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## **PREFACE**

It is very important that research is encouraged and flourishes at a University. Lecturers who are active researchers and are at the cutting edge of their disciplines are better teachers. There is a high correlation between researchers who receive awards for their research and those who are recognised as excellent teachers. Active researchers attract Master's and Doctoral students to study under their supervision, and on graduating provide the intellectual capital for a country to be competitive in the knowledge age. Research also attracts scholars from other institutions, the development of exchange schemes and national and international research collaboration. It also enhances community involvement in that this involvement should grow out of teaching and research and feed back into teaching and research.

It is gratifying that in a national climate of decreasing research outputs that Rhodes' research outputs are not declining and are actually increasing. I would like to congratulate and thank active staff, researchers and postgraduates for their contribution to the research effort of the University.

DR. D.R. WOODS  
VICE-CHANCELLOR

## INTRODUCTION

Rhodes University has had another successful year in terms of research activities and outputs in what has been an exciting Centenary year and I would like to add my congratulations and thanks to those of the Vice-Chancellor to all staff and postgraduate students for their research efforts in 2004.

This report documents the research highlights and outputs in its many forms during 2004. Research which is not disseminated in this manner is wasted and I would like to encourage all staff and students to continue to publish their research in the most appropriate way. I would particularly like to stress the importance of publishing research findings in subsidy earning journals and of converting conference papers into journal articles where possible. Outputs in accredited journals are one of the principle means by which the University earns research subsidy and increasing the subsidy earned in this way will directly benefit internally funded research activities. In terms of journal publications 2004 has been a very good year with the audited but still to be awarded journal units increasing to 202 units from 165 awarded in 2003. I am confident that this is a sustainable trend and it is particularly encouraging in the context of a national trend of declining research outputs. A particularly successful publication was the special edition of the SA Journal of Science which was dedicated to the Rhodes University Centenary. I would like to thank all of those staff and students who submitted articles for publication in this edition and Professor Barker for initiating and co-ordinating this publication.

An aspect of research outputs which remains a serious concern is the continued poor recognition by the Department of Education of publications in the form of books, chapters, refereed conference proceedings and patents. Not only are a small fraction of these outputs accepted for subsidy purposes but to date no feedback has been given in terms of which books, chapters, etc have in fact been subsidised or why the majority of submissions are not accepted. The Department of Education has, however, indicated that such feedback will be forthcoming from 2005.

A further, and possibly even more problematic, aspect of recognition of research outputs (and NRF rating) is the inability to assess outputs in the Performing and Visual Arts. Attempts have been made to address this issue at a national level but no solution appears to be likely in the near future.

A concerted and unified national approach to addressing the issue of recognition of research outputs other than articles in accredited journals is urgently needed at the highest level if the research efforts in many disciplines are not to be undermined.

My thanks once again to all staff and students for their continued commitment to research.

PROFESSOR J.R. DUNCAN  
DEAN OF RESEARCH

## RESEARCH HIGHLIGHTS

2004 has been a year of many changes with the most significant being the loss of our East London campus which has impacted on certain fields of research. The implementation by the Department of Education of the new funding formula has placed more emphasis on the importance of research with the redefining of a research output which now takes into account subsidisable publications and graduated Master's and PhD students. Previously, Rhodes University received a block grant for research plus publication subsidy which together amounted to approximately 16% of the total Rhodes University Government subsidy. In the new funding formula the proportion granted for research outputs has more than doubled. The result is a significant pressure to increase research outputs. Currently comparisons by various analysts continue to show that we are one of South Africa's most productive universities and are the leading research institution in the Eastern Cape

The research contributions by the staff have been made amidst many demands such as increased student numbers, a very competitive funding environment and institutional restructuring. I would therefore like to congratulate the members of staff and postgraduates who contribute to the research effort of the University.

The main tasks of a university are teaching, research and community service and I am pleased to report that Rhodes University researchers and postgraduates have excelled with their research achievements during 2004. The most notable have been:

- The recipients of the Vice-Chancellor Awards for research and books were: Distinguished Senior Research Award: Professor Vivian de Klerk (English Language & Linguistics) and the Book Award: Dr Tom Martin (Philosophy) for his book entitled *Oppression and the Human Condition: An Introduction to Sartrean Existentialism*. The Distinguished Research Award was not awarded this year.
- Professor Tebello Nyokong (Chemistry) won the Shoprite Checkers/SABC 2 Woman of the Year award in the Science and Technology category.
- Professor Jay O'Keeffe, (Institute for Water Research) was awarded the Gold Medal of the Southern African Society of Aquatic Scientists.
- Professor Pat Scott (Human Kinetics & Ergonomics) was awarded the IEA Fellow, the highest and most prestigious award of the International Ergonomics Association (IEA).
- The Rhodes University Centre for Distributed Multimedia, headed by Professor Peter Clayton (Computer Science) together with the University of Fort Hare, was awarded the national THRIP collaboration award. The joint recipients were Dr Alfredo Terzoli of Rhodes University and Professor Hippolyte Muyingi, University of Fort Hare.
- Sam Naidu (English) received an Associated Commonwealth University (ACU) Split-Site Doctoral Fellowship tenable at the School of Oriental and African Studies, London University, and Justin Lupele (Education) received the ACU Commonwealth Scholarship tenable at Manchester Metropolitan University.

- Three scientists, Dr Lee-Anne McKinnell (Physics & Electronics), Dr Ané Oosthuizen (Ichthyology & Fisheries Science) and Dr Susanne Vetter (Botany), were nominated for the L’Oreal-UNESCO South Africa Women in Science Awards.
- Dr Brett Pletschke (Biochemistry, Microbiology & Biotechnology) was recognised by the American Water Works Research Foundation through their Emerging Technologies XI project for his innovative research. The Water Research Commission selected Pletschke’s research as one of South Africa’s top 10 Emerging Technology Projects.
- Professor George Euvrard’s (Education) educational and training project “Ready for Business” was recognised by the American Chamber of Commerce by winning gold in the Education and Training category. The project went on to win the overall Star of Stars Award for best Corporate Social Investment Programme run by a company with US links in South Africa.
- Professor Vivian de Klerk (English Language & Linguistics) was elected onto the Council of the Academy of Science of South Africa.
- Professors John Duncan (Dean of Research) and Peter Vale (Political & International Studies) were elected as members of the Academy of Science of South Africa.
- Professor Peter Vale (Political & International Studies) was awarded the Utrecht University International Medal.
- Dr Marc Schaefer (Education) has been appointed the new editor of Pythagoras, the journal of the Association for Mathematics Education of South Africa.
- Professor Paul-Henri Bischoff (Political & International Studies) was awarded a place on distinguished Fulbright Scholar Programme at the Walker Institute of International Affairs at the University of South Carolina.
- Dr Jo Burgess (Biochemistry, Microbiology and Biotechnology) received the Messel Trust Award by the Society for Chemical Industry.
- Michael Akomaye Yanou (Law) was one of five scholars appointed as a visiting fellow at the Centre for African Studies at Cambridge University.
- Amanda Ellis (Zoology & Entomology) was awarded the S<sub>2</sub>A<sub>3</sub> Bronze Medal for the top science Master’s degree by thesis.
- Carla Niermann (History) received the prestigious Patrick and Margaret Flanagan Scholarship.
- Seth Cumming (Philosophy) received the Abe Bailey Travel Bursary.

The University continues to actively promote innovation and entrepreneurship in its research activities. The Centre for Entrepreneurship successfully participated in the National Innovation Fund Competition with seven business plans submitted from postgraduate and undergraduate students. The first prize of R50 000 was awarded to Jason Penton, Jonathan Hitchcock (both Computer Science) and Sonwabile Nomnganga (Fort Hare) for a business plan entitled “iLanga: A Next-

Generation Communication System for Small and Medium Enterprise”; second prize of R30 000 went to Johanna Janse van Rensburg and Jonathan Leigh (Computer Science); and third prize of R20 000 went to Sebastian Reynold (Biochemistry, Microbiology & Biotechnology).

Rhodes researchers and departments continued to receive significant funding from a wide variety of sources for research programmes including over R13 million from National Funding Councils and over R15 million from private and industry sources.

Funding for postgraduate students at all levels has been significantly enhanced by the continued scholarship support schemes funded by Sasol, Atlantic Philanthropies and the Andrew Mellon Foundation. As a result the University has been able to award a number of prestigious scholarships from its own funding schemes to Honours, Master’s, Doctoral and Postdoctoral students to a total value of approximately R6 million.

The Postgraduate Liaison Committee (PGLC), which is a sub-committee of the Joint Research Committee liaising directly with the Dean of Research, has had a productive year. With Matthew Charlesworth in the chair, the PGLC has organised a number of workshops relating to theses writing, supervision, proposal submission, etc which have been beneficial to the Master’s and PhD students who participated. Postgraduate students from a number of departments excelled at both local and international conferences in being awarded best student awards for both paper and poster presentations.

Numerous highly successful research conferences were held at Rhodes during the year. These and other research achievements have been included in the individual department reports.

PROFESSOR J.R. DUNCAN  
DEAN OF RESEARCH

## **ACADEMIC DEVELOPMENT CENTRE**

ADC research interests lie in the development of academic staff as professional educators in the higher education sector and in students' engagement with the teaching and learning environment.

In June Chrissie Boughey presented a paper at an international conference held in Havana, Cuba while Lynn Quinn, Jo-Anne Vorster and Kevin Williams all presented at conferences here in South Africa.

2004 saw the first ADC graduates. Eight Postgraduate Diplomas in Higher Education were awarded at the Education Faculty graduation ceremony along with one Master's and one Doctoral degree. ADC staff members continue to offer the PGDHE, an Honours level qualification, and to supervise at Master's and Doctoral levels.

**PROFESSOR C. BOUGHEY**  
**DIRECTOR**

## **BOOKS/CHAPTERS/MONOGRAPHS**

### **Boughey,C**

Volbrecht,T and *Boughey,C*. "Curriculum responsiveness from the margins: The case of Academic Development". In: Griesel, H. (eds) *Curriculum Responsiveness: Case Studies in Higher Education*. SAUVCA. Pretoria. 2004.

*Boughey,C*. "Academic Study as Social Practice". In: Sutherland,P and Crowther, J. (eds) *Lifelong Learning: Concepts and Contexts*. Routledge /Falmer. London. 2004. (In Press).

## **PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**

### **Quinn,L**

*Quinn,L*. "Reflections on a theoretical framework for a professional development course for lecturers at a South African university". *International Journal of Academic Development*. 2004. 8(1&2),61-75.

### **Quinn,L and Vorster,J**

*Quinn,L* and *Vorster,J*. "Transforming teachers' conceptions of teaching and learning in a Postgraduate Certificate in Higher Education Training Course". *South African Journal of Higher Education*. 2004. 18(1),364-381.

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

### **i. Local Conferences (Within South Africa)**

#### **Mostert,M**

*Futter,WT*, *Mostert,M*, *Southwood,S* and *Villet,MH*. "The role of the academic in the changing tertiary education environment: Tracing a career. Reinventing the University". *Education Conference*. Rhodes University, Grahamstown. December 2004.

*Hodgkinson,CA* and *Mostert,M*. "Online debating to encourage student participation in online learning communities: A case study in the Education Department of Rhodes University". *e-merge 2004*. University of Cape Town, Cape Town. June 2004.

#### **Quinn,L**

*Quinn,L*. "Leave us in peace to research and teach our chosen topics: An analysis of lecturers' attitudes to professional development courses for teaching in higher education". *South African Academic Development Association*. Port Elizabeth Technikon , Port Elizabeth. December 2004.

#### **Vorster,J**

*Vorster,J*. "Curriculum development processes in an academic department". *25th Conference of the Academy of Pharmaceutical Sciences*. Rhodes University, Grahamstown. September 2004.

