008. ISBN: 978-1-86914-147-9.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Baines,G

Baines,G. "Blame, shame or reaffirmation: white conscripts reassess the meaning of the "Border War" in post-apartheid South Africa". *Interculture*. 2008. 5(3), [http://dih.fsu.edu/interculture/volume 5 3](http://dih.fsu.edu/interculture/volume%205%203)

Tsampiras,C

Tsampiras,C. "Not so "gay" after all: constructing (homo)sexuality in AIDS research in the *South African Medical Journal*, 1980-1990". *South African Historical Journal*. 2008. 60(3),477-499.

OTHER PUBLICATIONS

Baines,G

Baines,G. "Partial sources colour the Cassinga story". In: *The Sunday Independent*. Baines, G (Ed) Sunday Independent. South Africa. 2008. 1-2.

Baines,G. "The national service generation". In: *Grocott's Mail*. Baines, G (Ed) Grocott's. Grahamstown. 2008. 1-2.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

i. Local Conferences

Baines,G

Baines,G. "Site of struggle? The Freedom Park fracas and the divisive legacy of South Africa's border war/liberation struggle". *Liberation in Southern Africa: New Perspectives*. Centre for African Studies, Cape Town. South Africa. September 2008.

Maylam,PR

Maylam,PR. "Writing about Rhodes: three fundamental questions for the biographer". *'The Art/Craft of Biography' Symposium*. Rhodes University, Grahamstown. South Africa. May 2008.

Tsampiras,C

Tsampiras,C. "Not so "gay" after all - AIDS and (homo)sexuality in the *South African Medical Journal*, 1980-1990". *Historical Association of South Africa, "History and Crisis"*. Rhodes University, Grahamstown. South Africa. June 2008. 1-20.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

ii. International Conferences

Baines,G

Baines,G. "Analogous atrocities? Comparing the My Lai and Cassinga massacres". *Revisiting the Massacre in History*. University of Newcastle, Newcastle. Australia. September 2008.

Baines,G. "Trauma in transition: representing psychological problems of South African war veterans". *Interrogating Trauma: Arts & Media Responses to Collective Suffering*. Murdoch University & Curtin University of Technology, Perth. Australia. December 2008.

Kirkaldy,A

Kirkaldy,A. "Out and proud, homosexuality and homophobia on Rhodes campus". *Historical Association of Southern Africa, "History and Crisis"*. Rhodes University, Grahamstown. South Africa. July 2008. 1-20.

Msindo,E

Msindo,E. "Social and political responses to colonialism in marginal areas: community, chieftaincy and ethnicity in Bulilima-Mangwe, Matabeleland, Zimbabwe, 1890s-1930s". *CODESRIA conference*. Codesria Centre, Kampala. Uganda. October 2008. 1-44.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS

Baines,G

Baines,G. Guest Lecturer. "Coming to terms with the Border War in post-apartheid South Africa". National Arts Festival Winter School Lecture. Grahamstown. Grahamstown, South Africa. July 2008.

Kirkaldy,A

Kirkaldy,A. Organiser. "Historical Association of South Africa". International conference. Rhodes University. Grahamstown, South Africa. 7 - 9 July 2008.

JOURNAL SUBSIDY UNITS	UNITS
Tsampiras,C	
<i>Tsampiras,C. "Not so "gay" after all: constructing (homo)sexuality in AIDS research in the South African Medical Journal, 1980-1990". South African Historical Journal. 2008. 60(3),477-499.</i>	1.00
TOTAL	1.00

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Maylam	Marshall	M	1.0
TOTAL			1.0

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
History and memory: present reflections on the past to build our future	Representing and remembering the Soweto uprising: constructing the narrative of South Africa's liberation struggle	Baines G

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Beyond the Border War: new perspectives on Southern Africa's late-cold war conflicts	Introduction: challenging the boundaries, breaking the silences	Baines, G
Composing Apartheid: Music for and against Apartheid	Popular music and negotiating whiteness in apartheid South Africa	Baines, G
Composing apartheid: music for and against apartheid	Packaging desires: album covers and the presentation of apartheid	Drewett, MD
Toxic belonging: identity and	Darkness visible: Berlin missionaries and the	*Kirkaldy, A

ecology in southern Africa	landscape of Vendaleland c 1870-19100	
Oral history in a wounded country	Are we nation-building yet? The role of oral historians in documenting the transition out of apartheid	Wells, J

HUMAN KINETICS AND ERGONOMICS

The Department of Human Kinetics and Ergonomics published in peer reviewed journals and books, further contributed to top international and national conferences. In total 21 peer reviewed contributions were published.

Three papers were written by students as first authors, demonstrating the quality of student projects and the competency acquired. The topics of the published papers were widely spread across the whole range of activities in the field of Human Kinetics and Ergonomics, reflecting research in manual materials handling, agricultural ergonomics, multiple task performance, visual performance, ergonomics design, ergonomics in quality management and the role of ergonomics for supporting sustainable development.

Besides the written papers the HKE department presented at conferences in South Africa and the USA, Brasil and Australia.

PROFESSOR MATTHIAS GOEBEL
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Christie,CJ

Christie,CJ, Meyer,F, James,G and Apud,E. "The contribution of ergonomics to the forestry industry in developing countries". In: *Ergonomics in Developing Religions: Needs and Applications*. Taylor and Francis. First Edition. 2008. (In Press).

Goebel,M, Ngcamu,N and Zschoernack,S

Goebel,M, Ngcamu,N and Zschoernack,S. "Quality improvement: methods and findings". In: *Human Factors in Organisational Design and Management - IX*. IEA Press. Santa Monica. First Edition. 2008. 0(6), 319-325. ISBN: 978-85-212-0457-2.

Scott,PA

Scott,PA. "The role of ergonomics in securing sustainability in developing countries". In: *Corporate sustainability as a challenge for comprehensive management*. Physica-Verlag, Springer. Heidelberg, Germany. First Edition. 2008. 171-181. ISBN: 978-3-7908-2045-4.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Bennett,AI, Desai,SD, Todd,AI and Freeland,H

Bennett,AI, Desai,SD, Todd,AI and Freeland,H. "The effects of load and gradient on hand force responses during dynamic pushing and pulling tasks". *Ergonomics SA*. 2008. 20(1),3-15.

Christie,CJ

Christie,CJ. "Relationship between energy intake and expenditure during harvesting tasks". *Occupational Ergonomics*. 2008. 8(1),1-10.

Christie,CJ and King,GA

Christie,CJ and King,GA. "Heart rate and perceived strain during batting in a warm and cool environment". *International Journal of Fitness*. 2008. 4(1),33-38.

Christie,CJ, Todd,AI and King,GA

Christie,CJ, Todd,AI and King,GA. "Selected physiological responses during batting in a simulated cricket work bout: a pilot study". *Journal of Science and Medicine in Sport*. 2008. 11(6),581-584.

Christie,CJ, Todd,AI, Hutchings,J and Elliott,AB

Christie,CJ, Langton,M, Todd,AI, Hutchings,J and Elliott,AB. "Energy requirements and perceived body discomfort of the various sub tasks of manual sugar cane harvesting: a pilot study". *Ergonomics SA*. 2008. 20(2),26-33.

Scott,PA

Scott,PA. "Global inequality, and the challenge for ergonomics to take a more dynamic role to redress the situation". *Applied Ergonomics*. 2008. 39(4),495-499.

Todd,AI

Todd,AI. "A preliminary investigation of spinal kinematics during sugar cane harvesting". *Ergonomics SA*. 2008. 20(2),15-25.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Davy,JP and Zschoernack,S**

Davy,JP and Zschoernack,S. "A physiological and perceptual comparison of single and combination tasks". *10th ESSA Conference*. International Conference Centre, Durban. South Africa. June 2007. 68-76.

Desai,SD and Todd,AI

Desai,SD and Todd,AI. "Biomechanical, physiological and psychophysical responses to level and graded trolley pushing". *10th ESSA Conference*. International Conference Centre, Durban. South Africa. June 2007. 192-200.

Mattison,MC

Mattison,MC. "The challenges of teaching anatomy for a kinesiology context". *Higher Education as a Social Space*. Rhodes University, Grahamstown. South Africa. November 2008.

Todd,AI

Todd,AI. "A preliminary investigation of spinal kinematics during sugar cane harvesting". *10th ESSA Conference*. International Conference Centre, Durban. South Africa. June 2007. 77-87.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Christie,CJ, Todd,AI and Brock,R**

Christie,CJ, Todd,AI and Brock,R. "A comparison of the physiological and perceptual responses to preferred and non-preferred shoulder canoe carriage". *2008 ASICS Conference of Science and Medicine in Sport*. Hamilton Island, Hamilton Island. Australia. October 2008. Supplement. 52.

Goebel,M

Goebel,M and Treugut,F. "Visual performance of dual task execution with simultaneous peripheral and central perception". *2nd International Conference on Applied Human Factors and Ergonomics*. Las Vegas, Nevada. United States of America. July 2008.

Kelly,JA and Christie,CJ

Kelly,JA and Christie,CJ. "The effect of progressive resistance training on the blood lipid profile". *2008 ASICS Conference of Science and Medicine in Sport*. Hamilton Island, Hamilton Island. Australia. October 2008. Supplement. 27.

Scott,PA

Scott,PA. "Practical ergonomics can, and must, play a more dynamic role in developing countries ". *First International Conference on Ergonomics: ergonomics is necessity, not choice*. Olympic Hotel, Tehran. Iran. May 2008.

Todd,AI and Joiner,A

Todd,AI and Joiner,A. "The effects of preferred and non-preferred canoe shoulder carriage on lower back spinal kinematics". 2008 ASICS Conference of Science and Medicine in Sport. Hamilton Island, Hamilton Island. Australia. October 2008. Supplement. 53.

Zschoernack,S and Goebel,M

Zschoernack,S and Goebel,M. "Ergonomics consideration for the design of production systems". 2nd International Conference on Applied Human Factors and Ergonomics. Las Vegas, Nevada. United States of America. July 2008.

JOURNAL SUBSIDY UNITS	UNITS
Bennett,AI, Desai,SD, Todd,AI and Freeland,H	
Bennett,AI, Desai,SD, Todd,AI and Freeland,H. "The effects of load and gradient on hand force responses during dynamic pushing and pulling tasks". Ergonomics SA. 2008. 20(1),3-15.	1.00
Christie,CJ, Todd,AI and King ,GA	
Christie,CJ, Todd,AI and King ,GA. "Selected physiological responses during batting in a simulated cricket work bout: a pilot study". Journal of Science and Medicine in Sport. 2008. 11(6),581-584.	1.00
Christie,CJ, Todd,AI, Hutchings,J and Elliott,AB	
Christie,CJ, Langton,M, Todd,AI, Hutchings,J and Elliott,AB. "Energy requirements and perceived body discomfort of the various sub tasks of manual sugar cane harvesting: a pilot study". Ergonomics SA. 2008. 20(2),26-33.	0.80
Scott,PA	
Scott,PA. "Global inequality, and the challenge for ergonomics to take a more dynamic role to redress the situation". Applied Ergonomics. 2008. 39(4), 495-499.	1.00
Todd,AI	
Todd,AI. "A preliminary investigation of spinal kinematics during sugar cane harvesting". Ergonomics SA. 2008. 20(2),15-25.	1.00
TOTAL	4.80

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Christie	Kelly	M	1.0
Gobel	Elliott	M	1.0
Gobel	Ngcamu	M	0.5
Todd	Bennett	M	1.0
Todd	Desai	M	1.0
Zschoernack	Ngcamu	M	0.5
TOTAL			5.0

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
10th ESSA Conference proceedings	Biomechanical, physiological and psychophysical responses to level and graded trolley pushing	Desai SD, Todd AI
2008 AHFE International Conference: 2nd International conference on applied human factors and ergonomics	Ergonomics consideration for the design of production systems	Zschoernack S, *Goebel M
2008 AHFE International Conference: 2nd International conference on applied human factors and ergonomics	Visual performance of dual task execution with simultaneous peripheral and central perception	Goebel M, Treugut F

10th ESSA Conference proceedings	A physiological and perceptual comparison of single and combination tasks	Davy JP, *Zschoernack S
10th ESSA Conference proceedings	A preliminary investigation of spinal kinematics during sugar cane harvesting	Todd AI
Human factors in organisational design and management IX	Quality concerns in the manufacturing sector and the link to ergonomics: a South African survey	Goebel M, Ncgamu N, Zschoernack S

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. Tony Booth spent two months of his sabbatical in Juneau, Alaska collaborating with NOAA scientists on an assessment of the sablefish resource. The sablefish fishery is valued at \$100 million annually. Preliminary results show that population abundance is driven by cyclical recruitment, which in turn, is decreasing steadily due to global warming.

Prof Horst Kaiser's fish health research programme is seen as vital for the growth of the aquaculture industry. He delivered a specialist Fish Health Management course for State Veterinarians. Dr Olaf Weyl's freshwater fish group undertook research for SANParks in its effort to understand and manage the fish fauna of the Greater Addo National Park. Warwick Sauer and post-doc Warren Potts launched their NRF funded Angola Artisanal Fisheries collaborative research project with Agostino Neto University and the Angolan Artisanal Fisheries Institute.

A multi-disciplinary research project for Marine and Coastal Management on the problem of abalone poaching was completed by Prof Peter Britz and PhD student, Serge Raemaekers. The DIFS continued to work closely with the aquaculture industry, with Dr Cliff Jones leading four industry/THRIP funded aquaculture projects on abalone and sole culture. Emeritus Professor Tom Hecht led research on the changes in the catch composition and socio-economics of the Port Alfred line fishery. Prof's Tony Booth and Warwick Sauer are played coordinating roles in the Agulhas Somali Current Large Marine Ecosystem Programme (ASLME) research and training components respectively.

As a result of the DIFS' close working relationships with stakeholders, and the relevance of the research undertaken, the post-graduate students employed in the various projects find ready employment.

PROFESSOR PETER BRITZ
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Kaiser,H

Kammerer,M and *Kaiser,H*. "Nishikigoi taikan, ein koi atlas, koi gesundheit, teichbau". Koi Verlag. Germany. First Edition. 2008. 3, 1-300. ISBN: 3-937309-01-2.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Bernatzeder,AK and Hecht,T

Bernatzeder,AK, Cowley,PD and *Hecht,T*. "Effect of short term exposure to the anaesthetic 2-phenoxyethanol on plasma osmolality of juvenile dusky kob, *Argyrosomus japonicus* (Sciaenidae)". *Journal of Applied Ichthyology*. 2008. 24(3),303-305.

Booth,AJ and Weyl,OLF

Booth,AJ and *Weyl,OLF*. "Retention of T-bar anchor and dart tags by a wild population of African sharptooth catfish, *Clarias gariepinus*". *Fisheries Research*. 2008. 92,333-339.

Childs,AR, Booth,AJ and Potts,WM

Childs,AR, *Booth,AJ*, Cowley,PD, Potts,WM, Naesje,TF, Thorstad,EB and Økland,F. "Home range of an estuarine-dependent fishery species *Pomadasys commersonnii* in a South African estuary". *Fisheries Management and Ecology*. 2008. 15,441-448.

Childs,AR, Cowley,PD, Naesje,TF, *Booth,AJ*, Potts,WM, Thorstad,EB and Økland,F. "Estuarine use by spotted grunter *Pomadasys commersonnii* in a South African estuary, as determined by acoustic telemetry". *African Journal of Marine Science*. 2008. 30,123-132.

Childs,AR, Cowley,PD, Naesje,TF, Booth,AJ, Potts,WM, Thorstad,EB and Økland,F. "Do environmental factors influence the movement of an estuarine fish? A case study using acoustic telemetry". *Estuarine Coastal and Shelf Science*. 2008. 78,227-236.

Childs,AR and Potts,WM

Naesje,TF, Childs,AR, Potts,W, Thorstad,EB and Okland,F. "Movements of undersized spotted grunter (*Pomadasys commersonnii*) in the Great Fish Estuary, South Africa: implications for fisheries management". *Hydrobiologia*. 2007. 582,25-34.

Collett,P, Vine,NG and Kaiser,H

Collett,P, Vine,NG and Kaiser,H. "The effect of light intensity on growth of juvenile dusky kob *Argyrosomus japonicus* (Temmick and Schlegel 1843)". *Aquaculture Research*. 2008. 39(5),526-531.

Collett,P, Vine,NG, Kaiser,H and Baxter,J. "Determination of the optimal water temperature for the culture of juvenile dusky kob *Argyrosomus japonicus* Temminck and Schlegel 1843". *Aquaculture Research*. 2008. 39,979-985.

James,N, Cowley,PD, Whitfield,AK and Kaiser,H. "Choice chamber experiments to test the attraction of postflexion *Rhabdosargus holubi* larvae to water of estuarine and riverine origin". *Estuarine Coastal and Shelf Science*. 2008. 77,143-149.

Dicken,ML and Booth,AJ

Dicken,ML, Booth,AJ and Smale,MJ. "Estimates of juvenile and adult raggedtooth shark (*Carcharias taurus*) abundance along the east coast of South Africa". *Canadian Journal of Fisheries and Aquatic Sciences*. 2008. 65,621-632.

Ellender,BR, Weyl,OLF and Shanyengange,MK

Ellender,BR, Weyl,OLF, Shanyengange,MK and Cowley,PD. "Juvenile population dynamics of *Oreochromis mossambicus* in an intermittently open estuary at the limit of its natural distribution". *African Zoology*. 2008. 43(2),277-283.

Gotz,A

Gotz,A, Cowley,PD and Winker,H. "Selected fishery and population parameters of eight shore-angling species in the Tsitsikamma National Park no-take marine reserve". *African Journal of Marine Science*. 2008. 30(3),519-532.

Gotz,A and Sauer,HH

Kerwath,SE, Gotz,A, Attwood,CG and Sauer,HH. "The effect of marine protected areas on an exploited population of sex-changing temperate reef fish: an individual-based model". *African Journal of Marine Science*. 2008. 30(2),337-350.

Gotz,A, Kerwath,SE and Sauer,WHH

Gotz,A, Kerwath,SE, Attwood,CG and Sauer,WHH. "Effects of fishing on population structure and life history of roman, *Chrysoblephus laticeps* (Sparidae)". *Marine Ecology-Progress Series*. 2008. 362,245-259.

Hecht,T

Kriwet ,J and Hecht,T. "A review of early gadiform evolution and diversification: first record of a rattail fish skull (Gadiformes, Macrouridae) from the Eocene of Antarctica, with otoliths preserved in situ". *Naturwissenschaften*. 2008. 95,899-907.

Hecht,T and Booth,AJ

Grandcourt,E, Hecht,T, Booth,AJ and Robinson,J. "Retrospective stock assessment of the Emperor red snapper, *Lutjanus sebae* on the Seychelles Bank between 1977 and 2006". *ICES Journal of Marine Science*. 2008. 65,889-898.

Huchzermeyer,KDA and Andrew,TG

Huchzermeyer,KDA, Mbeha,BC, Nengu,SM and Andrew,TG. "Epizootic ulcerative syndrome affecting fish in the Zambezi river system in southern Africa". *Veterinary Record*. 2008. 163,629-631.

James,N and Kaiser,H

James,N, Cowley,PD, Whitfield,AK and Kaiser,H. "Choice chamber experiments to test the attraction of postflexion *Rhabdosargus holubi* larvae to water of estuarine and riverine origin". *Estuarine Coastal and Shelf Science*. 2008. 77,143-149.

James,NC

James,NC, Whitfield,AK and Cowley,PD. "Long-term stability of the fish assemblages in a warm-temperate South African estuary". *Estuarine Coastal and Shelf Science*. 2008. 76,723-738.

Jones,CLW, Kaiser,H and Hecht,T

Jones,CLW, Kaiser,H and Hecht,T. "Intercohort cannibalism and post-partum behaviour of juvenile swordtail *Xiphophorus helleri* Heckel". *Aquaculture Research*. 2008. 39(2),111-117.

Kemp,JOG and Britz,PJ

Kemp,JOG and Britz,PJ. "The effect of temperature on the growth, survival and food consumption of the east coast rock lobster *Panulirus homarus rubellus*". *Aquaculture*. 2008. 280,227-231.

Potts,WM, Hecht,T and Andrew,T

Potts,W, Hecht,T and Andrew,T. "Does reservoir trophic status influence the feeding and growth of the sharptooth catfish, *Clarias gariepinus* (Teleostei: Clariidae)". *African Journal of Aquatic Science*. 2008. 33(2),149-156.

Potts,WM, Childs,AR and Sauer,WHH

Potts,WM, Childs,AR, Sauer,WHH and Duarte,A. "Using baseline biological and ecological information to design a traffic light precautionary management framework for the leerfish *Lichia amia* (Linnaeus 1758) in southern Angola". *African Journal of Marine Science*. 2008. 30(1),113-121.

Rutaisire,J and Booth,AJ

Rutaisire,J, Levavi-Sivan,B, Nyatia,E and Booth,AJ. "Juvenile intersexuality in the cyprinid fish *Labeo victorinus*". *Cybiu*. 2008. 32(2),232.

Thompson,ET

Thompson,ET. "On the mariculture potential of the white margined sole". *World Aquaculture*. 2008. 39(1),37-39.

Vermeulen,WA and Kaiser,H

Vermeulen,WA and Kaiser,H. "A note on the formation of red blood cells in rainbow trout vertebral bone marrow". *Journal of Applied Ichthyology*. 2008. 24,621-622.

Vine,NG and Kaiser,H

Ferreira,H, Vine,NG, Griffiths,C and Kaiser,H. "Effect of salinity on growth of juvenile silver kob, *Argyrosomus inodorus*". *African Journal of Aquatic Science*. 2008. 33(2),161-165.

Weyl,OLF

Weyl,OLF. "Rapid invasion of a subtropical lake fishery in central Mozambique by Nile tilapia, *Oreochromis niloticus* (Pisces: cichlidae)". *Aquatic Conservation-Marine and Freshwater Ecosystems*. 2008. 18,839-851.

Weyl,OLF and Booth,AJ

Weyl,OLF and Booth,AJ. "Validation of annulus formation in otoliths of a temperate population of adult African sharptooth catfish *Clarias gariepinus* using fluorochrome marking of wild fish". *Journal of Fish Biology*. 2008. 73,1033-1038.

Winker,H

Froese,R, Stern-Pirlot,A, Winker,H and Gascuel,D. "Size matters: how single-species management can contribute to ecosystem-based fisheries management". *Fisheries Research*. 2008. 92(2/3),231-241.

Yearsley,RD, Jones,CLW and Britz,PJ

Yearsley,RD, Jones,CLW and Britz,PJ. "Effect of settled sludge on dissolved ammonia concentration in tanks used to grow abalone (*Haliotis midae* L.) fed a formulated diet". *Aquaculture Research*. 2008. 40(2),166-171.

OTHER PUBLICATIONS

Weyl,OLF

Weyl,OLF. "Lessons learnt from 10-years of co-management in Lake Malombe, Malawi Africa and their applicability to Sri Lanka's perennial reservoirs". In: Participatory Approaches to Reservoir Fisheries management: issues challenges and policies. Wijeyaratne,MJS and Amarasinghe, US (Eds) Sri Lanka Association for Fisheries and Aquatic Resources. Colombo. 2008. 1-14. ISBN: 978-955-9044-61-1.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

i. Local Conferences

Bennett,RH, Sauer,WHH, Gotz,A and Palmer,RM

Bennett,RH, Sauer,WHH, Gotz,A, Cowley,PD and Palmer,RM. "Optimisation of a sampling protocol for long-term monitoring of inshore temperate reef fishes". *South African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008.

Bernatzeder,AK and Hecht,T

Bernatzeder,AK, Cowley,PD and Hecht,T. "Salinity induced physiological responses in dusky kob, (Pisces: sciaenidae)". *South African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008.

Booth,AJ

Nakin,MDV, McQuaid,CD and Booth,AJ. "Effects of marine reserves on growth of commonly exploited and rarely exploited limpets on the southeast coast of South Africa". *13th South African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. June 2008.

Booth,AJ, Weyl,OLF and Traas,GRL

Booth,AJ, Weyl,OLF and Traas,GRL. "Estimation of tag loss and abundance of sharptooth catfish in Glen Melville Dam". *Southern African Wildlife Management Association (SAWMA) Conference*. Mpekweni Beach Resort, Port Alfred. South Africa. September 2008. 43.

Chalmers,R, Gotz,A and Sauer,WHH

Chalmers,R, Gotz,A and Sauer,WHH. "Strategic planning for the Greater Addo MPA: understanding the key issues". *South African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008.

Childs, A-R, O'Connell, BA, Booth, AJ, Potts, WM,

Childs, A-R, Cowley, PD, Næsje, TF, O'Connell, BA, Booth, AJ, Potts, WM, Thorstad, EB and F. Økland. "Using acoustic telemetry to monitor estuarine movements and habitat use of spotted grunter *Pomadasys Commersonii*". *South African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008

Cowley,PD

Bennett,RH, Sauer,WHH, Gotz,A, Cowley,PD and Palmer,RM. "Optimisation of a sampling protocol for long-term monitoring of inshore temperate reef fishes". *South African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008.

Ellender,BR, Weyl,OLF, Cowley,PD and Shanyengange,MK. "Temporal and spatial distribution of *Oreochromis mossambicus* in the intermittently open East Kleinemonde estuary, South Africa". *South African Marine Science Symposium 2008: our changing seas*. University of Cape Town, Cape Town. South Africa. July 2008. 32-33.

Escobar-Porras,J, Sauer,WHH and Cowley,PD. "Are catsharks as homely as tabby cats? ". *13th Southern African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008.

Ellender,BR, Weyl,OLF and Shanyengange,MK

Ellender,BR, Weyl,OLF, Cowley,PD and Shanyengange,MK. "Temporal and spatial distribution of *Oreochromis mossambicus* in the intermittently open East Kleinemonde estuary, South Africa". *South African Marine Science Symposium 2008: our changing seas*. University of Cape Town, Cape Town. South Africa. July 2008. 32-33.

Ellender,BR, Weyl,OLF and Winker,H

Ellender,BR, Weyl,OLF and Winker,H. "Post-apartheid fishery dynamics and utilisation trends in South Africa's largest impoundment". *Fourth International Conference of the Pan African Fish and Fisheries Association: african fish and fisheries, diversity and utilization*. University of Addis Ababa, Addis Ababa. Ethiopia. September 2008.

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

Ellender,BR, Weyl,OLF, Winker,H and Booth,AJ. "Fisheries resource use and user dynamics in the Oviston Nature Reserve, Eastern Cape". *Southern African Wildlife Management Association (SAWMA) Conference*. Mpekweni Beach resort, Port Alfred. South Africa. September 2008. 45.

Escobar-Porras,J and Sauer,WHH

Escobar-Porras,J, Sauer,WHH and Cowley,PD. "Are catsharks as homely as tabby cats? ". *13th Southern African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008.

Green,AJ, Jones,CLW and Britz,PJ

Green,AJ, Jones,CLW and Britz,PJ. "The development of a high temperature maintenance diet for the South African abalone *Haliotis midae* ". *World Aquaculture 2008*. BEXCO, Busan. South Korea. May 2008. 1. 208.

Green,AJ, Jones,CLW and Britz,PJ. "An investigation into the protein and energy requirements of the South Africa abalone *Haliotis midae* cultured at optimal and elevated water temperatures". *South African Marine Science Symposium 2008: our changing seas*. University of Cape Town, Cape Town. South Africa. June 2008. 1. 42-43.

James,NC

Whitfield,AK, Adams,JB, Bate,GC, Bezuidenhout,K, Bornman,K, Cowley,PD, Froneman,PW, Gama,PT, James,NC, MaKenzie,B, Riddin,T, Snow,GC, Strydom,NA, Taljaard,SS, Terode,AI, Theron,AK, Turpie,JK, van Niekerk,L, Vorwerk,PD and Wooldridge,TH. "A multidisciplinary study of a small intermittently open South African estuary with particular emphasis on the influence of mouth state on the ecology of the system". *13th Southern African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. June 2008.

Jones,CLW, Yearsley,RD and Britz,PJ

Jones,CLW, Yearsley,RD and Britz,PJ. "Effect of settled sludge on dissolved ammonia concentration in raceways used to grow abalone *Haliotis midae* fed a formulated diet ". *World Aquaculture 2008*. BEXCO, Busan. South Korea. May 2008. 1. 297.

Kemp,JOG, Paulet,G and Britz,PJ

Kemp,JOG, Paulet,G and Britz,PJ. "Mariculture as a means to add value to the east coast rock lobster *Panulirus homarus rubellus* resource: a physiological approach to defining protocols for wild harvest, transport and grow-out". *South African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008.

Mthombeni,V and Weyl,OLF

Mthombeni,V, Weyl,OLF and Bills,IR. "The biology of *Austroglanis* catfishes from the Clamwilliam-Olifants River system, South Africa ". *South African Association of Botanists (SAAB) and South African Association for Systematic Biology (SASSB) Symposium*. Drakensville Mountain Resort, Drakensberg. South Africa. January 2008. 96.

Potts, WM, Sauer WHH, Childs

Potts, WM, Sauer WHH, Childs A-R, Duarte A. "Collecting and using baseline biological and ecological information to design a "traffic light stock status index" for the leerfish, *Lichia amia* (Linnaeus 1758) in southern Angola". *13th South African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008.

Traas,GRL, Booth,AJ and Weyl,OLF

Traas,GRL, Booth,AJ and Weyl,OLF. "Effects of alien piscivores on small indigenous ichthyofauna densities and relative abundance in seasonal rivers". *Fourth International Conference of the Pan African Fish and Fisheries Association: african fish and fisheries, diversity and utilization*. University of Addis Ababa, Addis Ababa. Ethiopia. September 2008.

Traas,GRL, Booth,AJ and Weyl,OLF. "Effects of alien piscivores on small indigenous ichthyofauna densities and relative abundance of seasonal rivers". *Southern African Wildlife Management Association (SAWMA) Conference*. Mpekweni Holiday Resort, Port Alfred. South Africa. September 2008. 44.

Vine,NG and Britz,PJ

Vine,NG, Mafuma,TS and Britz,PJ. "The development of an immunostimulant/probiotic diet for abalone (*Haliotis midae*) ". *South African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008.

Vine,NG, Mfuma,TS, Dames,JF and Britz,PJ. "The development of an immunostimulant/probiotic diet for abalone (*Haliotis midae*)". *13th South African Marine Science Symposium*. University of Cape Town, Cape Town. South Africa. July 2008.

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

Weyl,OLF, Ellender,BR, Stelzhammer,H, Winker,H and Booth,AJ. "Towards a decision making process for deciding between conservation, social or economic goals for freshwater fish resources in two South African Reserves: Oviston and the Addo Elephant National Park". *Southern African Wildlife Management Association (SAWMA) Conference*. Mpekweni Beach Resort, Port Alfred. Ethiopia. September 2008. 43.

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

Winker,H, Weyl,OLF, Booth,AJ and Ellender,BR. "Post-impoundment trends and ecology of alien common carp in Lake gariep". *Southern African Wildlife Management Association (SAWMA) Conference*. Mpekweni Holiday Resort, Port Alfred. South Africa. September 2008. 44.

Woolley,LD, Jones,CLW and Britz,PJ

Woolley,LD, Jones,CLW and Britz,PJ. "A practical diet for the South African marine finfish industry: towards better water quality and feed conversion". *South African Marine Science Symposium 2008: our changing seas*. University of CapeTown, Cape Town. South Africa. June 2008. 1. 116.

Yearsley,RD, Jones,CLW and Britz,PJ

Yearsley,RD, Jones,CLW and Britz,PJ. "What effect does settled sludge have on dissolved ammonia concentrations in raceways used to grow abalone *Haliotis midae* fed a formulated diet? ". *South African Marine Science Symposium 2008: our changing seas*. University of Cape Town, Cape Town. South Africa. June 2008. 1. 116-117.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

ii. International Conferences

Britz,PJ and Raemaekers,S

Britz,PJ and Raemaekers,S. "Profile of the illegal abalone fishery in South Africa: is a sustainable, legal fishery achievable? ". *International Institute for Fisheries Economics and Trade Symposium*. Nha Trang University, Nha Trang. Vietnam. July 2008.

Chalmers,R, Gotz,A and Sauer,WHH

Chalmers,R, Gotz,A and Sauer,WHH. "Development of a spatially based conservation and management plan for the Addo Elephant National Park marine protected area". *Southern African Wildlife Management Association Symposium*. Mpekweni, East London. South Africa. September 2008.

Gotz,A

Bernard,KS, Froneman,PW and Gotz,A. "Implications of the potential removal of keystone sub-Antarctic species due to ocean acidification". *Effect of global climate change on the world oceans*. Congress Centre, Gijon. Spain. May 2008.

Gotz,A, Chalmers,R, Sauer,WHH, Bennett,RH and Kerwath,SE

Gotz,A, Chalmers,R, Sauer,WHH, Bennett,RH, Kerwath,SE and Cowley,PD. "Marine protected areas as a tool for long-term monitoring of marine biota: separating climate from anthropogenic influence". *ICES International Symposium: Effects of Climate Change on the World Oceans*. Gijon, Gijon. Spain. May 2008.

Jones,CLW, Woolley,LD and Britz,PJ

Jones,CLW, Woolley,LD and Britz,PJ. "The development of a marine finfish feed for Africa". *World Aquaculture 2008*. BEXCO, Busan. South Korea. May 2008. 1. 298.

Kahwa,D, Kaiser,H and Rutaisire,J

Kahwa,D, Kaiser,H and Rutaisire,J. "Gametogenesis and influencing factors in relation to reproduction and induced spawning in Nile Perch (*Lates niloticus*) (Linnaeus, 1758)". *Fourth International Conference of the Pan African Fish and Fisheries Association: african fish and fisheries, diversity and utilization*. Addis Ababa. Ethiopia. September 2008.

Naigaga,I and Kaiser,H

Naigaga,I, Kaiser,H, Muller,N and Ojok,L. "Fish histopathology biomarkers of aquatic environmental quality in wetlands receiving urban runoff in Uganda". *Conference of the Pan African Fish and Fisheries Association: African Fish and Fisheries, Diversity and Utilization*. Addis Ababa. Ethiopia. September 2008.

Raemaekers,S and Britz,PJ

Raemaekers,S, Britz,PJ and Calvo-Ugrateburu,G. "Small-scale fisheries in South Africa: the uneven road from recognition to governance". *International Institute for Fisheries Economics and Trade Symposium*. Nha Trang University, Nha Trang. Vietnam. July 2008.

Sauer,WHH

Sauer,WHH. "An appraisal of fisheries science and management after 14 years of democracy in South Africa ". *Fourteenth Biennial Conference of the International Institute of Fisheries, Economics and Trade*. Nha Trang University, Nha Trang. Vietnam. July 2008.

Vine,NG, Collett,P and Kaiser,H

Vine,NG, Collett,P and Kaiser,H. "Recirculating aquaculture systems and their role in research: the case of the dusky kob, *Argyrosomus japonicus*". *The Seventh International Conference on Recirculating Aquaculture*. Roanoke, Virginia. United States of America. July 2008.

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

Weyl,OLF, Winker,H, Ellender,BR, Steltzhammer,H and Booth,AJ. "A decision-making tool for optimising social and economic potential from inland fisheries: a South African case study". *Fourth International Conference of the Pan African Fish and Fisheries Association: African Fish and Fisheries, Diversity and Utilization*. University of Addis Ababa, Addis Ababa. Ethiopia. September 2008.

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

Winker,H, Weyl,OLF, Booth,AJ and Ellender,BR. "The role of carp in South Africa's largest impoundment". *Fourth International Conference of the Pan African Fish and Fisheries Association: African Fish and Fisheries, Diversity and Utilization*. University of Addis Ababa, Addis Ababa. South Africa. January 2008.

INTERNATIONAL VISIT**Booth,AJ**

Booth,AJ. National Marine Fisheries Service, Juneau, United States of America. Research was conducted on the development of an alternative population dynamics model for the Alaskan sablefish resource. 1 July - 15 August 2008.

JOURNAL SUBSIDY UNITS	UNITS
Bernatzeder,AK and Hecht,T	
Bernatzeder,AK, Cowley,PD and Hecht,T. "Effect of short term exposure to the anaesthetic 2-phenoxyethanol on plasma osmolality of juvenile dusky kob, <i>Argyrosomus japonicus</i> (Sciaenidae)". Journal of Applied Ichthyology. 2008. 24(3),303-305.	0.67
Booth,AJ and Weyl,OLF	
Booth,AJ and Weyl,OLF. "Retention of T-bar anchor and dart tags by a wild population of African sharp-tooth catfish, <i>Clarias gariepinus</i> ". Fisheries Research. 2008. 92,333-339.	1.00
Childs,AR and Booth,AJ	
Childs,AR, Cowley,PD, Naesje,TF, Booth,AJ, Potts,WM, Thorstad, EB and Økland,F. "Estuarine use by spotted grunter <i>Pomadasys commersonnii</i> in a South African estuary, as determined by acoustic telemetry". African Journal of Marine Science. 2008. 30,123-132.	0.29
Childs,AR, Cowley,PD, Naesje,TF, Booth,AJ, Potts,W, Thorstad, EB and Økland,F. "Do environmental factors influence the movement of an estuarine fish? A case study using acoustic telemetry". Estuarine Coastal and Shelf Science. 2008. 78,227-236.	0.29
Childs,AR, Booth,AJ, Cowley,PD, Potts,WM, Naesje,TF, Thorstad, EB and Økland,F. "Home range of an estuarine-dependent fishery species <i>Pomadasys commersonnii</i> in a South African estuary". Fisheries Management and Ecology. 2008. 15,441-448.	0.29
Childs,AR and Potts,W	
Naesje,TF, Childs,AR, Potts,W, Thorstad,EB and Økland,F. "Movements of undersized spotted grunter (<i>Pomadasys commersonnii</i>) in the Great Fish Estuary, South Africa: implications for fisheries management". Hydrobiologia. 2007. 582,25-34.	0.40
Collett,P, Vine,NG and Kaiser,H	
Collett,P, Vine,NG, Kaiser,H and Baxter,J. "Determination of the optimal water temperature for the culture of juvenile dusky kob <i>Argyrosomus japonicus</i> Temminck and Schlegel 1843 ". Aquaculture Research. 2008. 39,979-985.	0.75
Collett,P, Vine,NG and Kaiser,H. "The effect of light intensity on growth of juvenile dusky kob <i>Argyrosomus japonicus</i> (Temminck and Schlegel 1843)". Aquaculture Research. 2008. 39(5),526-531.	1.00
Cowley,PD	
Ellender,BR, Weyl,OLF, Shanyengange,MK and Cowley, PD. "Juvenile population dynamics of <i>Oreochromis mossambicus</i> in an intermittently open estuary at the limit of its natural distribution". African Zoology. 2008. 43(2),277-283.	0.25
James,N, Cowley,PD, Whitfield,AK and Kaiser,H. "Choice chamber experiments to test the attraction of postflexion <i>Rhabdosargus holubi</i> larvae to water of estuarine and riverine origin". Estuarine Coastal and Shelf Science. 2008. 77,143-149.	0.25
Bernatzeder,AK, Cowley,PD and Hecht,T. "Effect of short term exposure to the anaesthetic 2-phenoxyethanol on plasma osmolality of juvenile dusky kob, <i>Argyrosomus japonicus</i> (Sciaenidae)". Journal of Applied Ichthyology. 2008. 24(3),303-305.	0.34
Dicken,ML and Booth,AJ	
Dicken,ML, Booth,AJ and Smale,MJ. "Estimates of juvenile and adult raggedtooth shark (<i>Carcharias taurus</i>) abundance along the east coast of South Africa". Canadian Journal of Fisheries and Aquatic Sciences. 2008. 65,621-632.	0.67
Ellender,BR, Weyl,OLF and Shanyengange,MK	
Ellender,BR, Weyl,OLF, Shanyengange,MK and Cowley, PD. "Juvenile population dynamics of <i>Oreochromis mossambicus</i> in an intermittently open estuary at the limit of its natural distribution". African Zoology. 2008. 43(2),277-283.	0.75
Gotz,A	
Gotz,A, Cowley,PD and Winker,H. "Selected fishery and population parameters of eight shore-angling species in the Tsitsikamma National Park no-take marine reserve". African Journal of Marine Science. 2008. 30(3),519-532.	0.34
Gotz,A and Sauer,HH	
Kerwath,SE, Gotz,A, Attwood,CG and Sauer,HH. "The effect of marine protected areas on an exploited population of sex-changing temperate reef fish: an individual-based model". African Journal	0.50

of Marine Science. 2008. 30(2),337-350.	
Gotz,A, Kerwath,SE and Sauer,WHH	
Gotz,A, Kerwath,SE, Attwood,CG and Sauer,WHH. "Effects of fishing on population structure and life history of roman, <i>Chrysoblephus laticeps</i> (Sparidae) ". Marine Ecology-Progress Series. 2008. 362,245-259.	0.75
Hecht,T	
Kriwet ,J and Hecht,T. "A review of early gadiform evolution and diversification: first record of a rattail fish skull (Gadiformes, Macrouridae) from the Eocene of Antarctica, with otoliths preserved in situ". Naturwissenschaften. 2008. 95,899-907.	0.50
Hecht,T and Booth,AJ	
Grandcourt,E, Hecht,T, Booth,AJ and Robinson,J. "Retrospective stock assessment of the Emperor red snapper, <i>Lutjanus sebae</i> on the Seychelles Bank between 1977 and 2006". ICES Journal of Marine Science. 2008. 65,889-898.	0.50
Huchzermeyer,KDA and Andrew,TG	
Huchzermeyer,KDA, Mbeha,BC, Nengu,SM and Andrew,TG. "Epizootic ulcerative syndrome affecting fish in the Zambezi river system in southern Africa". Veterinary Record. 2008. 163,629-631.	0.50
James,N and Kaiser,H	
James,N, Cowley,PD, Whitfield,AK and Kaiser,H. "Choice chamber experiments to test the attraction of postflexion <i>Rhabdosargus holubi</i> larvae to water of estuarine and riverine origin". Estuarine Coastal and Shelf Science. 2008. 77,143-149.	0.50
James,NC	
James,NC, Whitfield,AK and Cowley,PD. "Long-term stability of the fish assemblages in a warm-temperate South African estuary". Estuarine Coastal and Shelf Science. 2008. 76,723-738.	0.34
Jones,CLW, Kaiser,H and Hecht,T	
Jones,CLW, Kaiser,H and Hecht,T. "Intercohort cannibalism and post-partum behaviour of juvenile swordtail <i>Xiphophorus helleri</i> Heckel". Aquaculture Research. 2008. 39(2),111-117.	1.00
Kemp,JOG and Britz,PJ	
Kemp,JOG and Britz,PJ. "The effect of temperature on the growth, survival and food consumption of the east coast rock lobster <i>Panulirus homarus rubellus</i> ". Aquaculture. 2008. 280,227-231.	1.00
Potts,W, Hecht,T and Andrew,T	
Potts,W, Hecht,T and Andrew,T. "Does reservoir trophic status influence the feeding and growth of the sharptooth catfish, <i>Clarias gariepinus</i> (Teleostei: Clariidae)". African Journal of Aquatic Science. 2008. 33(2),149-156.	1.00
Potts,WM, Childs,AR and Sauer,WHH	
Potts,WM, Childs,AR, Sauer,WHH and Duarte,A. "Using baseline biological and ecological information to design a traffic light precautionary management framework for the leerfish <i>Lichia amia</i> (Linnaeus 1758) in southern Angola". African Journal of Marine Science. 2008. 30(1),113- 121.	0.75
Rutaisire,J and Booth,AJ	
Rutaisire,J, Levavi-Sivan,B, Nyatia,E and Booth,AJ. "Juvenile intersexuality in the cyprinid fish <i>Labeo victorinus</i> ". Cybium. 2008. 32(2),232-232.	0.50
Vermeulen,WA and Kaiser,H	
Vermeulen,WA and Kaiser,H. "A note on the formation of red blood cells in rainbow trout vertebral bone marrow". Journal of Applied Ichthyology. 2008. 24,621-622.	1.00
Vine,NG and Kaiser,H	
Ferreira,H, Vine,NG, Griffiths,C and Kaiser,H. "Effect of salinity on growth of juvenile silver kob, <i>Argyrosomus inodorus</i> ". African Journal of Aquatic Science. 2008. 33(2),161-165.	0.50
Weyl,OLF	
Weyl,OLF. "Rapid invasion of a subtropical lake fishery in central Mozambique by Nile tilapia, <i>Oreochromis niloticus</i> (Pisces: Cichlidae)". Aquatic Conservation-Marine and Freshwater Ecosystems. 2008. 18,839-851.	1.00
Weyl,OLF and Booth,AJ	
Weyl,OLF and Booth,AJ. "Validation of annulus formation in otoliths of a temperate population of adult African sharptooth catfish <i>Clarias gariepinus</i> using fluorochrome marking of wild fish". Journal of Fish Biology. 2008. 73,1033-1038.	1.00
Winker,H	

Froese,R, Stern-Pirlot,A, <i>Winker,H</i> and Gascuel,D. "Size matters: how single-species management can contribute to ecosystem-based fisheries management". Fisheries Research. 2008. 92(2/3),231-241.	0.25
Yearsley,RD, Jones,CLW and Britz,PJ	
<i>Yearsley,RD, Jones,CLW and Britz,PJ</i> . "Effect of settled sludge on dissolved ammonia concentration in tanks used to grow abalone (<i>Haliotis midae</i> L.) fed a formulated diet". Aquaculture Research. 2008. 40(2),166-171.	1.00
TOTAL	19.88

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Booth	Traas	M	0.5
Britz	Green	M	0.5
Britz	Kemp	M	0.5
Britz	Woolley	M	0.5
Caillet	Andrews	D	1.5
Cowley	Bernatzeder	M	0.5
Cowley	Andrews	D	1.5
Cowley	Watt-Pringle	M	1.0
Hecht	Bernatzeder	M	0.5
Hecht	Kandjou	M	0.5
Jones	Green	M	0.5
Jones	Woolley	M	0.5
Kaiser	Kanjou	M	0.5
Strydom	Montoya-Maya	M	1
Weyl	Ellender	M	1.0
Weyl	Traas	M	0.5
TOTAL			11.5

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
Participatory approaches to reservoir fisheries management: issues, challenges & policies	Lessons learnt from 10-years of co-management in Lake Malombe, Malawi, Africa and their applicability to Sri Lanka's perennial reservoirs	Weyl OLF

INFORMATION SYSTEMS

A total of 34 post-graduate honours (27), masters (4) and doctoral (3) students engaged in a variety of research projects during the year. Areas of research included: advanced learning technologies, data warehousing, global software development, requirements management, veterinary informatics, mobile useability, social networking sites, ICT studies enrolment patterns, women in ICT, SOA, Software Testing, ICT for sustainable development, alignment of business and IT strategy, ICT Service management, ICT sustainability reporting.