**Williams,K**

*Williams,K.* "Enabling pharmacy students' epistemological access to patients' experiences of chronic illness and medicine taking behaviour". *Reinventing the University*. Rhodes University, Grahamstown. December 2004.

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

**ii. International Conferences (Outside South Africa)**

**Boughey,C**

*Boughey,C.* "Resisting pedagogy: Students' responses to critical literacy at a historically black South African university". *The Eleventh International Literacy and Education Research Network Conference on Learning*. Centro de Cenventiones Pedagogicas de Cojimar, Havana. Cuba. June 2004.

**DISTINGUISHED VISITORS**

Dr J Greenberg. University of Maryland, Maryland USA. Lecture. October 2004.

**JOURNAL SUBSIDY UNITS**

<b>ACADEMIC DEVELOPMENT CENTRE</b>	<b>UNITS</b>
<b>Quinn,L and Vorster,J</b>	
<i>Quinn,L and Vorster,J.</i> "Transforming teachers' conceptions of teaching and learning in a Postgraduate Certificate in Higher Education Training Course". <i>South African Journal of Higher Education</i> . 2004. 18(1),364-381.	1.00
<b>TOTAL FOR ACADEMIC DEVELOPMENT CENTRE</b>	<b>1.00</b>



## ACCOUNTING

The research profile of the Department of Accounting continued to grow in 2004. The introduction of a course in research methodology and design as well as two new research based postgraduate programs turned out to be extremely successful and bodes well for the future.

The following is a list of highlights for 2004:

1. Staff achievements

- Lilla Stack has been appointed as Extraordinary Professor at the University of Pretoria and will be acting as supervisor to their doctoral students. Lilla was also responsible for the successful introduction of the course in research methodology and design and the two new 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 Audit and Finance Committee of the Water Research Commission.
- Mark Bunting is currently working on the research component of his Master's in Financial Markets and successfully presented a paper at the international conference of the SAAA/IAAER in June. Mark also successfully published the 2004 edition of his text book on financial reporting in South Africa. He continues to consult on issues of financial reporting to a number of corporations.
- 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.
- Jonathan Lancaster co-authored an article published in Meditari and has another awaiting review with the same journal. He also had an article published in Accountancy SA, the accounting journal of the profession in South Africa.
- The department hosted Dr. Sheila Killian from the University of Limerick as a visiting lecturer in 2004. Sheila presented a paper at the international conference of the SAAA/IAAER in June. She has also had two articles accepted for publication.
- Candice Mullins presented the preliminary findings of her Master's research into the administration of a land tax in South Africa to a meeting of the regional farming community.
- Richard Poole is presently working on his Master's thesis looking at taxation issues in mining in South Africa.
- Lilla Stack, Mark Bunting, Kevin Maree and Candice Mullins were all appointed to the East Cape regional committee of the SAAA. These members will be involved in arranging the SAAA regional conference to be held in 2005.
- Nine members of the department attended the SAAA/IAAER international conference held in Durban.

2. Postgraduate students

- Registrations for 2005 include:

PhD	1
Master's in Taxation	15
- Postgraduate students graduating in 2005 include:

Master's in Taxation	1
Postgraduate Diploma in Accounting	29
Postgraduate Diploma in Taxation	4
BCom Honours in Financial Accounting	2
BCom Honours in Financial Management	4

PROFESSOR K. MAREE  
HEAD OF DEPARTMENT

## OTHER PUBLICATIONS

### **Killian,S**

Kolitz,M and *Killian,S*. "Tax Evasion in South Africa". *Tax Planning*. 2004. 18(6), 150-153.

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

### **i. Local Conferences (Within South Africa)**

#### **Bunting,M**

*Bunting,M*. "An Exercise in Investment Selection: Key Issues in the Practical Application of Modern Portfolio Theory". *SAAA/IAAER Biennial International Conference*. Elangeni Sun, Durban. June/July 2004.

#### **Killian,S**

*Killian,S* and Kolitz,M. "The SARS Approach to Tax Avoidance: A Theoretical Perspective". *SAAA Annual Conference*. Elangeni Sun, Durban. July 2004.

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

### **ii. International Conferences (Outside South Africa)**

#### **Killian,S**

*Killian,S*. "Revenue Services and Environmental Taxes: A Comparative Study of the Irish and South African Approaches". *5th Annual Global Conference on Environmental Taxation*. Pavia. Italy. September 2004.

## JOURNAL SUBSIDY UNITS

<b>ACCOUNTING</b>	<b>UNITS</b>
TOTAL FOR ACCOUNTING	0.00

## ANTHROPOLOGY

This has been a year of inputs more than outputs: Professor Chris de Wet and Dr Rose Boswell each have books accepted (coincidentally) by Berghan Press, Oxford, but only due to be published in 2005. De Wet also has a chapter for a book accepted by Kyoto University Press for 2005. Otherwise, de Wet and Boswell have concentrated on conference papers. Professor Robin Palmer who took over from De Wet as Head of Department at mid-year, had chapters commissioned for an interdisciplinary reference volume on minority entrepreneurs around the world and for a proposed book on land reform by Wisconsin University Press, both only due in 2005; his only research output for 2004, besides a conference paper, is a co-authored output on a Mellon-financed follow-up project at Dwesa-Cwebe on the Wild Coast published by the ISER. However, Mrs Penny Bernard has had two chapters in books published in 2004, and three contributions accepted by the forthcoming Encyclopaedia of Religion and nature. Dr Aleksandar Bošković had a paper published in a book overseas; several entries published in a major international encyclopaedia, has had a paper accepted for *Anthropology Today*, and has refereed papers for several other international journals, besides participation in international conferences (see below). Ms Joy Owen has a chapter accepted for a book on the social sciences in South Africa since 1994. Emeritus Professor Michael Whisson published a book, a chapter and read a paper the annual conference of Southern African anthropologists (see below).

While we had no visitors to the Department in 2004, it was a year of staff travel: De Wet spent the second semester as Nelson Mandela Professor of African Studies at Jawaharlal Nehru University at New Delhi in India, where he also co-organised a conference on Indo-African Relations; Bošković convened a two-day workshop at the European Association of Social Anthropology conference in Vienna and gave a paper at the Association of Social Anthropologists conference in Durham (UK). Boswell, who was on sabbatical in the first half of 2004, undertook fieldwork in Mauritius and Zanzibar. Owen went to Ethiopia to receive a US\$5 000 research grant and to the Human Movements and Immigration World Congress in Barcelona (Spain). Bernard undertook field trips to Zimbabwe as well as KwaZulu-Natal. Our postgraduates have also had a chance to attend a conference: Six postgraduate students were included with the four staff who attended the annual conference of Anthropology Southern Africa at Bloemfontein, all 10 presenting papers.

Among our thesis students, Bernard has made good progress in the writing-up her Ph.D. dissertation on water spirits and their role in the 'calling' of traditional healers during her sabbatical in the first half of the year and Owen completed her first six months 'in the field' among Congolese migrants in Cape Town. In addition, three non-staff Ph.D.s continue (with one about to submit); three MA students submitted dissertations in January and are likely to graduate in 2005; three MA students continue in 2005; and we have had three new MA candidates accepted and one who has just applied. That's a total of 15 'on the books' in 2005.

PROFESSOR R. PALMER  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### **Bernard,PS**

*Bernard,PS and Kumalo,S. "Community-based natural resource management, traditional governance and spiritual ecology in southern Africa: The case of chiefs, diviners and spirit mediums". In: Fabricius,C, Koch,E, Magome,H and Turner, S. (eds) Rights, resources and rural development: Community-based natural resource management in Southern Africa. Earthscan. London. 2004. (Chapter 6), 115-126.*

### **Boskovic,A**

*Boskovic,A. "Clifford James T". In: Amit, V. (eds) Biographical Dictionary of Social and Cultural Anthropology. Routledge. New York and London. 2004. 90-92.*

*Boskovic,A. "Hammond-Tooke W D". In: Amit, V. (eds) Biographical Dictionary of Social and Cultural Anthropology. Routledge. New York and London. 2004. 223-224.*

*Boskovic,A. "Leiris Michel". In: Amit, V. (eds) Biographical Dictionary of Social and Cultural Anthropology. Routledge. New York and London. 2004. 299-301.*

*Boskovic,A. "Levi-Strauss Claude". In: Amit, V. (eds) Biographical Dictionary of Social and Cultural Anthropology. Routledge. New York and London. 2004. 302-303.*

*Boskovic,A. "Nadel S F". In: Amit, V. (eds) Biographical Dictionary of Social and Cultural Anthropology. Routledge. New York and London. 2004. 373-374.*

*Boskovic,A. "Rivers W H R". In: Amit, V. (eds) Biographical Dictionary of Social and Cultural Anthropology. Routledge. New York and London. 2004. 430-431.*

*Boskovic,A. "Thornton Robert J". In: Amit, V. (eds) Biographical Dictionary of Social and Cultural Anthropology. Routledge. New York and London. 2004. 510-511.*

*Boskovic,A. "Tolerance and Alterity in Southeastern Europe". In: Gordon,DR and Durst, DC. (eds) Civil Society in Southeast Europe. Rodopi. Amsterdam. 2004. (Chapter 11), 127-133.*

*Boskovic,A. "Tylor EB". In: Amit, V. (eds) Biographical Dictionary of Social and Cultural Anthropology. Routledge. New York and London. 2004. 523-525.*

#### **Whisson,MG**

*Whisson,MG. "Aids in Africa -- the mystification of a disease". In: Welpé, I. (eds) Peter Lang. Frankfurt am Main. 2004. 354-366.*

*Whisson,MG. Interesting times 1954-2004: A short history of the Institute of Social and Economic Research, Rhodes University. ISER. Grahamstown. 2004. 76 pp.*

#### **OTHER PUBLICATIONS**

#### **Bernard,PS**

*Bernard,PS. "Book review on Magical interpretations, material realities: Modernity, witchcraft and the occult in Postcolonial Africa". Journal of Contemporary African Studies. 2004. 22(1), 119-124.*

*Bernard,PS and Khumalo,ZD. "Indigenous knowledge and the cultural importance of woodland and forest species in southern Africa: The case of *ubulawu*". Lawes,M, Eeley,H, Shackleton,C and Geach, BS. (eds) Indigenous forest and woodlands in South Africa: policy, people and practice. University of KwaZulu-Natal Press. Pietermaritzburg. 2004. (Box 16.1), 494-497.*

#### **Boskovic,A**

*Boskovic,A. "Martine Segalen (ed.), Ethnologie. Concepts et aires culturelles". Pels, P. (eds) Social Anthropology. Cambridge University Press. Cambridge. 2004. 12(3), 388-389.*

#### **Boswell,MJR**

*Boswell,MJR. "Le Malaise Creole: A Critical Study of Ethnic Identity in Mauritius". International Institute for Asian Studies Newsletter No. 33. Leiden. 2004. 33, 21.*

#### **Palmer,RCG**

*Palmer,RCG, Shackleton,CM, Timmermans,HG, Nongwe,N and Hamer,N. "Direct-use values of non-timber forest products at Ntubeni and Cwebe on the Transkei Wild Coast". ISER Research Report Series No:12. ISER. Grahamstown. 2004. 1-36.*

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

**i. Local Conferences (Within South Africa)**

**Boskovic,A**

*Boskovic,A. "Anthropology and deconstruction". Anthropology Southern Africa Conference. University of the Free State, Bloemfontein. November 2004.*

**Boswell,MJR**

*Boswell,MJR. "Island Style: Taarab and Segga as Sources of Resistance, Meaning and Heritage in the Indian Ocean Region". 18th Symposium of Ethnomusicology. ILAM (Rhodes University), Grahamstown. October 2004. 1-17.*

*Boswell,MJR. "Say What You Like: Dress, Identity and Heritage in Zanzibar". Association for Anthropology in Southern Africa (ASA). University of the Free State, Bloemfontein. November 2004. 1-14.*

**Palmer,RCG**

*Palmer,RCG. "A change of tongue: The small politics of a land claim case". Association for Anthropology in Southern Africa (ASA). University of the Free State, Bloemfontein. November 2004. 1-31.*

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

**ii. International Conferences (Outside South Africa)**

**Boskovic,A**

*Boskovic,A. "Former Yugoslav anthropologists' concepts of 'self' and 'other'". ASA Annual Conference. Durham University, Durham. United Kingdom. April 2004.*

*Boskovic,A. "Other anthropologies". EASA Biannual Conference. University of Vienna, Vienna. Austria. September 2004.*

*Boskovic,A. "Derrida's critique of the Saussure's concept of linguistic sign". After Derrida. National Library, Belgrade. Yugoslavia. December 2004.*

*Boskovic,A. "Anthropology and ethnology - Methodologies and perspectives". Anthropology and Ethnology. Challenges and Perspectives. Serbian Academy of Arts and Sciences, Belgrade. Yugoslavia. December 2004.*

**de Wet,CJ**

*de Wet,CJ. "Why do Things Often Go Wrong in Resettlement Projects?". People, Space and the State: Migration Resettlement and Displacement in Ethiopia. Addis Ababa. Ethiopia. January 2003. 55-70.*

*de Wet,CJ and Von Maltitz,E. "Contested Spaces: An Outside Perspective on Debates on Development-Induced Displacement and Resettlement DIDR in India". International Seminar on Development and Displacement: Afro-Asian Perspectives. Osmania University, Hyderabad. India. November 2004.*

**CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.**

**Boswell,MJR**

*Boswell,MJR. Delivered a paper. "Reflexive Ethnography". Research Designs Course. Education Department, Rhodes University. Grahamstown. March 2004.*

*Boswell,MJR. Delivered a paper. "Reflexive Ethnography". Research Designs Course. Education Department, Rhodes University. Grahamstown. 15 September 2004.*

#### OVERSEAS RESEARCH OR FURTHER STUDY

**Boskovic,A**

*Boskovic,A.* University of Oslo, Oslo, Norway. Research. 27 January - 4 February 2004.

*Boskovic,A.* University of Bergen, Bergen, Norway. Research. 10 - 18 September 2004.

**Boswell,MJR**

*Boswell,MJR.* Port Louis, Mauritius. Postdoctoral research. 15 March - 7 April 2004.

*Boswell,MJR.* Stone Town, Zanzibar, Tanzania. Postdoctoral research. 23 - 30 June 2004.

**de Wet,CJ**

*de Wet,CJ.* Jawaharlal Nehru University, New Delhi, India. Postdoctoral research and Course. July-December 2004.

#### JOURNAL SUBSIDY UNITS

ANTHROPOLOGY	UNITS
TOTAL FOR ANTHROPOLOGY	0.00

## BIOCHEMISTRY MICROBIOLOGY & BIOTECHNOLOGY

The past year saw an increase in the international activity of the department with a number of research visits and exchanges taking place. Dr Pletschke made a collaborative research visit to the University of Jyväskylä in Finland, and Dr Bradley to Semmelweis University, Hungary. Professor Whiteley spent sabbatical time at the National University of Taiwan in Taipei as a visiting scientist, during which he presented seminars at National Chiao Tung University and Nanyang Technical University. Professor Dorrington was awarded a Fulbright scholarship to carry out research during her sabbatical at the University of Alabama at Birmingham, and also gave invited research lectures at The Scripps Institute and the University of Oregon.

Professor Greg Blatch has been making the most of his Wellcome Trust International Senior Research Fellowship, was the recipient of an Ernest Oppenheimer Memorial Trust Sabbatical award, and spent a productive six months hosted by his collaborators, Dr Mike Cheetham (UCL, UK) and Professor Richard Zimmermann (Universität des Saarlandes, Germany). During this time he was also hosted for seminars by Professor Bernd Bukau (University of Heidelberg, Germany), and Professor Jörg Höffeld (University of Bonn, Germany). Professor Blatch also became president of the South African Society of Biochemistry and Molecular Biology, with Dr Bradley and Miss Gentz from the department serving on the committee.

The departmental outputs have been suppressed slightly owing to intellectual property constraints for Professor Rose, Dr Pletschke and Dr Burgess, but still consisted of twenty-eight peer-reviewed articles in journals with an average article impact factor of 1.554 and average journal impact factor of 2.04. Two of the articles appeared in journals in the list of top 200 science journals in the world (*Bioessays*, impact factor 8.314 and *Journal of Cell Science*, 6.213). There were a number of additional contributions at national and international conferences, fourteen of which resulted in peer-reviewed published proceedings. Conference presentations took staff and students to Greece (Dr Limson), Australia (Professor Blatch, Dr Burgess), India (Professor Blatch), Switzerland (Professor Blatch), the USA (Professor Dorrington) and Singapore (Professor Whiteley). Dr Burgess' paper on sensor technology for control of wastewater treatment processes was invited for presentation as a keynote address at the European Symposium on Environmental Biotechnology in Belgium. Dr Dames organised and ran a two day Mycorrhizal Symposium in Grahamstown in collaboration with Prof. Finlay, Dr Taylor and Dr Paul from the Swedish Agricultural University.

One of the key outputs of a current research study by Dr Pletschke was the design of a suitable bioprobe strip for the rapid detection of faecal contamination, which was recognized by the American Water Works Research Foundation and Water Research Commission as one of the ten emerging technologies currently under development in South Africa. The Environmental Biotechnology Research Unit continues to go from strength to strength under the leadership of Professor Rose, whose Rhodes BioSURE process was commissioned at full scale for the first time and will be launched amid much well-deserved media attention early in 2005.

PROFESSOR R. DORRINGTON  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### **Burgess,JE and Pletschke,BI**

*Burgess,JE and Pletschke,BI. "Anaerobic and Aerobic Respiration". In: Kirby, R. (eds) Encyclopaedia of Life Support Systems. EOLSS. Oxford, UK. 2004. Fundamentals of Life.*

*Burgess,JE and Pletschke,BI. "Carbon fixation – C3 and C4 pathways". In: Kirby, R. (eds) Encyclopaedia of Life Support Systems. EOLSS. Oxford, UK. 2004. Fundamentals of Life.*

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### **Blatch,GL**

*Edkins,AL, Ludewig,MH and Blatch,GL. "A Trypanosoma cruzi heat shock protein 40 is able to stimulate the adenosine triphosphate hydrolysis activity of heat shock protein 70 and can substitute for a yeast heat shock protein 40". International Journal of Biochemistry and Cell Biology. 2004. 36,1585-1598.*

Longshaw,VM, Chapple,JP, Balda,M, Cheetham,ME and Blatch,GL. "Nuclear translocation of the Hsp70/Hsp90 organizing protein mSTI1 is regulated by cell cycle kinases". *Journal of Cell Science*. 2004. 117,701-710.

Odunuga,OO, Longshaw,VM and Blatch,GL. "Hop: More than an Hsp70/Hsp90 adaptor protein". *Bioessays*. 2004. 26,1058-1068.

**Boshoff,A and Blatch,GL**

Boshoff,A, Hennessy,F and Blatch,GL. "The *in vivo* and *in vitro* characterization of DnaK from *Agrobacterium tumefaciens* RUOR". *Protein Expression and Purification*. 2004. 38,161-169.

Matambo,TS, Odunuga,OO, Boshoff,A and Blatch,GL. "Over-production, purification and characterization of the *Plasmodium falciparum* heat shock protein 70". *Protein Expression and Purification*. 2004. 33,214-222.

**Boshoff,A, Nicoll,WS, Bradley,G and Blatch,GL**

Boshoff,A, Nicoll,WS, Hennessy,F, Ludewig,MH, Daniel,S, Modisakeng,KW, Shonhai,A, McNamara,C, Bradley,G and Blatch,GL. "Molecular chaperones in biology, medicine and protein biotechnology". *South African Journal of Science*. 2004. 100,665-657.

**Burgess,JE and Duncan,JR**

Mack,CL, Burgess,JE and Duncan,JR. "Membrane bioreactors for metal recovery from wastewater: A review". *Water SA*. 2004. 30(4),521-532.

**Burgess,JE, Antunes,APM, Whiteley,CG and Duncan,JR**

Bhagat,M, Burgess,JE, Antunes,APM, Whiteley,CG and Duncan,JR. "Precipitation of mixed metal residues from wastewater utilising biogenic sulphide". *Minerals Engineering*. 2004. 17(7-8),925-932.

**Clarke,AM and Rose,PD**

Clarke,AM, Kirby,R and Rose,PD. "Molecular microbial ecology of lignocellulose mobilisation as a carbon source in mine drainage wastewater treatment". *Water SA*. 2004. 30(5),658-661.

**Dames,JF**

Hawley,GI and Dames,JF. "Mycorrhizal status of indigenous tree species in a forest biome of the Eastern Cape, South Africa". *South African Journal of Science*. 2004. 100,633-637.

**Daniel,S**

Daniel,S, Limson,JL, Dairam,A, Watkins,GM and Daya,S. "Through metal binding, curcumin protects against lead- and cadmium-induced lipid peroxidation in rat brain homogenates and against lead-induced tissue damage in rat brain". *Journal of Inorganic Biochemistry*. 2004. 98(2),266-275.

**Dorrington,RA**

Burton,SG and Dorrington,RA. "Hydantoin-hydrolysing enzymes for the enantioselective production of amino acids: New insights and applications". *Tetrahedron-Asymmetry*. 2004. 15(18),2737-2741.

Matcher,GF, Burton,SG and Dorrington,RA. "Mutational analysis of the hydantoin hydrolysis pathway in *Pseudomonas putida* RU-KM3s". *Applied Microbiology and Biotechnology*. 2004. 65,391-400.

**Dorrington,RA and Blatch,GL**

Modisakeng,KW, Dorrington,RA and Blatch,GL. "Isolation of genes encoding heat shock protein 70 (*hsp70s*) from the coelacanth, *Latimeria chalumnae*". *South African Journal of Science*. 2004. 100,683-686.

**Duncan,JR and Rose,PD**

Boshoff,G, Duncan,JR and Rose,PD. "Tannery effluent as a carbon source for biological sulphate reduction". *Water Research*. 2004. 38(11),2561-2658.



Boshoff,G, Duncan,JR and Rose,PD. "The use of micro-algal biomass as a carbon source for biological sulphate reducing systems". *Water Research*. 2004. 38(11),2659-2666.

**Goyvaerts,EMA**

Mollet,MHN and Goyvaerts,EMA. "Preliminary examination of factors affecting *Agrobacterium tumefaciens*-mediated transformation of marula, *Sclerocarya birrea* subsp. *cappfra* (Anacardiaceae)". *Plant Cell Tissue and Organ Culture*. 2004. 79,321-328.

**Jiwaji,M**

Oosthuizen,A, Jiwaji,M and Shaw,P. "Genetic analysis of the *Octopus vulgaris* population on the coast of South Africa". *South African Journal of Science*. 2004. 100,603-607.

**Leukes,WD**

Govender,S, Jacobs,EP, Leukes,WD, Odhav,B and Pillay,VL. "Towards an optimum spore immobilisation strategy using *Phanerochaete chrysosporium*, reverse filtration and ultrafiltration membranes". *Journal of Membrane Science*. 2004. 238(1-2),83-92.

Vine,NG, Leukes,WD and Kaiser,H. "In vitro growth characteristics of five candidate aquaculture probiotics and two fish pathogens grown in fish intestinal mucus". *Fems Microbiology Letters*. 2004. 231,145-152.

Vine,NG, Leukes,WD, Kaiser,H, Daya,S, Baxter,J and Hecht,T. "Competition for attachment of aquaculture candidate probiotic and pathogenic bacteria on fish intestinal mucus". *Journal of Fish Diseases*. 2004. 27(6),319-326.