Members of staff and post-graduate students participated in a number of local and international conferences notably: SACLA (Southern African Computer Lecturers' Association), SAICSIT (South African Institute of Computer Scientists and Information Technologists), SATNAC (Southern African Telecommunication Network and Applications Conference), International Business Conference, Annual Conference on World Wide Web Applications, itSMF-SA (Information Technology Service Management Forum), Gartner, e/merge, ECIME (European Conference on Information Management and Evaluation) in the UK, IADIS (International Association for the Development of the Information Society) in the Netherlands, ConfIRM (International Conference on Information Resources Management) in Canada, and ICIS (International Conference on Information Systems) in France.

Ms Brenda Mallinson and Mr Norman Nyawo were rewarded for their research efforts at IADIS by being awarded the Best Paper Award in the 'Position Paper' category. Mr Amon Magadza and Prof Greg Foster were awarded the Best Poster Presentation at SAICSIT-Post-Graduate Symposium. Mr Kevin Rafferty, Dr Kevin Whittington-Jones and Prof David Sewry were nominated for the Best Paper Award at the International Business Conference.

A number of journal articles were written by staff and published in international journals. Prof David Sewry and Mr Mathew Charlesworth published a chapter entitled "Ethical Theories and Computer Ethics" in the Handbook of Research on Technoethics. Ms Brenda Mallinson, Ms Lindsay Vos, Ms Caroline Pade and Prof David Sewry also published two chapters (entitled "A Theoretical Investigation of the Synergy Between Enterprise E-Learning and Knowledge Management" and "An Exploration of the Critical Success Factors for the Sustainability of Rural ICT Projects – The Dwesa Case Study") in the prestigious Springer publication of Information Systems Development - Challenges in Practice, Theory, and Education.

Standard Bank, through their long-standing membership of the Department's industry Advisory Board, funded access to the prestigious Gartner Reports. The Reports are a valuable source of information for research at all levels.

Ms Brenda Mallinson was appointed as a Research Associate. This appointment bolsters considerably the Department's research capacity especially in the area of eLearning. Prof Malcolm Sainsbury, Visiting Professor, spent valuable time in the Department working and collaborating with staff and students in the area of Information Systems Management.

PROFESSOR DAVE SEWRY
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Sewry,D

Charlesworth,M and *Sewry,D*. "Ethical theories and computer ethics". In: Handbook of Research on Technoethics. Information Science Reference. New York. First Edition. 2008. 1, 186-204. ISBN: 978-1-60566-000-4.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Pade,C, Mallinson,B and Sewry,D

Pade,C, Mallinson,B and Sewry,D. "An elaboration of critical success factors for rural ICT project sustainability in developing countries: exploring the DWESA case". *Journal of IT Case and Application Research*. 2008. 10(4),32-55.

Palmer,L

Palmer,L. "The inclusion of a software testing module in the Information Systems honours course". *South African Computer Journal*. 2008. 42,84-88.

OTHER PUBLICATIONS**Schlenkrich,L**

Schlenkrich,L. "Making IT governance a success". In: *Test Focus Magazine*. Mallinson, W (Ed). 2006. 7(6), 10-15. ISSN: 1990-6072

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Benyon,R**

Benyon,R. "Solving ITSM implementation problems". *IT Service Management Forum South Africa*. Gallagher Estate, Johannesburg. South Africa. March 2008.

Benyon,R. "CaseIT 2008: a Rhodes University department of Information Systems experience". *Southern African Computer Lecturers Association*. Berg en Dal, Kruger Park. South Africa. July 2008.

Dorrington,P, Rafferty,K and Foster,G

Dorrington,P, Rafferty,K and Foster,G. "Investigation of a sustainable model specifically for the connectivity needs of rural communities in Southern Africa". *Annual Conference of the South African Institute of Computer Scientists and Information Technologists - Postgraduate Symposium*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008.

Foster,G

Kerr,S, Foster,G and Slay,H. "Vision based interaction techniques for mobile phones: current status and future directions". *Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 397-402.

Koller,A, Foster,G and Wright,M. "Java micro edition and Adobe flash lite for arcade-style mobile phone game development: a comparative study". *The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT)*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008. 131-138.

Maema,M and Foster,G. "Backbase ajax framework and Adobe flex for rich internet application development: a comparative study". *10th Annual Conference on World Wide Web Applications*. University of Cape Town, Cape Town. South Africa. September 2008.

Slay,H, Foster,G and Mukadah,E. "Investigating the viability of scroll-wheel interfaced mobile phones for text entry". *The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT)*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008. 220-228.

van Schalkwyk,D, Foster,G and Wright,M. "Java Micro Edition and Adobe Flash Lite for web-enabled mobile phone data services: a comparative study". *10th Annual Conference on World Wide Web Applications*. University of Cape Town, Cape Town. South Africa. September 2008.

Magadza,A and Foster,G

Magadza,A, Foster,G and Slay,H. "Work in progress: investigation and design of a prototype cell phone enabled surveillance system of zoonotic disease outbreak". *The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT) - Postgraduate Symposium*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008. 58-61.

Mallinson,B and Madondo,F

Mallinson,B and Madondo,F. "A theoretical exploration of the potential use and benefits of social software as an emerging technology in support of e-learning in tertiary education". Higher Education as a Social Space. Rhodes University, Grahamstown. South Africa. November 2008. 84.

Mallinson,BJ

Halse,M and Mallinson,BJ. "Investigating popular internet applications as supporting e-learning technologies for teaching and learning with generation Y". e/merge 2008. online conference, online conference. South Africa. July 2008.

Palmer,L

Palmer,L. "The inclusion of a software testing module for the Information Systems honours course". Southern African Computer Lecturers Association. Berg en Dal, Kruger Park. South Africa. July 2008.

Schenkriech,L and Sewry,D

Schenkriech,L and Sewry,D. "An investigation of social computing in an educational context". Annual Conference of the South African Institute of Computer Scientists and Information Technologists - Postgraduate Symposium. Wilderness beach Hotel, Wilderness. South Africa. October 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Benyon,R**

Benyon,R. "PhD research in progress: IT service management implementation". International Conference on Information Systems. Le Palais des Congres, Paris. France. December 2008.

Benyon,R and Sewry,D

Benyon,R and Sewry,D. "An investigation of a framework for the implementation of service management in the information and communication technology sector". International Conference on Information Resources Management. Niagara Falls, Ontario. Canada. May 2008.

Finn,S and Benyon,R

Finn,S and Benyon,R. "An investigation of the effective management of communication for successful distributed software development teams". 2nd European Conference on Information Management and Evaluation. Royal Holloway University of London, London. United Kingdom. September 2008. 169-176.

Mallinson,B and Vos,L

Mallinson,B and Vos,L. "A theoretical investigation of the synergy between enterprise e-learning and knowledge management". 16th International Conference on Information Systems Development. National University of Ireland, Galway. Ireland. August 2007. 483-494.

Mallinson,BJ and Nyawo,N

Mallinson,BJ and Nyawo,N. "A proposed theoretical model for evaluating e-learning". IADIS International Conference e-Learning 2008. NH Grand Hotel Krasnapolsky, Amsterdam. Netherlands. July 2008. 411-418.

Pade,C, Mallinson,B and Sewry,D

Pade,C, Mallinson,B and Sewry,D. "An Exploration of the Critical Success Factors for the Sustainability of Rural ICT Projects – The Dwesa Case Study". 16th International Conference on Information Systems Development. National University of Ireland, Galway. Ireland. August 2007. 339-352.

Pade,C, Mallinson,BJ and Sewry,D

Pade,C, Mallinson,BJ and Sewry,D. "Project management practice for rural ICT project sustainability in developing countries". 2nd European Conference on Information Management and Evaluation. Royal Holloway, University of London, London. United Kingdom. September 2008. 351-362.

Rafferty,K and Sewry,D

Rafferty,K, Whittington-Jones,KJ and Sewry,D. "Corporate sustainable development and environmental sustainability reporting in the South African JSE ICT sector entities in 2005". International Business Conference. Port Elizabeth. South Africa. August 2008.

Schlenkrich,L and Upfold,C

Schlenkrich,L and Upfold,C. "A guideline for virtual team managers: the key to effective social interaction and communication". 2nd European Conference on Information Management and Evaluation. Royal Holloway University of London, London. United Kingdom. September 2008. 383-392.

Sewry,D, Benyon,R and Johnston,R

Sewry,D, Benyon,R and Johnston,R. "ICT service agreements: definitions, purpose and development principles". International Conference on Information Resources Management. Niagara Falls, Ontario. Canada. May 2008.

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

Von Urff Kaufeld,N, Chari,V and Freeme,D. "Critical success factors for effective IT leadership". 2nd European Conference on Information Management and Evaluation. Royal Holloway University of London, London. United Kingdom. September 2008. 433-442.

DISTINGUISHED VISITORS**Sainsbury,M**

Professor M Sainsbury. Owl IT, Johannesburg, South Africa. Lecture and Research. Sep - Jan 2008.

INFORMATION TECHNOLOGY DIVISION**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Bonnevie,B**

Craig,A, Bonnevie,B, Hulley,PE and Underhill,GD. "Primary wing-moult in southern African mousebirds (Coliidae)". 12th Pan-African Ornithological Congress. Goudini Spa, Rawsonville. South Africa. September 2008.

JOURNAL SUBSIDY UNITS		UNITS
Palmer,L		
<i>Palmer,L. "The inclusion of a Software Testing module in the Information Systems honours course". South African Computer Journal. 2008. 42,84-88.</i>		1.00
TOTAL		1.00

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Sewry	Schlenkrich	M	1.0
TOTAL			1.0

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
e-merge Online conference proceedings	Investigating popular internet applications as supporting e-learning technologies for teaching and learning with generation Y	Halse M, Mallinson BJ
2nd European conference on information management and evaluation	An investigation of the effective management of communication for successful distributed software development teams	Finn S, Benyon R
2nd European conference on information management and evaluation	Project management practice for rural ICT project sustainability in developing countries	Pade C, Mallinson BJ, Sewry D
2nd European conference on information management and evaluation	A guideline for virtual team managers: the key to effective social interaction and communication	Schlenkrich L, Upfold C
2nd European conference on information management and evaluation	Critical success factors for effective IT leadership	von Urff Kaufeld N, Chari V, Freeme D
Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)	Vision based interaction techniques for mobile phones: current status and future directions	Kerr S, Foster G, Slay H
The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT).	Java micro edition and Adobe flash lite for arcade-style mobile phone game development: a comparative study	Koller A, Foster G, Wright M
The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT)	Investigating the viability of scroll-wheel interfaced mobile phones for text entry".	Slay H, Foster G, Mukadah E
10th Annual Conference on World Wide Web Applications	Backbase ajax framework and Adobe flex for rich internet application development: a comparative study	Maema M, Foster G
10th Annual Conference on World Wide Web Application	Java Micro Edition and Adobe Flash Lite for web-enabled mobile phone data services: a comparative study	van Schalkwyk D, Foster G, WrightM
Proceedings of 2008 International Conference on Information Resource Management	15F. An investigation of a framework for the implementation of service management in the information and communication technology sector	Benyon RV, Sewry D
Proceedings of 2008 International Conference on Information Resource Management	50F. ICT service agreements: definitions, purpose and development principles	Johnston R, Sewry D, Benyon R
Information Systems Development: challenges in practice, theory and education	A theoretical investigation of the synergy between enterprise e-learning and knowledge management	Mallinson B, Vos L
Information Systems Development: challenges in practice, theory and education	An exploration of the critical success factors for the sustainability of rural ICT - The Dwesa case study	Pade C, Mallinson BJ, Sewry D
Proceedings of e-Learning 2008	A proposed theoretical model for evaluating e-learning	Mallinson B, Nyawo N
IBC second international business	Corporate sustainable development and	*Rafferty K,

conference: leadership and sustainable business development	environmental sustainability reporting in the South African JSE sector entities in 2005	Whittington-Jones K, Sewry D
Proceedings of SAICSIT 2012	<i>Work in progress</i> : investigation and decision of a prototype cell phone enabled surveillance system of zoonotic disease outbreaks	Magadza A, Foster G, Slay H

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Handbook of Research on Technoethics	Ethical theories and computer ethics	Charlesworth, M, Sewry D

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 Professor Laurence Wright continues his research into the reception of Shakespeare in South Africa. He published two articles on the mid-nineteenth century Shakespeare lectures of Nathaniel Merriman, including one which supports indirectly the identification of the Xhosa Prophet Mhlakaza as the first Xhosa Anglican convert, Wilhelm Goliath, and prepared annotated editions of the lectures. He also heads the international collaborative 'Southern Hemisphere Spread of Shakespeare' research and publication programme, which coordinates work by more than thirty researchers in South Africa, Australasia and the United Kingdom. A collection of essays entitled *Australasian Shakespeare in the Twentieth Century* is in preparation for the Fairleigh Dickinson University Press; while a similar compilation, *South African Shakespeare in the Twentieth Century*, will appear in *The Shakespearean International Yearbook* in 2009. Two chapters on J.M. Coetzee were published this year in separate essay collections, and a further will appear in 2009. In addition, he produced *Stimela: Railway Poems of South Africa* (Echoing Green press, 2008), a contribution to a fresh field of South African literary, industrial and social history.

Dr Hendricks contributes to the ABLE (Additive Bilingual Education) project, based at the Sosebenza School in Tarkastad. Her research into the literacy and writing ability in English of Intermediate Phase learners enabled her to participate in the *Ulwimi Lwenkobe Ngundogo* and the Bilingualism Symposium held in association with this research project.

Chris Mann, Honorary Professor of Poetry, continues to publish prolifically and to perform his work country-wide through travelling multi-media presentations, often in collaboration with his wife, Julia Skeen. This year he undertook an extensive international tour of the United Kingdom and the United States. Highlights of the tour included a keynote address at the conference on 'The Poetics of Conflict' held at Bridgewater, Virginia, and performances at St John's College, Oxford, at SOAS (University of London), and for the Institute for Literature and Theology, Glasgow University.

Deyi Mbelani, who joined the Institute this year, has published two research articles describing recently-completed classroom-based action research into the teaching of visual literacy and its assessment in rural schools.

Research into the impact of the ISEA's ACE (ELT) teacher education programme continues. The HSRC benchmark post-test has been conducted with the Grade 11 learners in the districts of Fort Beaufort and King Williams Town. The results have to be analysed in relation to the pre-test results of the Grade 10 learners collected in 2007. Initial indications are that a modest level of improvement has been achieved even at this early stage.

Dr Chris Thurman was appointed as the new editor of *Shakespeare in Southern Africa* in succession to Dr Brian Pearce, and Ms Crystal Warren succeeds Ms Joan Metelerkamp as editor of *New Coin Poetry*. Professor Mike Marais continues as editor of *English in Africa*.

PROFESSOR LAURENCE WRIGHT
DIRECTOR OF INSTITUTE

BOOKS/CHAPTERS/MONOGRAPHS

Berold, R

Berold, R. "Travelling". In: *Stimela: Railway Poems of South Africa*. Echoing Green Press. South Africa. 2008. 68. ISBN: 978-0-620-41938-3.

Butler, G

Butler, G. "The parting". In: *Stimela: Railway Poems of South Africa*. Echoing Green Press. South Africa. First Edition. 2008. 26-28. ISBN: 978-0-620-41938-3.

Mann,CM

Mann ,CM. "Cookhouse station ". In: Stimela: Railway Poems of South Africa. Echoing Green Press. Empangeni. First Edition. 2008. 49-50. ISBN: 978-0-620-41938-3.

Mann ,CM. "The circus train ". In: Stimela: Railway Poems of South Africa. Echoing Green Press. Empangeni. First Edition. 2008. 69. ISBN: 978-0-620-41938-3.

Mann ,CM. "Cicada ". In: Text bites. Oxford University Press. Cape Town. First Edition. 2008. 66-67. ISBN: 978-0-19-5-98583-2. (In Press).

Wright,L

Wylie,D, Wright,L, Morison,T, Michell,L, Kirkaldy,A, Springer,M, Woodward,W, Gressier,C, Mulcock,J, Trigger,D, Farrington,K, Louw,P and Martin,J. "Toxic Belonging? Identity and Ecology in Southern Africa". Cambridge Scholars Publishing. Cambridge. First Edition. 2008. 1-268. ISBN: 1-84717-514-2.

Wright,LS

Wright,LS. "Stimela: Railway Poems of South Africa".Wright, L (Ed). Echoing Green Press. Empangeni. First Edition. 2008. 108 pp.

Wright,LS. "Disgrace as J.M. Coetzee's Tempest". In: Renaissance Poetry and Drama in Context. Cambridge Scholars Publishing. Newcastle. First Edition. 2008. 303-316. ISBN: 1-84718-610-6.

Wright,LS. "Ecological thinking: Schopenhauer, J.M. Coetzee and who we are in the world". In: Toxic Belonging: identity and ecology in Southern Africa. Cambridge Scholars Press. Newcastle. First Edition. 2008. 24-42. ISBN: 1847185142.

Wright,LS. "Introduction". In: Stimela: Railway Poems of South Africa. Echoing Green Press. Empangeni. First Edition. 2008. 12-30. ISBN: 978-0-620-41938-3.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**Hendricks,M**

Hendricks,M. "Capitalising on the dullness of the data: a linguistic analysis of a grade 7 learners' writing". *Southern African Linguistics and Applied Language Studies*. 2008. 26(1),27-42.

Mann,CM

Mann ,CM. "Seeing the cosmos in a grain of sand". *Current Writing*. 2008. 66(6),66-76.

Mann ,CM. "In praise of good administrators". *English Academy Review*. 2008. 25(1),144-145.

Mann ,CM. "The clan bard of the Drakensberg". *English Academy Review*. 2008. 25(1),144-145.

Mann ,CM. "A woman in full bloom". *English Academy Review*. 2008. 25(2),157-158.

Mann ,CM. "Home from home". *Literator*. 2008. 28(2),195-196.

Mann ,CM. "The mutability of science". *Literator*. 2008. 28(2),193.

Mann,CM. "A breath of awe". *Literator*. 2008. 28(2),194.

Mann,CM. "Getting the boot". *Literator*. 2008. 29(1),308.

Mann ,CM. "Blood in the night". *Literator*. 2008. 29(1),309.

Mann ,CM. "The dark side of the moon". *Literator*. 2008. 29(1),310.

Mann ,CM. "The gallstones in the cellar". *Scrutiny 2*. 2008. 13(2),92.

Mann ,CM. "A farewell in advance of death". *Scrutiny* 2. 2008. 13(2),93.

Mann ,CM. "Real cricket". *Scrutiny* 2. 2008. 13(2),94.

Mann ,CM. "Taps". *Scrutiny* 2. 2008. 13(2),95.

Mann,CM and Levey,D. "Environmentally aware art, poetry, music and spirituality: lifelines". *Alternation: International Journal for The Study of Southern African Literature and Languages*. 2007. 14(2),218-237.

Mbelani,M

Mbelani,M. "Winds of change in teacher classroom assessment practice: a self-critical reflection on the teaching and learning of visual literacy". *English Teaching-Practice and Critique*. 2008. 7(3), <http://education.waikato.ac.nz/research/journal/view.php?view=true&id=41&p=1>.

Wright,LS

Wright,LS. "Archdeacon Merriman, 'Caliban', and the cattle-killing of 1856-57". *African Studies*. 2008. 67(2),257-273.

Wright,LS. "Cultivating Grahamstown: Nathaniel Merriman, Shakespeare and books". *Shakespeare in Southern Africa*. 2008. 20,25-37.

Wright,LS. "Nathaniel Merriman's lecture: on the study of Shakspeare". *Shakespeare in Southern Africa*. 2008. 20,39-61.

Wright,LS. "Mussolini's moment: Roy Sargeant directs *The Merchant of Venice* at Maynardville, January 2008". *Shakespeare in Southern Africa*. 2008. 20,68-70.

Wright,LS. "Something rotten in this age of hope: review of *The Hamlet Machine*". *Shakespeare in Southern Africa*. 2008. 66-68.

Wright,LS. "Inventing the human: Brontosaurus Bloom and 'the Shakespeare in us'". *The Shakespearean International Yearbook*. 2008. 8,238-260.

OTHER PUBLICATIONS

Koch E, Hendricks, Jackson MJ, Foli CM

Koch E, Hendricks, Jackson MJ, Foli CM. "Research in project ABLE". In: Newsletter of the Language in Education in Africa Project. Teyise,T and Pluddemann, P (Eds) Project for the Study of Alternative Education in South Africa. Cape Town. 2008. 20(n/a), 22-24.

Leff,C

Leff,C. "Springlove". *New Coin*. In: New Coin. Metelerkamp, J (Ed) Institute for the Study of English in Africa. Grahamstown. 2008. 44(2), 68. ISBN: 0028-4459.

Leff,C. "Flutter". In: A Hudson View Poetry Digest. Mitra, A (Ed) Skyline Publications. New York. 2008. 2(1), 16. ISBN: 1540-5036.

Leff,C. "Pizzicatti ramblings". In: A Hudson View Poetry Digest. Mitra, A (Ed) Skyline Publications. New York. 2008. 20(1), 16. ISBN: 1540-5036.

Leff,C. "Prohibited goods ". In: A Hudson View Poetry Digest. Mitra, A (Ed) Skyline Publications. New York. 2008. 2(1), 17. ISBN: 1540-5036.

Mann,CM

Mann ,CM. "The dancer in the old age hom ". In: *New Coin*. Warren, C (Ed) Institute for the Study of English in Africa. Grahamstown. 2008. 44(2), 64-66. ISBN: 0028-4459.

Mann ,CM. "The parliament within". In: *New Coin*. Warren, C (Ed) Institute for the Study of English in Africa. Grahamstown. 2008. 44(2), 63-64. ISBN: 028-4459.

Mann ,CM. "Basic instincts". In: *New Contrast*. Hodge, HA (Ed) South African Literary Journal. Cape Town. 2008. 35(2), 8-9. ISBN: 1017-5415.

Mann ,CM. "Birth pangs". In: *New Contrast*. Hodge, HA (Ed) South African Literary Journal. Cape Town. 2008. 35(2), 7-8. ISBN: 1017-5415.

Mann ,CM. "Galapagos". In: *New Contrast*. Hodge, HA (Ed) South African Literary Journal. Cape Town. 2008. 35(3), 7-8. ISBN: 1017-5415.

Mann ,CM. "The whirlwind and the spring". In: *New Contrast*. Hodge, HA (Ed) South African Literary Journal. Cape Town. 2008. 35(3), 7-8. ISBN: 1017-5415.

Mann ,CM. "Annunciations". In: *Carapace*. Ferguson, G (Ed) Snailpress. Cape Town. 2008. 10.

Mann,CM. "Beware the new boors". In: *Mail & Guardian*. Haffajee, F (Ed) Mail and Guardian. Johannesburg. 2008. 18 to 24 April (2008), 29.

Mann ,CM. "Crossing over ". In: *The Spire*. Whisson, M (Ed) Grahamstown Cathedral. Grahamstown. 2008. March 8.

Mann,CM. "Dove". In: *The Spire*. Whisson, M (Ed) Grahamstown Cathedral. Grahamstown. 2008. July, 15.

Mann ,CM. "Galapagos". In: *The Spire*. Whisson, M (Ed) Grahamstown Cathedral. Grahamstown. 2008. Feb 7.

Mann ,CM. "Tea at Hlambeza pool". In: *The Spire*. Whisson, M (Ed) Grahamstown Cathedral. Grahamstown. 2008. December 15.

Mann ,CM. "The poetry of belonging". In: *The English Academy of Southern Africa*. Kalula, F (Ed) English Academy of South Africa. Johannesburg. 2008. 2 (September), 12-14.

Wright,LS

Wright,LS. "Review of English academic literary discourse in South Africa 1958-2004: a review of 11 academic journals by Derek Barker". In: *Literatur in Wissenschaft und Unterricht*. Davis,G and Platz, NH (Eds) Konigshausen & Neumann. Wurzburg. 2008. 39(2), 252-253. ISBN: 00244643.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Hendricks,M

Hendricks,M. "Conference convenor". *Networking: Eastern Cape English Teachers' Conference*. Rhodes University, Grahamstown. South Africa. March 2008.

Hendricks,M and Lekena,T

Hendricks,M and Lekena,T. "Troubling test results: grade 10 literacy". *Networking: Eastern Cape English Teachers Conference*. Rhodes University, Grahamstown. South Africa. March 2008.

Wright,LS

Wright,LS. "Bi-valent theatre: Umabatha as a cross-cultural phenomenon". *19th Biennial Conference of the South African Medieval and Renaissance Society*. Mont Fleur , Stellenbosch. South Africa. September 2008.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

ii. International Conferences

Mann,CM

Mann,CM. "May you still see the rainbow in the storm: the creative imagination, conflict and volatile complexity". *The Poetics of Conflict and Reconciliation*. Bridgewater College, Bridgewater. United States of America. October 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS

Mann,CM

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Quaker Yearly Meeting. Grahamstown, South Africa. 5 January 2008.

Mann ,CM. Radio broadcast of song-poem. "*The seahorse dance*". Roots to Fruits SAfm. SABC. Durban, South Africa. 23 - 22 January 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Kingsmead College. Johannesburg, South Africa. 3 March 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". UNISA. Pretoria, South Africa. 4 March 2008.

Mann,CM. Multitimedia Poetry Participation. "*Lifelines*". St Alban's College. Pretoria, South Africa. 4 March 2008.

Mann,CM. Multitimedia Poetry Participation. "*Lifelines*". Pretoria Boys' High School. Pretoria, South Africa. 5 March 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Boekjol-University of Pretoria. Pretoria, South Africa. 6 March 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Crawford College. Pretoria, South Africa. 7 March 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Transvaal Museum. Pretoria, South Africa. 7 March 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Pretoria High School for Girls. Pretoria, South Africa. 7 March 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Boekjol - University of Pretoria. Pretoria, Soouth Africa. 8 March 2008.

Mann ,CM. Acceptance Speech for Pringle Award. "*The poetry of belonging* ". Acceptance Speech, English Academy of South Africa. Rhodes University. Grahamstown , South Africa. 24 April 2008.

Mann,CM. Multimedia Poetry Participation. "*The Poetry of belonging*". The poetry of belonging. English Academy of South Africa Pringle Award. Unknown, South Africa. 24 April 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Off the wall. Cape Town, South Africa. 12 May 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Springfield Convent. Cape Town, South Africa. 12 May 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Rustenburg Girls' High School. Cape Town, South Africa. 13 May 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Franschoek Literary Festival. Franschoek, South Africa. 16 May 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines excerpts*". Lifelines excerpts. Great Drakenstein Prison. Cape Town, South Africa. 16 May 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Franschoek Literary Festival. Franschoek , South Africa. 17 May 2008.

Mann ,CM. Radio Interview. "*Wordfest* ". SAfm Radio Interview. Broadcast van. Grahamstown , South Africa. 18 May 2008.

Mann,CM. Multimedia Installation - writer. "*Epiphanies installation* ". National Arts Festival Fringe. Cory Room. Grahamstown , South Africa. 28 June - 5 July 2008.

Mann ,CM. Performance of poems on TV. "*To - in a supermarket, the doves of South Africa* ". SATV1 Morning Live. DSG Hall. Grahamstown , South Africa. 2 July - 2 January 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Kingswood College. Grahamstown, South Africa. 7 October 2008.

Mann,CM. Multimedia Poetry Participation. "*May you still see the rainbow through the sky*". May you still see the rainbow through the sky. Rhodes University. Grahamstown , South Africa. 9 October 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". St Andrews College and DSG. Grahamstown, South Africa. 10 October 2008.

Mann,CM. Multimedia Poetry Participation. "*Heartlands seminar*". Heartlands seminar. Bridgewater College. unknown, unknown. 15 October 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". University of Virginia. Virginia, United States of America. 16 October 2008.

Mann,CM. Multimedia Poetry Participation. "*The role of the poet during conflict*". Bridgewater. Virginia, United States of America. 16 October 2008.

Mann,CM. Multimedia Poetry Participation. "*May you still see the rainbow through the sky*". Bridgewater. Virginia, United States of America. 17 October 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Gordonstoun School. Scotland, United Kingdom. November 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Loretto School. Scotland, United Kingdom. 5 November 2008.

Mann,CM. Multimedia Poetry Participation. "*Paschal monologues*". Glasgow University. Scotland, United Kingdom. 11 November 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Centre for Life. New Castle, United Kingdom. 13 November 2008.

Mann,CM. Multimedia Poetry Participation. Seminar with creative writing students. Durham University. Durham, United Kingdom. 14 November 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". School of Oriental and African Studies. London, United Kingdom. 19 November 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Cambridge University. Cambridge, United Kingdom. 25 November 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". Milner Hall. Winchester, United Kingdom. 28 November 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". St John's College Auditorium. Oxford, United Kingdom. 29 November 2008.

Mann,CM. Multimedia Poetry Participation. "*Poetry reading*". South African Film Festival, Barbican. London, United Kingdom. 2 December 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines*". University of Winchester. Winchester, United Kingdom. 3 December 2008.

Mann,CM. Multimedia Poetry Participation. "*Lifelines excerpts*". Winchester College. Winchester, United Kingdom. 5 December 2008.

Mann,CM, Moss,K and Skeen,J. Writer of text of Multimedia DVD. "*Epiphanies (DVD)*". National Arts Festival Fringe. n/a. Grahamstown, South Africa. 1 June - 31 December 2008.

Wright,LS

Wright,LS. Public Lecture. "*A Grahamstown story: Archdeacon Merriman and the cattle-killing of 1856-57*". Shakespeare Commemorative Lecture. Rhodes University. Grahamstown, South Africa. 1 - 24 April 2008.

JOURNAL SUBSIDY UNITS	UNITS
Hendricks,M	
Hendricks,M. "Capitalising on the dullness of the data: a linguistic analysis of a grade 7 learners' writing". Southern African Linguistics and Applied Language Studies. 2008. 26(1),27-42.	1.00
Mann ,CM	
Mann ,CM. "Seeing the cosmos in a grain of sand". Current Writing. 2008. 66(6),66-76.	1.00
Mann ,CM. "A woman in full bloom ". English Academy Review. 2008. 25(2),157-158.	1.00
Mann ,CM. "The clan bard of the Drakensberg". English Academy Review. 2008. 25(1),144-145.	1.00
Mann ,CM. "In praise of good administrators". English Academy Review. 2008. 25(1),144-145.	1.00
Mann ,CM. "Blood in the night ". Literator. 2008. 29(1),309-309.	1.00
Mann ,CM. "The dark side of the moon ". Literator. 2008. 29(1),310-310.	1.00
Mann ,CM. "The mutability of science". Literator. 2008. 28(2),193- 193.	1.00
Mann ,CM. "Home from home ". Literator. 2008. 28(2),195-196.	1.00
Mann ,CM. "A farewell in advance of death ". Scrutiny2. 2008. 13(2), 93-93.	1.00
Mann ,CM. "The gallstones in the cellar ". Scrutiny2. 2008. 13(2), 92-92.	1.00
Mann ,CM. "Taps ". Scrutiny2. 2008. 13(2),95-95.	1.00
Mann ,CM. "Real cricket ". Scrutiny2. 2008. 13(2),94-94.	1.00
Mann,CM	
Mann,CM and Levey ,D. "Environmentally aware art, poetry, music and spirituality: lifelines". Alternation: International Journal for The Study of Southern African. 2007. 14(2),218-237.	1.00
Mann,CM. "A breath of awe ". Literator. 2008. 28(2),194-194.	1.00
Mann,CM. "Getting the boot". Literator. 2008. 29(1),308-308.	1.00
Mbelani,M	
Mbelani,M. "Winds of change in teacher classroom assessment practice: a self-critical reflection on the teaching and learning of visual literacy". English Teaching-Practice and Critique. 2008. 7(3),100-114.	1.00
Wright,LS	
Wright,LS. "Archdeacon Merriman, 'Caliban', and the cattle-killing of 1856-57". African Studies. 2008. 67(2),257-273.	1.00
Wright,LS. "Something rotten in this age of hope: review of <i>The Hamlet Machine</i> ". Shakespeare in Southern Africa. 2008. 66-68.	1.00

Wright,LS. "Mussolini's moment: Roy Sargeant directs <i>The Merchant of Venice</i> at Maynardville, January 2008". Shakespeare in Southern Africa. 2008. 20,68-70.	1.00
Wright,LS. "Nathaniel Merriman's lecture: on the study of Shakspeare". Shakespeare in Southern Africa. 2008. 20,39-61.	1.00
Wright,LS. "Cultivating Grahamstown: Nathaniel Merriman, Shakespeare and books". Shakespeare in Southern Africa. 2008. 20,25-37.	1.00
TOTAL	22.00

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Stimela: Railway Poems of South Africa	Introduction	Wright, LS
Stimela: Railway Poems of South Africa	Cookhouse station	Mann , CM
Stimela: railway poems of South Africa	Travelling	Berold, R
Stimela: Railway Poems of South Africa	The circus train	Mann , CM
Toxic belonging: identity and ecology in southern Africa	Ecological thinking: Schopenhauer, J.M. Coetzee and who we are in the World	Wright, LS
Renaissance Poetry and Drama in Context : Essays for Christopher Wortham	Disgrace as J.M. Coetzee's Tempest	Wright, LS

INSTITUTE FOR WATER RESEARCH

This report covers research highlights that are not covered by the submission of published journal articles and chapters in books.

Book Chapter

Prof Hughes took part in writing a chapter for the book “Hydrological Modelling and the Water Cycle: Coupling Atmospheric and Hydrological Models” titled “Simulating climate change impacts on water resources: Experience from the Okavango River, southern Africa” in collaboration with Todd MC, Andersson L, Hughes DA, Kniveton D, Layberry R, Murray-Hudson M, Savenije HHG, Wilk J and Wolski P. This book was published by Springer Berlin-Heidelberg in July 2008.

Scientific reports

The IWR generated 6 scientific reports to its various research funders during 2008. Most of these were interim deliverable reports while two were final reports at the conclusion of projects.

Conferences attended during 2008

- British Hydrological Society symposium held in Exeter, UK during September 2008 (Prof Hughes) partly supported by Rhodes University. A paper was presented and appeared in the proceedings.
- Annual WATERNET conference held in Johannesburg during October 2008 (Prof Hughes and Mr Sawunyama). Prof Hughes presented an invited paper.
- IASTED AfricaWRM conference held in Gaborone, Botswana during September 2008 (Dr Mantel, Ms Gola and Mr Zuma). Three presentations were made at this conference.
- Training workshop on adaptive management in Integrated Water Resource Management held in Lesotho during March 2008 (Dr Mantel and Mrs Haigh).

Post-graduate and post-doctoral students

1 MSc (Hydrology) student graduated during 2008. The Institute has 8 registered PhD and 3 MSc students (in either Hydrology or Water Resource Sciences) as well as assists with supervision of 1 PhD and 1 MSc students in Ichthyology. The Institute hosted 3 post-doctoral students during 2008.

Other highlights

Prof Hughes acted as the facilitator for chapter 2 (‘State of the Resource’) of the UNESCO Third World Water Development Report. This is a global report on the state of global water resources that is published by UNESCO every three years. He also remains as a vice-president of the IAHS commission on surface water. Prof Hughes is the regional coordinator for the Southern Africa FRIEND project (a UNESCO IHP initiative), serves on the South African Committee for the UNESCO IHP and remains chairperson of SANCIAHS (South African Committee for the International Association of Hydrological Sciences).

Dr Muller continues to serve on the Board of Amatole Water.

The IWR was successful in their bid for funds from the Carnegie Foundation to establish the Southern Africa Water Resources Network under the Carnegie RISE (Regional Initiative in Science and Education). 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 will be joining the IWR during 2009.

PROFESSOR DENIS HUGHES
DIRECTOR OF INSTITUTE

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Gordon,AK and Muller,WJ

Gordon,AK, Blatch,GL, Daniel,S and Muller,WJ. "Stress protein responses in South African freshwater invertebrates exposed to detergent surfactant linear alkylbenzene sulfonate (LAS)". *Water Air and Soil Pollution*. 2008. 193,123-130.

Hughes,DA

Hughes,DA and Mallory,SJL. "Including environmental flow requirements as part of real-time water resource management". *River Research and Applications*. 2008. 23,1-10.

Kapangaziwiri,E and Hughes,DA

Kapangaziwiri,E and Hughes,DA. "Towards revised physically-based parameter estimation methods for the Pitman monthly rainfall-runoff model". *Water SA*. 2008. 34(2),183-191.

Muller,N

Muller,N, Chakona,A, Phiri,C and Chinamaringa,T. "Changes in biota along a dry-land river in northwestern Zimbabwe: declines and improvements in river health related to land use". *Aquatic Ecology*. 2008. DOI 10.1007/s10452-008-9222-7

Rivers-Moore,NA

Jewitt,GPW and Rivers-Moore,NA. "Adaptive management and water temperature variability within a South African river system: what are the management options?". *Journal of Environmental Management*. 2007. 82(1),39-50.