**Limson,JL and Blatch,GL**

Limson,JL, Odunuga,OO, Green,H, Höök,F and Blatch,GL. "The use of Quartz Crystal Microbalance with Dissipation for the measurement of protein-protein interactions: A qualitative and quantitative analysis of the interactions between molecular chaperones". *South African Journal of Science*. 2004. 100,678-682.

**Pletschke,BI and Leukes,WD**

Jordaan,J, Pletschke,BI and Leukes,WD. "Purification and partial characterization of a thermostable laccase from an unidentified basidiomycete". *Enzyme and Microbial Technology*. 2004. 34,635-641.

**Rose,PD**

Molwantwa,JB, Coetser,SE, Heath,R and Rose,PD. "Development of the floating sulphur biofilm reactor for sulphide oxidation in biological water treatment systems". *Water SA*. 2004. 30(5),655-657.

**Whiteley,CG, Pletschke,BI, Rose,PD and Whittington-Jones,K**

Whiteley,CG, Pletschke,BI, Rose,PD, Tshivhunge,S, Watson,SD and Whittington-Jones,K. "Activation of proteases in an anaerobic sulphidogenic bioreactor". *Biotechnology Letters*. 2004. 26(1),55-59.

**Whiteley,CG, Rose,PD and Pletschke,BI**

Watson,SD, Akhurst,T, Whiteley,CG, Rose,PD and Pletschke,BI. "Primary sludge floc degradation is accelerated under biosulphidogenic conditions: Enzymological aspects". *Enzyme and Microbial Technology*. 2004. 34(6),595-602.

**Whittington-Jones,K and Rose,PD**

Molwantwa,JB, Whittington-Jones,K and Rose,PD. "An investigation into the mechanism underlying enhanced hydrolysis of complex carbon in a biosulphidogenic recycling sludge bed reactor (RSBR)". *Water SA*. 2004. 30(5),150-154.

**Wilhelmi,BS**

Ndondo,IB, Wilhelmi,BS, Mabinya,LV and Brand,JM. "Serum vitamin E levels in free-ranging Black Rhinoceros in the Eastern Cape". *South African Journal of Wildlife Research*. 2004. 34(1),100-102.

Ndondo,IB, Wilhelmi,BS, Mabinya,LV and Brand,JM. "Alpha-tocopherol and fatty acids of major browse plant species of Black Rhinoceros in the Great Fish River Reserve". *South African Journal of Wildlife Research*. 2004. 34(1),87-93.

## OTHER PUBLICATIONS

### **Whiteley,CG, Pletschke, BI, Burgess, JE, Whittington-Jones, K and Rose, PD**

*Whiteley,CG, Pletschke, BI, Burgess, JE, Tshivhunge, AS, Ngesi, N, Whittington-Jones, K, Enongene, GE, van Jaarsveld, F, Heron, P, Rashamuse, K, Oyekola, O, Meleman, X and Rose, PD.* "Investigation into the Enzymology of Accelerated Primary Sewage Sludge Solubilisation and Digestion in Sulphate Reducing Systems". Water Research Commission. 2004. October.

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

### **i. Local Conferences (Within South Africa)**

#### **Blatch,GL**

*Aken,B and Blatch,GL.* "Characterisation of stress-inducible STI1 in yeast, mice and humans". *Eastern Cape SASBMB Biochemistry Symposium*. University of Port Elizabeth, Port Elizabeth. November 2004.

#### **Burgess,JE and Duncan,JR**

*Kasia,J, Burgess,JE and Duncan,JR.* "Biological removal of ammonia and nitrate from metal processing wastewater". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004. CD-ROM. 536-545.

*Mack,CL, Burgess,JE and Duncan,JR.* "A sulphide-extraction membrane bioreactor for the reclamation of metals from industrial process wastewater". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004. CD-ROM. 618-623.

#### **Dames,JF**

*Hawley,GI and Dames,JF.* "Characterisation and identification of ectomycorrhizal roots". *South African Microbiology Society Congress*. Stellenbosch University, Stellenbosch. April 2004. 134.

#### **Limson,JL**

*Limson,JL.* *Biotechnology, the Public and the Media Conference*. University of Pretoria, Pretoria. March 2004.

#### **Pletschke,BI and Whiteley,CG**

*Oyekola,OO, Pletschke,BI and Whiteley,CG.* "Isolation and characterization of endoglucanase from sewage sludge under biosulphidogenic conditions of sewage hydrolysis". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004. CD-ROM. 1345.

#### **Rose,PD**

*Kirby,R, Clarke,AM and Rose,PD.* "Molecular microbial ecology of lignocellulose mobilization as a carbon source in mine drainage wastewater treatment". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004. CD-ROM. 951-956.

*Molwantwa,JB, Coetser,SE, Heath,R and Rose,PD.* "Development of the floating sulphur biofilm reactor for sulphide oxidation in biological water treatment systems". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004. CD-ROM. 564-568.

*Neba,A and Rose,PD.* "The independent high rate algal pond (I-HRAP) incorporating denitrification in tertiary wastewater treatment". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004. CD-ROM. 1014-1018.

#### **Whittington-Jones,KJ and Rose,PD**

*Molwantwa,JB, Whittington-Jones,KJ and Rose,PD.* "An investigation into the mechanism underlying enhanced hydrolysis of complex carbon in a biosulphidogenic recycling sludge bed reactor (RSBR)". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004. CD-ROM. 665-672.

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

**ii. International Conferences (Outside South Africa)**

**Blatch,GL**

*Blatch,GL.* "Organizing molecular chaperone machinery in the cytoplasm and the nucleus: The Hop connection". *Wellcome Trust International Senior Research Fellows Meeting*. National Centre for Biological Sciences, Tata Institute for Fundamental Research, Bangalore. India. March 2004.

*Blatch,GL, Longshaw,VM and Odunga,OO.* "The versatile adaptor protein: Heat shock protein 70/heat shock protein 90 organizing protein (Hop)". *29th Annual Lorne Conference on Protein Structure and Function*. Erskine Beach Hotel, Lorne. Australia. February 2004.

*Blatch,GL, Longshaw,VM, Odunuga,OO, Chapple,JP and Cheetham,ME.* "Organizing Hsp70 and Hsp90 in the cytosol and the nucleus: The Hop connection". *2nd International Conference on the Hsp90 Chaperone Machine*. Gwatt-Zentrum, Gwatt. Switzerland. September 2004.

**Blatch,GL and Bradley,G**

*Kaye,PT, Blatch,GL, Bradley,G, Beukes,E, Davies-Coleman,MT, Kroger,W, Molefe,DM, Nocanda,XW, Vijayan,PR, Sunassee,S and Tanner,DC.* "Development of Novel Anti-HIV-I and Anti Malarial Agents". *RSC/IUPAC Conference on Biomolecular Chemistry*. Sheffield. United Kingdom. June/July 2004.

**Burgess,JE**

*Burgess,JE.* *1st International Conference on Onsite Wastewater Treatment & Recycling and 6th Specialist Conference on Small Water & Wastewater Systems*. Esplanade Hotel, Fremantle. Australia. February 2004.

*Stuetz,RM, Burgess,JE, Bourgeois,W and Stephenson,T.* "Biosensing Systems for Monitoring Aerobic Wastewater Treatment Processes". *European Symposium on Environmental Biotechnology*. Thermae Palace Hotel, Oostende. Belgium. April 2004. 39-43.

**Limson,JL and Burgess,JE**

*Limson,JL, Brimecombe,R and Burgess,JE.* "Electrochemical Sensors for Pesticide Management". *International Society of Electrochemistry - 55th Annual Meeting - Thessaloniki*. Vellidid International Centre, Thessaloniki. Greece. September 2004.

**Rose,PD**

*Rose,PD, Corbett,C, Neba,A and Whittington-Jones,K.* "Sewage sludge as an electron donor in biological mine wastewater Treatment: Development of the Rhodes BioSURE process®". *Mine Water 2004. Process, Policy and Progress*. University of Newcastle, Newcastle-Upon-Tyne. UK. September 2004. 2. 111-118.

**Whiteley,CG, Burgess,JE and Pletschke,BI**

*Whiteley,CG, Burgess,JE, Pletschke,BI, Enongene,GN and Whittington-Jones,K.* "Enzyme profiles in an anaerobic sulphidogenic reactor. Floc morphology and size distribution". *Sludge management: Forging new frontiers*. Raffles Town Club, Singapore. Singapore. March 2004. CD-ROM.

**CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.**

**Burgess,JE**

*Burgess,JE.* Organiser (International Advisory Committee). *1st International Conference on Onsite Wastewater Treatment & Recycling and 6th Specialist Conference on Small Water & Wastewater Systems*. Esplanade Hotel. Fremantle, Australia. 11 - 13 February 2004.

**Dames,JF**

*Dames,JF.* Organiser. Mycorrhizal symposium. Rhodes University. Grahamstown. 2 - 3 December 2004.

Straker,CJ, Bouwman,B, *Dames,JF*, Valentine,V and Sinclair,RS. Participant. "*Production of mycorrhizal inoculants in South Africa and issues of registration*". Mycorrhizal Symposium. Rhodes University. Grahamstown. 2 - 3 December 2004.

**OVERSEAS RESEARCH OR FURTHER STUDY****Blatch,GL**

*Blatch,GL.* Department of Pathology, Institute of Ophthalmology, University College London, UK. Sabbatical Research with collaborator Dr ME Cheetham. 17 May - 6 August 2004.

*Blatch,GL.* Department of Medical Biochemistry, Universität des Saarlandes, Germany. Sabbatical Research with collaborator Professor R Zimmermann. 9 August - 26 October 2004.

**Bradley,G**

*Bradley,G.* Semmelweis University, Budapest, Hungary. Visiting scientist. 3 - 17 July 2004.

**Pletschke,BI**

*Pletschke,BI.* University of Jyväskylä, Jyväskylä, Finland. Visiting scientist. 29 June - 23 July 2004.

**Whiteley,CG**

*Whiteley,CG.* National University Taiwan, Tai Pei, Taiwan. Visiting scientist. 1 February - 30 April 2004.

**DISTINGUISHED VISITORS**

Professor P Csermely. Department of Medical Biochemistry, Semmelweis University, Budapest, Hungary. Collaborative research. December 2004.

Professor R Finlay. Swedish Agricultural University, Uppsala, Sweden. Mycorrhizal symposium lecture and research visit. November-December 2004.

Professor M Okot-Kotber. Kansas State University, Manhattan, Kansas, USA. Collaborative research. July 2004.

Dr B Oppert. ARS Grain Marketing and Production Research Center, Manhattan, Kansas, USA. Collaborative research and seminars. July 2004.

Dr L Paul. Swedish Agricultural University, Uppsala, Sweden. Mycorrhizal symposium lecture and research visit. November-December 2004.

Dr A Taylor. Swedish Agricultural University, Uppsala, Sweden. Mycorrhizal symposium lecture, research visit, workshop convenor. November-December 2004.