Rivers-Moore,NA, Bangay,S and Palmer,RW. "Optimisation of *Bacillus thuringiensis* var. *israelensis* (Vectobac®) applications for the blackfly control programme on the Orange River, South Africa". *Water SA*. 2008. 34(2),193-198.

Rivers-Moore,NA and de Moor,FC. "Impact of winter flow regulation on pest-level populations of blackfly (Diptera: simuliidae) and non-target faunal communities in a South African river". *African Journal of Aquatic Science*. 2008. 33(2),125-134.

Rivers-Moore,NA and Hughes,DA

Rivers-Moore,NA, Hughes,DA and de Moor,FC. "A model to predict outbreak periods of the pest blackfly *Simulium chutteri* Lewis (Simuliidae, Diptera) in the Great Fish river, Eastern Cape Province, South Africa". *River Research and Applications*. 2008. 24,132-147.

Rivers-Moore,NA, Hughes,DA and Mantel,S

Rivers-Moore,NA, Hughes,DA, Mantel,S and Hill,TR. "First steps in the development of a water temperature model framework for refining the ecological reserve in South African rivers". *Water SA*. 2008. 34(5),585-596.

Sawunyama,T and Hughes,DA

Sawunyama,T and Hughes,DA. "Application of satellite-derived rainfall estimates to extend water resource simulation modelling in South Africa". *Water SA*. 2008. 34(1),1-9.

Slaughter,AR, Palmer,CG and Muller,WJ

Slaughter,AR, Palmer,CG and Muller,WJ. "A chronic toxicity test protocol using *Caridina nilotica* (Decapoda: Atyidae) and the generation of salinity toxicity data". *African Journal of Aquatic Science*. 2008. 33(1),37-44.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

ii. International Conferences

Gola,NP and Muller,WJ

Gola,NP and Muller,WJ. "Acute effects of the synthetic pyrethroid deltamethrin on the freshwater shrimp *Caridina nilotica* (Roux)". *2nd IASTED Conference On Water Resource Management*. University of Botswana, Gaborone. Botswana. September 2008. 29-34.

Muller,N

Naigaga,I, Kaiser,H, Muller,N and Ojok,L. "Fish histopathology biomarkers of aquatic environmental quality in wetlands receiving urban runoff in Uganda". *Conference of the Pan African Fish and Fisheries Association: African Fish And Fisheries, Diversity And Utilization*. Addis Ababa, Addis Ababa. Ethiopia. September 2008.

Zuma,BM

Tandlich,R, Zuma,BM, Whittington-Jones,KJ and Burgess,JE. "Treatment for reuse of greywater and the elimination of associated health risks". *Society for Environmental Geochemistry and Health Conference*. Athens. Greece. March 2008.

JOURNAL SUBSIDY UNITS	UNITS
Gordon,AK and Muller,WJ	
Gordon,AK, Blatch,GL, Daniel,S and Muller,WJ. "Stress protein responses in South African freshwater invertebrates exposed to detergent surfactant linear alkylbenzene sulfonate (LAS)". <i>Water Air and Soil Pollution</i> . 2008. 193,123-130.	0.50
Hughes,DA	
Hughes,DA and Mallory,SJL. "Including environmental flow requirements as part of real-time water resource management". <i>River Research and Applications</i> . 2008. 23,1-10.	0.50
Kapangaziwiri,E and Hughes,DA	
Kapangaziwiri,E and Hughes,DA. "Towards revised physically- based parameter estimation methods for the Pitman monthly rainfall-runoff model". <i>Water SA</i> . 2008. 34(2),183-191.	1.00
Muller,N	
Muller,N, Chakona,A, Phiri,C and Chinamaringa,T. "Changes in biota along a dry-land river in northwestern Zimbabwe: declines and improvements in river health related to land use". <i>Aquatic Ecology</i> . 2008. 0-0.	0.25
Rivers-Moore,NA	
Rivers-Moore,NA and de Moor,FC. "Impact of winter flow regulation on pest-level populations of blackfly (Diptera: Simuliidae) and non-target faunal communities in a South African river". <i>African Journal of Aquatic Science</i> . 2008. 33(2),125-134.	0.50
Jewitt,GPW and Rivers-Moore,NA. "Adaptive management and water temperature variability within a South African river system: what are the management options?" <i>Journal of Environmental Management</i> . 2007. 82(1), 39-50.	0.50
Rivers-Moore,NA, Bangay,S and Palmer,RW. "Optimisation of <i>Bacillus thuringiensis</i> var. <i>israelensis</i> (Vectobac®) applications for the blackfly control programme on the Orange River, South Africa". <i>Water SA</i> . 2008. 34(2),193-198.	0.34
Rivers-Moore,NA and Hughes,DA	
Rivers-Moore,NA, Hughes,DA and de Moor,FC. "A model to predict outbreak periods of the pest blackfly <i>Simulium chutteri</i> Lewis (Simuliidae, Diptera) in the Great Fish river, Eastern Cape Province, South Africa". <i>River Research and Applications</i> . 2008. 24,132-147.	0.67
Rivers-Moore,NA, Hughes,DA and Mantel,S	
Rivers-Moore,NA, Hughes,DA, Mantel,S and Hill,TR. "First steps in the development of a water temperature model framework for refining the ecological reserve in South African rivers". <i>Water SA</i> . 2008. 34(5),585-596.	0.75
Sawunyama,T and Hughes,DA	
Sawunyama,T and Hughes,DA. "Application of satellite-derived rainfall estimates to extend water resource simulation modelling in South Africa". <i>Water SA</i> . 2008. 34(1),1-9.	1.00
Slaughter,AR, Palmer,CG and Muller,WJ	
Slaughter,AR, Palmer,CG and Muller,WJ. "A chronic toxicity test protocol using <i>Caridina nilotica</i> (Decapoda: Atyidae) and the generation of salinity toxicity data". <i>African Journal of Aquatic Science</i> . 2008. 33(1),37-44.	1.00
TOTAL	7.01

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
Proceedings of the second IASTED Africa Conference on Water Resource Management: science and technology innovation for sustainable development	Acute effects of the synthetic pyrethroid deltamethrin on the freshwater shrimp <i>Caridina Nilotica</i> (Roux)	Gola NP, Muller WJ

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Hughes	Sawunyama	D	3.0
TOTAL			3.0

INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH

The ISER successfully hosted the Rosa Luxemburg Annual Seminar in March. It was attended by over 100 guests including representatives from various government departments, NGO's, CBO's and academics from various Universities from all over the Eastern Cape and nationally. We also had international guests from Canada and Germany.

The ISER hosted our second Summer School in September attended by 35 grassroots activists from unions, NGO's and CBO's from around the Eastern Cape. This three and a half day School was funded by the Rosa Luxemburg Foundation. Presentations were made by ISER staff, Rhodes University academics and the Eastern Cape Socio Economic Consultative Council.

ISER hosted the Rhodes University/ISER Equity Seminar Series. Three workshops/seminars were held. The first one held in April was presented by Dr Avinash Govindjee who lectures in the Faculty of Law at the Nelson Mandela Metropolitan University. The second workshop held in August was presented by Prof Martin Hall, Deputy Vice Chancellor of the University of Cape Town. The third one held in November was presented by Prof Margaret Orr, Director of the Centre for Learning, Teaching, and Development at the University of the Witwatersrand.

As part of our community engagement contribution we conducted a representative survey of households in Rhini. The survey results on living conditions in Rhini, conducted by Prof Valerie Møller of the Quality of Life Studies is available in hard copy and online.

Our Researcher Dr Michelle Cocks was promoted to Senior Researcher at the Institute after successfully defending her PhD thesis at Wageningen University in The Netherlands.

We have seven Masters and five Doctoral students supervised/co-supervised/consulted by staff at the Institute.

PROFESSOR JEFF PEIRES
ACTING DIRECTOR OF INSTITUTE

BOOKS/CHAPTERS/MONOGRAPHS

Cocks,ML

Cocks,ML and Dold,AP. "Non-timber forest products – Medicinal plants". In: Africa's Dry Forests: Managing The Forests For Products And Services. First Edition. 2008.

Cocks,ML, Husselman,M and Sizani,N

Cocks,ML, Dold,AP, Husselman,M and Sizani,N. "New shoots, old roots - the incorporation of alien weeds into traditional food systems". In: Opportunities From Biocultural Diversity: Traditional Foods, Local Knowledge. First Edition. 2008.

Farrington,K

Farrington,K. "Exploring place amongst South African youth in a changing social context: using place-based methods to investigate local environments". In: Toxic Belonging: Identity And Ecology In Southern Africa. Cambridge Scholars Press. Cambridge. First Edition. 2008. 199-227. ISBN: 1-84718-514-2.

Wylie,D, Wright,L, Morison,T, Michell,L, Kirkaldy,A, Springer,M, Woodward,W, Gressier,C, Mulcock,J, Trigger,D, Farrington,K, Louw,P and Martin,J". Toxic Belonging? Identity And Ecology In Southern Africa. Cambridge Scholars Publishing. Cambridge. First Edition. 2008. 1-268. ISBN: 1-84717-514-2.

Huschka,D

Huschka,D. "GeisteswissenschaftlerInnen: kompetent, kreativ, motiviert – und doch chancenlos?" Solga,H, Huschka,D, Eilsberger,P and Wagner, G (Eds). Budrich Uni Press. Germany. First Edition. 2008. 144 pp.

Huschka,D. "Findigkeit in unsicheren Zeiten".Huschka,D, Solga,H, Wagner,Gert and Eilsberger, P (Eds). Budrich Uni Press. Germany. First Edition. 2008. 205 pp.

Møller,V and Huschka,D

Møller,V, Huschka,D and Michalos,AC. (Eds.) "Barometers of quality of life around the globe: how are we doing?". Springer. The Netherlands. First Edition. 2008. 238

Ruiters,G

Ruiters,G. "The State of the Eastern Cape".Ruiters, GD (Ed) *The State of the Eastern Cape*. HSRC Press. Cape Town. First Edition. 2008.

Ruiters,GD

Ruiters,GD. "Gender activism: perspectives of the South African transition, institutional culture & everyday life". Ruiters, G (Ed). Rhodes University Institute of Social & Economic Research. Grahamstown. First Edition. 2008. 246 pp.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Cocks,ML

Cocks,ML, Bangay,L, Shackleton,CM and Wiersum,KF. "'Rich man poor man' - inter household and community factors influencing the use of wild plant resources amongst rural households in South Africa". *International Journal of Sustainable Development and World Ecology*. 2008. 15(3),198-211.

Cocks,ML and Dold,AP. "The cultural use of the wild olive tree by the amaXhosa people in the Eastern Cape province of South Africa". *Journal for The Study of Religion, Nature and Culture*. 2008. 2(3),292-308.

Shackleton,CM, Paumgarten,F and Cocks,ML. "Household attributes promote diversity of tree holdings in rural areas, South Africa". *Agroforestry Systems*. 2008. 72(3),221-230.

Kelly,K

Nkomo,N, Kelly,K and Freeman,M. "Factors associated with prevalence of mental disorder in people living with HIV/AIDS in South Africa". *Aids Care*. 2007. 19(10),1201-1209.

Møller,V and Erstad,I

Møller,V, Theuns,P, Erstad,I and Bernheim,J. "The best and worst times of life: narratives and assessments of subjective well-being by Anamnestic Comparative Self Assessment (ACSA) in the Eastern Cape, South Africa". *Social Indicators Research*. 2008. 89(1),1-22.

Peires,J

Peires,J. "'At the entrance to science, as at the entrance to hell': historical priorities for South Africa in an age of deconstruction". *African Historical Review*. 2008. 40(1),58-76.

Peires,JB

Peires,JB. "Cry havoc! Thoughts on the deconstruction of Mhlakaza". *African Studies*. 2008. 67(2),233-255.

OTHER PUBLICATIONS

Cocks, M

Cocks, M and Dold, T. "Links between biological and cultural diversity – concepts, methods and experiences. Report of an International Workshop". In: Interdependence of biological and cultural diversity amongst the amaXhosa and Mfengu of the Eastern Cape, South Africa. Persic,A and Martin, G (Eds) UNESCO. Paris. 2007. 13.

Hamer,NG

Hamer,NG. "The energy demand requirements of SMMEs in the Eastern Cape". In: South African National Energy Research Institute (SANERI). Farrington, K (Ed) SANERI. Online. 2008. 1-59.

Møller,V

Dickow,H and Møller,V. "Let's face the world! Comparison between members of a new pentecostal/charismatic church and other christians in Gauteng". In: Religion on the move: exploring passages in South African christianity. Dickow,H and Hauser, A (Eds) International Centre for Human Sciences. Byblos, Lebanon. 2008. 77-98.

Peires,J, Mqingwana,V and Farrington,K

Peires,J, Mqingwana,V and Farrington,K. In: Chris Hani District municipality liberation heritage route, icon site guide. Peires,J and Mqingwana, V (Eds) Rhodes University. Grahamstown. 2008. 1-59.

Peires,J, Mqingwana,V and Farrington,K. In: Chris Hani District municipality umzila welifa leNkululeko, isiKhokelo samaZiko amaQhawe. Peires,J and Mqingwana, V (Eds) Rhodes University. Grahamstown. 2008. 1-59.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Husselman,M**

Shackleton,SE, Kassa,H, Husselman,M and Zida,M. "Forest-based enterprises in Africa's dry forests: where do women stand? ". *Sustainable forest management in Africa*. Not known, Stellenbosch. South Africa. November 2008.

Ruiters,G

Ruiters,G. "Feminism and class politics: opening remarks presented at ISER/Rosa Luxemburg seminar on feminism and everyday life". *Gender activism: perspectives on the South African transition, institutional culture & everyday life*. Rhodes University, Grahamstown. South Africa. March 2008.

Ruiters,G. "Municipal services and contemporary challenges for the Eastern Cape". *Congress of South African Trade Unions Policy Conference*. Halyards Hotel, Port Alfred. South Africa. August 2008.

Ruiters,G. "Intergovernmental relations: a critical perspective". *ISER-RLF Annual Summer School*. Rhodes University, Grahamstown. South Africa. September 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Husselman,M and Cocks,ML**

Wiersum,F, Husselman,M, Dold,TP and Cocks,ML. "Cultivation of medicinal plants as a tool for biodiversity conservation and poverty alleviation". *SANPAD Conference The Poverty Challenge: Poverty Reduction*. Fort Hare University, East London. SA. June 2007. 1.

Møller,V

Møller,V. "Strengthening intergenerational solidarity in South Africa in the time of HIV/AIDS". *World Ageing & Generations Congress*. University of St Gallen, St Gallen. Switzerland. August 2008. 28-30.

Møller,V. "Monitoring perceptions of social progress and pride of place in a South African community". *First International Sociological Association Forum, 'Sociological Research and Public Debate', Working Group 06 Social Indicators*. University of Barcelona, Barcelona. Spain. September 2008. 5-8.

Møller,V. "Addressing anomie in turbulent times". *International Symposium on 'Anomie and its Relevance to Development Practice'*. Swiss Academy for Development, Biel. Switzerland. November 2008. 6-7.

Møller,V. "Poverty and social protection: strengthening intergenerational solidarity". *United Nations International Institute on ageing and North-West University workshop on ageing in South Africa*. South African Human Rights Commission, Johannesburg. South Africa. December 2008. 8-13.

Dickow,H and Møller,V. "Let's face the world! Comparison between members of a new pentecostal/charismatic church and other christians in Gauteng ". *'Frontiers and Passages', Joint Conference of the African Studies Association in Germany (VAD) and the Swiss Society for African Studies (SGAS)*. University of Freiburg and Basel, Freiburg i.Breisgau and Basel. Germany and Switzerland. May 2008. 14-17.

Ruiters,G

Ruiters,G. "The privatisation of health: an overview of contemporary trends in Southern and Eastern Africa". *Capital Flows Seminar*. Paradise Hotel, Bagamoya. Tanzania. February 2008.

Ruiters,G. "Comparing alternatives in health and municipal services, methodological issues". *Municipal Service Project Seminar*. Greenwich University, London. United Kingdom. May 2008.

DISTINGUISHED VISITORS

Knight,A

Dr A Knight. Department of conservation ecology and entomology, University of Stellenbosch, Stellenbosch, South Africa. Overview ISER biocultural diversity research programme, including cooperation with Wageningen University, progress of cultural landscapes research project, discussion on scientific concepts and issues, discussion on options for future cooperation in upscaling project. Nov - Jan 2008.

Phillip,T

Mr T Phillip. Fort Cox College of Agriculture and Forestry, Fort Beaufort, South Africa. Overview ISER biocultural diversity research programme, including cooperation with Wageningen University, progress of cultural landscapes research project, discussion on scientific concepts and issues, discussion on options for future cooperation in upscaling project. Nov - Jan 2008.

JOURNAL SUBSIDY UNITS	UNITS
Cocks,ML	
<i>Shackleton,CM, Paumgarten,F and Cocks,ML.</i> "Household attributes promote diversity of tree holdings in rural areas, South Africa". <i>Agroforestry Systems</i> . 2008. 72(3),221-230.	0.34
<i>Cocks,ML, Bangay,L, Shackleton,CM and Wiersum,KF.</i> "Rich man poor man' – inter household and community factors influencing the use of wild plant resources amongst rural households in South Africa". <i>International Journal of Sustainable Development and World Ecology</i> . 2008. 15(3),198-211.	0.25
<i>Cocks,ML and Dold,AP.</i> "The cultural use of the wild olive tree by the amaXhosa people in the Eastern Cape province of South Africa ". <i>Journal for The Study of Religion, Nature and Culture</i> . 2008. 2(3),292-308.	0.50
Kelly,K	
Nkomo,N, <i>Kelly,K</i> and Freeman,M. "Factors associated with prevalence of mental disorder in people living with HIV/AIDS in South Africa". <i>AIDS Care</i> . 2007. 19(10),1201-1209.	0.34
Møller,V and Erstad,I	
<i>Møller,V and Erstad,I.</i> "Stigma associated with Tuberculosis in a time of HIV/AIDS: Narratives from the Eastern Cape, South Africa". <i>South African Review of Sociology</i> . 2008. (In Press).	1.00
Møller,V and Erstad,I	
<i>Møller,V, Theuns,P, Erstad,I and Bernheim,J.</i> "The best and worst times of life: narratives and assessments of subjective well-being by Anamnestic Comparative Self Assessment (ACSA) in the Eastern Cape, South Africa". <i>Social Indicators Research</i> . 2008. 89(1),1-22.	0.50
Peires,J	
<i>Peires,J.</i> "'At the entrance to science, as at the entrance to hell': historical priorities for South Africa in an age of deconstruction". <i>African Historical Review</i> . 2008. 40(1),58-76.	1.00
Peires,JB	
<i>Peires,JB.</i> "Cry havoc! Thoughts on the deconstruction of Mhlakaza". <i>African Studies</i> . 2008. 67(2),233-255.	1.00
TOTAL	4.93

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Atkinson	Helmuth	M	0.25
Atkinson	Martens	M	0.5
Kelly	Munthali	D	1.0
Pieres	White	M	1.0
Ruiters	Magoqwana	M	0.5
Ruiters	McMichael	M	0.25
Ruiters	Smith	D	3.0
TOTAL			5.5

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Toxic belonging: identity and ecology in southern Africa	Exploring place amongst South African youth in a changing social context: using place-based methods to investigate local environments	Farrington K

JOURNALISM AND MEDIA STUDIES

Of the 17 full-time teaching staff employed in the School of Journalism and Media Studies in 2008, 5 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 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 experience in media production 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 (both of these staff members are in the process of completing their PhDs). Forms of intellectual production other than scholarly publications included exhibitions and publication in a range of media, including Professor Berger's fortnightly on-line column in the *Mail & Guardian*. The total outputs for the Department of Journalism and Media Studies for 2008 was as follows: 4 book chapters; 14 journal articles; 9 other publications; 23 conference attendances.

At the start of 2009 we have 58 MA and four PhD students.

Highlights for 2008 include:

- Professor Fackson Banda received the Media Institute for Southern Africa (MISA) Press Freedom award. The award is given to honour excellence in journalism and the upholding of the ethics of the profession.
- Sipho January, the School's Outreach Officer, was placed first in the Media and Communications category at the Trufm Youth Awards.
- Ines Schumacher, a 4th year student, was runner up in the Trufm Youth Awards. She was the 2008 editor of the *Oppidan Press* student newspaper which runs a community engagement project mentoring high school learners in journalistic practice.
- For the second year running, fourth year Television Production students obtained the first three places in the student category of the annual SABC News Awards.
- In 2008 the School's Economics Journalism programme entered a new phase with the creation of the Centre for Economics Journalism in Africa (CEJA). The Centre developed an accredited post-graduate diploma in economics journalism, the first module of which was taught in 2009. During 2008 CEJA ran three short training courses for SABC radio and TV journalists, as well as courses on covering telecommunications companies for African journalists of the Highway Africa News Agency.
- 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 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 twelfth Highway Africa conference, with the theme 'Citizen Journalism, Journalism for Citizens', took place in September and was attended by 700 delegates from various African countries.
- The School hosted the first ever meeting of leading African journalism schools. The conference was funded by UNESCO and titled the Consultation Meeting on Capacity Building for Potential Centres of Excellence in Journalism Training in Africa.
- The Sol Plaatjie Institute won a number of research contracts. IREX, the Washington-based International Research and Exchange Board, funded an Africa-wide study of media freedom on the continent and the conditions necessary for the sustainability of media companies. A second research project, funded by South Africa's Media Development and Diversity Agency and the Open Society Foundation examined the business and editorial strategies of successful small-scale community radio stations in South Africa.

PROFESSOR LARRY STRELITZ
HEAD OF DEPARTMENT AND DEPUTY DEAN HUMANITIES

BOOKS/CHAPTERS/MONOGRAPHS

Banda,F

Banda,F. "Negotiating journalism ethics in Zambia: towards a 'glocal' ethics". In: *Media Ethics Beyond Borders: A Global Perspective*. Heinemann. Johannesburg. First Edition. 2008. 124-141. ISBN: 0796225869.

Berger,GJEG

Berger,GJEG and Barratt,E. "The extraordinary editor: a handbook for South Africa media leaders".Berger,G and Barratt, E (Eds). SANEF. Johannesburg. First Edition. 2008.

Boshoff,P and Prinsloo,J

Boshoff,P and *Prinsloo,J.* "Engendering childhood, concerning the content of South African television fiction". In: *African Media, African Children. The International Clearinghouse On Children, Youth And Media*. Sweden. First Edition. 2008. 69-82. ISBN: 978-91-89471-68-9.

Strelitz,LN and Boshoff,P

Strelitz,LN and *Boshoff,P.* "The African reception of global media". In: *The International Handbook of Children, Media and Culture*. Sage. London. First Edition. 2008. 237-253. ISBN: 978-1-4129-2832-8.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Banda,F

Banda,F. "Le développement des médias en Afrique: problèmes et perspectives". *Echos Du Cota*. 2008. 118,3-7.

Banda,F. "African political thought as an epistemic framework for understanding African media". *Ecquid Novi-African Journalism Studies*. 2008. 29(1),79-99.

Banda,F. "Deconstructing media coverage of development". *Media Development*. 2008. 55(1),30-34.

Berger,G

Berger,G. "A paradigm in process: what the scapegoating of Vusi Mona signalled about South African journalism". *Communicatio*. 2008. 34 (1),1-20.

Berger,G. "Sing a swansong for SABC as we know it". *Rhodes Journalism Review*. 2008. 28,32-33.

Berger,GJEG

Berger,GJEG. "Why the 1977 clampdown compels us to champion the constitution". *Institute of The Advancement of Journalism (Iaj) Journal*. 2008. 25-32.

Berger,GJEG. "Towards defining 'potential centres of excellence' in African journalism training". *Journalism Practice (Sage)*. 2008. 2(2),147-162.

Berger,GJEG. "From content to conversation: can cellphones be used for journalism?". *Rhodes Journalism Review*. 2008. 28,70-71.

Brand RC

Brand,RC. "The price of freedom: South African media in 2008". *Rhodes Journalism Review*. 2008. 28,31.

Brand,RC. "The numbers game: a case study of mathematical literacy at a South African newspaper". *Communicatio: South African Journal for Communication Theory and Research*. 2008. 34(1),210-221.

Ndangam,LN

Ndangam,LN. "Free lunch? Cameroon's diaspora and online news publishing". *New Media and Society*. 2008. 10(4),585-604.

Prinsloo,J and Boshoff,P

Prinsloo,J, Gotz,MJ and *Boshoff,P.* "Gender in children's television worldwide". *Television*. 2008. 21(E),4-9.

Rau,A, Milne,C, Du Toit,P and Mdlongwa,F

Rau,A, Milne,C, Du Toit,P and Mdlongwa,F. "Positioning independent community media: findings from a case study of six small South African newspapers". Communicatio. 2008. 34(1),95-112.

Strelitz,LN

Strelitz,LN. "Biography, media consumption, and identity formation". Qualitative Sociology Review. 2008. 4(2),63-82.

OTHER PUBLICATIONS

Banda,F

Banda,F. "An overview of pan-African media development initiatives: problems and prospects". In: Revenue generation for robust African media: practical ideas, experiences and innovations of frontline managers. Mdlongwa, F (Ed) Konrad Adenauer Stiftung. Johannesburg. 2008. 2-9.

Garman,AC

Garman,AC. "No I don't buy the explanation". In: Grocott's Mail. Lang, S (Ed) Grocott's Mail Printing and Publishing. Grahamstown. 2008. 6.

Garman,AC. "We've got a lot to worry about: winter school speakers call for citizens to wake up and save SA's precious institutions from a government turned party". In: Cue. Rennie,G and Accone, D (Eds) Rhodes University. Grahamstown. 2008. 9.

Garman,AC. "Yak, yak, yak... it's under attack". In: Cue. Rennie,G and Accone, D (Eds) Rhodes University. Grahamstown. 2008. 8.

Hills,PR

Hills,PR. "Highway Africa Report (Maggs on media)". In: Highway Africa Report (Maggs on media). Maggs, J (Ed) eTV. International. 2008. 1.

Hills,PR. "Pirates Pizza (Maggs on media)". In: Pirates Pizza (Maggs on media). Maggs, J (Ed) eTV. International. 2008. 1.

Hills,PR. "Jazz at the Beethoven (DVD/audio CD)". In: Jazz at the Beethoven (DVD/audio CD). Nesbitt Hills, C (Ed) Rhodes Music School. Grahamstown. 2008. 1.

Hills,PR. "11 Commitments: development video (PSA series)". In: 11 Commitments: development video (PSA series). Unicef (Ed) UNICEF. Angola. 2008. (In Press).

Mdlongwa,F

Mdlongwa,F. In: Revenue generation for robust African media: practical ideas, experiences and innovations of frontline managers. Mdlongwa, F (Ed) Sol Plaatje Institute for Media Leadership. Grahamstown. 2008. 1-74.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Brand,RC

Brand,RC. "Teaching economics journalism: why? what? who for?" Journalism education and training: the challenges. University of Stellenbosch, Stellenbosch. South Africa. October 2008.

Garman,AC

Garman,AC. "Global resonance, local amplification: Antjie Krog on a world stage". Paradoxes of the Postcolonial Public Sphere: South African Democracy at the Crossroads. Wits, Johannesburg. South Africa. January 2008.

Prinsloo,J

Prinsloo,J. "Research findings analysing South African TV screened for children". *Children's Television Worldwide*. Geena Davis Institute on Gender in Media , Los Angeles. United States of America. January 2008.

Prinsloo,J. "Representations of women in the media". *Rosa Luxembourg Annual Seminar*. Rhodes University, Grahamstown. South Africa. March 2008.

Prinsloo,J. "Visual literacy in the 21st century". *Teaching Learning and Assessment in the 21st Century (IEB conference)*. Birchwood Conference Centre, Boksburg. South Africa. August 2008.

Prinsloo,J. "Same lenses, different angles: analysing media texts here and now ". *The South African Communication Association 2008 Conference: Communicating in a Global Village, Muldersdrift*. The University of Pretoria, Pretoria. South Africa. September 2008.

Strelitz,LN

Strelitz,LN. "Thinking about South African tabloid newspapers". *Paradoxes of the Postcolonial Public Sphere: South African Democracy at the Crossroads*. Wits, Johannesburg. South Africa. January 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Banda,F**

Banda,F. "Media and good governance". *General Conference of the Commonwealth Broadcasting Association (CBA)*. Nassau, Nassau. The Bahamas. January 2008.

Banda,F. "The challenge of African journalism education in the age of global terrorism". *Media's Role For Democratization In Post-Conflict Countries In The Age Of The 'Global War on Terrorism'*. Orebro University, Orebro. Sweden. March 2008.

Banda,F. "The African Media Initiative (AMI)". *UNESCO World Press Freedom Day*. N/A, Maputo. Mozambique. May 2008.

Banda,F. "African media and the challenge of development". *Bill & Melinda Gates Foundation Convening on African Media and Development*. N/A, Seattle, Washington. United States of America. June 2008.

Banda,F. "China in the African mediascape: a critical interjection". *CAMRI Conference on China in Africa*. University of Westminster, London. United Kingdom. September 2008.

Banda,F. "Media and democracy in Africa". *The Ditchley Foundation/BBC World Service Conference on Media and Democracy*. Enstone, Oxfordshire. England. December 2008.

Banda,F and Berger,F

Banda,F and Berger,F. "How to assess your media landscape". *2nd Global Forum for Media Development (GFMD) Athens World Conference*. N/A, Athens. Greece. December 2008.

BERGER,G

BERGER,G. "What is there in media for poor women and men?". *Whose Voices? Media and Pluralism in the Context of Democratisation*. Uppsala, Uppsala. Sweden. January 2008. 76-87.

Brand,RC

Brand,RC. "Journalism education as a transformative social intervention: a case study of an economics journalism curriculum". *Paris International Conference on Education, Economy and Society*. Novotel Eiffel, Paris. France. July 2008.

Garman,AC

Garman,AC. "The new South African citizen: a transnational, affected, damaged subject". *CRESC Conference on Cultural Citizenship*. St Hugh's College, Oxford. United Kingdom. September 2008.

Garman,AC. "Antjie Krog, the 'African', Afrikaans, South African intellectual". *African Intellectuals and Decolonisation Conference*. Ohio University, Athens, Ohio. United States of America. October 2008.

Prinsloo,J

Prinsloo,J. "Messages from the people: analysing the responses to the Zuma rape trial in the Sowetan newspaper". *IAMCR World Congress: Media and Global Divides*. Stockholm University, Stockholm. Sweden. July 2008.

Strelitz,LN

Strelitz,LN. "The African reception of global media". *Annual International Communications Association (ICA)*. University of Montreal, Montreal. Canada. May 2008.

Strelitz,LN. "Biography, media consumption and identity formation". *Annual Cultural Studies at the Crossroads Conference*. University of Kingston, Kingston. Jamaica. July 2008.

Strelitz,LN. "Biography and Media Consumption". *International Forum of Media and Children's Culture*. Zhejiang Normal University, Zhejiang. China. October 2008.

Strelitz,LN. "The narrative interview as a method in researching media consumption". *International Seminar on Media and Youth*. Shanghai International Studies University, Shanghai. China. October 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Banda,F**

Banda,F. Session Moderator. "Teacher training curricula for media and information literacy: report of the international expert group meeting". UNESCO International Expert Group Meeting on Teacher Training Curricula for Media and Information Literacy. N/A. Paris, France. 16 - 18 June 2008.

Hills,PR

Hills,PR. Executive Producer. "First On-line RUTV Documentary Film Festival (<https://Zoopy.com/rutv>)". First On-line RUTV Documentary Film Festival (<https://Zoopy.com/rutv>). International. September 2008.

Hills,PR. Convenor. "3rd RUTV Documentary Film Festival". 3rd RUTV Documentary Film Festival. Roxbury Cinema. Grahamstown, South Africa. September - June 2008.

Prinsloo,J

Prinsloo,J. Presented a Paper. "Why on earth are tabloids in our classrooms?". Networking: Eastern Cape English Teachers. Rhodes University. Grahamstown, South Africa. 26 - 28 March 2008.

JOURNAL SUBSIDY UNITS	UNITS
Banda,F	
Banda,F. "African political thought as an epistemic framework for understanding African media". <i>Ecquid Novi-African Journalism Studies</i> . 2008. 29(1),79-99.	1.00
Brand,RC.	
Brand,RC. "The numbers game: a case study of mathematical literacy at a South African newspaper". <i>Communicatio: South African Journal for Communication Theory and Research</i> . 2008. 34(1),210-221.	1.00
Ndangam,LN	
Ndangam,LN. "Free lunch? Cameroon's diaspora and online news publishing". <i>New Media and Society</i> . 2008. 10(4),585-604.	1.00
Strelitz,LN	
Strelitz,LN. "Biography, media consumption, and identity formation". <i>Qualitative Sociology Review</i> . 2008. 4(2),63-82.	1.00
TOTAL	4.00

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Berger	Hamasaka	M	0.5
Berger	Mayiga	M	0.5
Berger	Senthebane	M	0.5
Brand	Marquis	M	0.5
Brand	Mudzamiri	M	0.5
Cockcroft	Kemp	M	0.5
Du Toit	Ellis	M	0.5
Prinsloo	Dewa	M	0.5
TOTAL			4.0

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
The International Handbook of Children, Media and Culture	The African reception of global media	Strelitz LN, Boshoff P
Media ethics beyond borders: a global perspective	Negotiating journalism ethics in Zambia: towards a 'global' ethics	Banda, F

LAW

Although the Faculty has experienced a slight decline in its research output, in 2008 it was able to produce 12 Conference papers, 4 of them at international conferences, 4 Chapters in books and a total of 9 peer reviewed articles. We continue our monthly research colloquia at which staff members would give presentations that culminate into publications. We also continued on collaborative postgraduate research meetings with Fort Hare and Nelson Mandela Metropolitan University where Masters' students and staff read papers on their research projects. All in all it has been a relatively productive research year.

PROFESSOR RB MQEKE
ACTING DEAN AND HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Driver,S

Driver,S. "KERNICK LA: Administration of estates and drafting of wills". *Stellenbosch Law Review*. Juta. Lansdowne. First Edition. 2007. 18(3), 528-529. ISBN: 1016-4359.

Kruuse,H

Kruuse,H and Kruuse,J. "Social services and benefits". *Family Law Service*. LexisNexis. Durban. First Edition. 2008. 50(K), 1-115. ISBN: 0409015547.

Midgley,R

Midgley,R. "Fault under the *actio iniuriarum*: Custer's last stand?". In: *Vita perit, labor non moritur. Liber memorialis: PJ Visser*. LexisNexis. Durban. First Edition. 2008. 187-208. ISBN: 978-0409-04500-0.

Mqeke,RB

Mqeke,RB. "Lawmaking in the new South Africa". In: *Lawmaking For Development: Explorations Into The Theory And Practice Of International Legislative Projects*. Leiden University Press. Netherlands. First Edition. 2008. (8), 199-215. ISBN: 978-90-8728-046-8.

Van Coller,EH

Van Coller,EH. "Administrative law". In: *Introduction to South African Law*. Prentice Hall. South Africa. First Edition. 2008. 277-288. ISBN: 978-18689-1989-5.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

De Vos,W

De Vos,W. "The jury trial: English and French connections". *Tydskrif Vir Die Suid-Afrikaanse Reg*. 2008. 2008(2),196-202.

Glover,G

Glover ,G and Beard,M. "Jantjie v Minister of Labour: Failure of an attorney to sign a notice of motion". *De Jure*. 2008. 41(3),648-654.

Kerr,AJ

Kerr,AJ. "The defence of unfair conduct on the part of the plaintiff at the time the action is brought: the exceptio doli generalis and the replication doli in modern law". *South African Law Journal*. 2008. 125(2),241-248.

Midgley,R

Midgley,R. "Delict 2007(4): Juta's Quarterly Review of South African Law". *Juta's Review of South African Law*. 2008. 2007(4), <http://products:jutalaw.co.za>.

Midgley,R. "Delict 2008(1): Juta's Quarterly Review of South African Law". *Juta's Review of South African Law*. 2008. 2008(1), <http://products:jutalaw.co.za>.

Van Coller,EH

Van Coller,EH. "Transformasie en die regbank: onafhanklikheid in gedrang?". *Acta Academica*. 2008. 40(3),163-185.

Van Coller,EH. "The legal personality of churches: a legal perspective (Die regspersoonlikheid van kerke: 'n juridiesie perspektief)". *Ngth Ned Geref Teologiese Tydskrif*. 2008. 49(1 & 2),150-160.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

i. Local Conferences

Campbell,J

Campbell,J. "The exorbitant cost of small credit in terms of the National Credit Regulations". *The Society of Law Teachers of Southern Africa Conference*. University of Pretoria, Pretoria. South Africa. January 2008.

Davies,L and Barker,G

Davies ,L and Barker,G. "A reflection on the impact of the academic review process on the Law faculty at Rhodes University". *The Society of Law Teachers of Southern Africa Conference*. University of Pretoria, Pretoria. South Africa. January 2008.

Kruger,R

Kruger,R. "Unfair discrimination: revisiting Harksen". *The Society of Law Teachers of Southern Africa Conference*. University of Pretoria, Pretoria. South Africa. January 2008.

Kruuse,H

Kruuse,H. "State versus Mashumpa: a very strange tale". *The Society of Law Teachers of Southern Africa Conference*. University of Pretoria, Pretoria. South Africa. January 2008.

Midgley,R

Midgley,R. "A modern-day approach to the *actio de pauperie*?". *The Society of Law Teachers of Southern Africa Conference*. University of Pretoria, Pretoria. South Africa. January 2008.

Midgley,R. "In search of delict's soul?". *Law of Delict Colloquium*. University of Free State, Bloemfontein. South Africa. February 2008.

Mqeke,RB

Mqeke,RB. "Transformation of customary law by traditional leaders: is it feasible?". *Post Graduate Research Workshop*. Rhodes University, Grahamstown. South Africa. March 2008.

Mqeke ,RB. "The role of traditional leaders and customary law in the fight against HIV/AIDS". *Ubuntu Institute Workshop*. Ubuntu Institute, Pretoria. South Africa. November 2008.

Van Coller,EH

Van Coller,EH. "The European ombudsman, the African commission and the principles of good governance". *Annual Law Conference for the Universities of the Eastern and Western Cape*. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. January 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

ii. International Conferences

De Vos,W

De Vos,W. "Transnational group actions: report and draft resolutions". 73rd Biennial International Conference of the International Law Association: Law for the Future. Intercontinental Hotel, Rio de Janeiro. Brazil. August 2008.

Driver,S

Driver,S. "The academic reality of the commercialisation of university research". IPED Conference. Coventry University, Coventry. United Kingdom. September 2008.

Kruuse,H

Kruuse ,H. "A South African response to ethics in legal education". Third International Ethics Conference. Sheraton Hotel, Gold Coast. Australia. July 2008.

Van Coller,EH

Van Coller,EH. "Freedom of religion: a charter of religious rights for South Africa". 15th Annual Conference on Law and Religion. Brigham Young University, Provo. Utah. October 2008.

Van Coller,EH. "Ombudsman institutions: an effective alternative to the courts in promoting principles of good governance?". Cambridge University and The Chinese University of Hong Kong - "Effective judicial review: a cornerstone of good governance". Chinese University, Hong Kong. China. December 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Midgley,R, Roberts,L and Kruuse,H**

Midgley,R, Roberts,L and Kruuse,H. Presentation. "Legal education and development update training sessions". Midgley, R - Law of Delict, Roberts, L - The Law of Criminal Procedure and Evidence, Kruuse, H - Family Law. Mthatha. Mthatha, South Africa. 7 April 2008.

Midgley,R, Roberts,L and Kruuse,H. Presentation. "Legal education and development update training sessions". Midgley, R - Law of delict, Roberts, L -The law of criminal procedure and evidence, Kruuse, H - Family law. Oudtshoorn Inn. Oudtshoorn, South Africa. 14 April 2008.

Midgley,R, Roberts,L and Kruuse,H. Presenters. "Legal education and development update training sessions". Midgley, R - Law of delict, Roberts, L - The law of criminal procedure and evidence, Kruuse, H - Family law. Golf Estate. Paarl, South Africa. 15 April 2008.

JOURNAL SUBSIDY UNITS	UNITS
Glover ,G	
<i>Glover ,G and Beard,M. "Jantjie v Minister of Labour: Failure of an attorney to sign a notice of motion". De Jure. 2008. 41(3),648-654.</i>	0.50
Kerr,AJ	
<i>Kerr,AJ. "The defence of unfair conduct on the part of the plaintiff at the time the action is brought: the exceptio doli generalis and the replication doli in modern law ". South African Law Journal. 2008. 125(2),241- 248.</i>	1.00
Van Coller,EH	
<i>Van Coller,EH. "Transformasie en die regbank: onafhanklikheid in gedrang?". Acta Academica. 2008. 40(3),163-185.</i>	1.00
<i>Van Coller,EH. "The legal personality of churches: a legal perspective (Die regs persoonlikheid van kerke: 'n juris diesie perspektief)". Nggt Ned Geref Teologiese Tydskrif. 2008. 49(1 & 2),150-160.</i>	1.00
TOTAL	3.50

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Barker	Moutzouris	M	0.5
Driver	McConnachie	M	0.33
Glover	Woker	D	3.0
Holness	Moutzouris	M	0.5
Midgley	Dube	M	1.0
Midgley	Kruger	D	3.0
Renaud	Oosthuizen	M	1.0
Roberts	Gewald	M	1.0
TOTAL			10.33

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Lawmaking for development: explorations into the theory and practice	Lawmaking in the new South Africa	Mqeke, RB

LIBRARY

Whilst one of the primary roles of the Rhodes University Library is to support the university's research programmes by means of its information services, collections and access to electronic resources, it is pleasing to note that a number of library staff continue to be active contributors to the research enterprise, across applied library and information activities, through national and international conferences attendance, presentations and publications.

Digital Repository

In 2006, the RUL launched an open access digital repository called the Rhodes eResearch Repository (ReRR) to archive and provide access to theses (currently 444 available) and encourage academics/researchers to submit publications. During 2008 the ReRR, once again, proved to be a useful tool for gaining access to Rhodes University's e-research articles and theses. There were over 320,000 visits to the digital repository (approximately 300% increase over 2007) and over 440,000 downloads of articles, papers and theses (approximately 400% increase). The ReRR Team was also pleased that the repository reached the 1,000 mark with approximately 1020 items archived in the repository by the year-end. One disappointing performance factor was that almost one-third of the electronic theses submitted were not supported by the requisite *e-Access approval form* that grants permission to upload the thesis to the institutional repository (Table 1).

The RUL is working in close collaboration with the Research Office to design improved procedures to strengthen the digital repository as a tool among researchers at Rhodes University. This included increased collaboration with the Research Office to design procedures that can strengthen the digital repository as a tool among researchers at the institution, streamlining current submissions for e-theses in consultation with Faculty and the Registrar as well as encouraging self-archiving among researchers.

Table: 1 RHODES eRESEARCH REPOSITORY: ANNUAL 2007/2008		
	2007	2008
ETDs deposited	129	130
Research articles deposited	177	175
No. of visits to ReRR	89 702	323 729
Documents downloaded	129 885	444 211

Table: 2 ELECTRONIC THESES: 2007-2008							
Year of Graduation	Total number of Rhodes theses submitted	No of theses submitted in electronic format	No of electronic theses submitted in PDF format	Submitted with out forms or incomplete forms	Faulty/Incomplete electronic	Open access to full text on ReRR	Hold on access
2007	196	113	88	25	4	81	19
2008	176	149	122	46	11	73	25
TOTAL	1 539	958	553	129	78	444	99

In a ranking of world repositories, the ReRR is rated among the top 300 digital repositories (no. 246) together with the University of Pretoria (no. 168) and Stellenbosch University (no.272) (<http://repositories/webometrics.info/top300.rep.asp>).

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.

Digitization of Local Content

Digitisation of local content is an area where the Library has a growing reputation within the university and nationally for supporting the use of digital content in teaching, learning and research. During 2008, the Library continued to work in close co-operation with several partners to digitize local content that can be used for research and teaching purposes. The Library is particularly proud of its contribution towards the ILAM/South African Music Access project (SAMAP funded by the NRF and Digital Innovation South Africa), which completed in late 2008, comprises some 14,000 sound files with metadata available via Internet access (<http://ilam.ru.ac.za>). In addition, the Library provided ongoing support for digitizing ILAM collections including manuscript materials and ILAM's journal *African Music* (outside of the SAMAP scope). This included metadata training and consultation, project management consultation as well as technical advice.

The Cory Library in partnership with Digital Innovation South Africa (DISA with funding from Andrew W Mellon) continued with further digitization of local content relating to the South African Freedom Struggles c1950-1994. Phase I, completed in the first half of 2008, comprised 1891 digital images of manuscript materials with 242 sets of metadata records. Phase II saw a further 1394 digital images of the Study Project on Christianity in Apartheid Society (SPRO-CAS) reports added to this valuable research collection.

Another important local collection digitization initiative was a joint project between the Rhodes University Library and Africa Media Online (funded by the EU) to digitize 1,000 selected photographs from the photo collection housed in the Cory Library. Most of these photographs date back as far as the early 19th Century and they cover important subject areas such as the history and politics of the Eastern Cape; early history of Grahamstown; Xhosa culture and customs; historical figures within the Eastern Cape and Eastern Cape Missionary history. By the close of 2008, approximately 50 percent of the photograph were digitized with 880 metadata records created. The project provided the opportunity for the Librarians to conduct research about selected photographs, thereby enhancing the research value of local collections. Besides increasing the awareness and visibility of these valuable research collections available in the Eastern Cape, digital content access is an important preservation measure that reduces the physical handling of original, valuable, rare, fragile and frequently used collections.

MS GWENDA THOMAS
DIRECTOR: LIBRARY SERVICES

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Kabwato,S

Kabwato,S. "Preserving archival collections in the Cory Library for historical research: challenges and achievements". *Journal of The Eastern and Southern Africa Regional Branch of the International Council on Archives*. 2008. 27,116-127.

Thomas,GME

Thomas,GME. "Evaluating the impact of the institutional repository, or positioning innovation between a rock and a hard place". *New Review of Information Networking*. 2007. 13(2),133-146.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Shepherd,E

Shepherd,E. "Moodle/RU connected: streamlining library in-service training ". *National Library IT Event 2008*. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. May 2008.

Thomas,GME

Thomas,GME. "Redesigning for the next generation libraries, or transformation and the new reality about libraries". *Annual Library and Information Services Research Symposium*. Unisa Conference Centre, Johannesburg. South Africa. July 2008.

Thomas,GME and Berger,J

Thomas,GME and Berger,J. "Digitisation and library collections: critical issues and challenges ". *National Library IT Event 2008*. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. May 2008.

Vermaak,I

Vermaak,I. "Metadata builder in creating Dublin Core records for the Cory Library ". *Innovative User Group: South Africa (IUG-SA) 2008*. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. November 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Thomas,GME**

Thomas,GME. "South Africa and the second decade of democracy: what makes our libraries special?". *OCLC Members' Council Meeting 2008*. Kilgour Conference Centre, Dublin. United States of America. October 2008.

MANAGEMENT

The Department of Management continued to build on its previous research achievements. Achieving the research output in 2008 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 proud of the following achievements:

- A detailed exposition of the Departmental research contributors and output during 2008 is provided at the end of this report. As evident from this detailed account, the Department of Management is proud of its overall research achievements, namely:
 - A textbook on Human Resource Management was edited and co-authored by Mr Trevor Amos;
 - The third South African edition on Management was published in 2008 with 5 chapters authored by Prof Lynette Louw and 3 chapters authored by Mr Trevor Amos;
 - Fifteen Journal Articles of which 9 were published and 6 submitted for review;
 - Additional publications include an article in the Sunday Times by Dr Guillaume Johnson and a paper published by Prof Lynette Louw in the Internationalisation and Multiculturalism Colloquium Series; and
 - Seventeen conference papers were delivered of which 15 were international and 2 national.
- Prof Lynette Louw was invited to give a keynote address at the Sixth International Conference of World Association for Sustainable Development (WASD).
- 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 and a visit by Prof Lynette Louw to the Department of Management at the University of Botswana in Gaborone. The purpose of the international visit to Botswana was to initiate a research and teaching collaboration in Entrepreneurship between the University of Botswana, Utrecht University in the Netherlands, Rhodes University and the University of Stellenbosch.
- An integrated structure for researching various aspects of cross-cultural communication and management across Africa has been established between five universities which are located in South Africa, Europe and the USA, namely Rhodes University, Nelson Mandela Metropolitan University, California State University, Fullerton, and University of Mississippi, both in the USA, and Nuertingen-Geislingen University in Germany. As South African member of the steering committee for this collaborative project, Prof Lynette Louw facilitated research projects in this regard.
- Prof Lynette Louw and Mr Trevor Amos have assisted the NRF in evaluating applications for NRF rating as well as proposed research projects. Prof Lynette Louw also served 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 2008 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 was also appointed to the editorial review board of Southern African Journal of Entrepreneurship and Small Business Management.
- Prof Lynette Louw serves on the international editorial advisory board for the International Colloquium on Business and Management and was a member of the international organising committee and track co-chair for the 6th International Conference of World Association for Sustainable Development held at the University of Sussex, Brighton, UK. She served as conference chair and a discussant at the Business Economics Society International conference in Lugano, Switzerland.
- Mr Theus Louw reviewed papers for the following conferences namely, Business Economics Society International and the 13th Biennial Eastern Academy of Management International Conference to be held in 2009. He also reviewed papers for the Global Business & Economics Anthology, conference proceedings for Business Economics Society International. Conference papers were reviewed by Prof Lynette Louw for the following conferences: Southern Africa Institute for Management Scientists; World Association for Sustainable Development; Academy of Marketing Science Annual Conference to be held in 2009; Business Economics Society International; the 13th Biennial Eastern Academy of Management International Conference, to be held in 2009. She also reviewed papers for the Global Business & Economics Anthology, conference proceedings for the Business Economics Society International.

- Credit is given to all the Departmental members and Dr Claude Mayer who contributed towards the Department of Management's research achievements in 2008.

PROFESSOR LYNETTE LOUW
HEAD OF DEPARTMENT: MANAGEMENT

BOOKS/CHAPTERS/MONOGRAPHS

Amos,TL

Amos,TL. "Groups and teams in organizations". In: Management: Third South African edition. Oxford South Africa. Cape Town. Third Edition. 2008. 0(0), 371-393. ISBN: 978-0-19-598216-9.

Amos,TL. "Motivating for performance". In: Management: Third South African Edition. Oxford South Africa. Cape Town. Third Edition. 2008. 0(0), 265-290. ISBN: 978-0-19-598216-9.

Amos,TL. "The nature of leadership". In: Management: Third South African edition. Oxford South Africa. Cape Town. Third Edition. 2008. 0(0), 290-318. ISBN: 978-0-19-598216-9.

Amos,TL, Pearse,NJ, Ristow,A and Ristow,L. "Human Resource Management". Juta and Company Ltd. Cape Town. Third Edition. 2008. 1-430. ISBN: 978-0-702-1-7283-0.

Louw,L

Louw,L. "Fundamentals of decision making". In: Management: Third South African edition. Oxford South Africa. Cape Town. Third Edition. 2008. 0(0), 157-180. ISBN: 978-0-19-598216-9.

Louw,L. "Managerial competencies". In: Management: Third South African edition. Oxford South Africa. Cape Town. Third Edition. 2008. 0(0), 21-47. ISBN: 978-0-19-598216-9.

Louw,L. "Organizational communication". In: Management: Third South African edition. Oxford South Africa. Cape Town. Third Edition. 2008. 0(0), 321-346. ISBN: 978-0-19-598216-9.

Louw,L. "Organizational cultures and workforce diversity". In: Management: Third South African edition. Oxford South Africa. Cape Town. Third Edition. 2008. 0(0), 371-397. ISBN: 978-0-19-598216-9.

Louw,L. "The development of management thought". In: Management: Third South African edition. Oxford South Africa. Cape Town. Third Edition. 2008. 0(0), 49-76. ISBN: 978-0-19-598216-9.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Amos,TL

Amos,TL and Pearse,NJ. "Pragmatic research design: an illustration of the use of the Delphi Technique". *The Electronic Journal of Business Research Methods*. 2008. 6(2), www.ejbrm.com.

Cox,A and Amos,TL

Cox,A, Amos,TL and Baxter,J. "What future subordinates will value in their leaders: an exploratory study". *Journal of Contemporary Management*. 2008. 5,72-89.

Hayward,BA and Amos,TL

Hayward,BA, Amos,TL and Baxter,J. "Employee performance, leadership style and emotional intelligence: an exploratory study in a South African parastatal". *Acta CommercII*. 2008. 8,15-26.

Louw,L

Louw,L and Jackson,T. "Managing culture and change in South African organisations: the way forward for sub-Saharan Africa?". *Africanus: Journal of Development Studies*. 2008. 38(1),29-42.

Louw,L and Mayer,CH

Louw ,L and Mayer,CH. "Internationalisation at a selected university in South Africa". *South African Journal of Higher Education*. 2008. 22(3),615-628.

Louw,L and Van Tonder,D

Louw,L and Van Tonder,D. "Best business practices in the South African independent financial advisor's practice: An exploratory study". *Academy of Banking Studies Journal*. 2008. 7(2),59-68.

Mayer,CH

Mayer,CH. "South African insights on conflict and its management". *Africa Working Group*. 2008. 1(0), www.africaworkinggroup.org

Mayer,CH. "Identity and health in transcultural mediation. The model of culture-synergetic transcultural mediation and its impacts". *Journal of Intercultural Communication*. 2008. 17(0), www.immi.se/intercultural/

Mayer,CH and Louw,L

Mayer,CH, Boness,C and Louw,L. "The impact of value orientations on cross cultural encounters and mediation. A survey in Tanzania's educational system". *African Journal of Conflict Resolution*. 2008. 8(1),39-76, 167.

OTHER PUBLICATIONS**Johnson,GD**

Johnson,GD. "Vodacom's slurs on other Africans say more about SA". In: The Sunday Times. Makhanya, M (Ed) Johnnic. South Africa. 2008.

Louw,L

Louw,L. "The impact of internationalisation on the multicultural environment at Rhodes University". In: Internationalisation and Multiculturalism Colloquium Series. Jooste,N and Neale-Shutte, M (Eds) NMMU Office for International Education. South Africa. 2008. 4, 50-73. ISBN: 978-1-920176-32-7.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Johnson,GD**

Johnson ,GD. "Impact of media content on the effectiveness of multi-racial advertising: a vicarious learning approach". *20th Annual Conference and 21st Birthday Festival of the Southern Africa Institute for Management Scientists (SAIMS)*. Misty Hills Hotel , Muldersdrift. South Africa. September 2008. 4. 1111-1116.

Louw,L

Louw,L. "The impact of internationalisation on the multicultural environment at Rhodes University". *Nelson Mandela Metropolitan University Office for International Education colloquium*. Nelson Mandela Metropole University, Port Elizabeth. South Africa. August 2007.

Louw,L, Bosch,JK, Venter,DJL and Roos,C. "The development of management competencies and quality of tuition as perceived by graduates in the business and economic sciences". *20th Annual Conference and 21st Birthday festival Southern African Institute for Management Scientists (SAIMS)*. Misty Hills Conference Centre, Muldersdrift. South Africa. September 2008. 1. 300-326.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences**

Amos,TL

Amos,TL and Pearse,NJ. "The Delphi technique and educating entrepreneurs for the future". *7th European Conference on Research Methodology for Business and Management Studies*. Regent's College, London. United Kingdom. June 2008. 17-24.

Pearse,NJ and Amos,TL. "The Delphi Technique and educating entrepreneurs for the future". *The 7th European Conference of Research Methods*. Regents College, London. United Kingdom. June 2008. 17-24.

Chikumba,S

Chikumba,S. "A critical evaluation of curriculum-assessment-outcomes alignment issues in engineering student industrial internship programme in faculty of industrial technology at Nust in Zimbabwe". *7th ASEE Global Colloquium on Engineering Education*. International Convention Centre, Cape Town. South Africa. October 2008. 128.

Chikumba,S. "Teaching and assessment of engineering disciplines for life-long learning". *7th ASEE Global Colloquium on Engineering Education*. International Convention Centre, Cape Town. South Africa. October 2008. 129.

Haig,LJ, Makomva,CSM, Patel,M and Amos,TL

Haig,LJ, Makomva,CSM, Patel,M, Amos,TL and Pearse,NJ. "Celebrity athlete endorsement and consumer choice in a South African context: an exploratory study". *3rd Biennial Conference of the Academy of World Business, Marketing and Management Development*. Brazilian School of Public and Business Administration, Rio de Janeiro. Brazil. July 2008. 357-361.

Pearse,NJ, Haig,LJ, Makomva,CSM, Patel,M and Amos,TL. "Celebrity athlete endorsement and consumer choice in a South African context: an exploratory study". *The 3rd Biennial Academy of World Business Marketing and Management Development Conference (AWBMAMD)*. Rio de Janeiro. Brazil. July 2008.

Jere,AK

Jere,AK and Jere,MG. "A theoretical framework for explaining the moderating role of the institutional context on advertising effects in emerging markets: the case of South Africa". *9th Annual International Conference: International Academy of African Business and Development*. University of Florida, Gainesville. United States of America. May 2008. 699-706.

Johnson,GD

Johnson,GD and Elliott,RM. "Targeting without alienating: cultural targeting in France in compliance with the republican model". *Academy of Marketing Science 2008 Cultural Perspectives in Marketing Conference*. Royal Sonesta Hotel , New Orleans. United States of America. January 2008. 52.

Louw,L

Louw,L. "Partnering to promote sustainable agribusiness models: a case in South Africa". *Sixth International conference of World Association for Sustainable Development (WASD)*. Holiday Inn, Brighton. United Kingdom. August 2008.

Louw,L and Louw,MJ

Louw,L, Louw,MJ and Lategan,F. "Managerial competencies for game ranch management in the Eastern Cape, South Africa". *Sixth International conference of World Association for Sustainable Development (WASD)*. Holiday Inn, Brighton. United Kingdom. August 2008.

Louw,L, Du Toit,NP, Knowles,LM and Matika,SN

Louw,L, Du Toit,NP, Knowles,LM and Matika,SN. "Emotional intelligence and academic performance: undergraduate management students at a selected university in South Africa". *Business and Economics Society International Conference*. Hotel De La Paix, Lugano. Switzerland. July 2008. Vol 1. 315-325.

Mayer,CH

Mayer,CH. "Identity and values in cross-cultural conflict. A case study from South Africa". *19th International Congress of the International Association for Cross-Cultural Psychology*. Bremen, Bremen. Germany. July 2008.

Mayer,CH. "Interkulturelle mediation in deutsch-afrikanischen kontexten". *Dialog in die Zukunft: Interdisziplinär, International, Interreligiös, Interkulturell*. München, München. Germany. October 2008.

Boness,C and Mayer,CH. "African eyes on intercultural encounters: a survey in the Tanzanian school system ". *European Foundation of Intercultural Learning: Moving Beyond Mobility*. Berlin, Berlin. Germany. October 2008. 13-14.

Mayer,CH and Louw,L

Mayer,CH and Louw,L. "Value-orientations and management styles in managing cross-cultural conflict. A South African case study". *The Value And Ethnography In Social And Management Sciences, Teaching And Research*. University of Liverpool, Liverpool. England. September 2008.

Mayer,CH and Louw,L. "Identities in Conflict. Managerial constructs from South Africa". *British Academy of Management (BAM 2008)*. Majestic Hotel , Harrogate. England. October 2008.

Van Stuyvesant-Meijen,J, Louw,MJ and Louw,L

Van Stuyvesant-Meijen,J, Louw,MJ, Louw,L and Baxter,JS. "The relationship between organisational culture on organisational commitment at a selected local municipality in South Africa: empirical findings". *Business and Economics Society International Conference*. Hotel De La Paix, Lugano. Switzerland. July 2008. Vol 1. 179-190.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS

Jere,AK

Jere,AK. Workshop Presentation. "*Early warning signals*". Managing a Turnaround. Wits Business School. Johannesburg, South Africa. 15 May 2008.

Johnson,GD

Johnson,GD. Guest Speaker. "*Multi-racial marketing: thoughts about its use within the South African backpacking industry*". Backpacking South Africa's Youth & Adventure Travel Conference. The Owl House Backpackers. Nieu Bethesda, South Africa. 3 - 5 June 2008.

Louw,L

Louw,L. Opening address. "*Europe-African business summit and the way forward*". NEPAD Council Europe-African Business Summit 2008. International Conference Centre. Hamburg, Germany. 28 - 30 April 2008.

Louw,L and Mayer,CH

Louw,L and Mayer,CH. Workshop Presentation. "*Managing diverse value orientations in South African organisations*". NEPAD Council Europe-African Business Summit 2008. International Conference Centre. Hamburg, Germany. 28 - 30 April 2008.

INTERNATIONAL VISIT

Louw,L

Louw,L. Shanghai Institute for Foreign Trade, Shanghai, China. Presented a course in Cultural Management. 10 - 20 March 2008.

Louw,L. University of Botswana, Gaborone, Botswana. Attended a meeting at the Department of Management, University of Botswana in Gaborone with the purpose of initiating research and teaching collaboration in Entrepreneurship between the University of Botswana, University of Utrecht in the Netherlands, Rhodes University and the University of Stellenbosch. October 2008.

Louw,MJ

Louw,MJ. Shanghai Institute for Foreign Trade, Shanghai, China. Presented a course in Management Concepts. 10 - 20 March 2008.

Louw,MJ. Shanghai Institute for Foreign Trade, Shanghai, China. Presented a course in Management Tools. 18 - 28 October 2008.

JOURNAL SUBSIDY UNITS	UNITS
Cox,A and Amos,TL	
<i>Cox,A, Amos,TL and Baxter,J.</i> "What future subordinates will value in their leaders: an exploratory study". <i>Journal of Contemporary Management</i> . 2008. 5,72-89.	0.67
Hayward,BA and Amos,TL	
<i>Hayward,BA , Amos,TL and Baxter,J.</i> "Employee performance, leadership style and emotional intelligence: an exploratory study in a South African parastatal". <i>Acta CommercII</i> . 2008. 8,15-26.	0.67
Louw ,L and Mayer,CH	
<i>Louw ,L and Mayer,CH.</i> "Internationalisation at a selected university in South Africa ". <i>South African Journal of Higher Education</i> . 2008. 22(3),164, 615-628.	1.00
<i>Mayer,CH, Boness,C and Louw,L.</i> "The impact of value orientations on cross cultural encounters and mediation. A survey in Tanzania's educational system". <i>African Journal of Conflict Resolution</i> . 2008. 8(1),39-76, 167.	1.00
Louw,L	
<i>Louw,L and Jackson ,T.</i> "Managing culture and change in South African organisations: the way forward for sub-Saharan Africa?". <i>Africanus: Journal of Development Studies</i> . 2008. 38(1),29-42.	0.50
Mayer,CH	
<i>Mayer,CH.</i> "Identity and Health in Transcultural Mediation. The Model of Culture-Synergetic Transcultural Mediation and its Impacts". <i>Journal of Intercultural Communication</i> . 2008. 17(0),1-23.	1.00
TOTAL	4.84

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Amos	Ward	M	0.25
Louw M	Pittorino	M	0.25
TOTAL			0.5

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
Conference Proceedings of the 20th Annual Conference and 21st Birthday Festival of the Southern Africa Institute for Management Scientists	The development of management competencies and quality of tuition as perceived by graduates in the business and economic sciences	Louw L (Bosch JK, Venter DJL, Roos C)
BAM2008 Conference proceedings: the academy goes relevant	Identities in Conflict. Managerial constructs from South Africa	Mayer C-H, Louw L
3rd Biennial Conference of the Academy of World Business, Marketing and Management Development	Celebrity athlete endorsement and consumer choice in a South African context: an exploratory study	Haig LJ, Makomya CSM, Patel M, Amos TL, Pearse NJ
7th European conference on research methodology for business and management studies	The delphi technique and educating entrepreneurs for the future	Amos T, Pearse NJ
Global and local dynamics in African business and development - IAABD	A theoretical framework for explaining the moderating role of the institutional context on advertising effects in emerging market: the case of South Africa	Jere AK (Jere MG)

Conference Proceedings of the 20th Annual Conference and 21st Birthday Festival of the Southern Africa Institute for Management Scientists	Impact of media content on the effectiveness of multiracial advertising: a vicarious learning approach	Johnson G
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BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Global Business & Economics Anthology, Volume 1, 179-190	The relationship between organisational culture and organisational commitment at a selected local municipality in South Africa: empirical findings	van Stuyvesant Meijen J, Louw MJ, Louw L, Baxter JS
Global Business & Economics Anthology Volume 1, 315-325	Emotional intelligence and academic performance: undergraduate management students at a selected university in South Africa	Louw L, du Toit NP, Knowles LM, Matkia SN

MATHEMATICS (PURE AND APPLIED)

We continue to be the centre of research excellence in the theory of Fuzzy Sets and Systems and the Mathematics on uncertainty in the country. There were more than ten papers that were published in this area of research in the current year. As before Professor BB Makamba and his colleagues at the University of Fort Hare participate with members of this department in contributing to the research efforts in this area.

There are two other topics actively pursued namely Geometric Control by Dr CC Remsing and Neural Networks & its Applications by Prof MH Burton. Dr Remsing attended "The 5th International Conference of Applied Mathematics in Computing" at the Plovdiv, Bulgaria during August 2008 and presented a well received paper.

Prof Murali visited Banaras University in India during January-February and presented two colloquia to the Mathematics Department. He also initiated a collaborative research with Prof AK Srivastava.

We had a distinguished visitor Dr Tomasz Kulpa from the University of Cardinal Stefan Wyszyński in Warsaw Poland during September-October 2008. Our postgraduate numbers are increasing with 5 Honours and 6 Masters. One student already obtained his Masters degree and two are submitting their thesis.

PROFESSOR V MURALI
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Murali,V

Murali,V. "Equivalent finite dimensional fuzzy subspaces". Acta Ciencia Indica. 2007. 33(4),1291-1298.

Murali,V. "On methods of counting preferential fuzzy subgroups". Advances in Fuzzy Sets and Systems. 2008. 3(1),21-42.

Murali,V. "Preferential fuzzy subgroups of order 8". Far East Journal of Mathematical Sciences. 2007. 26(2),443-463.

Murali,V and Gewail,LP. "Indexing of fuzzy groups algorithm and classification". Journal of Fuzzy Mathematics. 2008. 16(1),35-41.

Murali,V and Makamba,BB. "Equivalence and isomorphism of fuzzy subgroups". Journal of Fuzzy Mathematics. 2008. 16(2),351-359.

Murali,V and Talwanga,M

Murali,V and Talwanga,M. "Principle of inclusion-exclusion for finite fuzzy sets". Journal of Fuzzy Mathematics. 2008. 16(4),903-911.

Remsing,CC

Remsing,CC. "Note on an explicit isomorphism". Analele Universitatii (de Vest) Din Timisoara, seria Matematica-Informatica. 2006. 44(2),135-141.

Remsing, CC."On the tangential geometry of foliations". Analele Universitatii (de Vest) Din Timisoara, seria Matematica-Informatica. 2008.46(1), 125-146.

OTHER PUBLICATIONS

Murali,V

Murali,V. "Preferential fuzzy subsets". In: Colloquium Publication. Srivastava, AK (Ed) Banaras Hindu University. India. 2008. (In Press).

Murali,V. "Ordered partitions and preferential fuzzy subsets". In: Colloquium Publication. Srivastava, AK (Ed) Banaras Hindu University. India. 2008. (In Press).

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Burton,MH

Burton,MH. "Neural networks and genetic algorithms for generic formulation discovery". *SA Pharmacol Conference*. Rhodes University, Grahamstown. South Africa. October 2008.

Burton,MH, Patel,F and Parsons,B. "The development of generic formulations using artificial neural networks and genetic algorithms". *APPSA*. Hunter's Rest , Magaliesberg. South Africa. September 2008.

Walker,RB, Patel,F, Burton,MH and Parsons,B. "The development of generic formulations using artificial neural networks and genetic alogorithms – an industry perspective". *29th Annual Congress of the Academy of Pharmaceutical Sciences*. Hunters Rest Resort, Rustenburg. South Africa. September 2008.

Watkins,GM, Lobb,KA, Abel,S and Burton,MH. "DFT molecular dynamics investigation of the inclusion behaviour of a MOF material". *39th Convention of the South African Chemical Institute*. Stellenbosch University, Stellenbosch. South Africa. December 2008. 1-5th.

Burton,MK

Watkins,GM, Lobb,KA, Abel,S and Burton,MK. "DFT Molecular Dynamics investigation of the inclusion behaviour of a MOF material". *CHPC2008, Centre for High Performance Computing*. University of KwaZulu-Natal, Durban. South Africa. December 2008.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

ii. International Conferences

Remsing,CC

Remsing,CC. "Optimal control, stability, and Hamilton-Poisson formalism". *The 5th International Conference of Applied Mathematics and Computing*. Technical University of Plovdiv, Plovdiv. Bulgaria. August 2008.

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Murali	Mahlasela	M	1.0
Murali	Talwanga	M	1.0
Remsing	Rodgerson	M	1.0
TOTAL			3.0

MUSIC AND MUSICOLOGY INCLUDING THE INTERNATIONAL LIBRARY OF AFRICAN MUSIC

During 2008, our department continued to maintain an active profile in the academic and musical life of the University, the town and the region. Prof Marc Duby took up the position of Head of Department in April. Members of staff made contributions to the field in the areas of performance, composition, and conducting, as well as serving on music-related professional bodies, reviewing concerts, adjudicating competitions, and assisting as external examiners to other institutions in the region and nationally.

Members of the department also took part in an interdisciplinary collaboration with First Physical Theatre Co (Drama) and members of the Dance Department of Tulane University (New Orleans). Researchers within the department presented papers within South Africa's borders and in the international arena, and we would like to congratulate our students, their teachers and supervisors on the following achievements, as highlighted below:

- Melissa Marsh was awarded the Flanagan scholarship for overseas study in music therapy
- Susan Moyo and Angela Wilde both obtained the RULS diploma with distinction
- Boudina McConnachie completed her MMus (Ethnomusicology) degree with distinction
Thesis title: *Legal Access To Our Musical History: An Investigation into the Copyright Implications of Archived Musical Recordings Held at the International Library of African Music (ILAM) in South Africa*
Supervisors: Prof D Thram (ILAM), Dr J Brukman (Music), Ms S Driver (Law)
- Terence Marais: Semi finalist in National ATKV Music competition held in Stellenbosch. Performed recitals in Johannesburg, Pretoria, Port Alfred, Mossel Bay, Grahamstown festival (Fringe 6 performances), Grahamstown. Broadcast on Algoa FM and FMR
- Mia Pistorius: 3rd prizewinner in FMR/Pick 'n Pay National Music competition in Cape Town. Broadcast on FMR. Awarded additional prize of R 15 000 for Rhodes tuition by Mrs Wendy Ackerman. Mia was also selected for UNISA scholarship competition following a high distinction in Grade 8 practical exam, and awarded du Toit van Tonder scholarship at competition which was held in Pretoria
- Jacques du Plessis: Achieved high merit in UNISA Grade 8 examination. Finalist in Rising Stars competition. Awarded prize for Rachmaninoff
- Cathy Hodgson: Achieved high merit in UNISA Grade 8 examination
- Theresa Dwyer: Achieved distinction for Grade 7 UNISA examination. Finalist in Rising Stars competition held in Grahamstown
- Gareth Dwyer: 2nd prizewinner in Rising Stars competition held in Grahamstown. Finalist in Eastern Cape National Music competition held in East London. Performed Rachmaninoff Piano Concerto No 2: 1st movement with RU Orchestra

Improvement of qualifications of support staff

- Ms Ndumi Lumkwana: Obtained RU certificate in MS Outlook
- Ms Lucie Zunckel: Obtained RU certificate in Human Resources Management

Prof. Diane Thram re-launched ILAM's annual peer-reviewed journal devoted to research on African music with Volume 8, number 1 (2007). Publishing costs for the 2008 edition – Volume 8, number 2 – were generated from subscription sales. The journal enjoys wide circulation via university libraries throughout the world, as well as individual subscribers. The international community of scholars is responding very positively to the resuscitation of *African Music*. It is the only scholarly, peer-reviewed journal devoted to research of African Music in existence. Also significant is that it is published in Africa, by ILAM, not by a publishing house in the USA or UK.

ILAM was awarded 2 major grants in 2008:

1. A two-year (2008-2009) grant from the Rand Merchant Bank Expressions Programme to complete cataloguing and digitizing of the Hugh Tracey field recordings housed at ILAM.
 2. A three year (2008, 2009, 2010) grant from the Andrew Mellon Foundation to catalogue, digitize, and conserve to archival standards all documents and ephemera in the Hugh Tracey Collection, field recordings and related materials in the Andrew Tracey Collection, and field recordings and related materials in the Dave Dargie Collection.
- These two grants enabled the creation of full-time posts for 2 sound engineers, 2 sound engineering assistants, a cataloguing librarian, an archivist and an archiving assistant for a total of 7 full-time posts.

ILAM received an invitation from the Origins Centre Museum at WITS University to mount an exhibit on Hugh Tracey and ILAM to serve as an outreach outcome of the Rand Merchant Bank Expressions Programme grant.

PROFESSOR MARC DUBY, HEAD OF DEPARTMENT, MUSIC AND MUSICOLOGY
PROFESSOR DIANE THRAM, DIRECTOR OF INSTITUTE, ILAM

BOOKS/CHAPTERS/MONOGRAPHS

Watkins,L

Watkins,L. "Composing apartheid: music for and against apartheid". African Music. ILAM. Grahamstown. First Edition. 2008. 8(2), 117-118. ISBN: 0065-4019.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Brukman,JJ

Brukman,JJ. "The relevance of Friedrich Hartmann's fully-chromaticized scales with regard to Bartók's Fourteen Bagatelles, Op 6". *Theoria: A Journal of Social and Political Theory*. 2008. 15,31-60.

OTHER PUBLICATIONS

Brukman,JJ

Brukman,JJ. "A marvellous mix of Mzansi and Mozart, preview: classical music". In: Cue. Accone,D, Foss,K, Rennie,G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 10.

Brukman,JJ. "Amici Quartet Excel in Elegies, review: the songs of Madosini". In: Cue. Accone,D, Foss,K, Rennie,G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 6.

Brukman,JJ. "Bringing Spain to Life, review: ballet *Don Quixote*". In: Cue. Accone,D, Foss,K, Rennie,G and Sassen, R (Eds) Department of Journalism and Media Studies. Grahamstown. 2008. 5.

Brukman,JJ. "Extraordinary masterstroke of expressive music making, review: clockwise programme 2". In: Cue. Accone,D, Foss,K, Rennie,G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 2.

Brukman,JJ. "High on originality, low on dynamism, review: 88 tuned drums: facets of African pianism". In: Cue. Accone,D, Foss,K, Rennie,G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 3.

Brukman,JJ. "Imaginative programming and technical brilliance, review: Lieder recital programme 2". In: Cue. Accone,D, Foss,K, Rennie,G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 8.

Brukman,JJ. "Mohapelo deserves subtlety: precise directing fails to sustain recently assembled choir's full sound', review: the Mohapelo centenary". In: Cue. Accone,D, Foss,K, Rennie,G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 4.

Brukman,JJ. "Moving and emotional experience: perfect intonation and balanced texture fill every acoustic cavity, review: outlines harmonised". In: Cue. Accone,D, Foss,K, Rennie,G and Sassen, R (Eds) Department of Journalism and Media Studies. Grahamstown. 2008. 5.

Brukman,JJ. "Sadly not on song, review: a hundred years of African song". In: Cue. Accone,D, Foss,K, Rennie,G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 6.

Bruckman, J.J. "Seamless texture elevates in every way, review: amici string quartet". In: Cue. Accone, D, Foss, K, Rennie, G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 4.

Bruckman, J.J. "Seriously in tune, interview: Zanne Stapelberg". In: Cue. Accone, D, Foss, K, Rennie, G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 12.

Bruckman, J.J. "The measure of the music, review: Lieder recital programme 1". In: Cue. Accone, D, Foss, K, Rennie, G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 5.

Edwards, J

Edwards, J. "A musical spirit on a restless quest". In: Cue. Accone, D, Foss, K, Rennie, G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 2.

Edwards, J. "Around the world in ten days". In: Cue. Accone, D, Foss, K, Rennie, G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 4.

Edwards, J. "Blockbuster jazz trilogy". In: Cue. Accone, D, Foss, K, Rennie, G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 5.

Edwards, J. "It's Israeli and it's all that jazz". In: South African Jewish Report. Sifrin, G (Ed) Caxton. Randburg. 2008. 8.

Edwards, J. "Jazz Festival is a talent barometer". In: Cue. Accone, D, Foss, K, Rennie, G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 4.

Edwards, J. "Mining gold in the gap between opera and jazz". In: Cue. Accone, D, Foss, K, Rennie, G and Sassen, R (Eds) Department of Journalism and Media Studies, Rhodes University. Grahamstown. 2008. 9.

Edwards, J. "Opera and jazz fuse in perfect harmony". In: The Sunday Independent. Rantao, J (Ed) Independent Newspapers. Gauteng. 2008. 32.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Edwards, J

Edwards, J. "Jazz theory, assessment, OBE, and the NQF ". *Jazz in Africa and the Middle East*. University of Cape Town, Cape Town. South Africa. March 2008.

Heunis, D

Heunis, D. "'Suikerbossie" through the ages". *SASRIM (SA Society for Research in Music)*. SASRIM Conference, Port Elizabeth. South Africa. August 2008.

Thram, DJ

Thram, DJ. "Hugh Tracey's legacy: bringing ILAM into the 21st Century ". *Annual Conference of SASRIM - South African Society for Research in Music*. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. August 2008.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

ii. International Conferences

Duby,M

Duby,M. "The secret life of instruments: musical practice and actor-network-theory". *28th ISME (International Society for Music Education) World Conference: Music at All Ages*. ISME Conference, Bologna. Italy. July 2008. 89-92.

Heunis,D

Heunis,D. "Josef Marais: a model teacher in a global village". *Cultural Diversity in Music Education CDIME-NINE*. University of Washington, Seattle. United States of America. July 2008. 1-7.

Still-Drewett,F

Still-Drewett,F. "South African music libraries, collegial, institutional and geographic isolation: an examination". *International Association of music Librarians (IAML) Annual Conference*. Expo Centro Congressi Terminal-Napoli, Naples. Italy. July 2008.

Still-Drewett,F. "South African music libraries: collegial, institutional and geographic isolation, an examination". *International Association of Music Libraries, Archives and Documentation Centres*. Naples, Naples. Italy. July 2008.

Thram,DJ

Thram,DJ. "1.Performance as ritual, performance as art: therapeutic efficacy of dandanda song and dance in Zimbabwe 2.Paying the piper to propagandize music: media control in Zimbabwe 3. Bringing ILAM into the 21st Century". *Ethnomusicology Symposium*. University of Dar es Salaam, Dar es Salaam. Tanzania. July 2008.

Thram,DJ. "Archiving then and now: Hugh Tracy's legacy for ILAM's on-line Archive". *Annual Conference of the International Association of Sound and Audio-visual Archives (IASA)*. Maritime Museum, Sydney. Australia. September 2008. in press.

Thram,DJ. "Archiving then and now: Hugh Tracy's legacy for ILAM's on-line archive". *Annual Conference of the Society for Ethnomusicology*. Wesleyan University, Middleton. United States of America. October 2008.

Watkins,L

Watkins,L. "Performing migration, migrating performance: contact and surrogacy among Filipino musicians in Hong Kong". *24th Association of South-East Asian Studies in the United Kingdom*. John Moores University, Liverpool. United Kingdom. June 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Duby,M**

Duby,M. Presentation. Why choose music as your professional career? Beethoven Room. Grahamstown, South Africa. 9 May 2008.

Duby,M. Improvising bassist. Jazz performance. Smokey Swallows. East London, South Africa. 10 May 2008.

Duby,M. Improvising bassist/composer. Jazz in Beethoven, featuring the Fabulous Faculty Four. Beethoven Room. Grahamstown, South Africa. 24 May 2008.

Duby,M. Improvising bassist/composer. United Nations of Grahamstown. National Jazz Festival. Grahamstown, South Africa. 26 June 2008.

Duby,M. Improvising bassist/composer. Universal explorations. National Jazz Festival. Grahamstown, South Africa. 30 June 2008.

Duby,M. Improvising bassist/composer. Ozymandias (Collaborative dance production). National Arts Festival. Grahamstown, South Africa. 3 - 5 July 2008.

Duby,M. Improvising bassist/composer. Jazz recital featuring the Fabulous Faculty Four. The 1820 Settlers' Monument. Grahamstown, South Africa. 30 July 2008.

Duby, M. Improvising bassist/composer. Recital with Prof Sanjoy Bandophadyay. Z K Matthews Hall (Unisa). Pretoria, South Africa. August 2008.

Duby, M. Improvising bassist/composer. Workshop/performance with Prof Sanjoy Bandophadyay. Beethoven Room. Grahamstown, South Africa. 8 August 2008.

Duby, M. Improvising bassist/composer. Jazz in Beethoven featuring the Fabulous Faculty Four. Beethoven Room. Grahamstown, South Africa. November 2008.

Duby, M. Improvising bassist/composer. Jazz performance. Smokey Swallows. East London, South Africa. 15 November 2008.

Edwards, J

Edwards, J. composer/performer. *"11 commitments public service announcement series 30", 60" & 90" for UNICEF Angola"*. Collaboration between Rhodes Music and Journalism Departments. Rhodes Department of Music Recording Studio. Grahamstown, South Africa. March 2008.

Edwards, J. Improvising pianist/composer. Jazz in Beethoven featuring the Fabulous Faculty Four. Beethoven Room. Grahamstown, South Africa. 24 May 2008.

Edwards, J. director/conductor. *"Standard Bank National Youth Jazz Festival"*. Student mixed ability big band. DSG. Grahamstown, South Africa. 28 June - 2 July 2008.

Edwards, J. Improvising pianist/composer. Ozymandias (Collaborative dance production). National Arts Festival. Grahamstown, South Africa. 3 - 5 July 2008.

Edwards, J. Improvising pianist/composer. Jazz recital featuring the Fabulous Faculty Four. The 1820 Settlers' Monument. Grahamstown, South Africa. 30 July 2008.

Edwards, J. Improvising pianist/composer. Jazz in Beethoven featuring the Fabulous Faculty Four. Beethoven Room. Grahamstown, South Africa. November 2008.

Foxcroft, CJ

Foxcroft, CJ. CD recording for FMR/SAfm broadcast. *"CD recording"*. Soloist with ECPO. Performance and recording of *Rhapsody in Blue* by Gershwin. Feathermarket Hall. Port Elizabeth, South Africa. 25 March 2008.

Foxcroft, CJ. Solo performance. *"Stellenbosch international piano symposium"*. Guest faculty concerts. Konservatorium University of Stellenbosch. Stellenbosch, South Africa. 8 - 12 April 2008.

Foxcroft, CJ. Recital tour. *"Recital tour"*. Solo recital at Guild Theatre. Guild Theatre. East London, South Africa. 2 August 2008.