**JOURNAL SUBSIDY UNITS**

<b>BIOCHEMISTRY MICROBIOLOGY &amp; BIOTECHNOLOGY</b>	<b>UNITS</b>
<b>Blatch,GL</b>	
<i>Edkins,AL, Ludewig,MH and Blatch,GL.</i> "A <i>Trypanosoma cruzi</i> heat shock protein 40 is able to stimulate the adenosine triphosphate hydrolysis activity of heat shock protein 70 and can substitute for a yeast heat shock protein 40". <i>International Journal of Biochemistry and Cell Biology</i> . 2004. 36,1585-1598.	1.00
<i>Longshaw,VM, Chapple,JP, Balda,M, Cheetham,ME and Blatch,GL.</i> "Nuclear translocation of the Hsp70/Hsp90 organizing protein mSTI1 is regulated by cell cycle kinases". <i>Journal of Cell Science</i> . 2004. 117,701-710.	0.40
<i>Odunuga,OO, Longshaw,VM and Blatch,GL.</i> "Hop: More than an Hsp70/Hsp90 adaptor protein". <i>Bioessays</i> .	0.67

2004. 26,1058-1068.	
<b>Boshoff,A and Blatch,GL</b>	
Boshoff,A, Hennessy,F and Blatch,GL. "The <i>in vivo</i> and <i>in vitro</i> characterization of DnaK from <i>Agrobacterium tumefaciens</i> RUOR". <i>Protein Expression and Purification</i> . 2004. 38,161-169.	1.00
Matambo,TS, Odunuga,OO, Boshoff,A and Blatch,GL. "Over-production, purification and characterization of the <i>Plasmodium falciparum</i> heat shock protein 70". <i>Protein Expression and Purification</i> . 2004. 33,214-222.	1.00
<b>Boshoff,A, Nicoll,WS, Bradley,G and Blatch,GL</b>	
Boshoff,A, Nicoll,WS, Hennessy,F, Ludewig,MH, Daniel,S, Modisakeng,KW, Shonhai,A, McNamara,C, Bradley,G and Blatch,GL. "Molecular chaperones in biology, medicine and protein biotechnology". <i>South African Journal of Science</i> . 2004. 100,665-657.	1.00
<b>Burgess,JE and Duncan,JR</b>	
Mack,CL, Burgess,JE and Duncan,JR. "Membrane bioreactors for metal recovery from wastewater: A review". <i>Water SA</i> . 2004. 30(4),521-532.	1.00
<b>Burgess,JE, Antunes,APM, Whiteley,CG and Duncan,JR</b>	
Bhagat,M, Burgess,JE, Antunes,APM, Whiteley,CG and Duncan,JR. "Precipitation of mixed metal residues from wastewater utilising biogenic sulphide". <i>Minerals Engineering</i> . 2004. 17(7-8),925-932.	1.00
<b>Clarke,AM and Rose,PD</b>	
Clarke,AM, Kirby,R and Rose,PD. "Molecular microbial ecology of lignocellulose mobilisation as a carbon source in mine drainage wastewater treatment". <i>Water SA</i> . 2004. 30(5),658-661.	0.67
<b>Dames,JF</b>	
Hawley,GI and Dames,JF. "Mycorrhizal status of indigenous tree species in a forest biome of the Eastern Cape, South Africa". <i>South African Journal of Science</i> . 2004. 100,633-637.	1.00
<b>Dorrington,RA</b>	
Burton,SG and Dorrington,RA. "Hydantoin-hydrolysing enzymes for the enantioselective production of amino acids: New insights and applications". <i>Tetrahedron-Asymmetry</i> . 2004. 15(18),2737-2741.	0.50
Matcher,GF, Burton,SG and Dorrington,RA. "Mutational analysis of the hydantoin hydrolysis pathway in <i>Pseudomonas putida</i> RU-KM3s". <i>Applied Microbiology and Biotechnology</i> . 2004. 65,391-400.	0.67
<b>Dorrington,RA and Blatch,GL</b>	
Modisakeng,KW, Dorrington,RA and Blatch,GL. "Isolation of genes encoding heat shock protein 70 ( <i>hsp70s</i> ) from the coelacanth, <i>Latimeria chalumnae</i> ". <i>South African Journal of Science</i> . 2004. 100,683-686.	1.00
<b>Duncan,JR and Rose,PD</b>	
Boshoff,G, Duncan,JR and Rose,PD. "Tannery effluent as a carbon source for biological sulphate reduction". <i>Water Research</i> . 2004. 38(11),2561-2658.	0.67
Boshoff,G, Duncan,JR and Rose,PD. "The use of micro-algal biomass as a carbon source for biological sulphate reducing systems". <i>Water Research</i> . 2004. 38(11),2659-2666.	0.67
<b>Goyvaerts,EMA</b>	
Mollet,MHN and Goyvaerts,EMA. "Preliminary examination of factors affecting <i>Agrobacterium tumefaciens</i> -mediated transformation of marula, <i>Sclerocarya birrea</i> subsp. <i>cappfra</i> (Anacardiaceae)". <i>Plant Cell Tissue and Organ Culture</i> . 2004. 79,321-328.	0.25
<b>Jiwaji,M</b>	
Oosthuizen,A, Jiwaji,M and Shaw,P. "Genetic analysis of the <i>Octopus vulgaris</i> population on the coast of South Africa". <i>South African Journal of Science</i> . 2004. 100,603-607.	0.34
<b>Leukes,WD</b>	
Govender,S, Jacobs,EP, Leukes,WD, Odhav,B and Pillay,VL. "Towards an optimum spore immobilisation strategy using <i>Phanerochaete chrysosporium</i> , reverse filtration and ultrafiltration membranes". <i>Journal of Membrane Science</i> . 2004. 238(1-2),83-92.	0.20
Vine,NG, Leukes,WD and Kaiser,H. "In vitro growth characteristics of five candidate aquaculture probiotics and two fish pathogens grown in fish intestinal mucus". <i>Fems Microbiology Letters</i> . 2004. 231,145-152.	0.33
Vine,NG, Leukes,WD, Kaiser,H, Daya,S, Baxter,J and Hecht,T. "Competition for attachment of aquaculture candidate probiotic and pathogenic bacteria on fish intestinal mucus". <i>Journal of Fish Diseases</i> . 2004. 27(6),319-326.	0.16
<b>Limson,JL and Blatch,GL</b>	
Limson,JL, Odunuga,OO, Green,H, Höök,F and Blatch,GL. "The use of Quartz Crystal Microbalance with Dissipation for the measurement of protein-protein interactions: A qualitative and quantitative analysis of the	0.60

interactions between molecular chaperones". <i>South African Journal of Science</i> . 2004. 100,678-682.	
<b>Pletschke,BI and Leukes,WD</b>	
<i>Jordaan,J, Pletschke,BI and Leukes,WD</i> . "Purification and partial characterization of a thermostable laccase from an unidentified basidiomycete". <i>Enzyme and Microbial Technology</i> . 2004. 34,635-641.	1.00
<b>Rose,PD</b>	
<i>Molwantwa,JB, Coetser,SE, Heath,R and Rose,PD</i> . "Development of the floating sulphur biofilm reactor for sulphide oxidation in biological water treatment systems". <i>Water SA</i> . 2004. 30(5),655-657.	0.50
<b>Whiteley,CG, Pletschke,BI, Rose,PD and Whittington-Jones,K</b>	
<i>Whiteley,CG, Pletschke,BI, Rose,PD, Tshivhunge,S, Watson,SD and Whittington-Jones,K</i> . "Activation of proteases in an anaerobic sulphidogenic bioreactor". <i>Biotechnology Letters</i> . 2004. 26(1),55-59.	1.00
<b>Whiteley,CG, Rose,PD and Pletschke,BI</b>	
<i>Watson,SD, Akhurst,T, Whiteley,CG, Rose,PD and Pletschke,BI</i> . "Primary sludge floc degradation is accelerated under biosulphidogenic conditions: Enzymological aspects". <i>Enzyme and Microbial Technology</i> . 2004. 34(6),595-602.	1.00
<b>Whittington-Jones,K and Rose,PD</b>	
<i>Molwantwa,JB, Whittington-Jones,K and Rose,PD</i> . "An investigation into the mechanism underlying enhanced hydrolysis of complex carbon in a biosulphidogenic recycling sludge bed reactor (RSBR)". <i>Water SA</i> . 2004. 30(5),150-154.	1.00
<b>TOTAL FOR BIOCHEMISTRY MICROBIOLOGY &amp; BIOTECHNOLOGY</b>	<b>18.63</b>

## BOTANY

In 2004 staff and students published or have in press 6 book chapters, 17 journal papers and 11 popular articles. Staff and students presented at 7 papers at international and 13 papers at local conferences. Two staff proceeded overseas on research and the Department received several international visitors. Staff members made successful funding applications to the NRF and international funding organisations and this is anticipated to simulate research in 2005. In 2005 the Department will have 3 Honours, 9 MSc, 5 PhD and 4 post-doctoral students.

### Individual staff members achievements include:

**Professor CEJ Botha:** Ted maintained international links and established a new collaboration with Professor Lisbeth Jonsson of Södertörn University, Sweden on a programme jointly funded by the Swedish Government and the NRF. He attended the 4th International Plasmodesmal Biology Conference in California delivering a plenary lecture and with his students continued with research in the NRF Unlocking the Future Programme.

**Professor RA Lubke:** Roy continued research on the coastal environment with an MSc being successfully completed and the joint publication of three journal articles. His research on the Brenton-Blue butterfly at Nature's Valley has produced evidence that the butterfly may return. He has continued with rehabilitation studies at Coega and on a SANPAD (South Africa-Netherlands Research Programme on Alternatives in Development) project investigating the cultivation of medicinal plants.

**Professor NP Barker:** Nigel acted as opponent in a PhD thesis defence at Uppsala, Sweden and presented guest lectures at Uppsala and Stockholm Universities. He co-ordinated scientific submissions for the Rhodes University centenary issue of SAJS and received NRF funding for two major research programmes on plant systematics and biogeography, and the phylogeography of marine organisms. Nigel raised, through the Mellon Foundation-African Plants Initiative, much need funding for the Schonland herbarium.

**Dr BS Ripley:** Brad continued to develop research collaboration on the evolution and competitive advantage of C<sub>4</sub> photosynthesis with colleagues from Sheffield University, successfully obtaining NRF funding and attracting further postgraduate students. Brad and his student's continued with collaborative research on the ecophysiology of coastal dune and medicinal plants.

**Dr S Vetter:** Susi published research from her PhD and presented at the Congress of the Grassland Society of Southern Africa. Susi and collaborators have developed a research programme on the ecology of rare and threatened plant species which has attracted two postgraduate students.

**Mr CI Peter:** Craig continued work on the pollination biology of the genus *Eulophia*, and other plants, publishing results and attracting a postgraduate student. Craig's research is primarily field based and he has been working throughout the eastern parts of South Africa and on the Swedish island of Öland in the Baltic.

**Mr AP Dold:** Tony was promoted to the position of Herbarium Curator, described two new species of plants and contributed to taxonomic and plant utilisation research publishing book, journal and popular articles. Tony continued to collaborate with researcher from ISER and SANBI (Threatened species programme).

DR. B. RIPLEY  
HEAD OF DEPARTMENT

### BOOKS/CHAPTERS/MONOGRAPHS

#### Dold,AP

Cocks,ML and Dold,AP. "The informal trade of *Cassipourea flanaganii* as a cosmetic in South Africa". In: Sunderland,T and Ndoye, O. (eds) Forest products, Livelihoods and Conservation: Case studies of NTFP systems. Indonesia Press. Indonesia. 2004. 2, 73-90.

Cocks,ML and Dold,AP. "UmMemezi cosmetic bark". In: Lopez,C and Shanley, P. (eds) *Riches of the Forest: For health life and spirit in Africa*. Center for International Forestry Research. Jakarta. 2004. 37-40.

Cocks,ML, Dold,AP and Grundy,IM. "The trade in medicinal plants from forests in the Eastern Cape Province". In: Lawes,M, Eeley,H, Schackleton,C and Geach, B. (eds) *Indigenous Forests and Woodlands: Policy, people and practice*. University of KwaZulu-Natal Press. Scottsville . 2004. 1, 473-492.

#### **Lubke,RA**

Lubke,RA. "Vegetation Dynamics and Succession on Sand Dunes of the Eastern Coasts of Africa". In: Martinez,ML and Psuty, NP. (eds) *Ecological Studies Vol 17. Coastal Sand Dunes: Ecology and Conservation*. Springer-Verlag. Berlin Heidelberg. 2004. 171, 67-82.

Martinez,ML, Psuty,NP and Lubke,RA. "A Perspective on Coastal Dunes". In: Martinez,ML and Psuty, NP. (eds) *Ecological Studies Vol 17. Coastal Sand Dunes: Ecology and Conservation*. Springer-Verlag. Berlin Heidelberg. 2004. 171, 3-10.