Foxcroft, CJ. Recital tour. *"Recital tour"*. Solo recital at Northwards House. Northwards House. Johannesburg, South Africa. 21 September 2008.

Foxcroft, CJ. Recital tour. *"Recital tour"*. Solo recital at Hogsback Spring Festival. Hogsback. Hogsback, South Africa. 29 September 2008.

Foxcroft, CJ. Recital tour. *"Recital tour"*. Solo recital for Lindbergh Concert Society. Lindbergh. Cape Town, South Africa. 4 October 2008.

Foxcroft, CJ. Recital tour. *"Recital tour"*. Solo recital at the Grahamstown Monument. The 1820 Settlers' Monument. Grahamstown, South Africa. 8 November 2008.

Munoz,JL

Munoz,JL. Conducted a Workshop for the ACMP Orchestra at UCT Cape Town. "*Coaching and conducting*". ACMP Orchestra 2008 Workshop. University of Cape Town. Cape Town, South Africa. 8 - 12 January 2008.

Munoz,JL. Orchestra Conductor. "*Performance*". ACMP Orchestra 2008 Concert. City Hall. Cape Town, South Africa. 12 January 2008.

Munoz,JL. Recital performance. "*Performance*". Sundowner concert series at University of Johannesburg. Violin and piano recital. University of Johannesburg. Johannesburg, South Africa. 25 February 2008.

Munoz ,JL. Performer. "*Performance*". Juan, Mariel and friends concert series. Piano trio With Peter Martens and Mariel Ilusorio. Beethoven Room. Grahamstown, South Africa. 13 March 2008.

Munoz,JL. Performer. "*Performance*". Franschhoek chamber music workshop. Opening concert for the workshop. Franschhoek High School. Franschhoek, South Africa. 29 March 2008.

Munoz,JL. Coach. "*Coaching students in chamber music*". Franschhoek Chamber Music Workshop. Franschhoek High School. Franschhoek, South Africa. 29 March - 5 April 2008.

Munoz,JL. Conductor. "*Performance*". Juan, Mariel and friends concert series. Rhodes string ensemble. Beethoven Room. Grahamstown, South Africa. 22 April 2008.

Munoz,JL. Perform. "*Performance*". Juan, Mariel and friends concert series. Trout quintet and piano quintet. Beethoven Room. Grahamstown, South Africa. 29 April 2008.

Munoz,JL. Conducting. "*Performance*". GMS. Rhodes orchestra with Mariel Ilusorio and Erika Bothma. The 1820 Settlers' Monument. Grahamstown, South Africa. 21 May 2008.

Munoz,JL. Conducting. "*Performance*". Port Elizabeth music society concert series. Rhodes orchestra concert at Nelson Mandela Metropolitan University. Nelson Mandela Metropolitan University. Port Elizabeth, South Africa. 18 June 2008.

Munoz,JL. Performer. "*Performance*". Concert for peace organized by the spanish, filipino and chilean embassies, Unisa. Unisa Concert Hall. Pretoria, South Africa. 27 June 2008.

Munoz,JL. Conductor. "*Performance*". A feast of Beethoven. The 1820 Settlers' Monument. Grahamstown, South Africa. 2 August 2008.

Munoz,JL. Conductor. "*Performance*". A feast of Beethoven. Feather Market Hall. Port Elizabeth, South Africa. 3 August 2008.

Munoz,JL. Conductor. "*Performance*". Rhodes Orchestra with Heidi Staiger. Rhodes University. Grahamstown, South Africa. 29 August 2008.

Munoz,JL. Performer/Violin Recital. "*Performance/violin recital*". GMS concert series. The 1820 Settlers' Monument. Grahamstown, South Africa. 3 September 2008.

Munoz,JL. Conductor (Rhodes orchestra). "*Performance*". Grand finale concert of the rising stars. The 1820 Settlers' Monument. Grahamstown, South Africa. 27 September 2008.

Thram,DJ

Thram,DJ. Convenor. "*ILAM-University of Michigan African Studies Center Digital Heritage Repatriation Workshop*". 3 day workshop. ILAM. Grahamstown, South Africa. 9 - 11 December 2008.

INTERNATIONAL VISIT

Foxcroft,CJ

Foxcroft,CJ. Harare International School, Harare, Zimbabwe. Solo recital for celebrity concerts. 12 September 2008.

Foxcroft,CJ. Zimbabwe Academy of Music, Harare, Zimbabwe. Solo recital. 12 September 2008.

Munoz,JL

Munoz,JL. St. Scholastica's College, Manila, Philippines. Master classes for music students. 3 December 2008.

JOURNAL SUBSIDY UNITS	UNITS
Brukman,JJ	
<i>Brukman,JJ.</i> "The relevance of Friedrich Hartmann's fully-chromaticized scales with regard to Bartók's Fourteen Bagatelles, Op 6". <i>Theoria: A Journal of Social and Political Theory</i> . 2008. 15,31-60.	1.00
TOTAL	1.00

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Brukman	McConnachie	M	0.33
Thram	Gumboreshumba	M	1.0
Thram	McConnachie	M	0.33
TOTAL			1.66

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
Proceedings 28th ISME World conference: Music at all ages	The secret life of instruments: musical practice and actor-network-theory	Duby M

PHARMACY

Research activities in the Faculty of Pharmacy have expanded significantly over the last few years resulting in research outputs from staff and postgraduate students having an impact both nationally and internationally. Staff and postgraduate students published at least 14 journal articles and have an additional 14 papers in press due to be published in 2009. Professor Walker and Dr Tandlich each wrote a chapter for books that were published in 2008. 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 2008. The professional visibility of the Faculty was maintained with the publication of 9 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, the South African Academy of Pharmaceutical Sciences, the Southern African Society for Basic and Clinical Pharmacology during which no less than 24 oral and poster presentations were made. Staff of the Faculty were active in other local conferences and workshops, presenting 5 papers at these events.

Several staff and postgraduates made their mark internationally, presenting some 21 papers at international conferences in the USA, United Kingdom, Canada, Germany, Turkey, the Netherlands, China, Poland and Switzerland. Staff members also attended international workshops and were invited guests at Universities and Institutes in the USA, United Kingdom and India, and at the World Health Organization.

The Faculty of Pharmacy held a successful Annual Research Day at which 21 Masters, Doctoral and Doctor of Pharmacy postgraduates in the Faculty presented their research data. Three final year students doing a research elective also presented their findings.

Two PhD students in Pharmaceutics won prestigious awards this year. Ms Wai-Ling Au was adjudged the top Young Scientist at the South African Pharmacological Society annual Meeting and Ms Adrienne Muller won the category for best poster presentation in Pharmacology at the Academy of Pharmaceutical Sciences Conference. We are proud of their achievements.

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 from the University of Toronto and Dr Dresser from the North York Hospital in Toronto.

The Faculty of Pharmacy 2008 graduation ceremony saw the first ever Doctor of Pharmacy (PharmD) Degree conferred on Ms Singh. Dr Singh is the first PharmD graduate to receive her degree from a university in South Africa, Africa or the Southern Hemisphere. The Faculty of Pharmacy is particularly proud of her accomplishment and looks forward to many more graduates in the future.

The research efforts of Professor Kanfer during his tenure at Rhodes University culminated with the long overdue award of the Vice-Chancellor's Distinguished Research Award which was presented at the 2008 graduation ceremony. The Faculty of Pharmacy is particularly proud of his achievement and for the acknowledgement of the significance of research in the Pharmaceutical Sciences at Rhodes University.

PROFESSOR ROD WALKER
DEAN AND HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Kanfer,I

Kanfer,I and Dalhoff,K. "Effect of food on bioavailability and the assessment of bioequivalence". In: Generic Drug Product Development: Bioequivalence Issues. Informa Healthcare. New York. 2008. 180, 207-233. ISBN: 978-084937784-6.

Kanfer,I and Shargel,L. "Generic drug development: bioequivalence issues". Kanfer,I and Shargel, L (Eds). Informa Healthcare. New York. First Edition. 2008. 264 pp.180

Shargel,L and Kanfer,I. "Introduction: bioequivalence issues". In: *Generic Drug Product Development: Bioequivalence Issues*. Informa Healthcare. New York. First Edition. 2008. 180, 1-14. ISBN: 978-084937784-6.

Tandlich,R

Tandlich,R. "Application of liquid membranes in wastewater treatment". In: *Liquid Membranes*. Elsevier. Netherlands. First Edition. 2008. (9), 140-290. (In Press).

Walker,RB

Walker,RB. "Modified release delivery systems for oral use". In: *Drugs And The Pharmaceutical Sciences: Modified-Release Drug Delivery Technology*. Informa Health. New York. Second Edition. 2008. 183(1), 131-141. ISBN: 978-142004435-5.

Walker,RB and Kanfer,I

Verbeeck,RK, Walker,RB and Kanfer,I. "Pharmaceutical alternatives: consideration for generic substitution". In: *Generic Drug Product Development: Bioequivalence Issues*. Informa Healthcare. New York. 2008. 180, 31-46. ISBN: 978-084937784-6.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Afolayan,A and Beukes,D

Afolayan,A, Bolton,J, Lategan,C, Smith,P and Beukes,D. "Fucoxanthin, tetraprenylated toluquinone and tolhydroquinone metabolites from *Sargassum heterophyllum* inhibit the *in vitro* growth of the malaria parasite *Plasmodium falciparum*". *Zeitschrift Fur Naturforschung C-A Journal of Biosciences*. 2008. 63(c),848-852.

Au,WL, Skinner,MF and Kanfer,I

Au,WL, Skinner,MF and Kanfer,I. "Bioequivalence assessment of topical clobetasol propionate products using visual and chromametric assessment of skin blanching". *Journal of Pharmacy and Pharmaceutical Sciences*. 2008. 11(1), www.cspCanada.org.

Daya,S

Dairam,A, Fogel,R, Daya,S and Limson,JL. "Antioxidant and iron-binding properties of curcumin, capsaicin, and S-allylcysteine reduce oxidative stress in rat brain homogenate". *Journal of Agricultural and Food Chemistry*. 2008. 56(9),3350-3356.

Southgate ,G, Schubert,M and Daya,S. "Melatonin protects against glutamate receptor agonists in neuronal cultures". *Annals of Neuroscience*. 2008. 15,1-5.

Dowse,R

Dowse,R, Hunt,S and La Rose,C. "Health literacy assessment: relexicalising a U.S. test for a South African population". *Southern African Linguistics and Applied Language Studies*. 2008. 26(2),267-281.

Futter,B

Anderson,C, Bates,I, Beck,D, Brock,T, Futter,B, Mercer,H, Rouse,M, Wuliji,T and Yonemura,A. "The WHO UNESCO FIP pharmacy education taskforce: enabling concerted and collective global action". *American Journal of Pharmaceutical Education*. 2008. 72(6), <http://www.ajpe.org/view.asp?art=aj72061>

Futter,WT

Futter,WT. "The naked manager: improving performance through cultural competence Part 3: how?". *South African Pharmacy Journal*. 2008. 75(2),54-56.

Futter,WT. "The naked manager: improving performance by thriving on chaos". *South African Pharmacy Journal*. 2008. 75(4),58-59.

Futter,WT. "The naked manager: is there a magic formula?". *South African Pharmacy Journal*. 2008. 75(6),64-65.

Futter, WT. "The naked manager: influencing others by word of mouth. Pharmacists as opinion leaders?". *South African Pharmacy Journal*. 2008. 75(8),54-55.

Jobson, MR

Jobson, MR. "How to sell your soul in 10 easy steps (re-published with permission)". *South African Pharmaceutical Journal*. 2008. 75(3),32-33.

Kanfer, I

Kanfer, I. "Concerns about the safety and efficacy of obesity agents from a manufacturing perspective". *Postgraduate Medicine*. 2008. 120(2),42-45.

Wei, H, Dalton, C, Di Maso, M, Kanfer, I and Löbenberg, R. "Physiochemical characterization of five glyburide powders: a BCS based approach to predict oral absorption". *European Journal of Pharmaceutics and Biopharmaceutics*. 2008. 69,1046-1056.

Kanfer, I and Patnala, S

Kanfer, I and Patnala, S. "A capillary zone electrophoresis method for the assay and quality control of mesembrine in *sceletium* tablets". *Journal of Pharmaceutical and Biomedical Analysis*. 2008. 48,440-446.

Mogatle, S, Skinner, MF and Kanfer, I

Mogatle, S, Skinner, MF and Kanfer, I. "Effect of African potato (*Hypoxis hemerocallidea*) on the pharmacokinetics of efavirenz". *South African Medical Journal*. 2008. 98(12),945-949.

Muller, A and Daya, S

Muller, A and Daya, S. "Acyclovir inhibits rat liver tryptophan-2,3-dioxygenase enzyme and induces a concomitant rise in brain serotonin and 5-hydroxyindole acetic acid levels". *Metabolic Brain Disease*. 2008. 23(3),351-360.

Nair, VDP and Kanfer, I

Nair, VDP and Kanfer, I. "Development of dissolution tests for the quality control of complementary/alternate and traditional medicines: application to African potato products". *Journal of Pharmacy and Pharmaceutical Sciences*. 2008. 11(3), www.cspscanada.org

Nair, VDP and Kanfer, I. "Sterols and sterolins in *hypoxis hemerocallidea* (African potato)". *South African Journal of Science*. 2008. 104,322-324.

Patnala, S and Kanfer, I

Patnala, S and Kanfer, I. "Investigations of the phytochemical content of *sceletium tortuosum* following the preparation of "kougoed" by fermentation of plant material". *Journal of Ethnopharmacology*. 2008. 121,86-91.

Tayub, M and Srinivas, SC

Tayub, M and Srinivas, SC. "Pharmacy week 2007: what have we learnt?" 2008. 75(1),6-7.

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

Tettey-Amlalo, R, Kanfer, I, Skinner, MF, Benfeldt, EM and Verbeeck, RK. "Application of dermal microdialysis for the evaluation of bioequivalence of a ketoprofen topical gel". *European Journal of Pharmaceutical Sciences*. 2008. 36,219-225.

Walker, RB

Walker, RB and Attaran, A. "Shoppers drug mart or poachers drug mart?". *Canadian Medical Association Journal*. 2008. 178(3),265-266.

Walker, RB, Mills, E, Schabas, WA, Volmink, J, Ford, N, Katabira, E, Anema, A, Joffres, M, Cahn, P and Montaner, J. "Should active recruitment of health workers from Sub-Saharan Africa be viewed as a crime?". *Lancet*. 2008. 371,685-688.

Walker,RB, Mohammadi,A, Amini,M, Pirali Hamedani,M and Heidari Torkabadi,H. "Study of the formation of artifacts following dichloromethane reaction with some nitrogenous drugs". *Asian Journal of Chemistry*. 2008. 20(7),5573-5580.

OTHER PUBLICATIONS

Jobson,MR

Jobson,MR. "Dishonourable discharge". In: Mail & Guardian Thought Leader Blog. 2008. 1.

Jobson,MR. "Why I am not a rural doctor". In: Mail & Guardian Thought Leader Blog. 2008. 1.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Au,WL, Skinner,MF and Kanfer,I

Au,WL, Skinner,MF and Kanfer,I. "Correlation of the human skin blanching assay with tape stripping methodology for the assessment of bioequivalence of topical products". *29th Academy of Pharmaceutical Sciences Congress*. Hunters Retreat Resort, Rustenberg. South Africa. January 2008.

Au,WL, Skinner,MF and Kanfer,I. "Bioequivalence testing using the tape stripping technique". *SA Pharmacological Society Congress*. Rhodes University , Grahamstown. South Africa. October 2008.

Beukes,D

Beukes,D. "Fishing for drugs from the sea: South African perspective". *29th Annual Conference of the Academy of Pharmaceutical Sciences of South Africa*. Hunter's Rest, Rustenburg. South Africa. September 2008.

Dowse,R

Hunt,S, La Rose,C and Dowse,R. "Literacy and access to information about health issues in a multi-cultural society". *3rd International Symposium on Intercultural Communication and Linguistics*. Stellenbosch University, Stellenbosch. South Africa. January 2008.

Jobson,MR

Jobson,MR. "Pharmacology meets sociology and politics: normalisation of deviance in medicines regulation in South Africa". *South African Basic and Clinical Pharmacology Society Congress*. The 1820 Settlers' Monument, Grahamstown. South Africa. October 2008.

Khamanga,SMM, Fauzee,F and Walker,RB

Khamanga,SMM, Fauzee,F and Walker,RB. "Microencapsulation of propranolol by coacervation". *29th Annual Congress of the Academy of Pharmaceutical Sciences*. Hunters Rest Resort, Rustenburg. South Africa. September 2008.

Khamanga,SMM, Zimba,T and Walker,RB

Khamanga,SMM, Zimba,T and Walker,RB. "Manufacture of carbamazepine microparticles by coacervation of HPMC-CAP". *29th Annual Congress of the Academy of Pharmaceutical Sciences*. Hunters Rest Resort, Rustenburg. South Africa. September 2008.

Magadza,C and Srinivas,CS

Magadza,C, Srinivas,CS and Radloff,S. "Simple, but effective educational intervention to increase knowledge about hypertension and its therapy". *22nd Annual SAAHIP Conference*. Drakensberg, Drakensberg. South Africa. March 2008.

Mogatle,S, Skinner,MF, Mills,E and Kanfer,I

Mogatle,S, Skinner,MF, Mills,E and Kanfer,I. "Effect of short-term administration of African potato (*Hypoxis hemerocallidea*) on single-dose efavirenz pharmacokinetics". *29th Academy of Pharmaceutical Sciences Congress*. Hunters Retreat Resort, Rustenberg. South Africa. January 2008.

Müller,A and Kanfer,I

Müller,A, Kis,O, Bendayan,R and Kanfer,I. "The effect of *Sutherlandia frutescens* on atazanavir accumulation in Caco-2 cells". *SA Pharmacological Society Congress*. Rhodes University, Grahamstown. South Africa. October 2008.

Mungwiro,H and Srinivas,CS

Mungwiro,H and Srinivas,CS. "Equipping them to equip themselves: assessing self-care in hypertensive patients with particular focus on lifestyle and nutritional changes". *22nd Annual SAAHIP Conference*. Drakensberg, Drakensberg. South Africa. March 2008. 1.

Parfitt,NR and Kanfer,I

Parfitt,NR and Kanfer,I. "A high-performance liquid chromatography (HPLC) method for the analysis of clotrimazole ". *29th Academy of Pharmaceutical Sciences Congress*. Hunters Retreat Resort, Rustenberg. South Africa. September 2008.

Parfitt,NR and Kanfer,I. "Determination of clotrimazole in human skin by tape stripping following topical application of a cream formulation". *SA Pharmacological Society Congress*. Rhodes University, Grahamstown. South Africa. October 2008.

Patnala,S and Kanfer,I

Patnala,S and Kanfer,I. "Quality control and phytochemical composition of complementary medicines: *Sceletium* and *Sutherlandia*". *Medical Research Council Research Day*. Medical Research Council, Cape Town. South Africa. November 2008.

Ramela,T and Dowse,R

Ramela,T and Dowse,R. "Design, development and evaluation of pictograms illustrating some common side effects of antiretrovirals". *22nd Annual Conference of the SA Association of Hospital and Institutional Pharmacists*. Champagne Sports Resort, Drakensberg. South Africa. March 2008.

Srinivas,CS and Wrench,W

Srinivas,CS and Wrench,W. "Service-learning courses: evaluation by pharmacy students". *South African Society for Basic and Clinical Pharmacology and the Southern African Neuroscience Society Congress*. The 1820 Settlers' Monument, Grahamstown. South Africa. October 2008.

Srinivas,SC and Wrench,W

Srinivas,SC and Wrench,W. "Service-learning: pharmacy students provide feedback on their development and learning". *Higher Education as a Social Space Conference*. Rhodes University, Grahamstown. South Africa. December 2008.

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

Tettey-Amlalo,R, Skinner,MF, Verbeeck,RK and Kanfer,I. "Bioequivalence assessment of topical dosage forms using microdialysis". *29th Academy of Pharmaceutical Sciences Congress*. Hunters Retreat Resort, Rustenberg. South Africa. September 2008.

Walker,RB

Walker,RB, Patel,F, Burton,MH and Parsons,B. "The development of generic formulations using artificial neural networks and genetic algorithms - an industry perspective". *29th Annual Congress of the Academy of Pharmaceutical Sciences*. Hunters Rest Resort, Rustenburg. South Africa. September 2008.

Walker,RB and Chaibva,FA

Walker,RB and Chaibva,FA. "Formulation and evaluation of hydrophilic matrix tablets of a low dose, water-soluble drug". *29th Annual Congress of the Academy of Pharmaceutical Sciences*. Hunters Rest Resort, Rustenburg. South Africa. September 2008.

Walker,RB and Chaibva,FA. "Enhancement of controlled release formulation development using retrospective pharmacokinetic data to predict in vivo plasma concentrations". *42nd Annual Congress of the South African Society for Basic and Clinical Pharmacology*. The 1820 Settlers' Monument, Grahamstown. South Africa. October 2008.

Walker,RB and Ogwal,S

Walker,RB and Ogwal,S. "Development and validation of a stability indicating assay for ibuprofen in dosage forms". *29th Annual Congress of the Academy of Pharmaceutical Sciences*. Hunters Rest Resort, Rustenburg. South Africa. September 2008.

Walker,RB and Sachikonye,T

Walker,RB and Sachikonye,T. "Development and validation of a stability indicating analytical method for the quantitation of minocycline in pharmaceutical dosage forms". *29th Annual Congress of the Academy of Pharmaceutical Sciences*. Hunters Rest Resort, Rustenburg. South Africa. January 2008.

Walker,RB and Wa Kasongo,K

Walker,RB and Wa Kasongo,K. "Formulation and preliminary characterization of drug-free and didanosine-loaded solid lipid nanoparticles (SLN)". *The 35th Annual Meeting and Exposition of the Controlled Release Society*. New York Hilton, New York City. United States of America. July 2008.

Walker,RB and Wa Kasongo,K. "Innovative solid lipid carriers as oral drug delivery systems". *29th Annual Congress of the Academy of Pharmaceutical Sciences*. Hunters Rest Resort, Rustenburg. South Africa. September 2008.

Walker,RB and Wa Kasongo,K. "Formulation and characterization of didanosine-loaded solid lipid nanoparticles using a mixture of theobroma and Preciprol® ATO5". *42nd Annual Congress of the South African Society for Basic and Clinical Pharmacology*. The 1820 Settlers' Monument, Grahamstown. South Africa. October 2008.

Walker,RB, Khamanga,SMM and Parfitt,NR

Walker,RB, Khamanga,SMM and Parfitt,NR. "The application of general factorial design methods to investigate propranolol hydrochloride release from microcapsules". *The 35th Annual Meeting and Exposition of the Controlled Release Society*. New York Hilton, New York City. United States of America. July 2008.

Walker,RB, Wa Kasongo,K and Jhundoo,H

Walker,RB, Wa Kasongo,K and Jhundoo,H. "An investigation into the feasibility of preparing innovative drug-free solid lipid carriers". *29th Annual Congress of the Academy of Pharmaceutical Sciences*. Hunters Rest Resort, Rustenburg. South Africa. September 2008.

Walker,RB, Wilson,BJ and Patterson,BD

Walker,RB, Wilson,BJ and Patterson,BD. "An innovative doctor of pharmacy degree". *1st National Health Sciences Education Conference*. Stellenbosch University, Stellenbosch. South Africa. June 2008.

Wrench,W and Srinivas,CS

Wrench ,W and Srinivas,CS. "Practice implications of a new service learning elective for pharmacy students". *22nd Annual SAAHIP Conference*. Drakensburg, Drakensberg. South Africa. January 2008. 1.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

ii. International Conferences

Au,WL, Skinner,MF and Kanfer,I

Au,WL, Skinner,MF and Kanfer,I. "Bioequivalence assessment of topical clobetasol propionate products using visual and chromametric assessment of skin blanching". *Canadian Society for Pharmaceutical Sciences, 11h Annual Meeting*. Banff Conference Centre, Banff. Canada. January 2008.

Cassim,L and Daya,S

Cassim,L and Daya,S. "5-Fluorouracil counters melatonin-induced alterations in locomotor activity". *Measuring Behaviour*. University of Maastricht, Maastricht. Netherlands. August 2008. 259.

Daya,S and Muller,A

Daya,S and Muller,A. "Acyclovir inhibits tryptophan 2,3-dioxygenase enzyme and induces a concomitant rise in serotonin and 5-hydroxyindoleacetic acid levels in the brain". *CINP Congress*. Munich Congress Center, Munich. Germany. July 2008. 11. 219-220.

Dowse,R and Mwingira,B

Dowse,R and Mwingira,B. "Written medicines information for HIV/AIDS patients: how much is enough? ". *68th International Congress of FIP*. Basel Conference Centre, Basel. Switzerland. August 2008.

Kertland,H

Kertland,H. "New antiplatelet agents". *Contemporary Issues in Cardiology, Nephrology and Diabetes*. Sutton Place Hotel, Toronto. Canada. April 2008.

Kertlandh,H

Kertlandh,H. "New antiarrhythmic agents". *Contemporary Issues in Cardiology, Nephrology and Diabetes*. Sutton Place Hotel, Toronto. Canada. April 2008.

Khamanga,SMM, Walker,RB, Parfitt,NR, Haidula,H and Nyamuzihwa,T

Khamanga,SMM, Walker,RB, Parfitt,NR, Haidula,H and Nyamuzihwa,T. "Microencapsulation of drugs with Eudragit® RS/RL polymers". *American Association of Pharmaceutical Scientists Annual Meeting and Exposition*. Georgia Convention Center, Atlanta. United States of America. November 2008. 10 S2.

Mahasele,P and Srinivas,CS

Mahasele,P and Srinivas,CS. "Operational research in HIV/AIDS program in public health sectors in Grahamstown, South Africa". *3rd International Conference on HIV Treatment Adherence*. Jersey City, New Jersey. United States of America. March 2008.

Mogatle,S, Skinner,MF, Mills,E and Kanfer,I

Mogatle,S, Skinner,MF, Mills,E and Kanfer,I. "Effect of african potato (*Hypoxis hemerocallidea*) on the pharmacokinetics of efavirenz in healthy male volunteers". *Canadian Society for Pharmaceutical Sciences, 11th Annual Meeting*. Banff Conference Centre, Banff. Canada. June 2008.

Patnala,S and Kanfer,I

Patnala,S and Kanfer,I. "Quality and composition of *Sceletium* plant material for use as phytomedicines". *World Conference on Medicinal and Aromatic Plants (WOCMAP)*. Cape Town International Conference Centre , Cape Town. South Africa. November 2008.

Tandlich,R

Tandlich,R, Zuma,BM, Whittington-Jones,KJ and Burgess,JE. "Treatment for reuse of greywater and the elimination of associated health risks". *Society for Environmental Geochemistry and Health Conference*. Athens. Greece. March 2008.

Tandlich,R, ZumaBM, Dyongman,SA and Slaughter,A. "Characterization of greywater from selected sites in South Africa for potential reuse in irrigation". *IASTED International Conference on Water Resource Management (AfricaWRM 2008)*. Gaborone, Botswana, September 2008.

Tetty-Amlalo,R and Kanfer,I

Tetty-Amlalo,R and Kanfer,I. "Rapid UPLC-MS/MS method for the determination of ketoprofen in human dermal microdialysis samples". *19th International Symposium on Pharmaceutical and Biomedical Analysis*. Gdańsk, Gdańsk. Poland. June 2008.

Walker,RB

Walker,RB. "Paediatric drug product development: opportunities and challenges". *The 14th United Kingdom Ireland Controlled Release Society (UKICRS) Symposium*. Merck Sharp and Dohme, Hertfordshire. United Kingdom. January 2008.

Walker,RB and Chaibva,FA

Walker,RB and Chaibva,FA. "Pharmacokinetic simulations in sustained release dosage form development using Matlab® and Simulink®". *The 35th Annual Meeting and Exposition of the Controlled Release Society*. New York Hilton, New York City. United States of America. July 2008.

Walker,RB and Chaibva,FA. "The use of pharmacokinetic simulations to predict drug plasma concentrations for sustained release formulations". *The 14th International Pharmaceutical Technology Symposium*. Kervansaray Hotel Lara, Antalya. Turkey. September 2008.

Walker,RB and Wa Kasongo,K

Walker,RB and Wa Kasongo,K. "Investigation of solid lipid nanoparticles as potential drug carrier systems for the delivery of didanosine to the central nervous system". *The 14th International Pharmaceutical Technology Symposium*. Kervansaray Hotel Lara, Antalya. Turkey. September 2008.

Walker,RB, Khamanga,SMM and Haidula,H

Walker,RB, Khamanga,SMM and Haidula,H. "Factorial design for the microencapsulation of carbamazepine (CBZ) with Eudragit® and polyethylene glycol". *The 35th Annual Meeting and Exposition of the Controlled Release Society*. New York Hilton, New York City. United States of America. July 2008.

Walker,RB, Khamanga,SMM and Nyamuzihwa,T

Walker,RB, Khamanga,SMM and Nyamuzihwa,T. "Preparation of verapamil microspheres by solvent evaporation". *The 35th Annual Meeting and Exposition of the Controlled Release Society*. New York Hilton, New York City. United States of America. July 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Kanfer,I**

Kanfer,I. Invited Lecture. "Prescribing generic medicines – an act of faith?". South African Society of Psychiatrists Conference (SASOP). Fancourt. George, South Africa. 12 August 2008.

Kertland,H

Kertland,H. Workshop leader. "Anticoagulation - a survivor's guide". Advanced Cardiovascular Course for Pharmacists. University of Toronto. Toronto, Canada. 10 September 2008.

INTERNATIONAL VISIT**Kanfer,I**

Kanfer,I. Shanghai University of Traditional Chinese Medicines, Shanghai, China. Invited lecture: development of dissolution tests for the quality control of complementary/alternate and traditional medicines. Current Performance Testing for Pharmaceutical and TCM Dosage Forms Workshop. 24 - 26 October 2008.

Srinivas,SC

Srinivas,SC. Al-Ameen College of Pharmacy, Bangalore, India. Guest lecture to M.Pharm (pharmacy practice) students: access of essential medicines in developing countries. 12 January 2008.

Srinivas,SC. PES Medical Institute, Kuppam, India. Guest lecture for first year medical students: access of essential medicines: challenges in India. 20 January 2008.

Srinivas,SC. PES College of Pharmacy, Bangalore, India. Guest lectures to final year pharmacy students: public health and rational use of medicines. 22 February - 4 March 2008.

Srinivas,SC. PES Medical Institute, Kuppam, India. Guest lecture for third year medical students, interns and faculty members: critical appraisal skills for rational use of medicines: one way of handling pharmaceutical pressures. 21 March 2008.

Srinivas,SC. PES Medical Institute , Kuppam, India. Guest lecture for medical college faculty members - outcomes based education: personal reflection of an educator. 21 March 2008.

Srinivas,SC. SSM School, Bangalore, India. Guest lecture for Grade 8 and Grade 9 students. Health promotion: understanding *Diabetes mellitus* and hypertension. 25 March 2008.

Srinivas,SC. Bangalore Institute of Oncology, Bangalore, India. Guest lecture for doctors and other health care professionals. Safe use of medicines: role of hospital pharmacy and therapeutics committee. 25 March 2008.

Srinivas,SC. SSM School , Bangalore, India. Guest lecture for grade 10 students: career options in health care. 25 March 2008.

Srinivas,SC. Bangalore Rotary members, Bangalore, India. Guest lecture for Rotary club members in Bangalore: safe use of medicines in families. 26 March 2008.

Srinivas,SC. Karuna Trust (NGO heading Primary Health care Centers in Karnataka), Mysore, India. Guest lectures for doctors and pharmacists on: rational use of medicines. April 2008.

Srinivas,SC. World Health Organisation, Geneva, Switzerland. Training on health and human rights. 9 - 10 June 2008.

Walker,RB

Walker,RB. School of Pharmacy, Aston University, Birmingham, United Kingdom. Paediatric drug delivery. 20 - 28 January 2008.

DISTINGUISHED VISITORS

Patterson,BD

Dr BD Patterson. North Dakota State University, Fargo, United States of America. Preceptor and collaboration for the Doctor of Pharmacy Programme. Feb - May 2008.

JOURNAL SUBSIDY UNITS	UNITS
Au,WL, Skinner,MF and Kanfer,I	
<i>Au,WL, Skinner,MF and Kanfer,I.</i> "Bioequivalence assessment of topical clobetasol propionate products using visual and chromametric assessment of skin blanching". Journal of Pharmacy and Pharmaceutical Sciences. 2008. 11(1),160-166.	1.00
Afolayan,A and Beukes,D	
<i>Afolayan,A, Bolton,J, Lategan,C, Smith,P and Beukes,D.</i> "Fucoxanthin, tetraprenylated toluquinone and tolhydroquinone metabolites from <i>Sargassum heterophyllum</i> inhibit the <i>in vitro</i> growth of the malaria parasite <i>Plasmodium falciparum</i> ". Zeitschrift Fur Naturforschung C-A Journal of Biosciences. 2008. 63(c),848-852.	0.40
Daya,S	
<i>Dairam,A, Fogel,R, Daya,S and Limson,JL.</i> "Antioxidant and iron-binding properties of curcumin, capsaicin, and S- allylcysteine reduce oxidative stress in rat brain homogenate". Journal of Agricultural and Food Chemistry. 2008. 56(9),3350-3356.	0.25
Dowse,R	
<i>Dowse,R, Hunt,S and La Rose,C.</i> "Health literacy assessment: relexicalising a U.S. test for a South African population ". Southern African Linguistics and Applied Language Studies. 2008. 26(2),267-281.	0.34
Futter,B	
<i>Anderson,C, Bates,I, Beck,D, Brock,T, Futter,B, Mercer,H, Rouse,M, Wuliji,T and Yonemura,A.</i>	0.11

"The WHO UNESCO FIP pharmacy education taskforce: enabling concerted and collective global action". American Journal of Pharmaceutical Education. 2008. 72(6),1-6.	
Kanfer,I	
Wei,H, Dalton,C, Di Maso,M, <i>Kanfer,I</i> and Löbenberg,R. "Physiochemical characterization of five glyburide powders: a BCS based approach to predict oral absorption". European Journal of Pharmaceutics and Biopharmaceutics. 2008. 69,1046-1056.	0.20
<i>Kanfer,I</i> . "Concerns about the safety and efficacy of obesity agents from a manufacturing perspective". Postgraduate Medicine. 2008. 120(2),42-45.	1.00
Kanfer,I and Patnala,S	
<i>Kanfer,I</i> and <i>Patnala,S</i> . "A capillary zone electrophoresis method for the assay and quality control of mesembrine in <i>sceletium</i> tablets". Journal of Pharmaceutical and Biomedical Analysis. 2008. 48,440-446.	1.00
Muller,A and Daya,S	
<i>Muller,A</i> and <i>Daya,S</i> . "Acyclovir inhibits rat liver tryptophan- 2,3-dioxygenase enzyme and induces a concomitant rise in brain serotonin and 5-hydroxyindole acetic acid levels". Metabolic Brain Disease. 2008. 23(3),351- 360.	1.00
Nair,VDP and Kanfer,I	
<i>Nair,VDP</i> and <i>Kanfer,I</i> . "Development of dissolution tests for the quality control of complementary/alternate and traditional medicines: application to african potato products". Journal of Pharmacy and Pharmaceutical Sciences. 2008. 11(3),15-24.	1.00
<i>Nair,VDP</i> and <i>Kanfer,I</i> . "Sterols and sterolins in hypoxis hemerocallidea (african potato)". South African Journal of Science. 2008. 104, 322-324.	1.00
Patnala,S and Kanfer,I	
<i>Patnala,S</i> and <i>Kanfer,I</i> . "Investigations of the phytochemical content of <i>sceletium tortuosum</i> following the preparation of " <i>kougoed</i> " by fermentation of plant material". Journal of Ethnopharmacology. 2008. 121,86-91.	1.00
Tetty-Amlalo,R, Kanfer,I, Skinner,MF and Verbeeck,RK	
<i>Tetty-Amlalo,R</i> , <i>Kanfer,I</i> , <i>Skinner,MF</i> , Benfeldt,EM and <i>Verbeeck,RK</i> . "Application of dermal microdialysis for the evaluation of bioequivalence of a ketoprofen topical gel". European Journal of Pharmaceutical Sciences. 2008. 36,219-225.	0.80
Walker,RB	
<i>Walker,RB</i> , Mohammadi,A, Amini,M, Pirali Hamedani,M and Heidari Torkabadi,H. "Study of the formation of artifacts following dichloromethane reaction with some nitrogenous drugs". Asian Journal of Chemistry. 2008. 20(7), 5573-5580.	0.20
<i>Walker,RB</i> and Attaran,A. "Shoppers drug mart or poachers drug mart?". Canadian Medical Association Journal. 2008. 178(3),265-266.	0.50
<i>Walker,RB</i> , Mills,E, Schabas,WA, Volmink,J, Ford,N, Katabira,E, Anema, A, Joffres,M, Cahn,P and Montaner,J. "Should active recruitment of health workers from Sub-Saharan Africa be viewed as a crime?". Lancet. 2008. 371,685- 688.	0.10
TOTAL	9.90

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Beukes	Sunkel	M	0.33
Dowse	Ramela	M	1.0
Futter	Oltmann	D	1.5
Kanfer	Mogatle	M	1.0
Kanfer	Tetty-Amlalo	D	3.0
TOTAL			6.83

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Generic drug product development: bioequivalence issues	Introduction: bioequivalence issues	Kanfer I (Shargel L)
Generic Drug Product Development: bioequivalence issues	Pharmaceutical alternatives: consideration for generic substitution	Walker RB, Kanfer I (Verbeeck RK)
Generic Drug Product Development: bioequivalence issues	Effect of food on bioavailability and the assessment of bioequivalence	Kanfer I (Dalhoff K)
Drugs and the Pharmaceutical Sciences: Modified-Release Drug Delivery : Second edition	Modified release delivery systems for oral use	Walker, RB

PHILOSOPHY

2008 was a particularly successful year in terms of research activity in the Department of Philosophy, with great contributions from both staff and postgraduate students.

Publications

Research outputs that appeared in print in 2008 include:

- 5 papers in refereed journals
- 1 chapter in an edited collection
- 1 book (co-edited by Samantha Vice)
- 1 special issue of the *South African Journal of Philosophy* devoted to papers on African Philosophy (guest edited by Pedro Tabensky).

Research outputs produced in 2008, but which will only appear in print in 2009 include:

- 9 papers in accredited journals
- 4 chapters in edited collections
- 1 book (edited by Pedro Tabensky), with possibly a second (co-edited by Ward Jones and Samantha Vice).

We consider this to be a healthy rate of publication for a department of our size. In addition to these specific outputs, Ward Jones has continued to be the editor of *Philosophical Papers*, the premier philosophy journal in South Africa.

Conferences

In 2008 there were a total of 19 presentations made by departmental staff and postgraduate students at conferences, both local and international.

In addition, the department hosted the annual *Philosophy Spring Colloquium* in September, attracting participants from across the country.

Postgraduates

We are particularly delighted with the recent research performance of our postgraduate students. For some time now, the department has focused on getting postgraduate students involved in its research and other intellectual activities. We encourage students to be involved in the department's research seminars and reading groups, and to participate in local conferences. In 2008, this approach bore much fruit. A total of 10 papers were presented at conferences by postgraduate students, and 1 paper by a PhD student (Rianna Oelofsen) appeared in an accredited journal. In addition to this, a further 6 papers by philosophy postgraduates were accepted for publication in accredited journals in 2008, though they will only appear in print in 2009. Needless to say, the department is extremely proud of its postgraduate class.

DR TOM MARTIN
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Jones,WE

Jones,WE. "Philosophical Papers". Jones, WE (Ed) *Philosophical Papers*. Department of Philosophy. South Africa. 2008. 500 pp.37(1-3).

Tabensky,PA

Tabensky,PA. "South African Journal of Philosophy". Tabensky, PA (Ed) *South African Journal of Philosophy*. Philosophical Society of Southern Africa. South Africa. 2008. 155 pp.27(4).

Tabensky,PA. "The positive function of evil". Palgrave. London. First Edition. 2008. (In Press).

Tabensky,PA. "Philosophy and happiness". Palgrave. London. First Edition. 2008. (Chapter 3). (In Press).

Vice,S

Vice,S. "The moral life: essays in honour of John Cottingham".Vice,S and Athanassoulis, N (Eds). Palgrave Macmillan. United Kingdom. First Edition. 2008. 278 pp.

Vice,S. "The insignificance of the self: partiality and spirituality". In: The moral life: essays in honour of John Cottingham. Palgrave Macmillan. United Kingdom. 2008. 9-30. ISBN: 978-0-230-52756-0.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**Kumar,C**

Kumar,C. "Analytical Marxism and Foucault's theory of "disciplinary power"". *Imprints: Egalitarian Theory and Practice*. 2008. 10(2),

Kumar,C. "A pragmatic spin on analytical marxism and methodological individualism". *Philosophical Papers*. 2008. 37(2),185-211.

Mitova,V

Mitova,V. "Why WK Clifford was a closet pragmatist". *Philosophical Papers*. 2008. 37(3),471-489.

Mitova,V. "Why pragmatic justifications of epistemic norms don't work". *South African Journal of Philosophy*. 2008. 27(2),141-152.

Oelofsen,R

Oelofsen,R. "Group responsibility in the aftermath of Apartheid". *South African Journal of Philosophy*. 2008. 27(4),340-352.

Tabensky,PA

Tabensky,PA. "The postcolonial heart of African philosophy". *South African Journal of Philosophy*. 2008. 27(4),285-295.

OTHER PUBLICATIONS**Vice,S**

Vice,S. "Things matter - review of David Parker's 'the self in moral space'". In: The Times Literary Supplement. Stothard, P (Ed) The Times Literary Supplement Ltd. United Kingdom. 2008. Aug 8 2008, 28.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)**i. Local Conferences****Dewhurst,T**

Dewhurst,T. "The epistemology of testimony". *Philosophy Spring Colloquium*. Rhodes University, Grahamstown. South Africa. September 2008.

Euvrard,J

Euvrard,J. "Shame and audience". *Philosophy Spring Colloquium*. Rhodes University, Grahamstown. South Africa. September 2008.

Hamilton,K

Hamilton,K. "Collective forgiving". *Postgraduate Philosophy Association*. University of Johannesburg, Johannesburg. South Africa. March 2008.

Hamilton,K. "Choosing to forgive". *Philosophy Spring Colloquium*. Rhodes University, Grahamstown. South Africa. September 2008.

Hoffmann,N

Hoffmann,N. "The case of thy blood or mine". *Philosophy Spring Colloquium*. Rhodes University, Grahamstown. South Africa. September 2008.

Jones,WE

Jones,WE. "The philosophical reading". *Philosophical Society of Southern Africa*. University of Pretoria, Pretoria. South Africa. January 2008.

Kelland,LA

Kelland,LA. "Dismantling desert". *Philosophy Spring Colloquium*. Rhodes University, Grahamstown. South Africa. September 2008.

Mitova,V

Mitova ,V. "Why instrumental justifications of epistemic norms can never work". *Annual Conference of Philosophical Society of Southern Africa*. University of Pretoria, Pretoria. South Africa. January 2008.

Mitova,V. "Doxastic responsibility". *Responsibility*. Wits, Johannesburg. South Africa. September 2008.

Mitova,V. "The metaethics of belief". *Philosophy Spring Colloquium*. Rhodes University, Grahamstown. South Africa. September 2008.

Oelofsen,R

Oelofsen,R. "Towards a theory of reconciliation". *Philosophical Society of Southern Africa Conference*. University of Pretoria, Pretoria. South Africa. January 2008.

Oelofsen,R. "Reconciliation: de- and re-Humanizing the other". *Postgraduate Philosophy Association*. University of Johannesburg, Johannesburg. South Africa. March 2008.

Oelofsen,R. "Reconciliation and the 'axe' of justice". *Philosophy Spring Colloquium*. Rhodes University, Grahamstown. South Africa. September 2008.

Paphitis,s

Paphitis,s. "Boo philosophy, hurrah philosophy". *Philosophy Spring Colloquium*. Rhodes University, Grahamstown. South Africa. September 2008.

Tabensky,PA

Tabensky,PA. "Tragic joyfulness". *Philosophy Spring Colloquium*. Rhodes University, Grahamstown. South Africa. September 2008.

Tabensky,PA. "Radical optimism". *Responsibility*. Wits, Johannesburg. South Africa. September 2008.

Terlazzo,R

Terlazzo,R. "Apparent inconsistency". *Philosophy Spring Colloquium*. Rhodes University, Grahamstown. South Africa. September 2008.

Vice,S

Vice,S. "Alienation, demandingness and impartial goods". *Philosophical Society of Southern Africa Conference*. The University of Pretoria, Pretoria. South Africa. January 2008.

Williamson,FX

Williamson,FX. "Answering Dawkins' unanswerable argument". *Annual Conference of the Philosophical Society of Southern Africa*. University of Pretoria, Pretoria. South Africa. January 2008.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

ii. International Conferences

Jones,WE

Jones,WE. "The Products of Philosophy". *Intellectuals - Knowledge, Power and Ideas*. Hotel Gellert, Budapest. Hungary. May 2008.

Mitova,V

Mitova,V. "A quasi-pragmatist explanation of our ethics of belief". *4th meeting on pragmatism: truth and the ethics of belief*. University of Murcia, Murcia. Spain. June 2008.

Tabensky,PA

Tabensky,PA. "Wisdom's Poetry". *Literature and philosophy*. University of Sussex, Brighton. United Kingdom. June 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Jones,WE**

Jones,WE. Paper presentation. *"The responsibilities of philosophers"*. Responsibility. Wits. Johannesburg, South Africa. 30 - 31 August 2008.

DISTINGUISHED VISITORS

Professor Brian Mooney, Singapore Management University. Postgraduate seminar course and presented papers to both the Department of Philosophy and the School of Languages.

Professor Bruce Janz, Central Florida University. Post-graduate seminar course, was keynote speaker at the *Philosophy Spring Colloquium*, and presented papers to both the Faculty of Humanities and the Department of Philosophy.

Professor Kendall Walton, University of Michigan. Presented papers to both the Faculty of Humanities and the Department of Philosophy.

Professor Thaddeus Metz, University of the Witwatersrand. Presented lectures to undergraduate students and participated in a day-long postgraduate workshop.

JOURNAL SUBSIDY UNITS	UNITS
Kumar,C	
<i>Kumar,C.</i> "A pragmatic spin on analytical marxism and methodological individualism". <i>Philosophical Papers</i> . 2008. 37(2),185-211.	1.00
Mitova,V	
<i>Mitova,V.</i> "Why WK Clifford was a closet pragmatist". <i>Philosophical Papers</i> . 2008. 37(3),471-489.	1.00
<i>Mitova,V.</i> "Why pragmatic justifications of epistemic norms don't work". <i>South African Journal of Philosophy</i> . 2008. 27(2),141-152.	1.00
Oelofsen,R	
<i>Oelofsen,R.</i> "Group responsibility in the aftermath of Apartheid". <i>South African Journal of Philosophy</i> . 2008. 27(4),340-352.	1.00
Tabensky,PA	
<i>Tabensky,PA.</i> "The postcolonial heart of african philosophy". <i>South African Journal of Philosophy</i> . 2008. 27(4),285-295.	1.00
TOTAL	5.00

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Vermaak	Hawkes	M	0.5
Vice	Moore	M	0.5
TOTAL			1.0

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
The moral life: essays in honour of John Cottingham	The insignificance of the self: partiality and spirituality	Vice, S

PHYSICS AND ELECTRONICS

The Department has been quite productive in 2008, with many papers and contributions to national and international conferences as indicated by our submissions.

Theoretical Nuclear Physics

The year 2008 was quite productive in Theoretical Nuclear Physics, with 7 published papers in international peer-reviewed journals, including one in Physical Review Letters. Most of the research centered on the Multi-Channel Algebraic Scattering (MCAS) Theory, involving the collaboration with the University of Melbourne (Australia), the University of Padova (Italy), and the University of Manitoba (Canada). There were also papers on exotic nuclei and intermediate energy nucleon-nucleus, the latter involving the collaboration with the Nuclear Physics Group of the CEA/Bruyeres-le-Chatel in France.

The MCAS development has continued, and the subject of the Physical Review Letter was the use of resonance states in the coupled-channel formalism. That is of great interest as research is now being done in coupled-channel studies involving target states of exotic nuclei, and those may be resonances themselves. That has formed part of the PhD Thesis of Mr Paul Fraser, of the University of Melbourne, and he has now submitted his PhD, part of which was done at Rhodes University in 2007.

Prof Steven Karataglidis attended the SAIP Meeting at the University of Limpopo in Polokwane in July, 2008, and his work was also presented at various international meetings by his collaborators. He visited the University of Melbourne and Brookhaven National Laboratory in December 2008, as well as CERN and CEA/Saclay in September, 2008. At CERN he visited the ISOLDE Facility, which conducts experiments using exotic nuclear beams, and was hosted by Dr Yorick Blumenfeld, the Head of Isolde, and Dr Emmanuel Tsesselis. The visit to CERN was part of the SA-CERN Programme, of which Prof Karataglidis is the head of the Theory Section.

Luminescence Research Group

The following were some of the main activities of the Luminescence Research Group in 2008. Professor ML Chithambo organized the 2nd International Symposium on Luminescence. The meeting took place in Port Elizabeth in July 2008 and was held under the auspices of financial support from the National Research Foundation (NRF) and the Swiss National Science Foundation. The main aim of the symposium was to discuss the latest developments in the theory and application of luminescence techniques in the study of defect and dosimetry properties of synthetic and natural materials.

The Luminescence Group hosted, at various times in 2008, Dr Martin Ntwaeaborwa from the University of the Free State and Professor Emmanuel Sendezera from the University of Zululand. Prof Chithambo also visited the Helsinki University of Technology, Finland, November 2008. The visit was sponsored by the NRF.

Research papers were presented at various conferences. Prof. M L Chithambo continued to serve as reviewer for several international journals.

Astrophysics Group

Radio astronomy research continues to be associated with participation in the international Square Kilometre Array (SKA) project, the design and development of the MeerKAT radio telescope, and the C-BASS experiment (a collaboration between Caltech, JPL, Oxford, Manchester, HartRAO and Rhodes). Prof Justin Jonas has a joint appointment with the SKA South Africa Project Office (a business unit of the NRF), and holds the position of Associate Director: Science & Engineering. Together with Prof Roy Booth (Visiting Professor in the Department), he represents South Africa on the international SKA Science and Engineering Committee (SSEC), and was elected to the four person Executive of the SSEC. Prof Jonas presented invited papers on the MeerKAT telescope at conferences in Perth, Chicago and Madison, and attended SKA meetings in Perth, Liverpool and Washington DC. PhD students Laura Richter and Kim Mcalpine have close research ties with the University of Illinois and Oxford University respectively, with senior faculty members at those institutions assisting with their thesis supervision. Ms Richter spent an extended period at the National Center for Supercomputing Application (NCSA) at the University of Illinois, Ms Mcalpine attended a European Commission sponsored workshop at ASTRON in the Netherlands, and Prof Jonas made a short research visit to the Astrophysics Group at Oxford.

Ionospheric Physics Group

The Rhodes ionospheric research group in collaboration with the Hermanus Magnetic Observatory had an extremely busy and productive year in 2008. Four MSc students successfully completed their degrees and will graduate from Rhodes in April 2009, three of them with distinction. Of those four, three of them have now registered for their PhD degrees and have also produced their first ISI journal papers.

Two PhD students in the group received young scientist awards to travel to Chicago in the USA to attend the International Union of Radio Science (URSI) general assembly and to present on their results. Dr McKinnell travelled with them and also attended the Committee on Space Physics Research (COSPAR) Scientific Assembly in Montreal, Canada. Between these two events a total of 8 papers were presented from the group.

In addition to conference attendance Dr McKinnell spent time on scientific research visits to the USA, Czech Republic and Argentina. In return the group hosted Dr Dalia Buresova from the Czech Republic, Prof Martin Friedrich from Austria and Dr Dieter Bilitza from the USA. The group also hosted visitors from Zambia who are trying to set up a Space Physics programme with assistance from South Africa.

A major highlight for 2008 was the installation of a new ionosonde in Hermanus. This marks the fourth South African ionosonde, and is a collaboration between Rhodes, HMO and the Department of Communications (DoC). The new ionosonde is a state of the art Digisonde, model DPS-4D, and brings remarkable capabilities to the group.

PROFESSOR STEVEN KARATAGLIDIS
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Chithambo,ML

Chithambo,ML. "Dependence of luminescence lifetimes on additive irradiation in natural sedimentary quartz: sands from Santa Elina". *Physica Status Solidi C-Current Topics in Solid State Physics*. 2008. 5(2),630-633.

Chithambo,ML. "Phosphorescence of orthopaedic-grade ultra high molecular weight polyethylene". *Physica Status Solidi C-Current Topics in Solid State Physics*. 2008. 5(3),871-874.

Chithambo,ML, Ogundare,FO and Feathers,J. "Principal and secondary luminescence lifetime components in annealed natural quartz". *Radiation Measurements*. 2008. 43(1),1-4.

Chithambo,ML, Ogundare,FO, Feathers,J and Hong, DG. "On the dose-dependence of luminescence lifetimes in natural quartz". *Radiation Effects and Defects in Solids*. 2008. 163(12),945-953.

Ogundare,FO and *Chithambo,ML*. "The influence of optical bleaching on lifetimes and luminescence intensity in the slow component of optically stimulated luminescence of natural quartz from Nigeria". *Journal of Luminescence*. 2008. 128(10),1561-1569.

Jonas,JL

de Oliveira-Costa,A, Tegmark,M, Gaensler,BM, *Jonas,JL*, Landecker,TL and Reich,P. "A model of diffuse Galactic radio emission from 10 MHz to 100 GHz". *Monthly Notices of the Royal Astronomical Society*. 2008. 388(1),247-260.

Karataglidis,S

Dupuis,M, *Karataglidis,S*, Bauge,E, Delaroche,JP and Gogny,D. "Challenging nuclear structure models through a microscopic description of proton inelastic scattering off ²⁰⁸Pb". *Physics Letters B*. 2008. 665,152-156.

Fraser,P, Amos,K, Canton,L, Pisent,G, *Karataglidis,S*, Svenne,JP and van der Knijff,D. "Coupled-channel evaluations of cross sections for scattering involving particle-unstable resonances". *Physical Review Letters*. 2008. 101,242497-242500.

Fraser,P, Amos,K, Karataglidis,S, Canton,L, Pisent,G and Svenne,JP. "Two causes of nonlocalities in nucleon-nucleus potentials and their effects in nucleon-nucleus scattering". *European Physical Journal A*. 2008. 35,69-80.

Karataglidis,S and Amos,K. "On the excluded space in the Feshbach projection formalism". *Physics Letters B*. 2008. 660,428-431.

Karataglidis,S, Amos,K, Fraser,P, Canton,L and Svenne,JP. "Constraints on the spectra of ^{17}F and ^{19}F ". *Nuclear Physics A*. 2008. 813,235-251.

Kim,YJ, Amos,K, Karataglidis,S and Richter,WA. "Microscopic model analyses of proton scattering from ^{12}C , ^{20}Ne , ^{24}Mg , ^{28}Si , and ^{40}Ca ". *Nuclear Physics A*. 2008. 807,119-144.

Ohrn,A, Ohrn,A, Blomgren,J, Blomgren,J, Karataglidis,S, Andersson,P, Atac,A, Gustavsson,C, Klug,J, Mermoud,P, Pomp,S, Wolniewicz,P, Osterlund,M, Nilsson,L, Bergenwall,B, Elmgren,K, Olsson,N, Tippawan,U, Dangtip,S, Phansuke,P, Nadel-Turonski,P, Jonsson,O, Prokofiev,A, Renburg,P-U, Blideanu,V, Le Brun,C, Lecolley,FR, Louvel,M, Marie-Noury,N, Schweitzer,C, Eudes,P, Haddad,F, Bauge,E, Delaroche,JP, Girod,M, Ledoux,X, Amos,K, Crespo,R and Haider,W. "Elastic scattering of 96 MeV neutrons from iron, yttrium, and lead". *Physical Review C*. 2008. 77,24604-24594.

Leeuw,LL

Leeuw,LL, Davidson,J, Dowell,CD and Matthews,HE. "Spatially resolved imaging at 350 microns of cold dust in nearby elliptical galaxies". *Astrophysical Journal*. 2008. 677,249-261.

Radomski,JT, Packham,C, Levenson,NA, Perlman,E, Leeuw,LL, Matthews,H, Mason,R, De Buizer,JM, Telesco,CM and Orduna,M. "Gemini imaging of mid-infrared emission from the nuclear region of Centaurus A". *Astrophysical Journal*. 2008. 681,141-150.

McKinnell,LA

McKinnell,LA. "Using neural networks to determine the optimum solar input for the prediction of ionospheric parameters". *Advances in Space Research*. 2008. 42(4),634-638.

Friedrich,M, Fankhauser,M, Oyeyemi,EO and McKinnell,LA. "A neural network based ionospheric model for Arecibo". *Advances in Space Research*. 2008. 42(4),776-781.

Nambala,FJ, McKinnell,LA and Oyeyemi,EO. "Variations in the ionospheric scale height parameter at the F2 peak over Grahamstown, South Africa". *Advances in Space Research*. 2008. 42(4),707-711.

Oyeyemi,EO and McKinnell,LA. "A new global F2 peak electron density model for the International Reference Ionosphere (IRI)". *Advances in Space Research*. 2008. 42(4),645-658.

Ngwira,CM and McKinnell,LA

Ngwira,CM, Pulkkinen,A, McKinnell,LA and Cilliers,PJ. "Improved modeling of geomagnetically induced currents in the South African power network". *Space Weather*. 2008. 6(S11004),1-8.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Chithambo,ML

Chithambo, ML. "A comparative analysis of time-resolved and continuous optical stimulation of luminescence". International Symposium on Luminescence, The Courtyard Hotel, Port Elizabeth, South Africa, 29 June – 4 July 2008.

Chithambo, ML. "On luminescence lifetime components in annealed natural quartz". International Symposium on Luminescence, The Courtyard Hotel, Port Elizabeth, South Africa, 29 June – 4 July 2008.

Sendezero, EJ, *Chithambo, M.L.* "Applications of positron annihilation spectroscopy in the study of defects in insulators". International Symposium on Luminescence, The Courtyard Hotel, Port Elizabeth, South Africa, 29 June – 4 July 2008.

Nyawo, T.G., Sendezera, E.J., *Chithambo, M.L.* "Towards the study of luminescence properties of synthetic quartz using time-resolved optical stimulation and positron annihilation spectroscopy." International Symposium on Luminescence, The Courtyard Hotel, Port Elizabeth, South Africa, 29 June – 4 July 2008.

Jonas, J.L.

Jonas, J.L. "How to build a radio telescope". *SKA-SA Bursary Student Conference*. University of Stellenbosch, Stellenbosch. South Africa. December 2008.

Karataglidis, S.

Karataglidis, S. "Constraints on the spectra of 17,19C". *SAIP Conference*. University of Limpopo, Polokwane. South Africa. July 2008.

McKinnell, L.A.

McKinnell, L.A. "An electron density profile model for the South African ionosphere". *The International Union of Radio Science General Assembly*. Hyatt Hotel, Chicago. United States of America. August 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

ii. International Conferences

Chithambo, M.L.

Chithambo, M.L. "Time-resolved optically stimulated luminescence: measurement and analysis". Invited paper. The Virtual Conference on Nanoscale Science and Technology, Fayetteville, Arkansas, USA, 24 – 29 July 2008.

Jonas, J.L.

Jonas, J.L. "MeerKAT science and technology". *Deep Surveys of the Radio Universe with SKA Pathfinders*. University of Western Australia, Perth. Australia. March 2008.

Jonas, J.L. "MeerKAT as an SKA pathfinder". *International Union of Radio Science XXIX General Assembly*. Hyatt Regency Chicago Hotel, Chicago. United States of America. August 2008.

Jonas, J.L. "MeerKAT update: the karoo array telescope". *The US Square Kilometre Array Consortium*. University of Wisconsin, Madison. United States of America. November 2008.

Karataglidis, S.

Amos, K., Fraser, P., van der Knijff, D., *Karataglidis, S.*, Svenne, J.P., Canton, L. and Pisent, G. "Structures of exotic nuclei from analyses of nucleon-nucleus scattering data". *Kernz08, Interfacing Structure and Reactions at the Centre of the Atom*. Millenium Hotel, Queenstown. New Zealand. December 2008.

Svenne, J.P., Amos, K., Fraser, P., van der Knijff, D., Canton, L., Pisent, G. and *Karataglidis, S.* "Coulomb energy differences and coulomb displacement energies from a coupled-channel scattering theory". *CAP2008*. University of Toronto, Toronto. Canada. July 2008.

McKinnell, L.A.

McKinnell, L.A. "Space weather over South Africa: progress towards a RWC for Africa". *International Space Environment Service (ISES) Annual RWC meeting*. Canadian Research Laboratory, Ottawa. Canada. July 2008.

McKinnell, L.A. "The progress of the South African Ionosonde network". *AIP conference*. Lowell, Massachusetts. United States of America. 2008. 974. 47-52.

McKinnell, L.A. and Oyeyemi, E.O. "Equatorial predictions from a new global foF2 model". *Committee on Space Research (COSPAR) Scientific Assembly*. Montreal Conference Centre, Montreal. Canada. July 2008.

INTERNATIONAL VISIT

Jonas,JL

Jonas,JL. University of Western Australia, Perth, Australia. SKA Science & Engineering Committee meeting. 7 - 11 April 2008.

Jonas,JL. Liverpool John Moores University, Liverpool, United Kingdom. ASTRONET Infrastructure Roadmap Symposium. 16 - 19 June 2008.

Jonas,JL. Oxford University, Oxford, United Kingdom. C-BASS and MeerKAT collaboration meetings. 3 November 2008.

Jonas,JL. National Science Foundation, Washington DC, United States of America. SKA Science & Engineering Committee Executive Committee meetings. 18 - 21 November 2008.

Karataglidis,S

Karataglidis,S. University of Melbourne, Melbourne, Australia. Research in low- and intermediate- energy nucleon-nucleus scattering. 2 November - 12 December 2008.

McKinnell,LA

McKinnell,LA. Goddard Space Flight Center, Washington, United States of America. Research visit. 22 July - 7 August 2008.

McKinnell,LA. CASLEO Institute, San Juan, Argentina. Research visit. 5 - 27 November 2008.

McKinnell,LA and Habarulema,JB

McKinnell,LA and *Habarulema,JB.* Department of Aeronomy, Czech Academy of Sciences, Prague, Czech Republic. Research Visit. 14 September - 2 October 2008.

INTERNATIONAL VISIT

Chithambo,ML

Chithambo, ML. Helsinki University of Technology, Finland, November 2008.

JOURNAL SUBSIDY UNITS	UNITS
Chithambo,ML	
Ogundare ,FO and <i>Chithambo,ML.</i> "The influence of optical bleaching on lifetimes and luminescence intensity in the slow component of optically stimulated luminescence of natural quartz from Nigeria". <i>Journal of Luminescence.</i> 2008. 128(10),1561-1569.	0.50
<i>Chithambo,ML,</i> Ogundare,FO, Feathers,J and Hong, DG. "On the dose- dependence of luminescence lifetimes in natural quartz". <i>Radiation Effects and Defects in Solids.</i> 2008. 163(12),945-953.	0.25
<i>Chithambo,ML,</i> Ogundare ,FO and Feathers,J. "Principal and secondary luminescence lifetime components in annealed natural quartz". <i>Radiation Measurements.</i> 2008. 43(1),1-4.	0.34
Jonas,JL	
de Oliveira-Costa,A, Tegmark,M, Gaensler,BM, <i>Jonas,JL,</i> Landecker,TL and Reich,P. "A model of diffuse Galactic radio emission from 10 MHz to 100 GHz". <i>Monthly Notices of the Royal Astronomical Society.</i> 2008. 388(1),247-260.	0.17
Karataglidis,S	
Fraser,P, Amos,K, <i>Karataglidis,S,</i> Canton,L, Pisent,G and Svenne,JP. "Two causes of nonlocalities in nucleon-nucleus potentials and their effects in nucleon-nucleus scattering". <i>European Physical Journal A.</i> 2008. 35,69-80.	0.17
<i>Karataglidis,S,</i> Amos,K, Fraser,P, Canton,L and Svenne,JP. "Constraints on the spectra of 17,19C". <i>Nuclear Physics A.</i> 2008. 813,235-251.	0.20
Kim,YJ, Amos,K, <i>Karataglidis,S</i> and Richter,WA. "Microscopic model analyses of proton scattering	0.25

from ^{12}C , ^{20}Ne , ^{24}Mg , ^{28}Si , and ^{40}Ca ". Nuclear Physics A. 2008. 807,119-144.	
Ohrn,A, Ohrn,A, Blomgren,J, Blomgren,J, <i>Karataglidis,S</i> , Andersson,P, Atac,A, Gustavsson,C, Klug,J, Mermoud,P, Pomp,S, Wolniewicz,P, Osterlund,M, Nilsson,L, Bergenwall,B, Elmgren,K, Olsson,N, Tippawan,U, Dangtip,S, Phansuke, P, Nadel-Turonski,P, Jonsson,O, Prokofiev,A, Renburg,P-U, Blideanu,V, Le Brun, C, Lecolley,FR, Louvel,M, Marie-Noury,N, Schweitzer,C, Eudes,P, Haddad,F, Bauge,E, Delaroche,JP, Girod,M, Ledoux,X, Amos,K, Crespo,R and Haider,W. "Elastic scattering of 96 MeV neutrons from iron, yttrium, and lead". Physical Review C. 2008. 77,24604-24594.	0.03
Fraser,P, Amos,K, Canton,L, Pisent,G, <i>Karataglidis,S</i> , Svenne,JP and van der Knijff,D. "Coupled-channel evaluations of cross sections for scattering involving particle-unstable resonances". Physical Review Letters. 2008. 101,242497-242500.	0.14
<i>Karataglidis,S</i> and Amos,K. "On the excluded space in the Feshbach projection formalism". Physics Letters B. 2008. 660,428-431.	0.50
Dupuis,M, <i>Karataglidis,S</i> , Bauge,E, Delaroche,JP and Gogny,D. "Challenging nuclear structure models through a microscopic description of proton inelastic scattering off ^{208}Pb ". Physics Letters B. 2008. 665,152-156.	0.20
Leeuw,LL	
<i>Leeuw,LL</i> , Davidson,J, Dowell,CD and Matthews,HE. "Spatially resolved imaging at 350 microns of cold dust in nearby elliptical galaxies". Astrophysical Journal. 2008. 677,249-261.	0.25
Radomski,JT, Packham,C, Levenson,NA, Perlman,E, <i>Leeuw,LL</i> , Matthews,H, Mason,R, De Buizer,JM, Telesco,CM and Orduna,M. "Gemini imaging of mid- infrared emission from the nuclear region of centaurus A". Astrophysical Journal. 2008. 681,141-150.	0.10
McKinnell,LA	
Nambala,FJ, <i>McKinnell,LA</i> and Oyeyemi,EO. "Variations in the ionospheric scale height parameter at the F2 peak over Grahamstown, South Africa". Advances in Space Research. 2008. 42(4),707-711.	0.34
Oyeyemi,EO and <i>McKinnell,LA</i> . "A new global F2 peak electron density model for the International Reference Ionosphere (IRI)". Advances in Space Research. 2008. 42(4),645-658.	0.50
Friedrich,M, Fankhauser,M, Oyeyemi,EO and <i>McKinnell,LA</i> . "A neural network based ionospheric model for Arcibo". Advances in Space Research. 2008. 42(4),776-781.	0.25
<i>McKinnell,LA</i> . "Using neural networks to determine the optimum solar input for the prediction of ionospheric parameters". Advances in Space Research. 2008. 42(4),634-638.	1.00
TOTAL	5.19

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
McKinnell	Lotz	M	0.25
McKinnell	Ngwira	M	0.25
McKinnell	Paradza	M	0.25
McKinnell	Uwamahoro	M	0.25
TOTAL			1.0

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
Radio Sounding and Plasma Physics Symposium; XI International Digisonde Forum	The progress of the South African Ionosonde network	McKinnell L

POLITICAL AND INTERNATIONAL STUDIES

In 2008, in addition to an exceptional number of research articles produced in peer reviewed academic journals, the Department was very active on the conference circuit as well as producing more popular pieces for the media. Professors Vale and Vincent as well as Dr Hoeane publish in the daily and weekly papers on a reasonably regular basis.

Professor Peter Vale's edited book which he coproduced with Professor Gary Baines of the History Department and published with Unisa Press has been well-received. Dr Leonhard Praeg was able to turn his M.Ed. thesis into a book which deals with the lecturer/student relationship in the changing world of higher education.

The Department published a large number of journal articles this year. What is particularly pleasing about this output is that it was not an isolated few members of the staff that were productive but rather that productivity and involvement in research is widespread with almost every member of the Department contributing. Moreover, what is noteworthy is that several of these publications are in very good international journals. The Department has, then, been able to maintain a high profile in both local and international publications.

PROFESSOR LOUISE VINCENT
ACTING HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Matthews,SJ

Matthews,SJ. "Book review: Grasping Africa: a tale of tragedy and achievement". *Journal of Contemporary African Studies*. Taylor and Francis. London. 2008. 26(4), 449-452. ISBN: 0258-9001.

Praeg,L

Praeg,L. "Teaching the difference - the lecturer/student relationship in the changing world of higher education". VDM Verlag Dr Muller. Germany. First Edition. 2008. 1-97. ISBN: 978-3-8364-3847-6.

Vale,P

Vale,P. "The cold war and South Africa: repetitions and revisions on a prolegomenon ". In: *Beyond The Border War: New Perspectives On Southern Africa's Late Cold War Conflicts*. Unisa Press. Johannesburg. First Edition. 2008. 22-41. ISBN: 978-1-86888-456-8.

Baines,G and Vale,P. "Beyond the Border War: new perspectives on Southern Africa's late Cold War conflicts". Baines,G and Vale, P (Eds). Unisa Press. Sputh Africa. First Edition. 2008. 340 pp.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Bischoff,PH

Bischoff,PH. "Pan-African multilateralism - transformative or disconnected?" *Politikon*. 2008. 35(2),177-196.

Hoeane,T

Hoeane,T. "Floor crossing in South Africa: entrenching or undermining democracy". *Politiea*. 2008. 27(2),70-88.

Kapa,M

Kapa,M. "The role and position of civil society organisations in Lesotho's democratisation process". *Journal of African Elections*. 2008. 7(1),124-137.

Magure,B

Magure,B. "The state, labour and the politics of social dialogue in Zimbabwe 1996-2007: issues resolved or matters arising?". *African and Asian Studies*. 2008. 7,19-48.

Matthews,SJ

Matthews,SJ. "The role of the privileged in responding to poverty: perspectives emerging from the post-development debate". *Third World Quarterly*. 2008. 29(6),1035-1049.

Pithouse,R

Pithouse,R. "A politics of the poor: shack dwellers' struggles in Durban". *Journal of Asian and African Studies*. 2008. 43(1),63-94.

Praeg,L

Praeg,L. "The aporia of collective violence". *Law and Critique*. 2008. 19,193-223.

Praeg,L. "An answer to the question: what is [ubuntu]?". *South African Journal of Philosophy*. 2008. 27(4),367-385.

Vale,P

Vale,P. "Lost horizons: the humanities in South Africa". *Arts and Humanities in Higher Education*. 2008. 7(2),117-130.

Vale,P. "Professor John Barratt: a tribute". *Journal of African Elections*. 2008. 6(2),220-224.

Vale,P. "Review: South Africa's transition: why the detail matters". *Journal of Contemporary African Studies*. 2008. 26(3),345-348.

Vale,P. "South African international relations: eight doodles". *Politica*. 2008. 27(2),104-119.

Vale,P. "Review: Policy lessons from an unexpected source". *Scientia Militaria: South African Journal of Military Studies*. 2008. 36(2),99-112.

Vincent,LD

Vincent,LD. "Steve Biko and Stoned Cherrie: Refashioning the body politic in democratic South Africa". *African Sociological Review*. 2007. 11(2),80-93.

Vincent,LD. "Boys will be boys: traditional Xhosa male circumcision, HIV and sexual socialisation in contemporary South Africa". *Culture, Health and Sexuality*. 2008. 10(5),431-446.

Vincent,LD. "The limits of interracial contact: stories from young South Africa". *Ethnic and Racial Studies*. 2008. 31(8),1426-1451.

Vincent,LD. "Cutting tradition: the political regulation of circumcision rites in South Africa's new democratic order". *Journal of Southern African Studies*. 2008. 34(1),77-91.

Vincent,LD. "New Magic for New Times: Muti Murder in Postcolonial South Africa". *Studies of Tribes and Tribals*. 2008. 2,43-53.

Vincent,LD. "Women's rights get a dressing down: the politics of mini skirt attacks in South Africa". *The International Journal of The Humanities*. 2008. 6,11-18.

OTHER PUBLICATIONS

Vale,P

Vale,P. "1968 and South Africa: where were we looking?". Vale, P (Ed) Goethe Institut. Denmark. 2008. <http://www.goethe.de/>, 1.

Vale,P. "Die VSA se nalatenskap". In: Die Vrye Afrikaan. Rousseau, J (Ed) Die ATKF. Pretoria. 2008. 5(1), 37-39.

Vale,P. "Leef gevaarlik - Hannah Arendt". In: Die Vrye Afrikaan. Rousseau, J (Ed) Die ATKF. Pretoria. 2008. 17-20.

Vale,P. "Migration and state-making: explaining xenophobia in South Africa". In: E-International Relations. Vale, P (Ed) E-International Relations. Britain. 2008. www.e-IR.info/?p=526, 1.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

i. Local Conferences

Hoeane,T

Hoeane,T. "Voter apathy and South Africa's democracy". The South African Association of Political Studies Annual Conference. SAAPS, Johannesburg. South Africa. September 2008.

Matthews,SJ

Matthews,SJ. "Differing interpretations of reconciliation in South Africa: a discussion of the home for all campaign". Biennial Conference of the South African Association of POLitical Studies: Debate, Dilemmas and Discord in Politics. Kopanong Conference Centre, Johannesburg. South Africa. September 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

ii. International Conferences

Bischoff,PH

Bischoff,PH. "African multilateralism: transformative or disconnected?". Second Global International Studies Conference. University of Ljubljana, Ljubljana. Slovenia. July 2008.

Praeg,L

Praeg,L. "Towards a political theology of terror and forgiveness". 2nd Annual Conference in the Human Condition Series. Laurentian University, Ontario. Canada. May 2008.

Vincent,LD

Vincent,LD. "Women's rights get a dressing down". 6th International Conference on New Directions in the Humanities. Fatih University, Istanbul. Turkey. July 2008.

DISTINGUISHED VISITORS

Vale,P

Professor P Vale. Rhodes University. South Africa. Business Forum Presentation. Feb - Jan 2008.

JOURNAL SUBSIDY UNITS	UNITS
Bischoff,PH	
<i>Bischoff,PH. "Pan-African multilateralism - transformative or disconnected?". Politikon. 2008. 35(2),177-196.</i>	1.00
Kapa,M	
<i>Kapa,M. "The role and position of civil society organisations in Lesotho's democratisation process". Journal of African Elections. 2008. 7(1),124-137.</i>	1.00
Magure,B	
<i>Magure,B. "The state, labour and the politics of social dialogue in Zimbabwe 1996-2007: issues resolved or matters arising?". African and Asian Studies. 2008. 7,19-48.</i>	1.00
Matthews,SJ	
<i>Matthews,SJ. "The role of the privileged in responding to poverty: perspectives emerging from the post-development debate". Third World Quarterly. 2008. 29(6),1035-1049.</i>	1.00
Pithouse,R	
<i>Pithouse,R. "A politics of the poor: shack dwellers' struggles in Durban". Journal of Asian and African Studies. 2008. 43(1),63-94.</i>	1.00
Praeg,L	
<i>Praeg,L. "The aporia of collective violence". Law and Critique. 2008. 19,193-223.</i>	1.00

<i>Praeg, L.</i> "An answer to the question: what is [ubuntu]?" . South African Journal of Philosophy. 2008. 27(4),367-385.	1.00
Vale, P	
<i>Vale, P.</i> "Professor John Barratt: a tribute ". Journal of African Elections. 2008. 6(2),220-224.	1.00
<i>Vale, P.</i> "Review: South Africa's transition: why the detail matters". Journal of Contemporary African Studies. 2008. 26(3),345-348.	1.00
<i>Vale, P.</i> "Review: Policy lessons from an unexpected source". Scientia Militaria: South African Journal of Military Studies. 2008. 36(2),99-112.	1.00
Vincent, LD	
<i>Vincent, LD.</i> "Steve Biko and Stoned Cherrie: Refashioning the body politic in democratic South Africa". African Sociological Review. 2007. 11(2), 80-93.	1.00
<i>Vincent, LD.</i> "Boys will be boys: traditional Xhosa male circumcision, HIV and sexual socialisation in contemporary South Africa". Culture, Health and Sexuality. 2008. 10(5),431-446.	1.00
<i>Vincent, LD.</i> "The limits of interracial contact: stories from young South Africa". Ethnic and Racial Studies. 2008. 31(8),1426-1451.	1.00
<i>Vincent, LD.</i> "Cutting tradition: the political regulation of circumcision rites in South Africa's new democratic order". Journal of Southern African Studies. 2008. 34(1),77-91.	1.00
<i>Vincent, LD.</i> "New Magic for New Times: Muti Murder in Postcolonial South Africa". Studies of Tribes and Tribals. 2008. 2,43-53.	1.00
TOTAL	15.00

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Bischoff	Radebe	M	0.5
Bischoff	Serrao	M	0.5
Fluxman	Fletcher	M	0.5
Matthews	McMichael	M	0.25
Matthews	Verhage	M	0.5
Praeg	Boughey	M	1.0
Vincent	Baillie	M	0.5
Vincent	Goga	M	0.5
Vincent	Manson	M	0.5
Vincent	Thorpe	M	0.5
TOTAL			5.25

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Beyond the Border War: new perspectives on Southern Africa's late-cold war conflicts	The cold war and South Africa: repetitions and revisions on a prolegomena	Vale, P

PSYCHOLOGY

2008 was a successful year for the Psychology Department in terms of its research. Our output is looking healthy, we hosted a number of international visitors and events, and our post-graduate research programme is doing well.

Nine of our staff members had their work published in 2008, resulting in 23 chapters and articles. Topics included:

- Development and validation of the Xhosa translation of the Beck inventories;
- Development and utilisation of a suicide risk assessment interview schedule;
- Assessment and treatment of post-abortion syndrome;
- Neurocognitive vulnerability and compromised visuomotor processing speed amongst rugby players;
- Incidence of concussive injury reported for follow-up management in the South African Rugby Union;
- Interactions with a child with autism;
- Postcolonialism in Psychology;
- Methodological issues in research on young women and abortion;
- Methodological issues in case studies;
- Intersubjectivity and the schizophrenic experience

We are particularly proud of the edited book produced by Clifford van Ommen, of Rhodes University, and Desmond Painter, previously of Rhodes University and now at University of Stellenbosch. This book, entitled *Interiors: A History of Psychology in South Africa*, has won critical acclaim within a short period of time. Three staff members (past and present) published chapters in the book.

The international stature of the department's research is evidenced in the fact that thirteen of the 2008 publications were in international journals or books, and that during 2008 one of our staff members, Prof Catriona Macleod, received a B rating from the National Research Foundation (B rating is described as "Researchers who enjoy considerable international recognition by their peers for the high quality of their recent research outputs").

In terms of conferences, papers were delivered at international conferences in Nigeria, the United Kingdom, Finland, Switzerland, and Spain. A further six papers were delivered at national conferences, one of which was a key-note address.

The Psychology Department hosted the Critical Methods Conference in 2008. This national conference attracted just over 40 delegates from all over South Africa. Key-note addresses were delivered by Prof Wendy Stainton Rogers of Open University, United Kingdom, and Prof Norman Duncan of the University of the Witwatersrand.

Other distinguished guests included Prof Ian Lubek of the University of Guelph, Canada, Prof Chabani Manganyi of the University of Pretoria and Prof Don Foster of the University of Cape Town. All three facilitated seminars with post-graduate students, and Prof Manganyi and Prof Foster delivered public lectures. Prof Manganyi'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.

Currently, we have a very healthy number of Masters and PhD students and there is a steady increase in applications for Masters by thesis and PhD. What is particularly pleasing is the number of the students who are co-publishing with their supervisors. One student, Tracy Morison, published a chapter on her own work.

PROFESSOR CATRIONA MACLEOD
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Bohmke, W

Bohmke, W and Tlali, T. "Bodies and behaviour: science, psychology, and politics in South Africa". In: Interiors: a history of psychology in South Africa. Unisa Press. Grahamstown. First Edition. 2008. 125-151. ISBN: 978-1-86888-448-3.

Macleod,CI

Macleod,CI and Bhatia,S. "Postcolonialism and psychology ". In: The SAGE Handbook of Qualitative Research in Psychology. Sage. London. First Edition. 2008. 576-589. ISBN: 978-1-4129-0780-4.

Morison,T

Morison,T. "Our "place in the family of things": a story of animals, (re)connection and belonging in the world". In: Toxic belonging? Identity and ecology in southern Africa. Cambridge Scholars Publishing. Newcastle upon Tyne. First Edition. 2008. 56-73. ISBN: 1-84718-514-2.

Painter,D and van Ommen,C

Painter,D and *van Ommen,C*. "Abbreviated histories: some concluding remarks". In: Interiors: a history of Psychology in South Africa. Unisa Press. Pretoria. First Edition. 2008. 436-446. ISBN: 978-1-86888-448-3.

van Ommen,C

van Ommen,C. "Introduction: approaching the histories of psychology". In: Interiors: a history of psychology in South Africa. Unisa Press. Pretoria. First Edition. 2008. 1-24. ISBN: 978-1-86888-448-3.

van Ommen,C. "Memory". In: Psychology: an introduction. Oxford University Press Southern Africa. Cape Town. Second Edition. 2008. ISBN: 9780195767391.

van Ommen,C. "Writing the histories of South African psychology". In: Interiors: a history of psychology in South Africa. Unisa Press. Pretoria. First Edition. 2008. 25-62. ISBN: 978-1-86888-448-3.

van Ommen,C and Painter,D

van Ommen,C and *Painter,D*. "Interiors: A history of psychology in South Africa".van Ommen,C and Painter, D (Eds). Unisa Press. Pretoria. First Edition. 2008. 485 pp.

Yen,J

Yen,J. "A history of community psychology in South Africa". In: Interiors: a history of psychology in South Africa. Unisa Press. Pretoria. First Edition. 2008. 385-412. ISBN: 978-1-86888-448-3.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**Bantjes,J and van Ommen,C**

Bantjes,J and *van Ommen,C*. "The development and utilisation of a suicide risk assessment interview schedule". *South African Journal of Psychology*. 2008. 38(2),391-411.

Boulind,MJ and Edwards,DJA

Boulind,MJ and *Edwards,DJA*. "The assessment and treatment of post-abortion syndrome: a systematic case study from Southern Africa". *Journal of Psychology in Africa*. 2008. 18(4),539-548.