#### **Ripley,BS**

Ripley,BS and Pammenter,NW. "Physiological Characteristics of Coastal Dune Pioneer Species from the Eastern Cape South Africa in relation to Stress and disturbance". In: Martinez,ML and Psuty, NP. (eds) *Ecological Studies Vol 17. Coastal Sand Dunes: Ecology and Conservation*. Springer-Verlag. Berlin Heidelberg. 2004. 171, 137-153.

#### **Vetter,S**

Vetter,S (eds). *Rangelands at equilibrium and non-equilibrium: Recent Developments in the debate around rangeland ecology and management*. Programme for Land and Agrarian Studies, University of the Western Cape. 2004. 75 pp.

### **PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**

#### **Barker,NP**

Barker,NP, Muller,EM and Mill,RR. "A Yellowwood by any other name: Molecular systematics and the taxonomy of *Podocarpus* and the Podocarpaceae in Southern Africa". *South African Journal of Science*. 2004. 100,629-632.

Barker,NP, Vanderpoorten,A, Morton,CM and Rourke,JP. "Phylogeny, biogeography, and the evolution of life-history traits in *Leucadendron* (Proteaceae)". *Molecular Phylogenetics and Evolution*. 2004. 33,845-860.

Vanderpoorten,A and Barker,NP. "A contribution to the moss flora of southern South Africa". *Journal of Bryology*. 2004. 26,230-232.

Villet,MH, Barker,NP and Lunt,N. "Mechanisms generating biological diversity in the genus *Platypleura* Amyot & Serville 1843 (Hemiptera: Cicadidae) in southern Africa: Implications of a preliminary molecular phylogeny". *South African Journal of Science*. 2004. 100,589-594.

#### **Botha,CEJ**

Ade-Ademilua,OE and Botha,CEJ. "The effects of elevated CO<sub>2</sub> and nitrogen availability supersedes the need for nodulation in peas grown under controlled environmental conditions". *South African Journal of Botany*. 2004. 70(5),816-823.

Botha,CEJ, Cross,RHM and Gerber,J. "The microstructure of plasmodesmata in internodal stem tissue of the *Saccharum* hybrid var. NCo376: Evidence for an apoplasmic loading pathway". *South African Journal of Science*. 2004. 100,619-623.

Botha,CEJ and Matsiliza,B. "Reduction in transport in wheat (*Triticum aestivum*) is caused by sustained phloem feeding by the Russian wheat aphid *Diuraphis noxia*". *South African Journal of Botany*. 2004. 70,249-254.

#### **Dold,AP**

Cocks,ML and Dold,AP. "A new Broom sweeps clean: The economic and cultural value of grass brooms in the Eastern Cape Province South Africa". *Forests, Trees and Livelihoods*. 2004. 13,33-42.



Dold,AP and Brink,E. "*Drimia chalumensis* (Hyacinthaceae - Urgineoideae) a new species from Eastern Cape South Africa". *South African Journal of Botany*. 2004. 70(4),631-634.

**Knevel,IC, Lans,T and Hertling,UM**

Knevel,IC, Lans,T, Menting,FBJ, Hertling,UM and Van der Putten,WH. "Release from native root herbivores and biotic resistance by soil pathogens in a new habitat both affect the alien *Ammophila arenaria* in South Africa". *Oecologia*. 2004. 141,502-510.

**Lubke,R and Brink,E**

Lubke,R and Brink,E. "One hundred years of botany at Rhodes University". *South African Journal of Science*. 2004. 100,609-614.

**Lubke,RA**

Knevel,IC and Lubke,RA. "Reproductive phenology of *Scaevola plumieri*; a key coloniser of the coastal foredunes of South Africa". *Plant Ecology*. 2004. 175,137-145.

**Peter,CI**

Johnson,SD, Neal,PR, Peter,CI and Edwards,TJ. "Fruiting failure and limited recruitment in remnant populations of the hawkmoth-pollinated tree *Oxyanthus pyrifolius* subsp. *pyrifolius* (Rubiaceae)". *Biological Conservation*. 2004. 120,31-39.

Johnson,SD, Peter,CI and Agren,J. "The effects of nectar addition on pollen removal and geitonogamy in the non-rewarding orchid *Anacamptis morio*". *Proceedings of the Royal Society of London Series B - Biological Sciences*. 2004. 271,803-809.

**Peter,CI, Dold,AP, Barker,NP and Ripley,BS**

Peter,CI, Dold,AP, Barker,NP and Ripley,BS. "Pollination biology of *Bergeranthus multiceps* (Aizoaceae) with preliminary observations of repeated flower opening and closure". *South African Journal of Science*. 2004. 100,624-629.

**Ripley,BS**

Ripley,BS and Pammenter,NW. "Do low standing biomass and leaf area index of sub-tropical coastal dunes ensure that plants have an adequate supply of water?". *Oecologia*. 2004. 139,535-544.

**Ripley,BS and Dames,J**

Ripley,BS, Redfern,S and Dames,J. "Quantification of the photosynthetic performance of phosphorus-deficient *Sorghum* by means of chlorophyll-a fluorescence kinetics". *South African Journal of Science*. 2004. 100,615-618.

**Vetter,S**

Pauw,A, Van Bael,SA, Peters,HA, Allison,SD, Camargo,JL, Cifuentes-Jara,M, Conserva,A, Restom,TG, Heartsil-Scalley,T, Mangan,SA, Nunez-Iturri,G, Rivera-Ocasio,E, Rountree,M, Vetter,S and de Castilho,CV. "Physical damage in relation to carbon allocation strategies of tropical forest tree saplings". *Biotropica*. 2004. 36(3),410-413.

**OTHER PUBLICATIONS**

**Dold,AP**

Cocks,ML, Dold,AP and Grundy,I. "Challenges facing a community structure to implement CBNRM in the Eastern Cape South Africa". *African Studies Quarterly*. 2004. 5(3).

Dold,AP and Cocks,ML. "The rape continues (*Hypoxis hemerocallidea*)". Clippings of the Albany Branch of the Botanical Society of South Africa. Botanical Society Grahamstown Branch. Grahamstown. 2004. (Occasional Publication).

Dold,AP and Hammer,S. "Notes on the genus *Orthoperum* L. Bolus and its relatives". Aloe. SA Succulent Society. Pretoria. 2004. 41(2 & 3), 45-49.

Dold,AP and McMaster,C. "*Nerine gibsonii*". Veld & Flora. Botanical Society of SA. Cape Town. 2004. 90(3), 102-104.

Dold,AP and Williamson,G. "A new dwarf species of *Bulbine* Wolf (Asphodelaceae) *B. inamarxiae*". Aloe. SA Succulent Society. Pretoria. 2004. 41(2 & 3), 28-31.

**Dold,AP and Brink,E**

Dold,AP and Brink,E. "The Fish River Tick Plant - a newly described dwarf succulent from the Albany Centre of Endemism". Cactus and Succulent Journal (US). Cactus and Succulent Soc. (US). 2004. 76, 158-161.

**Dold,AP**

Dold,AP and Cocks,M. "Cultivating for health and wealth". Quest. Academy of Science of SA. Melville. 2004. 1(-2), 16-17.

Dold,AP, Cocks,M and Sizane,N. "A new Broom". Veld & Flora. Botanical Society SA. Cape Town. 2004. 90(4), 158-161.

**Lubke,RA**

Lubke,RA. "N2 Wild Coast Bridge over Mtentu River Gorge". Environmental Management Planning. The South African National Roads Agency Ltd. Pretoria. 2004. 7.

Lubke,RA. "N2 Wild Coast Bridge over Msikaba River Gorge". Environmental Management Planning. The South African National Roads Agency Ltd. Pretoria. 2004. 7.

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

**i. Local Conferences (Within South Africa)**

**Barker,NP**

Ramdhani,S, Barker,NP and Baijnath,H. "Phylogenetics of the genus *Kniphofia* Moench (Asphodelaceae)". SAAB. UKZN, Durban. January 2004.

**Botha,CEJ**

Botha,CEJ. "Visualization of transport in grass leaves – apoplasmic or symplasmic?". SAAB. UKZN, Durban. January 2004.

Botha,CEJ. "The Magical Margo – rapid retrieval pathway between the apoplasm and the symplasm in grasses". SAAB. UKZN, Durban. January 2004.

Ade Ademilua,OE and Botha,CEJ. "The Plastochron index as a measure of plant growth under controlled elevated CO<sub>2</sub> growth conditions". SAAB. UKZN, Durban. January 2004.

Ade Ademilua,OE and Botha,CEJ. "The effects of elevated CO<sub>2</sub> and nitrogen availability supersedes the need for nodulation in peas". SAAB. UKZN, Durban. January 2004.

**Dold,AP**

Cocks,ML and Dold,AP. "The significance of plant species diversity to rural household livelihoods and cultural diversity in the Peddie District Eastern Cape Province". *Thicket Forum*. Zuurborg Mountain Inn, Addo. May 2004.

**Dold,AP and Lubke,RA**

Pote,J, Cocks,ML, Dold,AP, Lubke,RA and Shackleton,CM. "The homegarden cultivation of indigenous Amayeza in the Eastern Cape". *Indigenous Plant Use Forum: Indigenous Knowledge Systems and Intellectual Property Rights*. Augsberg Agricultural School, Clanwilliam. July 2004.

**Lubke,RA**

Lubke,RA. "Rescue and Restoration planning at Coega Kop Eastern Cape". SAAB. UKZN, Durban. January 2004.

**Ripley,BS**

Gilbert,M and Ripley,BS. "Testing the basic assumption of the JIP-test of PSII behaviour". SAAB. UKZN, Durban. January 2004.

Muller,EM, Ripley,BS, Whittington-Jones,G and Hill,MP. "Biomass and photosynthetic productivity of water hyacinth *Eichhornia crassipes* as affected by nutrient supply and biocontrol by the mirid *Eccritotarsus catarrinensis*". SAAB. UKZN, Durban. January 2004.

White,A, Ripley,BS and Davies-Coleman,MT. "Growth and harvest conditions that maximise bioactive metabolite production of *Pelargonium reniforme*". SAAB. UKZN, Durban. January 2004.

**Vetter,S**

Vetter,S. *Thicket Forum*. Zuurberg Mountain Inn, Addo. May 2004.

Vetter,S. "Rangelands at equilibrium or at non-equilibrium? The state of the debate". *Congress of the Grassland Society of Southern Africa*. Goudini Spa, Worcester. July 2004.

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

Barker,NP, Vanderpoorten,A and Rourke,JP. "The phylogeny of *Leucadendron* (Proteaceae): Can plastid sequence data assist in resolving species relationships?". *AETFAT*. Addis Ababa. Ethiopia. September 2004.

Linder,HP and Barker,NP. "From Nees to now changing questions in the systematics of the grass subfamily Danthonioidae". *Leopoldina meeting: "From Plant Taxonomy to Evolutionary Biology"*. Halle. Germany. June 2004.

Ramdhani,S, Barker,NP and Baijnath,H. "Biogeography and phylogenetics of the genus *Kniphofia* Moench (Asphodelaceae)". *AETFAT*. Addis Ababa. Ethiopia. September 2004.

Villet,MH, Lunt,N and Barker,NP. "Harnessing phylogeny to predict developmental parameters of poorly-studied, forensically significant flies". *Proceedings of the 22nd International Congress of Entomology*. Brisbane. Australia. August 2004.

Zachariades,C, Von Senger,I and Barker,NP. "Evidence for a northern Caribbean origin for the southern African biotype of *Chromolaena odorata*". *6th International Workshop on biological control and management of Chromolaena*. Cairns. Australia. May 2003. 25-27.

**Botha,CEJ and Liu,L**

Botha,CEJ, Cross,RHM and Liu,L. "The ultrastructure of plasmodesmata in monocotyledons revisited". *5th International Plasmodesmatal Biology Congress*. Pacific Grove, Monterey Ca. USA. August 2004.

**Dold,AP**

Cocks,ML and Dold,AP. "A new broom sweeps clean: The economic and cultural value of grass brooms in the Eastern Cape Province, South Africa". *9th International Congress of Ethnobiology*. Department of Anthropology, University of Kent, Canterbury. United Kingdom. June 2004.

**Lubke,RA**

Lubke,RA. "Plant Rescue for rehabilitation in the Coega Industrial Development Zone Eastern Cape South Africa". *16th Annual Conference of the Society for Ecological Restoration*. Victoria British Columbia. Canada. August 2004.

## CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

### Dold,AP

Dold,AP. "The informal trade of *Cassipouea flanaganii* as a cosmetic in South Africa". Border Wildflower Society. East London Museum. East London. 9 July 2004.

Dold,AP. "Introduction to the Selmar Schonland Herbarium". Alexandria Women's Agricultural Association. Alexandria. 2004.

## OVERSEAS RESEARCH OR FURTHER STUDY

### Barker,NP

Barker,NP. Institute for Systematic Botany, Zurich, Switzerland. 10 November 2004 - 8 February 2005.

### Peter,CI

Peter,CI. Ekologiska forskningsstationen Uppsala University, Skogsby Öland, Sweden. Research. 24 May - 26 June 2004.

## JOURNAL SUBSIDY UNITS

BOTANY	UNITS
<b>Barker,NP</b>	
Barker,NP, Muller,EM and Mill,RR. "A Yellowwood by any other name: Molecular systematics and the taxonomy of <i>Podocarpus</i> and the Podocarpaceae in Southern Africa". <i>South African Journal of Science</i> . 2004. 100,629-632.	0.67
Barker,NP, Vanderpoorten,A, Morton,CM and Rourke,JP. "Phylogeny, biogeography, and the evolution of life-history traits in <i>Leucadendron</i> (Proteaceae)". <i>Molecular Phylogenetics and Evolution</i> . 2004. 33,845-860.	0.25
Vanderpoorten,A and Barker,NP. "A contribution to the moss flora of southern South Africa". <i>Journal of Bryology</i> . 2004. 26,230-232.	0.50
Villet,MH, Barker,NP and Lunt,N. "Mechanisms generating biological diversity in the genus <i>Platypleura</i> Amyot & Serville 1843 (Hemiptera: Cicadidae) in southern Africa: Implications of a preliminary molecular phylogeny". <i>South African Journal of Science</i> . 2004. 100,589-594.	0.33
<b>Botha,CEJ</b>	
Ade-Ademilua,OE and Botha,CEJ. "The effects of elevated CO <sub>2</sub> and nitrogen availability supersedes the need for nodulation in peas grown under controlled environmental conditions". <i>South African Journal of Botany</i> . 2004. 70(5),816-823.	1.00
Botha,CEJ, Cross,RHM and Gerber,J. "The microstructure of plasmodesmata in internodal stem tissue of the <i>Saccharum</i> hybrid var. NCo376: Evidence for an apoplasmic loading pathway". <i>South African Journal of Science</i> . 2004. 100,619-623.	0.34
Botha,CEJ and Matsiliza,B. "Reduction in transport in wheat ( <i>Triticum aestivum</i> ) is caused by sustained phloem feeding by the Russian wheat aphid <i>Diuraphis noxia</i> ". <i>South African Journal of Botany</i> . 2004. 70,249-254.	1.00
<b>Dold,AP</b>	
Dold,AP and Brink,E. " <i>Drimia chalumensis</i> (Hyacinthaceae - Urgineoideae) a new species from Eastern Cape South Africa". <i>South African Journal of Botany</i> . 2004. 70(4),631-634.	0.50
<b>Knevel,IC, Lans,T and Hertling,UM</b>	
Knevel,IC, Lans,T, Menting,FBJ, Hertling,UM and Van der Putten,WH. "Release from native root herbivores and biotic resistance by soil pathogens in a new habitat both affect the alien <i>Ammophila arenaria</i> in South Africa". <i>Oecologia</i> . 2004. 141,502-510.	0.60
<b>Lubke,R and Brink,E</b>	
Lubke,R and Brink,E. "One hundred years of botany at Rhodes University". <i>South African Journal of Science</i> . 2004. 100,609-614.	1.00
<b>Lubke,RA</b>	
Knevel,IC and Lubke,RA. "Reproductive phenology of <i>Scaevola plumieri</i> ; a key coloniser of the coastal	1.00

foredunes of South Africa". <i>Plant Ecology</i> . 2004. 175,137-145.	
<b>Peter,CI, Dold,AP, Barker,NP and Ripley,BS</b>	
<i>Peter,CI, Dold,AP, Barker,NP and Ripley,BS</i> . "Pollination biology of <i>Bergeranthus multiceps</i> (Aizoaceae) with preliminary observations of repeated flower opening and closure". <i>South African Journal of Science</i> . 2004. 100,624-629.	1.00
<b>Ripley,BS</b>	
<i>Ripley,BS and Pammenter,NW</i> . "Do low standing biomass and leaf area index of sub-tropical coastal dunes ensure that plants have an adequate supply of water?". <i>Oecologia</i> . 2004. 139,535-544.	0.50
<b>Ripley,BS and Dames,J</b>	
<i>Ripley,BS, Redfern,S and Dames,J</i> . "Quantification of the photosynthetic performance of phosphorus-deficient <i>Sorghum</i> by means of chlorophyll-a fluorescence kinetics". <i>South African Journal of Science</i> . 2004. 100,615-618.	1.00
TOTAL FOR BOTANY	9.69

## CHEMISTRY

The highlight of 2004 for the Chemistry Department was the award of both the Vice Chancellor's Senior Research Award and the SABC2 Shoprite-Checkers Woman of the Year Award (Science and Technology) to Professor Tebello Nyokong whose research on the development of photosensitizers for photodynamic cancer therapy has received considerable attention. The postgraduate research programme in the Department continues to attract international students from the African continent, including; Lesotho, Nigeria and Zimbabwe, and as far afield as New Zealand and China. A total of 2 post-doctoral research fellows, 17 PhD, 8 MSc and 6 Honours students carried out research in a variety of fields, including electrochemistry, photochemistry, inorganic and organic synthesis, thermal analysis and marine natural product chemistry. A nuclear magnetic resonance (NMR) data processing programme (MestreC) was jointly developed with the Department of Chemistry at the University of Santiago de Compostela (USC) in Spain and has greatly enhanced NMR research capacity within the Department. Staff and post-graduate students presented their research results at international conferences in the United States, England, France, Italy, Sardinia, Spain and Greece. The Department of Chemistry and the student Chemistry Society continue to be actively involved in local schools, the Albany Museum's Khanya Maths and Science Club and elsewhere in the community.

PROFESSOR P. KAYE  
HEAD OF DEPARTMENT

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### Antunes,EM and Davies-Coleman,MT

Antunes,EM, Beukes,DR, Kelly,M, Samaai,T, Barrows,LR, Marshall,KM, Sincich,C and Davies-Coleman,MT. "Cytotoxic Pyrroloiminoquinones from Four New Species of South African Laticruculid Sponges". *Journal of Natural Products*. 2004. 67,1268-1276.

### Brown,ME

Agostonovic-Kustrin,S, Glass,BD, Brown,ME and Rotich,MK. "Modelling the thermal behaviour of carboxylic acid derivatives with cyclodextrin in the solid state". *Journal of Thermal Analysis and Calorimetry*. 2004. 77,391-402.

Glass,BD, Novak,CS and Brown,ME. "The Thermal and Photostability of Solid Pharmaceuticals - A Review". *Journal of Thermal Analysis and Calorimetry*. 2004. 77,1013-1036.

Ndlebe,VJ, Brown,ME and Glass,BD. "The Thermal Stability of Triprolidine Hydrochloride and its mixtures with Cyclodextrin and Glucose". *Journal of Thermal Analysis and Calorimetry*. 2004. 77,445-457.

Ndlebe,VJ, Brown,ME and Glass,BD. "Photostability of Triprolidine Hydrochloride and its mixtures with Cyclodextrin and Glucose". *Journal of Thermal Analysis and Calorimetry*. 2004. 77,459-470.

### Brown,ME, Eve,DJ, Kaye,PT, Rivett,DEA and Watkins,GM

Brown,ME, Eve,DJ, Kaye,PT, Rivett,DEA and Watkins,GM. "100 Years of Chemistry at Rhodes University". *South African Journal of Science*. 2004. 100,530-538.

### Davies-Coleman,MT

Anson,II, Froneman,PW, Lutjeharms,JRE, Bernard,KS, Bernard,A, Lange,L, Lukac,D, Backeburg,B, Blake,J, Bland,S, Burls,N, Davies-Coleman,MT, Gerber,R, Gildenhuys,S, Hayes-Foley,P, Ludford,A, Manzoni,T, Robertson,E, Southey,S, Swart,S, Van Rensburg,D and Wynne,S. "An interdisciplinary cruise dedicated to understanding eddies upstream of the Prince Edward Islands". *South African Journal of Science*. 2004. 100(7/8),319-323.

Davies-Coleman,MT and Beukes,DR. "Ten years of marine natural products research at Rhodes University". *South African Journal of Science*. 2004. 100,539-544.

Fenical,W, Jensen,PR, Kauffman,C, Mayhead,S, Faulkner,DJ, Sincich,C, Rao,RM, Kantorowski,EJ, West,LM, Strangman,WK, Shimuzu,Y, Li,B, Thammana,S, Drainville,K, Davies-Coleman,MT, Kramer,RA, Fairchild,CR,

Rose,WC, Wild,RC, Vite,GD and Peterson,RW. "New Anti-Cancer Drugs from Cultured and Collected Marine Organisms". *Pharmaceutical Biology*. 2003. 41,6-14.

**Kaye,PT**

Kaye,PT. "The Baylis-Hillman Entrée to Heterocyclic Systems - the Rhodes Contribution". *South African Journal of Science*. 2004. 100,545-548.

Gxoyiya,B, Hagemann,JP and Kaye,PT. "Designer Ligands. Part 12. Synthesis and Evaluation of Novel Palladium(II)-Selective Ligand Systems". *Journal of Chemical Research (S)*. 2004. (4),252-256.

Kaye,PT, Molefe,DM, Nchinda,AT and Sabbagh,LV. "Chromone Studies. Part 15. Formation and Condensation of Baylis-Hillman Adducts in DABCO-Catalysed Reactions of Chromone-3-carbaldehydes with Acrylonitrile". *Journal of Chemical Research (S)*. 2004. (4),303-306.

Kaye,PT and Musa,MA. "Regioselectivity of Reactions of Nitrogen and Carbon Nucleophiles with Coumarin Derivatives". *Synthetic Communications*. 2004. 34(18),3409-3417.

Kaye,PT, Musa,MA, Nchinda,AT and Nocanda,XW. "Novel Heterocyclic Analogues of the HIV-I Protease Inhibitor, Ritonavir". *Synthetic Communications*. 2004. 34(14),2575-2589.

**Keyzers,RA and Davies-Coleman,MT**

Keyzers,RA, Samaai,T and Davies-Coleman,MT. "Novel Pyrroloquinoline Ribosides from the South African Latrunculid Sponge *Strongylodesma aliwaliensis*". *Tetrahedron Letters*. 2004. 45,9415-9418.

Samaai,T, Keyzers,RA and Davies-Coleman,MT. "A New Species of *Strongylodesma* Levi, 1969 (Porifera; Demospon Poecilosclerida; Latrunculiidae) from Aliwal Shoal on the east coast of South Africa". *Zootaxa*. 2004. 584,1-11.

**Nyokong,T**

Nyokong,T and Isago,H. "The renaissance in optical spectroscopy of phthalocyanines and other tetra azaporphyrins". *Journal of Porphyrins and Phthalocyanines*. 2004. 8,1083-1090.