Bradfield,BC and Knight,ZG

Bradfield,BC and *Knight,ZG*. "Intersubjectivity and the schizophrenic experience: a hermenteutic phenomenological exploration". *South African Journal of Psychology*. 2008. 38(1),33-53.

Edwards,DJA

Edwards,DJA. "Handling multiple levels of data and multiple research questions in an embedded case study: methodological challenges". *Pragmatic Case Studies in Psychotherapy*. 2008. 4(4), <http://pcsp.libraries.rutgers.edu/index.php/pcsp/article/view/946/2341>

Edwards,DJA and Steele,G

Edwards,DJA and *Steele,G*. "Development and validation of the Xhosa translations of the Beck inventories: 3. concurrent and convergent validity". *Journal of Psychology in Africa*. 2008. 18(2),227-236.

Geils,C

Geils,C and Knoetze,J. "Conversations with Barney: a conversation analysis of interactions with a child with autism". *South African Journal of Psychology*. 2008. 38(1),200-224.

Knoetze,J

Geils,C and Knoetze,J. "Conversations with Barney: a conversation analysis of interactions with a child with autism". *South African Journal of Psychology*. 2008. 38(1),200-224.

Macleod,CI

Macleod,CI. "Who? What?" An uninducted view of *Towards a new psychology of women* from post-apartheid South Africa". *Feminism and Psychology*. 2008. 18(3),347-357.

Macleod,CI. "Developing principles for research about young women and abortion: a feminist analysis of difficulties in current studies". *Feminist Africa*. 2008. 11,55-72.

Shuttleworth-Edwards,AB

Shuttleworth-Edwards,AB. "Central or peripheral? A positional stance in reaction to the Prague statement on the role of neuropsychological assessment in sports concussion management". *Archives of Clinical Neuropsychology*. 2008. 23(5),479-485.

Shuttleworth-Edwards,AB and Radloff,S. "Compromised visuomotor processing speed in players of Rugby Union from school through to the adult national level". *Archives of Clinical Neuropsychology*. 2008. 23(5),511-520.

Shuttleworth-Edwards,AB and Smith,IP

Shuttleworth-Edwards,AB, Smith,IP and Radloff,SE. "Neurocognitive vulnerability amongst university rugby players versus noncontact sport controls". *Journal of Clinical and Experimental Neuropsychology*. 2008. 30(8),870-884.

Shuttleworth-Edwards,AB, Whitefield,VJ, Clark,S, Essack,FB, Zoccola,D, Boulind,MJ, Case,SE, Smith,IP and Mitchell,JL

Shuttleworth-Edwards,AB, Noakes,TD, Radloff,SE, Whitefield,VJ, Roberts,CO, Clark,S, Essack,FB, Zoccola,D, Boulind,MJ, Case,SE, Smith,IP and Mitchell,JL. "The comparative incidence of reported concussions presenting for follow-up management in South African Rugby Union". *Clinical Journal of Sport Medicine*. 2008. 18(5),403-409.

Steele,G and Edwards,DJA

Steele,G and Edwards,DJA. "Development and validation of the Xhosa translations of the Beck inventories: 1. challenges of the translation process". *Journal of Psychology in Africa*. 2008. 18(2),207-216.

Steele,G and Edwards,DJA. "Development and validation of the Xhosa translations of the Beck inventories: 2. item analysis and internal consistency". *Journal of Psychology in Africa*. 2008. 18(2),217-226.

van Ommen,C

van Ommen,C. "States of Mind: searching for mental health in Natal and Zululand, 1868-1918' by Julie Parle". *South African Historical Journal*. 2007. 59,282-285.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)**i. Local Conferences****Appalsamy,P**

Appalsamy,P. "Consciousness and critical methods: learning from principles of quantum mechanics and spirituality". *Critical Methods Conference*. Rhodes University, Grahamstown. South Africa. July 2008.

Edwards,DJA

Edwards,DJA. "Using imagery techniques and behavioural experiments to integrate fragmented or dissociated trauma memories into autobiographical memory". *Trauma: contemporary psychotherapeutic approaches (a South African congress)*. Protea Hotel, George. South Africa. March 2008.

Macleod,CI

Macleod,CI. "Colonialism and the ideologies of 'adolescence': implications for current understandings of young women and reproduction". *Critical Methods Conference*. Rhodes University, Grahamstown. South Africa. July 2008.

Macleod,CI. "The role of critical psychology in community interventions: examples from teenage pregnancy and abortion". *Community Psychology Conference*. University of Zululand, KwaDlangezwa. South Africa. August 2008.

Macleod,CI. "Building systems through democratic leadership". *'Learning from the work of Professor Andrew Gilbert: Activity Theory, Local Knowledge, Cultural Psychology and Community Development' colloquium*. University of Fort Hare, East London. South Africa. September 2008.

Saville Young, L

Saville Young, L. "Discourse and psychoanalysis: Translating concepts into 'fragmenting' methodology". *Critical Methods Conference*. Rhodes University, Grahamstown. South Africa. July 2008.

van Ommen,C

van Ommen,C. "Race", culture, ethnicity: the importance of acknowledging the socio-political in normative data research". *South African Clinical Neuropsychology Association (SACNA) 11th National Conference*. Hotel Conference Venue, Durban. South Africa. January 2008.

van Ommen,C. "Planes of endurance". *Critical Methods Conference: 'Despair And Hope In The Empire At The End Of Days'*. Rhodes University, Grahamstown. South Africa. July 2008.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

ii. International Conferences**Appalsamy,P**

Appalsamy,P. "The influence of a spiritual ontology on suicidal behaviour: a case study". *The Second Qualitative Conference on Mental Health*. Tampere Hall, Tampere. Finland. June 2008.

Edwards,DJA

Edwards,DJA. "None". *British Association for Behavioural and Cognitive Psychotherapy Conference and Workshop on Schema Therapy*. Baker Street, London. United Kingdom. March 2008.

Edwards,DJA. "The role of case formulation in guiding differential strategic decisions in the conduct of cognitive-behavioral treatment with PTSD clients". *Society For Psychotherapy Research*. Barcelo Sants Hotel, Barcelona. Spain. June 2008.

Macleod,CI

Macleod,CI. "Young women and abortion: critique of current research". *3rd Africa Conference on Sexual Health and Rights*. International Conference Centre, Abuja. Nigeria. February 2008.

Shuttleworth-Edwards,AB and Whitefield,VJ

Shuttleworth-Edwards,AB, Whitefield,VJ, Radloff,SE, Taylor,AM and Lovell,MR. "Baseline neuropsychological profiles of South African Rugby versus American football players from 11 to 21 years". *3rd International Conference on Sports Concussion*. Convention Centre, Zurich. Switzerland. January 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Appalsamy,P**

Appalsamy,P. Facilitator. Play and Post-Traumatic Stress in Children. Tongaat. Durban, South Africa. 20 - 22 October 2008.

JOURNAL SUBSIDY UNITS	UNITS
Bantjes,J and van Ommen,C	
<i>Bantjes,J and van Ommen,C. "The development and utilisation of a suicide risk assessment interview schedule". South African Journal of Psychology. 2008. 38(2),391-411.</i>	1.00
Boulind,MJ and Edwards,DJA	
<i>Boulind,MJ and Edwards,DJA. "The assessment and treatment of post-abortion syndrome: a systematic case study from Southern Africa". Journal of Psychology in Africa. 2008. 18(4),539-548.</i>	1.00
Bradfield,BC and Knight,ZG	
<i>Bradfield,BC and Knight,ZG. "Intersubjectivity and the schizophrenic experience: a hermenteutic phenomenological exploration". South African Journal of Psychology. 2008. 38(1),33-53.</i>	1.00
Edwards,DJA and Steele,G	
<i>Edwards,DJA and Steele,G. "Development and validation of the Xhosa translations of the Beck inventories: 3. concurrent and convergent validity". Journal of Psychology in Africa. 2008. 18(2),227-236.</i>	1.00
Geils,C	
<i>Geils,C and Knoetze,J. "Conversations with Barney: a conversation analysis of interactions with a child with autism". South African Journal of Psychology. 2008. 38(1),200-224.</i>	0.50
Knoetze,J	
<i>Geils,C and Knoetze,J. "Conversations with Barney: a conversation analysis of interactions with a child with autism". South African Journal of Psychology. 2008. 38(1),200-224.</i>	0.50
Macleod,CI	
<i>Macleod,CI. "'Who? What?' An uninducted view of Towards a new psychology of women from post-apartheid South Africa ". Feminism and Psychology. 2008. 18(3),347-357.</i>	1.00
<i>Macleod,CI. "Developing principles for research about young women and abortion: a feminist analysis of difficulties in current studies". Feminist Africa. 2008. 11,55-72.</i>	1.00
Shuttleworth-Edwards,AB	
<i>Shuttleworth-Edwards,AB. "Central or peripheral? A positional stance in reaction to the Prague statement on the role of neuropsychological assessment in sports concussion management". Archives of Clinical Neuropsychology. 2008. 23(5),479-485.</i>	1.00
<i>Shuttleworth-Edwards,AB and Radloff,S. "Compromised visuomotor processing speed in players of Rugby Union from school through to the adult national level". Archives of Clinical Neuropsychology. 2008. 23(5),511-520.</i>	0.50
Shuttleworth-Edwards,AB and Smith,IP	
<i>Shuttleworth-Edwards,AB, Smith,IP and Radloff,SE. "Neurocognitive vulnerability amongst university rugby players versus noncontact sport controls". Journal of Clinical and Experimental Neuropsychology. 2008. 30(8),870-884.</i>	0.67
Shuttleworth-Edwards,AB, Whitefield,VJ, Clark,S, Essack,FB, Zoccola,D,	
<i>Boulind,MJ, Case,SE, Smith,IP and Mitchell,JL</i>	
<i>Shuttleworth-Edwards,AB, Noakes,TD, Radloff,SE, Whitefield, VJ, Roberts,CO, Clark,S, Essack,FB, Zoccola,D, Boulind,MJ, Case,SE, Smith,IP and Mitchell,JL. "The comparative incidence of reported concussions presenting for follow-up management in South African Rugby Union". Clinical Journal of Sport Medicine. 2008. 18(5),403-409.</i>	0.75
Steele,G and Edwards,DJA	
<i>Steele,G and Edwards,DJA. "Development and validation of the Xhosa translations of the Beck inventories: 1. challenges of the translation process". Journal of Psychology in Africa. 2008. 18(2),207-216.</i>	1.00
<i>Steele,G and Edwards,DJA. "Development and validation of the Xhosa translations of the Beck inventories: 2. item analysis and internal consistency". Journal of Psychology in Africa. 2008. 18(2),217-226.</i>	1.00
van Ommen,C	
<i>van Ommen,C. "'States of Mind: searching for mental health in Natal and Zululand, 1868-1918' by Julie Parle". South African Historical Journal. 2007. 59,282-285.</i>	1.00
TOTAL	12.42

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Appalsamy	Chemane	M	0.5
Bohmke	Elphick	M	0.5
Edwards A	Andrews	M	0.5
Edwards A	Van der Merwe	M	0.5
Edwards A	Wong	M	0.5
Edwards D	Motshweneng	M	0.5
Edwards D	Silove	D	1.5
Knoetze	Fike	M	0.5
Routledge	Maluleke	M	0.25
Routledge	Saunders	M	0.25
Steele	Razafimbola	M	1.0
Steele	Wilmot	M	0.5
Van Niekerk	Acheson	M	0.5
Van Niekerk	Espinosa	M	1.0
Van Niekerk	Ndoro	M	1.0
Van Ommen	De Jager	M	0.5
TOTAL			10.0

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Interiors: a history of psychology in South Africa	Introduction: approaching the histories of psychology	van Ommen C (Painter C)
Interiors: a history of psychology in South Africa	Writing the histories of South African psychology	van Ommen C
Interiors: a history of psychology in South Africa	Bodies and behaviour: science, psychology, and politics in South Africa	Bohmke W (Tlali T)
Interiors: a history of psychology in South Africa	A history of community psychology in South Africa	Yen, J
Interiors: a history of psychology in South Africa	Abbreviated histories: some concluding remarks	van Ommen C (Painter D)
The SAGE Handbook of Qualitative Research in Psychology	Postcolonialism and psychology	Macleod CI (Bhatia S)

RHODES INVESTEC BUSINESS SCHOOL

As part of its strategic intent, the Rhodes Investec Business School (RIBS) aims to be a research orientated Business School. With its current staffing complement of effectively 2½ full-time academic members of staff, it struggles, however, to operationalise this strategy. It nevertheless works very hard at increasing its research output and lends considerable financial and moral support to its academic staff to engage in research, as well as to attend conferences. Dr Pearce, currently the premier researcher in the School, attended two international conferences this year, while virtually all the members of the School attended a local conference where PhD students and young part-time members of staff took the opportunity to cut their research teeth. The aim is to convert MBA dissertations into publications at one level or another.

There are currently two PhD students enrolled in RIBS while Dr Pearce is the principal supervisor of a PhD student registered in the Department of Management. When these students complete their research, RIBS looks forward to a relatively explosive increase in its research output.

While there was only one journal article published this year, two members of the RIBS staff contributed significantly to two books in their capacities as co-authors.

RIBS is indebted to the DVC: Research and Development for making funds available for members of RIBS staff to attend conferences during the year.

PROFESSOR GAVIN STAUDE
HEAD OF SCHOOL

BOOKS/CHAPTERS/MONOGRAPHS

Pearse,NJ

Amos,TL, Pearce,NJ, Ristow,A and Ristow,L. "Human Resource Management". Juta and Company Ltd. Cape Town. Third Edition. 2008. 1-430. ISBN: 978-0-702-1-7283-0.

Staude,GE

Staude,GE. "Management: Third South African edition". Oxford University Press. Cape Town. Third Edition. 2008. 1-455. ISBN: 978-0-19-598216-9.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Pearse,NJ

*Amos,TL and Pearce,NJ. "Pragmatic research design: An illustration of the use of the Delphi Technique". *The Electronic Journal of Business Research Methods*. 2008. 6(2), www.ejbrm.com*

OTHER PUBLICATIONS

Whittington-Jones,KJ

Rose,PD, Leukes,W, Lok,G, Naidoo,S, Lok,D and Whittington-Jones,KJ. "Development of a knowledge management system for operation of the Algal Integrated Ponding System (AIPS)". In: Water Research Commission, Project Report. Whittington-Jones, KJ (Ed) n/a. South Africa. 2008. 1-10.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Pearse,NJ

Nompula,TI and *Pearse,NJ*. "An exploratory investigation of the factors that influence the retention of knowledge workers in a South African regulator". *The 2nd International Business Conference*. Port Elizabeth. South Africa. August 2008.

Pearse,NJ and Taylor,S

Pearse,NJ and *Taylor,S*. "Effective design of leadership development programmes: an analysis of the Hilton College leadership development programme". *The 2nd International Business Conference*. Port Elizabeth. South Africa. August 2008.

Whittington-Jones,K

Rafferty,K, *Whittington-Jones,K* and *Sewry,D*. "Corporate sustainable development and environmental sustainability reporting in the South African JSE ICT sector entities in 2005". *2nd International Business Conference 2008: leadership and sustainable business development*. Boardwalk Casino, Port Elizabeth. South Africa. August 2008. 27-48.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

ii. International Conferences**Kanyangale,M and Pearse,NJ**

Kanyangale ,M and *Pearse,NJ*. "Entrepreneurship and the state: an analysis of state intervention in agro-processing in Malawi". *The 6TH International Conference on Entrepreneurship and Innovation*. Maputo. Mozambique. November 2008.

Pearse,NJ

Amos,TL and *Pearse,NJ*. "The Delphi technique and educating entrepreneurs for the future". *7th European Conference on Research Methodology for Business and Management Studies*. Regent's College, London. United Kingdom. June 2008. 17-24.

Haig,LJ, *Makomva,CSM*, *Patel,M*, *Amos,TL* and *Pearse,NJ*. "Celebrity athlete endorsement and consumer choice in a South African context: An exploratory study". *3rd Biennial Conference of the Academy of World Business, Marketing and Management Development*. Brazilian School of Public and Business Administration, Rio de Janeiro. Brazil. July 2008. 357-361.

Pearse,NJ and *Amos,TL*. "The Delphi Technique and educating entrepreneurs for the future". *The 7th European Conference of Research Methods*. Regents College, London. United Kingdom. June 2008. 17-24.

Whittington-Jones,KJ and Burgess,JE

Tandlich,R, *Zuma,BM*, *Whittington-Jones,KJ* and *Burgess,JE*. "Treatment for reuse of greywater and the elimination of associated health risks". *Society for Environmental Geochemistry and Health Conference*. Athens. Greece. March 2008.

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Pearse	Qwasha	M	0.25
Routledge	Fourie	M	0.25
Smith	Mungonge	M	0.25
Staude	Petrus	M	0.25
Staude	Koyane	M	0.25
Staude	Samkange	M	0.25
Whittington-Jones	Hoossein	M	1.0
Whittington-Jones	Watkins	M	0.25
TOTAL			2.75

RHODES UNIVERSITY MATHS EDUCATION PROGRAMME (RUMEP)

Undertakings and achievements at RUMEP in 2008 included the following:

Advanced certificate in education (ACE). The Advanced Certificate in Education that RUMEP offers has grown from strength to strength over the years. The full accreditation awarded to the RUMEP ACE is testimony to the success of this programme. For next year the number of applications for admission to the course has been in excess of more than one hundred of which RUMEP is only able to admit forty-eight students as a maximum.

Enrolment. This year RUMEP has had an enrolment of forty-seven first year and forty-one second year students who all reside and teach mostly in the rural districts of the Eastern Cape. RUMEP caters for teachers at all the phase levels and contact sessions take place in the January and July school vacations.

Classroom research (ACE students). Forty ACE students presented the results of their classroom research conducted in 2008. The conference was held at St Peters building, Rhodes University. A number of Department of Education officials from the Eastern Cape attended the conference.

Staff Development. Degrees in Progress:

- Mr Thomas Haywood, M.Ed (Rhodes): *An exploration of teachers' and learners' understanding of geometry with respect to van Hiele's theory of geometric thinking.*
- Mrs Thami Tokwe, M.Ed (Rhodes): *An investigation into the use of Mathematics Concept Literacy Resource Book.*

IMPUMELELO Innovations Award. The RUMEP Collegial Cluster Project was among the 40 winning projects being recognised for work being done with teachers in schools in the Eastern Cape Province. RUMEP is excited with winning a silver award worth R20 000 being given recognition to a project that does extensive work with teachers in mostly rural areas in the Eastern Cape.

Certificate of Recognition. The Makana Municipality decided to celebrate the recent scoop of national awards by Grahamstown based organisations and individuals by holding a gala dinner and honouring the achievers with Certificates of Recognition. RUMEP was a recipient of one of these Certificates.

Funding. RUMEP has once again secured full funding from Zenex Foundation for a B.Ed course for 36 teachers to be registered in 2009. Part funding was received for the ACE course from Standard Bank as well as ABSA Foundation.

DR ROSE SPANNEBERG
DIRECTOR: RUMEP

BOOKS/CHAPTERS/MONOGRAPHS

Spanneberg,R

Spanneberg,R. "Reflective practice and collegiality: innovations for the professional growth of teachers". In: Tasks in primary mathematics teacher education: purpose, use and exemplars. Springer US. United States of America. First Edition. 2008. 4(1), 51-65. ISBN: 978-0-387-09668-1.

Tokwe,NH

Tokwe,NH. "Multilingual maths dictionary for South African schools". Maskew Miller Longman. Cape Town. First Edition. 2008. ISBN: 978-0-636-08298-4.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Haywood,T

Haywood,T. "Innovations and lessons learned in maths and science teacher training". *Zenex Panel Discussion*. Vineyard Hotel, Cape Town. South Africa. October 2008.

Mahlobo,NL

Mahlobo,NL. "An investigation into grade six and seven teachers' understanding in assessing learners mathematical knowledge with reference to the five learning outcomes in some rural Eastern Cape schools". *AMESA CONGRESS 2008*. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. June 2008. 237-249.

Penlington,T

Penlington,T. "Unit 6: teaching all children mathematics". *SAIDE Open Educational Resources Project*. SAIDE Buildings, Johannesburg. South Africa. February 2008. 1-35.

Penlington,T. "A study of the errors made in fractions by first year ACE in-service students". *AMESA CONGRESS 2008*. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. June 2008. 255-261.

Tokwe,NH

Tokwe,NH. "Investigating code switching in English second language (ESL) teachers in the teaching of mathematics: a grade 9 and 10 case study". *AMESA CONGRESS 2008*. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. June 2008. 269-279.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Mkwane,F**

Mkwane,F. Recipient. "*Impumelelo Innovations Award (Silver)*". Impumelelo Innovations Award Trust. Mayoral Buildings. Cape Town, South Africa. 17 May 2008.

Penlington,T

Penlington,T. Workshop presenter. "*Number sense*". Stutterheim Workshop. Stutterheim Trust. Stutterheim, South Africa. 6 March 2008.

Penlington,T. Presenter. "*Fractions*". Stutterheim Education Trust. Stutterheim Education Trust. Stutterheim, South Africa. 8 May 2008.

Penlington,T. Presenter. "*Shape and space*". Stutterheim Education Trust. Stutterheim Education Trust. Stutterheim, South Africa. 2 June 2008.

Penlington,T. Presenter. "*Measurements*". Stutterheim Education Trust. Stutterheim Educaion Trust. Stutterheim, South Africa. 31 July 2008.

Penlington,T. Presenter. "*Number sense*". Education Department. Rhodes University. Grahamstown, South Africa. 14 October 2008.

Spanneberg,R

Spanneberg,R. Attendee. "*Towards evidence-based educational development in South Africa*". Final Report on the Primary Mathematics Research Project 2004-2007. Sunnyside Park Hotel. Johannesburg, South Africa. 18 February 2008.

DISTINGUISHED VISITORS**Marx,J**

Ms J Marx. Zenex Foundation, Johannesburg, South Africa. Discuss and evaluate new Zenex project. Oct 2008.

SCHOOL OF LANGUAGES

A number of esteemed visitors contributed to the School's academic programmes in 2008.

SANTED Project/African Language Studies was honoured to be visited by the National Minister of Education, the Honourable Mrs Naledi Pandor. She gave a public lecture titled "The role of African languages in higher education." She also sat in on our isiXhosa mother-tongue and vocation-specific language programme (IsiXhosa for Pharmacy) classes. During the visit SANTED also gave a presentation on its activities to the Minister.

We also received a delegation from the National Department of Arts and Culture which manifested in a multi-million rand bursary award for post-graduate students studying language programmes at Rhodes.

A visit was paid by Mr Calana who lives in Bedford. He is a well-known isiXhosa author and he presented a guest lecture to the isiXhosa 1 mother-tongue students. A visit was also paid by Mr Tyatyeka from the PanSALB and he addressed the isiXhosa 1 mother-tongue and second language students on job opportunities for language practitioners.

The African Language Studies Section was also visited by students and professors from Goucher College, USA. They were addressed on various topics of interests by Prof Kaschula and Dr Monica Hendricks.

Afrikaans and Netherlandic Studies hosted Professor John Kannemeyer who presented a Humanities Faculty seminar on Literary Biographies. Afrikaans and Netherlandic Studies also hosted Dr Hans Ester from Radboud University in the Netherlands. On his visit he presented a School of Languages seminar on Literature and Ethics and contributed to the supervision of a PhD student registered in the Section.

The Suid-Afrikaanse Vereniging vir Neerlandistiek invited Rhodes to host a Dutch Winter School in July 2008 and a generous sponsorship from the Dutch Language Union enabled the Division to invite drs. Alice van Kalsbeek from Steunpunt Nederlands, Amsterdam, and Prof Yves T'Sjoen from Ghent in Belgium to present courses in Dutch Language and Literature at Rhodes.

Professor David Wardle from the University of Cape Town (a frequent visitor to this university over the last 15 years) spent a week in May giving lectures on ancient history to Classical Civilisation 1 and 2.

The School was also visited by a delegation from Jinan University, headed by the Vice-Chancellor of that University. Professor Ma Yue who will be teaching Chinese Studies in the SOL in 2009 also accompanied the delegation. The School launched the Rhodes University Chinese Studies Confucius Institute in October of 2008.

John Jackson presented a seminar in the School of Languages entitled "An ancient British Freedom Fighter". This focused on the revolt of Boudica against the Romans, and the iconography and myth-making associated with her name up to the present.

Undine Weber presented a seminar in the History Department as well as in the School of Languages. The topic "History in the Making" dealt with the presence of the American occupation forces in West Germany in the 1950s.

The SANTED Team (Maseko, Dalvit, Mapi & Sam) presented a seminar in which they outlined the intercultural approach that is being used to implementing multilingualism at Rhodes.

Claire Cordell presented a seminar entitled "Regardes cet edifice: Funerary monuments in some 16th-century French tragic tales."

Staff in the School were very active in attending conferences in 2008. Russell Kaschula was a keynote speaker at an international conference in Botswana. He also presented a paper at an international conference in Italy. Lorenzo Dalvit led a team of SANTED and other conference attendees from the School to attend conferences in Uganda, Italy, Lesotho and Ethiopia. Arthur Mukenge and Patrice Mwepu attended a conference in Botswana. They also attended a conference in Libbreville.

Members of the SOL produced a record-breaking 8 subsidy-earning journal articles in 2008, as well as a number of chapters in books. Russell Kaschula also took part in the 2008 Caine African Writers Prize Workshop. His story, Valley of Voices, appears in *Jambula Tree*. London/Cape Town: New International/Jacana Press.

Awards and financial support

Financial support has been received in the School of Languages from the following donors/funders/awards during the course of the year. These awards are gratefully acknowledged:

South Africa-Norway-Tertiary-Education Development Programme (R4 million until the end of 2010)

Foundation for Human Rights (R100, 000.00)

Department of Arts and Culture (R7.5 million 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

Italian Consulate and the Friends of Italy (R25 000)

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 R7.5 million 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 students.

Professor Russell Kaschula examined 2 MA theses from the University of Stellenbosch. Undine Weber was external examiner for German at NMMU and examined one Research Report for an MA in European Literature from the University of the Witwatersrand. Dr Godfrey Meintjes was external examiner for an MA in creative writing in the Graduate School of Humanities at UCT. John Jackson was an examiner for an MA thesis in Roman History at UCT.

Degrees in progress (staff):

The following staff members are busy with their MA degrees: Rebecca French (submitted); Thandeka Mapi (submitted); Msindisi Sam and Daniel Malamis. The following staff members are busy with their PhD degrees: Undine Weber; Pamella Maseko; Bulelwa Nosilela; Anton Vorster and Arthur Mukenge.

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. An isiXhosa mother-tongue course was offered for the first time in ten years. SANTED/African Languages staff offered vocation-specific language courses in the Faculties of Pharmacy and Law for the first time and they now formally make up part of the curricula in those faculties. The SANTED Project team also taught isiXhosa communication skills courses to staff at the University. This team also continued to develop an English-IsiXhosa glossary for Computer Science to support the teaching of Computer Science to isiXhosa mother-tongue students.

Afrikaans and Netherlandic Studies received a substantial grant from the Cape Forum for Netherlandic Studies which enabled the Section to employ Ms Else Boekkooi to teach two semester courses in Dutch language acquisition at Rhodes. Mr Anton Vorster 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 2008, as well as the Woordfees and a Dutch seminar in Stellenbosch.

Dr Claire Cordell also facilitated and taught an introductory course in Italian.

2008 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

BOOKS/CHAPTERS/MONOGRAPHS

Weber,U

Weber,U. "Review: Kolonialmetropole Berlin. Eine Spurensuche". ISBN: 0018-2281.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Mwepu,PK

Mwepu,PK. "From self-identity to universality: a reading of Henri Lopes' works". *Literator*. 2007. 28(3),131-144.

Mwepu,PK. "La femme et sa lutte de libération dans l'oeuvre de Lopes". *Tydskrif Vir Letterkunde*. 2008. 45(2),161-172.

Mwepu,PK. "Women and their struggle for emancipation in Lopes' works". *Tydskrif Vir Letterkunde*. 2008. 45(2),241-254.

Kaschula,RH

Kaschula,RH. "The oppression of isiXhosa literature and the irony of transformation". *English in Africa*. 2008. 35(1),117-132.

Kaschula,RH and Mostert,A

Kaschula,RH, Mostert,A and Ralarala,MK. "Communicating across cultures in South African law courts: towards an information technology solution". *Spil: Stellenbosch Papers in Linguistics Plus*. 2008. 36,89-104.

Kaschula,RH and Mpola,N

Kaschula,RH and Mpola,N. "IsiXhosa songs and poetry as forms of cultural expression: Ngxokolo's musical composition BUNJALO UBOM, 'Such is Life'". *Southern African Journal for Folklore Studies*. 2008. 18(1),43-51.

Kaschula,RH and Wienand,C

Kaschula,RH, Mostert,A, Schafer,D and Wienand,C. "English Hegemony or African Identity: Towards an Integrated African Language Planning Tool for Economic Development". *Southern African Journal for Folklore Studies*. 2007. 17(2),43-59.

OTHER PUBLICATIONS

Kaschula,RH

Kaschula,RH. "Valley of voices". In: Jambula Tree and other stories. Elam, N (Ed) New International/Jacana Press. London/Cape Town. 2008. 105-112. ISBN: 978-1-77009-574-8.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Dalvit,L

Dalvit,L, Maseko,P, Nosilela,B, Mapi,T, Sam,M, Terzoli,A and Bailey,D. "The first translathon at Rhodes: localising Horde/Imap into isiXhosa". *10th Annual Conference on World Wide Web applications*. University of Cape Town, Cape Town. South Africa. September 2008. 4-14.

Dalvit,L, Gunzo,F, Madwe,N and Maema,M. "A multi-disciplinary approach to HIV and AIDS education at Rhodes University". *Regional Interdisciplinary Postgraduate Conference at NMMU*. Nelson Mandela Metropolitan University, Port Elizabeth. South Africa. September 2008.

Dalvit,L, Terzoli,A and Wolff,F. "Open source software and localisation in indigenous South African languages with Pootle". *Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 361-366.

Maema,M, Terzoli,A and Dalvit,L. "An ontology-based telephony service for the provision of HIV/AIDS information". *Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2008)*. Wild Coast Sun, Port Edward. South Africa. September 2008. 495-496.

Maema,M, Terzoli,A and Dalvit,L. "Ontologies for provision of HIV/AIDS information using telephony infrastructure". *The 2008 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT)*. Wilderness Beach Hotel, Wilderness. South Africa. October 2008. 54-57.

Kaschula,RH

Kaschula,RH. "Discussant for P.T Mtuze's 'An alternative struggle'". *The Art/Craft of Biography*. Rhodes University, Grahamstown. South Africa. April 2008.

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

Kaschula,RH, Dalvit,L, Mapi,T, Nelani,L, Nosilela,B and Sam,M. "Multilingualism at Rhodes University: implementing RU's language policy". *3rd International Symposium on Intercultural Communication and Pragmatics*. Stellenbosch University, Cape Town. South Africa. January 2008.

Mapi,T and Kaschula,R

Mapi,T, Dalvit,L and Kaschula,R. "An intergration of three concepts of healing in Xhosa culture in the teaching of isiXhosa to Rhodes University pharmacy students". *NRF Post-Graduate Colloquium*. Walter Sisulu University, Mthatha. South Africa. May 2008.

Mapi,T and Maseko,P

Mapi,T, Maseko,P and Dalvit,L. "Unravelling communication problems between English-speaking health-care professionals and isiXhosa-speaking patients". *Communication, Medicine and Ethics (COMET)*. Cape Town, Cape Town. South Africa. July 2008.

Mapi,T, Maseko,P and Kaschula,R

Mapi,T, Dalvit,L, Maseko,P and Kaschula,R. "Integrating indigenous knowledge in the vocational training of pharmacy students at Rhodes University". *10th Biennial Conference of the Southern African Folklore Society (SAFOS)*. University of Lesotho, Roma. Lesotho. September 2008. Special.

Maseko,P, Nosilela,B, Mapi,T and Sam,M

Dalvit,L, Maseko,P, Nosilela,B, Mapi,T, Sam,M, Terzoli,A and Bailey,D. "The first translateathon at Rhodes: localising Horde/Imap into isiXhosa". *10th Annual conference on World Wide Web applications*. University of Cape Town, Cape Town. South Africa. September 2008. 4-14.

Sam,M and Kachula,R

Sam,M, Dalvit,L and Kachula,R. "The discussion of observation and analysis of the development of computer terminology in isiXhosa". *NRF Post-Graduate Colloquium*. Walter Sisulu University, Mthatha. South Africa. May 2008.

Sam,M, Kaschula,R and Maseko,P

Sam,M, Dalvit,L, Kaschula,R and Maseko,P. "Folklore and ICT education in Africa: the development of ICT terminology in isiXhosa". *10th Biennial Conference of the Southern African Folklore Society (SAFOS)*. University of Lesotho, Roma. Lesotho. September 2008.

Snowball,WD

Snowball,WD. "Romans in North Africa". *Colloquium of Classical Association of South Africa*. UNISA, Pretoria. South Africa. October 2008.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Dalvit,L**

Dalvit,L, Maseko,P, Nosilela,B, Mapi,T, Sam,M, Terzoli,A and Bailey,D. "The first translathon at Rhodes: localising Horde/Imp into isiXhosa". *10th Annual Conference on World Wide Web Applications*. Cape Town. South Africa. September 2008. 4-14.

Dalvit,L, Murray,S and Terzoli,A. "The role of indigenous knowledge and languages in computer education in Africa". *IFIP 2008 World Computer Congress (WCC)*. Fiera, Milan. Italy. September 2008. 287-294.

Dalvit,L, Tsietsi,M, Mapi,T, Sam,M, Maseko,P and Terzoli,A. "The localisation into isiXhosa of iLanga, a VoIP PBX". *4th Annual International Conference On Computing And ICT Research*. Makerere University, Kampala. Uganda. August 2008. 236-242.

Dalvit,L, Gunzo,F, Maema,M and Slay,H. "Exploring the use of ontologies in creating learning platforms: HIV and AIDS education at Rhodes University". *International Conference on Information Technology in Education (CITE 2008)*. Wuhan University, Wuhan. China. December 2008. 407-410.

Dalvit,L, Murray,S and Terzoli,A. "Gramsci, functional linguistics and ethocomputing: the role of indigenous knowledge and languages in computer education in Africa". *Learning to Live in the Knowledge Society, IFIP WCC 2008*. Milano Convention Centre, Milan. Italy. September 2008. 281-294.

Dalvit,L, Terzoli,A and Murray,S. ""La conoscenza indigena nell'educazione all'informatica in Africa: da Gramsci all'etno-informatica (*Indigenous Knowledge And The Teaching Of Computer Science In Africa: From Gramsci To Ethnocomputing*)". *Didamaica*. Taranto, Taranto. Italy. April 2008.

Slay,H and Dalvit,L. "Red or blue: the importance of digital literacy in rural african communities". *International Conference on Information Technology in Education (CITE 2008)*. Wuhan University, Wuhan. China. December 2008. 675-678.

Thinyane,M, Dalvit,L, Terzoli,A and Clayton,P. "The Internet in rural communities: unrestricted and contextualised". *ICT Africa*. Nepad Council, Addis Abbaba. Ethiopia. February 2008.

Jaques,F

Jaques,F. "Jansénisme et culpabilité chez François Mauriac [Jansenism and guilt in François Mauriac's works]". *La culture religieuse de François Mauriac [Religion in François Mauriac's works]*. L'institut de France, Paris. France. November 2008. 171-182.

Kaschula,RH

Kaschula,RH. "Digitising and technologising the oral word: the case of Bongani Sitole". *International Society for the Oral Literature of Africa*. Lecce, Lecce. Italy. April 2008.

Mapi,T, Sam,M and Maseko,P

Dalvit,L, Tsietsi,M, Mapi,T, Sam,M, Maseko,P and Terzoli,A. "The localisation into isiXhosa of iLanga, a VoIP PBX". *4th Annual international conference on computing and ICT research*. Makerere University, Kampala. Uganda. August 2008. 236-242.

Dalvit,L, Tsietsie,M, Mapi,T, Sam,M, Maseko,P and Terzoli,A. "The localisation into isiXhosa of the iLanga telephone system". *4th Annual International Conference on Computing and ICT Research - SREC08*. Makerere University, Kampala. Uganda. August 2008. 236-242.

Maseko,P

Gunzo,FT, Madwe,PN, Maseko,p and Dalvit,L. "Informal ICT-based HIV and AIDS education at Rhodes University". *Kenton Conference*. Thabeng sa Mogale, Gauteng. South Africa. October 2008.

Maseko,P, Nosilela,B, Mapi,T and Sam,M

Dalvit,L, Maseko,P, Nosilela,B, Mapi,T, Sam,M, Terzoli,A and Bailey,D. "The first translathon at Rhodes: localising Horde/Imp into isiXhosa". *10th Annual Conference on World Wide Web Applications*. Cape Town. South Africa. September 2008. 4-14.

Mukenge,AN

Mukenge,AN. "L'engagement ou la révolte dans les critiques africaines anti-coloniales". *Libreville Congress of Francophone African Critics*. Université de Libreville, Libreville. Gabon. January 2008.

Mukenge,AN. "La littérature francophone d'Afrique noire: un horizon thématique et historique". *La Litterature francophone et sa didactique*. University of Syria, Aleppo. Syria. April 2008.

Mukenge,AN. "L'évasion et l'engagement de soi: une réalité de Pius Ngandu Nkashama". *Association for French Studies in Southern Africa*. University of Botswana, Gaborone. Botswana. July 2008.

Mwepu,PK

Mwepu,PK. "Au-delà des clins d'oeil, la problématique du métadiscours africain actuel. Enracinement ou universel?". *Libreville Congress of Francophone African Critics*. Université de Libreville, Libreville. Gabon. January 2008.

Mwepu,PK. "Le "métadiscours artistique" africain. Une nouvelle forme d'engagement?". *Association for french studies in Southern Africa*. University of Botswana, Gaborone. Botswana. July 2008.

Sam,M

Dalvit,L, Gunzo,F and Sam,M. "Integrating teaching, research and outreach in teacher training". *Kenton Conference*. Thabeng sa Mogale, Gauteng. South Africa. October 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**Cordell,CJ**

Cordell,CJ. Facilitator. Teaching a "foreign" language. NMMU. Port Elizabeth, South Africa. 25 January 2008.

Dalvit,L

Dalvit,L. Rhodes University Representative. "Training implications of replacing fanagalo with english and/or african languages as lingua franca in the mines". African Languages as Lingua Franca in the Mines. Rhodes University. Grahamstown, South Africa. 27 June 2008.

Dalvit,L, Mapi,T and Sam,M

Dalvit,L, Mapi,T and Sam,M. Supervisor and Post Graduate presentations. "Post graduate research thesis". NRF Post Graduate Colloquium. Walter Sisulu University. Umtata, South Africa. 22 - 23 May 2008.

Dalvit,L, Maseko,P, Sam,M and Mapi,T

Dalvit,L, Maseko,P, Wolff,F, Tsietsie,M, Sam,M and Mapi,T. Facilitators and Infrastructural Support. "Translating mozilla firefox into luganda". Translatethon. Makerere University. Kampala, Uganda. 7 - 8 August 2008.

Jackson,JL

Jackson,JL. Presented paper. "Conquest beyond the civilised world: the Roman pacification of Britain". Military History Society of South Africa. Rhodes University. Grahamstown, South Africa. 14 June 2008.

Jackson,JL. Gave seminar. "An ancient British freedom fighter". School of languages seminar. Rhodes University. Grahamstown, South Africa. 19 November 2008.

Maseko,P

Maseko ,P. Rhodes University Representative. *"Implementing Rhodes University's language policy"*. National Colloquium on Mother Tongue Based Bilingual Education. University of Cape Town. Cape Town, South Africa. 5 - 6 December 2008.

Mukenge,A

Mukenge,A. Presenter. *"Le tour d'horizon de la littérature d'Afrique noir d'expression française"*. Workshop with 1st and 2nd year students. Amphitheatre EBLA. Aleppo, Syria. 15 April 2008.

Mukenge,AN

Mukenge,AN. paper presented for discussion. *"Le tour d'horizon de la littérature d'Afrique noire d'expression française"*. Workshop with undergraduate 1st- and 2nd-year students. University of Syria. Aleppo, Syria. 15 April 2008.

INTERNATIONAL VISIT**van Schoor,DJ**

van Schoor,DJ. L' Ecole Normale Supérieur, Paris, France. Preparatory work for PhD. 1 January - 30 June 2008.

JOURNAL SUBSIDY UNITS	UNITS
Kaschula,RH	
<i>Kaschula,RH</i> . "The oppression of isiXhosa literature and the irony of transformation". English in Africa. 2008. 35(1),117-132.	1.00
Kaschula,RH and Mostert,A	
<i>Kaschula,RH, Mostert,A</i> and Ralarala,MK. "Communicating across cultures in South African law courts: towards an information technology Solution". Stellenbosch Papers in Linguistics Plus. 2008. 36,89-104.	0.67
Kaschula,RH and Mpola,N	
<i>Kaschula,RH</i> and <i>Mpola,N</i> . "IsiXhosa songs and poetry as forms of cultural expression: Ngxokolo's musical composition BUNJALO UBOM, 'Such is Life'". Southern African Journal for Folklore Studies. 2008. 18(1),43-51.	1.00
Kaschula,RH and Wienand,C	
<i>Kaschula,RH, Mostert,A, Schafer,D</i> and <i>Wienand,C</i> . "English hegemony or African identity: towards an integrated African language planning tool for economic development". Southern African Journal for Folklore Studies. 2007. 17(2),43-59.	0.50
Mwepu,PK	
<i>Mwepu,PK</i> . "From self-identity to universality: a reading of Henri Lopes' works". <i>Literator</i> . 2007. 28(3),131-144.	1.00
<i>Mwepu,PK</i> . "La femme et sa lutte de libération dans l'oeuvre de Lopes". <i>Tydskrif Vir Letterkunde</i> . 2008. 45(2),161-172.	1.00
<i>Mwepu,PK</i> . "Women and their struggle for emancipation in Lopes' works". <i>Tydskrif Vir Letterkunde</i> . 2008. 45(2),241-254.	1.00
TOTAL	6.17

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Dalvit	Mapi	M	0.5
Kaschula	Mandla	M	1.0
Kaschula	Mapi	M	0.5
Weber	French	M	1.0
Weber	Williams	M	1.0
TOTAL			4.0

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
Proceedings: International conference on computer science and software engineering CSSE 2008	Exploring the use of ontologies in creating learning platforms: HIV and AIDS education at a South African university	Dalvit L, Gonzo FT, Maema MKV, Slay H
Learning to live in the knowledge society (WCC 2008)	The role of indigenous knowledge in computer education in Africa	Dalvit L, Murray S, Terzoli A
Special topics in computing and ICT research: strengthening the role of ICT in development	The localisation into isiXhosa of the iLanga telephone system	Dalvit L, Tsietsi M, Terzoli A, Sam PMM, Mapi T
La culture religieuse de Francois Mauriac	Jansénisme et culpabilité chez François Mauriac [Jansenism and guilt in François Mauriac's works]	Jacques, F

SOCIOLOGY

The Sociology Department had a good year with staff members research output up on previous years. In addition, the Department continued to register an increase in undergraduate numbers and to maintain its graduate numbers, especially at Masters and PhD level.

Staff members had a busy year attending conferences, both national and international. Highlights include the annual Sociological Association of South Africa (SASA) Congress that was attended by six staff members who all presented papers and a large contingent of masters and PhD students, some of whom attended the PhD workshop and others who presented papers. Dr Monty Roodt the HOD of the Department was elected onto the executive of the Association and is currently serving as secretary. Ms Sandra Matatu, a PhD student in the Department was elected to the Council as a student representative.

International conferences where staff delivered papers include Professor Jimi Adesina attending DFID/UNRISID workshops in London and Beijing and delivering a paper at the Geneva centre for Security Studies in Geneva; Professor Jan Coetzee at a "Teaching qualitative methods" conference in Lodz in Poland, Professor Michael Drewett at a "Pop Conference" in Seattle in the United States; Dr Kirk Helliker at "Expanding capitalism: destruction of the common goods and food sovereignty" conference in Guatemala City, Guatemala; and Ms Janet Chisaka at the Northeastern Workshop on Southern Africa in Vermont, United States.

In addition staff in the Department published a number of articles in journals, books and monographs. The Department continued to forge research links with other African countries. Dr Helliker is co-leader of a research programme on land reform and civil society in southern and east Africa, under the auspices of African Institute for Agrarian Studies in Harare; Dr Gilton Klerck continues to research and publish on industrial relations in Namibia; Drs Miller and Roodt are members of a 10 member multidisciplinary, international team working on the Codesria Comparative Research Network/ISER, Rhodes University "South Africa in Africa Research Initiative" (SAARI) which has produced a special edition of the Journal African Sociological Review published at the end of 2008.

Professor Jimi Adesina spent the first quarter of 2008 as Oppenheimer Visiting Fellow at the Queen Elizabeth House (Department for International Development) at the University of Oxford and the second quarter of 2008 as senior Guest Researcher at the Nordic Africa Institute (NAI) at Uppsala, Sweden during which he developed the research programme on "Transformative Social Policy in Re-imagining Africa's Development" at NAI. He initiated with Professor Joakim Palme (Swedish Institute for Futures Studies & Stockholm University) and Carin Norberg and Professor Fantu Cheru (NAI), the Nordic-Africa Social Policy Research Consortium. In 2008, Professor Adesina completed his second term of three years as a member of the Executive Committee of CODESRIA, during which period he served as the Chair of its Programme Sub-Committee.

DR MONTY ROODT
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Adesina,JOT

Adesina,JOT. "Sociology, African". In: International Encyclopedia of the Social Sciences. Darity, WA (Ed) Macmillan Reference. Detroit, United States of America. 2008. 7(2nd Edition), 664-666.

Drewett,M

Drewett,M. "The construction and subversion of gender stereotypes in popular cultural representations of the Border War". In: Beyond The Border War: New Perspectives On Southern Africa's Late Cold War Conflicts. UNISA. South Africa. First Edition. 2008. 94-119. ISBN: 978-1-86888-456-8.

Drewett,MD. "Packaging desires: album covers and the presentation of apartheid". In: Composing Apartheid: Music For And Against Apartheid. Wits University Press. Johannesburg. 2008. 115-135. ISBN: 978-186814-4563.

Helliker,K

Helliker, K. "Dancing on the same spot: NGOs". In: *Contested terrain: land reform and civil society in contemporary Zimbabwe*. S&S Publishers. Pietermaritzburg, South Africa. First Edition. 2008. 239-276. ISBN: 978-1-920241-00-1.

Helliker, K and Murisa, T

Helliker, K, Murisa, T and Moyo, S. "Introduction". In: *Contested terrain: land reform and civil society in contemporary Zimbabwe*. S&S Publishers. Pietermaritzburg, South Africa. First Edition. 2008. 1-47. ISBN: 978-1-920241-00-1.

Helliker, K.D, Moyo, S and Murisa, T. "Contested terrain: land reform and civil society in contemporary Zimbabwe". Moyo, S, Helliker, K.D and Murisa, T (Eds). S&S Publishing. Pietermaritzburg. First Edition. 2008. 410 pp.

Murisa, T

Murisa, T. "Civil society, the state and the land question". In: *Contested terrain: land reform and civil society in contemporary Zimbabwe*. S&S Publishers. Pietermaritzburg, South Africa. First Edition. 2008. 108-143. ISBN: 978-1-920241-00-1.

Moyo, S and *Murisa, T.* "Civil society: public action towards a transformative agenda?". In: *Contested terrain: land reform and civil society in contemporary Zimbabwe*. S&S Publishers. Pietermaritzburg, South Africa. First Edition. 2008. 69-107. ISBN: 978-1-920241-00-1.

Oladeinde, O

Oladeinde, O. "Global capitalism and the rise of non-standard employment: challenges to industrial relations". In: *The Global Labour Market: from Globalization to Flexicurity*, (Bulletin of Comparative Labour Relations, 65), Kluwer Law International. The Netherlands. First Edition. 2008. 65, 53-60. ISBN: 978-90-411-2722-8.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Adesina, JOT

Adesina, JOT. "Archie Mafeje and the pursuit of endogeneity: beyond alterity and extroversion". *Africa Development*. 2008. 33(4), 1-14.

Adesina, JOT. "Against alterity - the pursuit of endogeneity: breaking bread with Archie Mafeje". *Codesria Bulletin*. 2008. 3 & 4, 21-29.

Adesina, JOT. "Politiche sociali nell' Africa sub-Sahariana: uno sguardo retrospettivo". *Italian Journal of Social Policy*. 2008. (1), 135-158.

Drewett, MD

Drewett, MD. "Developing a retro brand community: re-releasing and marketing anti-apartheid protest music in post-apartheid South Africa". *Consumption Markets Culture*. 2008. 11(4), 287-305.

Helliker, KD

Helliker, KD. "Marx, Weber and NGOs". *South African Review of Sociology*. 2007. 38(2), 120-133.

Hendricks, F

Hendricks, F. "The Mafeje affair: the university of Cape Town and apartheid". *African Studies*. 2008. 67(3), 423-451.

Hund, J

Hund, J. "Critique of Abel on popular justice and the Alexandra treason trial". *Social and Legal Studies*. 2008. 17(4), 475-789.

Klerck, GG

Klerck, GG. "Industrial relations in Namibia since independence: between neo-liberalism and neo-corporatism?". *Employee Relations*. 2008. 30(4), 355-371.

Miller,D

Miller,D. "Food frontiers in Zambia: resistance and partnership in Shoprite's retail empire". *Africa Files*. 2008. 8(3), <http://www.africafiles.org/atissueezine.asp?issue>.

Miller,D. "South African corporations and post-apartheid Expansion in Africa: creating a new regional space". *African Sociological Review*. 2008. 12(1),1-19.

Miller,D. "'Retail renaissance' or company rhetoric: the failed partnership of a South African corporation and local suppliers in Zambia". *Labour, Capital and Society/Travail, Capital Et Societe*. 2008. 41(1),35-55.

Hampwaye,G, Miller,D and Nel,E. "Race and regional trading spaces – shops and malls in the city of Lusaka, Zambia". *African Sociological Review*. 2008. 12(1),35-54.

Saunders,R, Olayede,O and Miller,D. "South Africa in Africa: African perceptions, African realities". *African Sociological Review*. 2008. 12(1),1-19.

Roodt,JJ

Roodt,JJ. "The impact of regional integration initiatives and investment in a southern African cross-border region: the Maputo development corridor". *African Sociological Review*. 2008. 12(1),88-102.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences****Adesina,JOT**

Adesina,JOT. "Transformative social policy in Africa's post-neoliberal context". *SASA Annual Conference*. Stellenbosch University, Stellenbosch. South Africa. July 2008.

Adesina,JOT. "Human development report". *Advisory Panel Workshop*. Sheraton Hotel, Pretoria. South Africa. November 2008.

Chisaka,JKC

Chisaka,JKC. "Teaching sociology: what am I doing?". *South African Sociological Association*. Stellenbosch University, Stellenbosch. South Africa. July 2008.

Chisaka,JKC. "Teaching sociology: what am I doing?". *Higher Education as a Social Space*. Rhodes University , Grahamstown. South Africa. November 2008.

Coetzee,JKC

Coetzee,JKC. "The narrative study of lives". *The Art/Craft of Biography*. Rhodes University, Grahamstown. South Africa. May 2008.

Drewett,MD

Drewett,MD. "South African musicians and the HIV/AIDS conspiracy of silence". *South African Sociological Conference*. Stellenbosch University, Stellenbosch. South Africa. July 2008.

Drewett,MD. "Patriarchal patriotism in songs about South Africa's apartheid border war". *South African Society for Research in Music Conference*. NMMU, Port Elizabeth. South Africa. August 2008.

Klerck,GG

Klerck,GG. "Minimum wages in the agricultural sector: division and change". *SASA Annual Conference*. Stellenbosch University, Stellenbosch. South Africa. July 2008.

Miller,D

Miller,D. "Understanding publishing". *HSRC Symposium on Academic Transformation*. Cape Town, Cape Town. South Africa. March 2008.

Miller,D. "Misty lenses - engendering the stories we write: revisiting the Chipata villagers in Zambia". *South African Sociological Association*. Stellenbosch University, Stellenbosch. South Africa. July 2008.

Miller,D. "The formation and objectives of Rhodes Women's Academic Association of South Africa". *CAPUT*. Cape Peninsula Technical University, Cape Town. South Africa. August 2008.

Roodt,JJ

Roodt,JJ. "Impediments to the delivery of socio-economic rights in South Africa". *South African Sociological Association Annual Congress*. Stellenbosch University, Stellenbosch. South Africa. July 2008.

Roodt,JJ. "An overview of the history, motivation and nature of land rights and land tenure systems, with specific reference to land dispossession and the establishment of the Reserves in South Africa". *Situational Analysis of ULTRA*. Umhlamba Rural Services, Johannesburg. South Africa. September 2008. 1-17.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****ii. International Conferences****Adesina,JOT**

Adesina,JOT. "Transformative social policy in Africa's development". *UNRISD/DFID Social Policy Workshop*. London, London. United Kingdom. March 2008.

Adesina,JOT. "Social policy in mineral-rich economy: the case of Nigeria". *UNRISD Research Workshop*. Geneva, Geneva. Switzerland. April 2008.

Adesina,JOT. "Regional integration and development in Africa". *Geneva Centre for Security Studies*. Geneva, Geneva. Switzerland. April 2008.

Adesina,JOT. "Transformative social policy in Africa's post neoliberal context". *International Sociological Association Research Committee 19 Annual Conference*. Stockholm, Stockholm. Scotland. September 2008.

Adesina,JOT. "Social policy in sub-saharan Africa". *DFID/UNRISD/IPCC Workshop*. Beijing, Beijing. China. November 2008.

Chisaka,JKC

Chisaka,JKC. "Biographical disruption, HIV/AIDS and generational poverty: accounts from six women in the Eastern Cape, South Africa". *Northeastern Workshop on Southern Africa (NEWSA)*. Bishop Booth Conference Center, Burlington, Vermont. United States of America. October 2008.

Coetzee,JKC

Coetzee,JKC. "The role of the university in shaping students' perceptions of risk". *Teaching Qualitative Methods*. Lodz, Lodz. Poland. September 2008.

Drewett,MD

Drewett,MD. "Stand up and be a real man: patriarchal patriotism in songs about the USA's war in Vietnam and South Africa's apartheid border war". *Pop Conference*. The Experience Music Project, Seattle. United States. April 2008.

Helliker,KD

Helliker,KD. "Twice bitten: marginalised communities in the Eastern Cape countryside of post-apartheid South Africa". *Expanding capitalism: destruction of the common goods and food sovereignty*. Guatemala City, Guatemala City. Central America. October 2008.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS

Miller,D

Miller,D. Panel Discussant. North Eastern Workshop on Southern Africa (NEWSA). Vermont. Vermont, Vermont USA. 17 - 19 October 2008.

JOURNAL SUBSIDY UNITS	UNITS
Adesina,JOT	
Adesina,JOT. "Archie Mafeje and the pursuit of endogeny: beyond alterity and extroversion". <i>Africa Development</i> . 2008. 33(4),1-14.	1.00
Drewett,MD	
Drewett,MD. "Developing a retro brand community: re-releasing and marketing anti-apartheid protest music in post-apartheid South Africa". <i>Consumption Markets Culture</i> . 2008. 11(4),287-305.	1.00
Helliker,KD	
Helliker,KD. "Marx, Weber and NGOs". <i>South African Review of Sociology</i> . 2007. 38(2),120-133.	1.00
Hund,J	
Hund,J. "Critique of Abel on popular justice and the Alexandra treason trial". <i>Social and Legal Studies</i> . 2008. 17(4),475-789.	1.00
Miller,D	
Hampwaye,G, Miller,D and Nel,E. "Race and regional trading spaces – shops and malls in the city of Lusaka, Zambia". <i>African Sociological Review</i> . 2008. 12(1),35-54.	0.34
Saunders,R, Olayede,O and Miller,D. "South Africa in Africa: African perceptions, African realities". <i>African Sociological Review</i> . 2008. 12(1),1-19.	0.34
Miller,D. "South African corporations and post-apartheid Expansion in Africa: creating a new regional space". <i>African Sociological Review</i> . 2008. 12(1),1-19.	1.00
Miller,D. "'Retail renaissance' or company rhetoric: the failed partnership of a South African corporation and local suppliers in Zambia". <i>Labour, Capital and Society/Travail, Capital Et Societe</i> . 2008. 41(1),35-55.	1.00
Roodt,JJ	
Roodt,JJ. "The impact of regional integration initiatives and investment in a southern African cross-border region: the Maputo development corridor". <i>African Sociological Review</i> . 2008. 12(1),88-102.	1.00
TOTAL	7.68

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Coetzee	Sundberg	M	0.5
Hendricks	Sundberg	M	0.5
Miller	Bockle	M	1.0
Miller	Magoqwana	M	0.5
Miller	Stuurman	M	0.5
Roodt	Stuurman	M	0.5
TOTAL			3.5

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
Proceedings of the XII international symposium on biological control of weeds	Ten years after the release of the water hyacinth mirid <i>Eccritotarsus catarinensis</i> in South Africa: what have we learnt?	Coetzee JA, Hill MP (Byrne MJ)

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Beyond the Border War: new perspectives on Southern Africa's late-cold war conflicts	The construction and subversion of gender stereotypes in popular cultu	Drewett, M

STATISTICS

Members of the department were involved in joint research with the departments of Environmental Science, Ichthyology and Fisheries Science, Management, Psychology, Zoology and Entomology, and the Institute of Social and Economic Research. This collaborative research resulted in 11 publications in international journals and three further publications in pure mathematics were produced in 2008.

Several papers were presented at local and international conferences in 2008. Mr Jeremy Baxter co-presented a paper at the Business and Economics Society in Switzerland and another paper, together with Prof Gunther Jäger, at the 51st Annual Conference of the South African Statistical Association in Pretoria. At the same conference, masters student E.N. Glover presented a paper and won the second prize in the post-graduate paper competition. Prof Sarah Radloff co-presented 3 papers at the 9th Asian Apicultural Association (AAA) Conference, University of Zhejiang, Hangzhou, China and a paper at the 3rd International Conference on Sports Concussion, Zurich, Switzerland. She further co-presented a paper at the 23rd International Congress of Entomology, Durban.

The department hosted three distinguished visitors in 2008: Prof E. Libanova from the Institute of Demography and Social Studies, Kiev, Ukraine in July, Dr A Neethling from the Department of Statistics and Actuarial Science, University of Stellenbosch in September and Prof E George from the Department of Statistics, University of Pennsylvania, USA in November.

PROFESSOR GUNTHER JÄGER
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Bangay,L

Cocks,ML, Bangay,L, Shackleton,CM and Wiersum,KF. "Rich man poor man' – inter household and community factors influencing the use of wild plant resources amongst rural households in South Africa". *International Journal of Sustainable Development and World Ecology*. 2008. 15(3),198-211.

Baxter,J

Collett,P, Vine,NG, Kaiser,H and Baxter,J. "Determination of the optimal water temperature for the culture of juvenile dusky kob *Argyrosomus japonicus* Temminck and Schlegel 1843". *Aquaculture Research*. 2008. 39,979-985.

Cox,A, Amos,TL and Baxter,J. "What future subordinates will value in their leaders: an exploratory study". *Journal of Contemporary Management*. 2008. 5,72-89.

Hayward,BA, Amos,TL and Baxter,J. "Employee performance, leadership style and emotional intelligence: an exploratory study in a South African parastatal". *Acta CommercII*. 2008. 8,15-26.

Jäger,G

Jäger,G. "Lattice-valued convergence spaces and regularity". *Fuzzy Sets and Systems*. 2008. 159,2488-2502.

Jäger,G. "Fischer's diagonal condition for lattice-valued convergence spaces". *Quaestiones Mathematicae*. 2008. 31,11-25.

Jäger,G. "Level spaces for lattice-valued uniform convergence spaces". *Quaestiones Mathematicae*. 2008. 31,255-277.

Radloff,S

Shuttleworth-Edwards,AB and Radloff,S. "Compromised visuomotor processing speed in players of Rugby Union from school through to the adult national level". *Archives of Clinical Neuropsychology*. 2008. 23(5),511-520.

Dietemann,V, Zheng,H-Q, Hepburn,C, Hepburn,HR, Jin,S-H, Crewe,RM, Radloff,SE, Hu,F-L and Pirk,CWW. "Self assessment in insects: honeybee queens know their own strength". *Plos One*. 2008. 3(1), www.plosone.org

Hadisoelilo,S, Raffiudin,R, Susanti,W, Atmowidi,T, Hepburn,C, Radloff,SE, Fuchs,S and Hepburn,HR. "Morphometric analysis and biogeography of *Apis koschevnikovi* Enderlein (1906)". *Apidologie*. 2008. 39,495-503.

Shuttleworth-Edwards,AB, Noakes,TD, Radloff,SE, Whitefield,VJ, Roberts,CO, Clark,S, Essack,FB, Zoccola,D, Boulind,MJ, Case,SE, Smith,IP and Mitchell,JL. "The comparative incidence of reported concussions presenting for follow-up management in South African Rugby Union". *Clinical Journal of Sport Medicine*. 2008. 18(5),403-409.

Shuttleworth-Edwards,AB, Smith,IP and Radloff,SE. "Neurocognitive vulnerability amongst university rugby players versus noncontact sport controls". *Journal of Clinical and Experimental Neuropsychology*. 2008. 30(8),870-884.

Tan,K, Hepburn,HR, Radloff,SE, Fuchs,S, Fan,X, Zhang,L and Yang,MX. "Multivariate morphometric analysis of the *Apis cerana* of China". *Apidologie*. 2008. 39,343-353.

Tan,K, Yang,M-X, Radloff,SE, Hepburn,HR, Zhang,ZY, Luo,LJ and Li,H. "Dancing to different tunes: heterospecific deciphering of the honeybee waggle dance". *Naturwissenschaften*. 2008. 95,1165-1168.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

i. Local Conferences

Bangay,L

Powell,M, Shackleton,C.M, Bangay,L, Mills,A, Spekreijse,J and Cowling,R.M. "Spekboom survivorship during subtropical thicket restoration". *Annual Thicket Forum*. Thomas Baines Nature Reserve, Grahamstown. South Africa. August 2008.

Powell,M, Shackleton,C.M, Bangay,L, Mills,A, Spekreijse,J and Cowling,R.M. "*Portulacaria afra* truncheon survivorship within a large-scale restoration programme in the Baviaanskloof". *Annual South African Wildlife Management Association*. Mpekwini Sun, Port Alfred. South Africa. September 2008.

Baxter,JS and Jäger,G

Baxter,JS and Jäger,G. "The effect of different protein sequence encoding schemes on the prediction of protein secondary structure". *51st Annual Conference of the South African Statistical Association*. University of Pretoria, Pretoria. South Africa. October 2008.

Glover,EN

Glover,EN. "Monte Carlo simulation of bermudan put options". *51st Annual Conference of the South African Statistical Association*. University of Pretoria, Pretoria. South Africa. October 2008.

Radloff,S

Hepburn,C, Radloff,S, Villet,MH and Hill,MP. "Composition and phenology of insect pests in *Capsicum* (Piquante peppers) cultivated in the Eastern Cape, South Africa". *XXIII International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008.

Magadza,C, Srinivas,CS and Radloff,S. "Simple, but effective educational intervention to increase knowledge about hypertension and its therapy". *22nd Annual SAAHIP Conference*. Drakensberg, Drakensberg. South Africa. March 2008. 1.

RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES (PROCEEDINGS, BOOKLETS and ATTENDANCE)

ii. International Conferences

Baxter,JS

Van Stuyvesant Meijen,J, Louw,MJ, Louw,L and Baxter,JS. "The influence of organisational culture on organisational commitment at a selected local municipality in South Africa: empirical findings". *Business and Economics Society International Conference*. Hotel De La Paix, Lugano. Switzerland. June 2008.

Radloff,SE

Pirk,CWW, Phiancharoen,M, Yang,M-X, Crous,KL, Radloff,SE, Crewe,R, Tan,K and Hepburn,HR. "Testing potential cues triggering balling behaviour in *Apis cerana*". *The 9th Asian Apicultural Association (AAA) Conference*. University of Zhejiang, Hangzhou. China. November 2008. 56.

Shuttleworth-Edwards,AB, Whitefield,VJ, Radloff,SE, Taylor,AM and Lovell,MR. "Baseline neuropsychological profiles of South African Rugby versus American football players from 11 to 21 years". *3rd International Conference on Sports Concussion*. Convention Centre, Zurich. Switzerland. January 2008.

Tan,K, Yang,M-X, Radloff,SE, Pirk,CWW and Hepburn,HR. "Cascading ovarian activation in queenright and queenless, conspecific and mixed-species colonies of the honeybees *Apis cerana* and *Apis mellifera*". *The 9th Asian Apicultural Association (AAA) Conference*. University of Zhejiang, Hangzhou. China. November 2008. 16-17.

Yang,M-X, Radloff,SE, Tan,K and Hepburn,HR. "Anti-predator fan-blowing in guard bees, *Apis mellifera capensis* Esch". *The 9th Asian Apicultural Association (AAA) Conference*. University of Zhejiang, Hangzhou. China. November 2008. 11.

DISTINGUISHED VISITORS**Libanova,E**

Prof E. Libanova. Institute of Demography and Social Studies, Kiev, Ukraine. July 2008.

Neethling,A

Dr A Neethling. Department of Statistics and Actuarial Science, University of Stellenbosch, Stellenbosch, South Africa. Series of Lectures. Sept 2008.

George,E

Prof E George. Department of Statistics, University of Pennsylvania, USA. Nov 2008.

JOURNAL UNITS	UNITS
Bangay,L	
Cocks,ML, Bangay,L, Shackleton,CM and Wiersum,KF. "Rich man poor man' – inter household and community factors influencing the use of wild plant resources amongst rural households in South Africa". <i>International Journal of Sustainable Development and World Ecology</i> . 2008. 15(3),198-211.	0.25
Baxter,J	
Hayward,BA, Amos,TL and Baxter,J. "Employee performance, leadership style and emotional intelligence: an exploratory study in a South African parastatal". <i>Acta CommercII</i> . 2008. 8,15-26.	0.34
Collett,P, Vine,NG, Kaiser,H and Baxter,J. "Determination of the optimal water temperature for the culture of juvenile dusky kob <i>Argyrosomus japonicus</i> Temminck and Schlegel 1843". <i>Aquaculture Research</i> . 2008. 39,979-985.	0.25
Cox,A, Amos,TL and Baxter,J. "What future subordinates will value in their leaders: an exploratory study". <i>Journal of Contemporary Management</i> . 2008. 5,72-89.	0.34
Jäger,G	
Jäger,G. "Lattice-valued convergence spaces and regularity". <i>Fuzzy Sets and Systems</i> . 2008. 159,2488-2502.	1.00
Jäger,G. "Level spaces for lattice-valued uniform convergence spaces". <i>Quaestiones Mathematicae</i> . 2008. 31,255-277.	1.00
Jäger,G. "Fischer's diagonal condition for lattice-valued convergence spaces". <i>Quaestiones</i>	1.00

Mathematicae. 2008. 31,11-25.	
Radloff,S	
<i>Shuttleworth-Edwards,AB</i> and <i>Radloff,S</i> . "Compromised visuomotor processing speed in players of Rugby Union from school through to the adult national level". Archives of Clinical Neuropsychology. 2008. 23(5),511-520.	0.50
Radloff,SE	
Tan,K, <i>Hepburn,HR</i> , <i>Radloff,SE</i> , Fuchs,S, Fan,X, Zhang,L and Yang,MX. "Multivariate morphometric analysis of the <i>Apis cerana</i> of China". Apidologie. 2008. 39,343-353.	0.14
Hadisoelilo,S, Raffiudin,R, Susanti,W, Atmowidi,T, <i>Hepburn,C</i> , <i>Radloff,SE</i> , Fuchs,S and <i>Hepburn,HR</i> . "Morphometric analysis and biogeography of <i>Apis koschevnikovi</i> Enderlein (1906)". Apidologie. 2008. 39,495-503.	0.13
<i>Shuttleworth-Edwards,AB</i> , Noakes,TD, <i>Radloff,SE</i> , <i>Whitefield, VJ</i> , Roberts,CO, <i>Clark,S</i> , <i>Essack,FB</i> , <i>Zoccola,D</i> , <i>Boulind,MJ</i> , <i>Case,SE</i> , <i>Smith,IP</i> and <i>Mitchell,JL</i> . "The comparative incidence of reported concussions presenting for follow-up management in South African Rugby Union". Clinical Journal of Sport Medicine. 2008. 18(5),403-409.	0.08
<i>Shuttleworth-Edwards,AB</i> , <i>Smith,IP</i> and <i>Radloff,SE</i> . "Neurocognitive vulnerability amongst university rugby players versus noncontact sport controls". Journal of Clinical and Experimental Neuropsychology. 2008. 30(8),870-884.	0.34
Tan,K, <i>Yang,M-X</i> , <i>Radloff,SE</i> , <i>Hepburn,HR</i> , Zhang,ZY, Luo,LJ and Li,H. "Dancing to different tunes: heterospecific deciphering of the honeybee waggle dance". Naturwissenschaften. 2008. 95,1165-1168.	0.14
TOTAL	5.51

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Jager	Ndebele	M	1
Szyszkowski	Glover	M	0.5
TOTAL			1.5

ZOOLOGY AND ENTOMOLOGY

The research enthusiasm and drive of all departmental staff, research associates and students meant that 2008 was another extremely productive year in terms of research publications and conference participation. Fifty four full-length papers were published in peer-reviewed journals as well as three book chapters. Professor William Froneman co-edited an important book on the Prince Edward Islands ("The Prince Edward Islands: land sea interactions in a changing ecosystem") which was published by Sunmedia. All staff, postdoctoral researchers and many students attended and presented their work at numerous local meetings as well as major international conferences in South Africa, Hawaii, The Azores, Crete, Australia, USA, Spain, Canada, Denmark, France, Switzerland and Zimbabwe. Some of these presentations were invited. In addition the Professor Martin Villet organized a section, and Professor Martin Hill and Dr Julie Coetzee organized a scientific symposium at the International Congress of Entomology which was held in Durban. Professor Adrian Craig served on the programme committee of the Pan African Ornithological Congress which met at Goudini Spa. At this meeting he was elected chair of the 2012 PAOC congress committee.

The main broad fields of research within the department continue to be in marine biology, entomology, vertebrate biology and wildlife management. Agricultural Entomology and Weed Biocontrol research was given a boost by refurbishment of the Waainek facilities on the outskirts of the campus, and the construction of large rearing tunnels. Research projects now include studies of pests of citrus, macadamia and litchi as well as submerged aquatic weeds. Many of the academic staff travelled widely to continue or develop new research collaborations. Professor Alan Hodgson visited the University of Newcastle, Professor Craig the University of Rennes, and Professor Froneman and Dr Nicole Richoux went to Argentina as part of the South Africa-Argentina bilateral agreement. Here they established a joint research programme with researchers from the University of Cordoba. During the visit, Professor Froneman was invited to present a seminar on the research highlights of the Southern Ocean Group at Rhodes. Emeritus Professor Randall Hepburn continued to pursue his research work on the bees of Asia, visiting Thailand and China. During a visit to Zimbabwe Dr Dan Parker cemented collaborative links between the department, the Zambezi Society and the Wildlife Conservation Research Unit from the University of Oxford. Together they are embarking on a major study of leopards, a species listed as Near-Threatened by the IUCN.

International research links also brought researchers to the department. In May Professor Hodgson hosted a visit from Professor Hans-Jorg Ferenz (University of Halle). Professor Hepburn received collaborators from Asia, Dr Mananya Piancharoen from Thailand and postgraduate research students from Yunnan and Zhejiang, China. Professor Craig hosted visits from Prof. Martine Hausberger (University of Rennes) and Dr Sébastien Jaquemet from Réunion (who also collaborates with Professor Christopher McQuaid). In December Professor Olof Bistrom (University of Helsinki) co-presented a WRC-funded workshop on Water Beetle Systematics with Dr Ferdy de Moor and Professor Villet.

During the year Professor Hodgson was elected a Fellow of the Royal Society of South Africa, Professor Froneman was elected to the Academy of Science of South Africa and Professor Villet was appointed as a Research Fellow at the South African Institute of Aquatic Biodiversity.

PROFESSOR ALAN HODGSON
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Barber-James,H and de Moor,F

Gattolliat,J-L, Monaghan,MT, Sartori,M, Elouard,J-M, *Barber-James,H*, Derleth,P, Glaizot,O, *de Moor,F* and Vogler,AP. "A molecular analysis of the Afrotropical Baetidae". In: International advances in the ecology, zoogeography and systematics of Mayflies and Stoneflies. University of California Press. Berkeley, California. First Edition. 2008. 219-232.

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PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**Allan,EL and Froneman,PW**

Allan,EL and *Froneman,PW*. "Trophic interactions amongst the plankton in the temporarily open/closed East Kleinemonde Estuary, South Africa". *African Journal of Aquatic Science*. 2008. 33(2),167-174.

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OTHER PUBLICATIONS

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Villet,MH

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**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

i. Local Conferences

Allan,EL and Froneman,PW

Allan,EL and Froneman,PW. "Top-down, bottom-up control of bacterial production in a temporarily open/closed estuary". *13th Southern African Marine Symposium*. University of Cape Town, Cape Town. South Africa. June 2008.

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Bownes,A, Hill,MP and Byrne,MJ. "Effect of temperature on feeding and development rates of a potential biocontrol agent, *Cornops aquaticum*, for water hyacinth, *Eichhornia crassipes*, in South Africa". *XXIII International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008.

Bownes,A, Hill,MP and Byrne,MJ. "Potential efficacy of a candidate agent, *Cornops aquaticum* Bruner (Orthoptera: acrididae) for the biological control of water hyacinth, *Eichhornia crassipes* Mart. Solms-Laubach (Pontederiaceae) as influenced by water nitrate and phosphate levels". *XXIII International Congress of Entomology*. International Convention Centre, Durban. South Africa. July 2008.

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Craig,A and Hulley,PE

Craig,A, Bonnevillie,B, Hulley,PE and Underhill,GD. "Primary wing-moult in southern African mousebirds (Coliidae)". *12th Pan-African Ornithological Congress*. Goudini Spa, Rawsonville. South Africa. September 2008.

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**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)**

ii. International Conferences

Bernard,KS

Bernard,KS, Froneman,PW and Gotz,A. "Implications of the potential removal of keystone sub-Antarctic species due to ocean acidification". *Effect of global climate change on the world oceans*. Congress Centre, Gijon. Spain. May 2008.

Coetzee,JA and Hill,MP

Coetzee,JA and Hill,MP. "Biological control of water hyacinth (*Eichhornia crassipes*) - the South African experience". *EPPO/CoE Workshop: How to control invasive alien plants: The case study of *Eichhornia crassipes* and *E. azurea**. European and Mediterranean Plant Protection Organization, Merida. Spain. June 2008.

Coetzee,JA, Hill,MP and Byrne,MJ. "Ten years after the release of the water hyacinth mirid *Eccritotarsus catarinensis* in South Africa: what have we learnt?". *XII International Symposium on Biological Control of Weeds*. Le Grande Montpellier, Montpellier. France. April 2007. 520-523.

de Moor,F

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Downie,DA

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Richards,CS, Crous,KL and Villet,MH

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Tan,K, Yang,M-X, Radloff,SE, Pirk,CWW and Hepburn,HR. "Cascading ovarian activation in queenright and queenless, conspecific and mixed-species colonies of the honeybees *Apis cerana* and *Apis mellifera*". *The 9th Asian Apicultural Association (AAA) Conference*. University of Zhejiang, Hangzhou. China. November 2008. 16-17.

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CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, EVENTS**de Moor,FC and Villet,MH**

de Moor,FC, Bistrom,F, Stals,O and Villet,MH. 18 Participants. "*Waterbeetle identification*". Waterbeetle identification. Department of Zoology and Entomology. Grahamstown, South Africa. 19 - 20 November 2008.

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Bownes,S and McQuaid,CD	
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Coetzee,JA	
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Roux,DJ, Nel,JL, Ashton,PJ, Deacon,AR, de Moor,FC, Hardwick,D, Hill,L, Kleynhans,CJ, Maree,GA, Moolman,J and Scholes,RJ. "Designing protected areas to conserve riverine biodiversity: lessons from a hypothetical redesign of the Kruger National Park". <i>Biological Conservation</i> . 2008. 141,100-117.	0.09
de Moor,FC and Ivanov,VD. "Global diversity of caddisflies (Trichoptera: Insecta) in freshwater". <i>Hydrobiologia</i> . 2008. 595,393-407.	0.50
Rivers-Moore,NA, Hughes,DA and de Moor,FC. "A model to predict outbreak periods of the pest blackfly <i>Simulium chatteri</i> Lewis (Simuliidae, diptera) in the Great Fish River, Eastern Cape Province, South Africa". <i>River Research and Applications</i> . 2008. 24,132-147.	0.34
Downie,DA	
Downie,DA, Donaldson,JS and Oberpriller,RG. "Molecular systematics and evolution in an African cycad-weevil interaction: Amorphocerini (Coleoptera: Curculionidae: Molytinae) weevils on <i>Encephalartos</i> ". <i>Molecular Phylogenetics and Evolution</i> . 2008. 47,102-116.	0.34

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Vorwerk,PD, <i>Froneman,PW</i> , Paterson,AW and Whitfield,AK. "Fish community response to increased river flow in the Kariaga Estuary, a freshwater-deprived, permanently open southern African system". African Journal of Aquatic Science. 2008. 33(3),189-200.	0.25
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<i>Henninger,TO</i> , <i>Froneman,PW</i> and <i>Hodgson,AN</i> . "The population dynamics of the estuarine isopod <i>Exosphaeroma hylocoetes</i> (Barnard, 1940) within three temporarily open/closed southern African estuaries". African Zoology. 2008. 43(2),202-217.	1.00
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Hepburn,HR	
Tan,K, <i>Hepburn,HR</i> , <i>Radloff,SE</i> , Fuchs,S, Fan,X, Zhang,L and Yang,MX. "Multivariate morphometric analysis of the <i>Apis cerana</i> of China". Apidologie. 2008. 39,343-353.	0.14
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<i>Richoux,NB and Froneman,PW</i> . "Assessment of spatial variation in carbon utilization by benthic and pelagic invertebrates in a temperate South African estuary using stable isotope signatures". Estuarine Coastal and Shelf Science. 2007. 71,545-558.		1.00
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Villet,MH		
Harvey,ML, Gaudieri,S, <i>Villet,MH</i> and Dadour,IR. "A global study of forensically significant calliphorids: implications for identification". Forensic Science International. 2008. 177,66-76.		0.25
<i>Kelly,CMR, Barker,NP, Villet,MH, Broadley,DG and Branch,WR</i> . "The snake family Psammophiidae (Reptilia: serpentes): phylogenetics and species delimitation in the African sand snakes (<i>Psammophis</i> Boie, 1825) and allied genera ". Molecular Phylogenetics and Evolution. 2008. 47,1045-1060.		0.20
von der Meden,CEO, Porri,F and McQuaid,CD		
<i>von der Meden,CEO, Porri,F, Erlandsson,J and McQuaid, CD</i> . "Coastline topography affects the distribution of indigenous and invasive mussels". Marine Ecology-Progress Series. 2008. 372,135-145.		0.75
Vorwerk,PD and Froneman,PW		
<i>Vorwerk,PD, Froneman,PW, Paterson,AW, Strydom,NA and Whitfield, AK</i> . "Biological responses to a resumption in river flow in a freshwater deprived, permanently open Southern African estuary". Water SA. 2008. 34(5), 597-604.		0.40
Whittington-Jones,GM, Bernard,RTF and Parker,DM		
<i>Whittington-Jones,GM, Bernard,RTF and Parker,DM</i> . "Bushclumps as refugia for small mammals in two Eastern Cape conservation areas". African Zoology. 2008. 43(2),273-276.		1.00
Yang,M-X and Hepburn,HR		
Tan,K, <i>Yang,M-X, Radloff,SE, Hepburn,HR, Zhang,ZY, Luo,LJ and Li,H</i> . "Dancing to different tunes: heterospecific deciphering of the honeybee waggle dance". Naturwissenschaften. 2008. 95,1165-1168.		0.29
Zardi,GI, Nicastro,KR and McQuaid,CD		
<i>Zardi,GI, Nicastro,KR, McQuaid,CD and Erlandsson,J</i> . "Sand and wave induced mortality in invasive (<i>Mytilus galloprovincialis</i>) and indigenous (<i>Perna perna</i>) mussels". Marine Biology. 2008. 153,853-858.		0.75
TOTAL		33.42

POSTGRADUATE SUBSIDY UNITS 2008 GRADUATES			
SUPERVISOR	STUDENT	M/D	UNITS
Bernard	McManus	M	1.0
Froneman	Daly	M	1.0
Froneman	Sterly	M	1.0
Froneman	Henninger	D	1.5
Hill	Jones	M	1.0
Hill	Bownes	D	1.5
Hodgson	Henninger	D	0.5

McQuaid	Mmonwa	M	0.5
McQuaid	Diaz Diaz	D	3.0
McQuaid	Nakin	D	3.0
Villet	Mkize	D	3.0
TOTAL			17.0

CONFERENCE PROCEEDINGS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF PROCEEDINGS	TITLE OF CONTRIBUTION IN PROCEEDINGS	AUTHOR(S)
International advances in the ecology, zoogeography, and systematics of Mayflies and Stoneflies	A molecular analysis of the afrotropical baetidae	Barber-James H, de Moor F (Gattolliat J-L, Monaghan MT, Sartori M, Elouard J-M, Derleth P, Glaizot O, Vogler AP)
International advances in the ecology, zoogeography, and systematics of Mayflies and Stoneflies	A synopsis of the Afrotropical Tricorythidae	Barber-James H
Proceedings of the XII international symposium on biological control of weeds	<i>Azolla filiculoides</i> Lamarck (Pteridophyta: Azollaceae) control in South Africa: a 10-year review	Hill MP (McConnachie AJ, Byrne MJ)
Proceedings of the XIIth international symposium on Trichoptera	Regional biogeographical differences in Trichoptera diversity in south africa" observation patterns and processes	de Moor F

BOOKS SUBMITTED FOR POSSIBLE SUBSIDY		
TITLE OF BOOK	TITLE OF CONTRIBUTION IN BOOK	AUTHOR(S)
Guides to the Freshwater Invertebrates of Southern Africa	Myxophaga	Villet MH, (Endrody-Younga S)
Guides to the Freshwater Invertebrates of Southern Africa	Ptilodactylidae	de Moor, F
The Prince Edward Islands: land-sea interaction in a changing ecosystem	The Prince Edward Islands in a global context	Froneman PW (Chown SL)
The Prince Edward Islands: land-sea interaction in a changing ecosystem	Biology in the oceanographic environment	McQuaid CD, Froneman PW
The Prince Edward Islands: land-sea interaction in a changing ecosystem	Nutrient dynamics in the vicinity of the Prince Edward Islands	Froneman PW, (Smith VR)
The Prince Edward Islands: land-sea interaction in a changing ecosystem	Conclusion: change in terrestrial and marine systems	Froneman PW, (Chown SL)