Obirai,J and Nyokong,T. "Electrochemical studies of manganese tetraamminophthalocyanine monomer and polymer". *Electrochimica Acta*. 2004. 49,1417-1428.

Obirai,J and Nyokong,T. "Electrochemical and catalytic properties of chromium tetraaminophthalocyanine". *Journal of Electroanalytical Chemistry*. 2004. 573,77-85.

Ogunsipe,A, Chen,J-Y and Nyokong,T. "Photophysical studies of zinc(II) phthalocyanine - Effects of substituents and solvents". *New Journal of Chemistry*. 2004. 28,822-827.

Ogunsipe,A and Nyokong,T. "Effects of substituents and solvents on the photochemical properties of zinc phthalocyanine complexes and their protonated derivatives". *Journal of Molecular Structure*. 2004. 689,89-97.

Ozoemena,KI, Stephan,R and Nyokong,T. "Determination of 2',3'-dideoxyinosine using iron(II) phthalocyanine modified carbon paste electrode". *Analytical Letters*. 2004. 37(13),2641-2648.

Sehlotho,N and Nyokong,T. "Catalytic activity of iron and cobalt phthalocyanine complexes towards the oxidation of cyclohexene using *tert*-butylhydroperoxide and chloroperoxybenzoic acid". *Journal of Molecular Catalysis A-Chemical*. 2004. 209,51-57.

Sehlotho,N and Nyokong,T. "Zinc phthalocyanine photocatalysed oxidation of cyclohexene". *Journal of Molecular Catalysis A-Chemical*. 2004. 219,201-207.

Seotsanyana-Mokhosi,I and Nyokong,T. "Synthesis and photochemical studies of substituted adjacent-binaphthalophthalocyanines". *Journal of Porphyrins and Phthalocyanines*. 2004. 8,1214-1221.

**Watkins,GM**

Daniel,S, Limson,JL, Dairam,A, Watkins,GM and Daya,S. "Through metal binding, curcumin protects against lead- and cadmium-induced lipid peroxidation in rat brain homogenates and against lead-induced tissue damage in rat brain". *Journal of Inorganic Biochemistry*. 2004. 98(2),266-275.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****i. Local Conferences (Within South Africa)****Davies-Coleman,MT**

White,A, Ripley,BS and Davies-Coleman,MT. "Growth and harvest conditions that maximise bioactive metabolite production of *Pelargonium reniforme*". SAAB. UKZN, Durban. January 2004.

**Nyokong,T**

Ogunsipe,A and Nyokong,T. "Photophysical and photochemical studies of non-transition metal phthalocyanine derivative". 37th SACI Convention. Pretoria. July 2004.

Oni,J, Isik,S, Diab,N, Schuhmann,W and Nyokong,T. "Electrochemical microsensors-potential tools for every diagnosis of neurodegenerative diseases". 37th SACI Convention. Pretoria. July 2004.

Seotsanyana-Mokhosi,I and Nyokong,T. "Adjacent tetra substituted binaphthalo phthalocyanines for photocatalysis". 37th SACI Convention. Pretoria. July 2004.

Tau,P and Nyokong,T. "Electrochemical and spectroscopic investigation of titanium complexes". 37th SACI Convention. Pretoria. July 2004.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****ii. International Conferences (Outside South Africa)****Brown,ME**

Brown,ME. 13th Calorimetry (ICTAC). Sardinia. September 2004.

**Davies-Coleman,MT**

Gray,CA, Wisch,GA and Davies-Coleman,MT. "Semi-Synthetic Approaches to Two Marine Labdane Diterpines". Gordon Research Conference. Ventura. California. February 2004.

**Kaye,PT, Beukes,E and Davies-Coleman,MT**

Kaye,PT, Blatch,GL, Bradley,G, Beukes,E, Davies-Coleman,MT, Kroger,W, Molefe,DM, Nocanda,XW, Vijayan,PR, Sunassee,S and Tanner,DC. "Development of Novel Anti-HIV-I and Anti Malarial Agents". RSC/IUPAC Conference on Biomolecular Chemistry. Sheffield. United Kingdom. June/July 2004.

**Maree,DM**

Maree,DM. "Photophysical and photochemical properties of silicon phthalocyanines". 3rd International Conference on Porphyrins and phthalocyanines. New Orleans. United States of America. July 2004.

**Nyokong,T**

Nyokong,T and Obirai,J. "Electrochemistry and electrocatalytic behaviour of Mn and Cr phthalocyanine complexes". 3rd International Conference of Porphyrins and Phthalocyanines. New Orleans. United States. July 2004.

Nyokong,T, Ogunsipe,A and Seotsanya-Mokhosi,I. "Photochemical and Photophysical properties of new Metallophthalocyanine". 3rd International Conference of Porphyrins and Phthalocyanines. New Orleans. United States. July 2004.



Obirai,J, Rodrigues,N, Bedioui,F and Nyokong,T. "Electrochemical Investigation of biomimetic and electrocatalytic properties of novel manganese and cobalt phthalocyanine complexes". *Tenth International Conference on Electroanalytical Chemistry (ESEAC 2004)*. Galway. Ireland. 2004.

Ogunsipe,A and Nyokong,T. "Solvent and substituents effects on photophysical and photochemical properties of zinc(II) phthalocyanine". *9th International Chemistry Conference in Africa (ICCA)*. Arusha. Tanzania. August 2004.

Rodrigues,N, Obirai,J, Nyokong,T and Bedioui,F. "Electropolymerized pyrrole-substituted manganese phthalocyanine films for the electroassisted biomimetic catalytic reduction of molecular oxygen". *55th Annual meeting of the International Society of Electrochemistry*. Thessaloniki. Greece. September 2004.

#### **Nyokong,T and Ozoemena,KI**

Nyokong,T, Westbroek,P, Oni,J, Bedioui,F, Rodrigues,N and Ozoemena,KI. "Phthalocyanines-based electrochemical sensors". *Electrochemistry Conference ELAC-2004*. Dona Paula. India. January 2004.

#### **Ozoemena,KI and Nyokong,T**

Ozoemena,KI and Nyokong,T. "Self-immobilised Metallophthalocyanine Complexes onto Preformed Thiol-SAMs on Gold Electrodes as Potential Electrochemical Sensors". *The European Conference on Analytical Chemistry (EUROANALYSIS XIII)*. Salamanca. Spain. September 2004.

Ozoemena,KI and Nyokong,T. "Self-immobilised Metallophthalocyanine Complexes on Gold Electrodes as Potential Electrochemical Sensors". *55th Annual meeting of International Society of Electrochemistry*. Thessaloniki. Greece. September 2004.

#### **DISTINGUISHED VISITORS**

Professor C Holzapfel. Rand Afrikaans University, Johannesburg. Barker Lecture. June 2004.

Dr W Janse van Rensburg. Sasol Technology (Pty) Ltd, Sasolburg. Presentation on Molecular Modelling. March 2004.

Professor C McClelland. Nelson Mandela Metropolitan University, Port Elizabeth. Presentation on Molecular Modelling. March 2004.

#### **JOURNAL SUBSIDY UNITS**

<b>CHEMISTRY</b>	<b>UNITS</b>
<b>Antunes,EM and Davies-Coleman,MT</b>	
Antunes,EM, Beukes,DR, Kelly,M, Samaai,T, Barrows,LR, Marshall,KM, Sincich,C and Davies-Coleman,MT. "Cytotoxic Pyrroloiminoquinones from Four New Species of South African Latrunculid Sponges". <i>Journal of Natural Products</i> . 2004. 67,1268-1276.	0.25
<b>Brown,ME</b>	
Agotonovic-Kustrin,S, Glass,BD, Brown,ME and Rotich,MK. "Modelling the thermal behaviour of carboxylic acid derivatives with cyclodextrin in the solid state". <i>Journal of Thermal Analysis and Calorimetry</i> . 2004. 77,391-402.	0.50
Glass,BD, Novak,CS and Brown,ME. "The Thermal and Photostability of Solid Pharmaceuticals - A Review". <i>Journal of Thermal Analysis and Calorimetry</i> . 2004. 77,1013-1036.	0.34
Ndlebe,VJ, Brown,ME and Glass,BD. "The Thermal Stability of Triprolidine Hydrochloride and its mixtures with Cyclodextrin and Glucose". <i>Journal of Thermal Analysis and Calorimetry</i> . 2004. 77,445-457.	0.67
Ndlebe,VJ, Brown,ME and Glass,BD. "Photostability of Triprolidine Hydrochloride and its mixtures with Cyclodextrin and Glucose". <i>Journal of Thermal Analysis and Calorimetry</i> . 2004. 77,459-470.	0.67
<b>Brown,ME, Eve,DJ, Kaye,PT, Rivett,DEA and Watkins,GM</b>	
Brown,ME, Eve,DJ, Kaye,PT, Rivett,DEA and Watkins,GM. "100 Years of Chemistry at Rhodes University". <i>South African Journal of Science</i> . 2004. 100,530-538.	1.00
<b>Davies-Coleman,MT</b>	

Ansorge,IJ, Froneman,PW, Lutjeharms,JRE, Bernard,KS, Bernard,A, Lange,L, Lukac,D, Backeburg,B, Blake,J, Bland,S, Burls,N, Davies-Coleman,MT, Gerber,R, Gildenhuis,S, Hayes-Foley,P, Ludford,A, Manzoni,T, Robertson,E, Southey,S, Swart,S, Van Rensburg,D and Wynne,S. "An interdisciplinary cruise dedicated to understanding eddies upstream of the Prince Edward Islands". <i>South African Journal of Science</i> . 2004. 100(7/8),319-323.	0.05
Davies-Coleman,MT and Beukes,DR. "Ten years of marine natural products research at Rhodes University". <i>South African Journal of Science</i> . 2004. 100,539-544.	0.50
Fenical,W, Jensen,PR, Kauffman,C, Mayhead,S, Faulkner,DJ, Sincich,C, Rao,RM, Kantorowski,EJ, West,LM, Strangman,WK, Shimuzu,Y, Li,B, Thammana,S, Drainville,K, Davies-Coleman,MT, Kramer,RA, Fairchild,CR, Rose,WC, Wild,RC, Vite,GD and Peterson,RW. "New Anti-Cancer Drugs from Cultured and Collected Marine Organisms". <i>Pharmaceutical Biology</i> . 2003. 41,6-14.	0.05
<b>Kaye,PT</b>	
Kaye,PT. "The Baylis-Hillman Entrée to Heterocyclic Systems - the Rhodes Contribution". <i>South African Journal of Science</i> . 2004. 100,545-548.	1.00
Gxoyiya,B, Hagemann,JP and Kaye,PT. "Designer Ligands. Part 12. Synthesis and Evaluation of Novel Palladium(II)-Selective Ligand Systems". <i>Journal of Chemical Research (S)</i> . 2004. (4),252-256.	1.00
Kaye,PT, Molefe,DM, Nchinda,AT and Sabbagh,LV. "Chromone Studies. Part 15. Formation and Condensation of Baylis-Hillman Adducts in DABCO-Catalysed Reactions of Chromone-3-carbaldehydes with Acrylonitrile". <i>Journal of Chemical Research (S)</i> . 2004. (4),303-306.	1.00
Kaye,PT and Musa,MA. "Regioselectivity of Reactions of Nitrogen and Carbon Nucleophiles with Coumarin Derivatives". <i>Synthetic Communications</i> . 2004. 34(18),3409-3417.	1.00
Kaye,PT, Musa,MA, Nchinda,AT and Nocanda,XW. "Novel Heterocyclic Analogues of the HIV-I Protease Inhibitor, Ritonavir". <i>Synthetic Communications</i> . 2004. 34(14),2575-2589.	1.00
<b>Keyzers,RA and Davies-Coleman,MT</b>	
Keyzers,RA, Samaai,T and Davies-Coleman,MT. "Novel Pyrroloquinoline Ribosides from the South African Latrunculid Sponge <i>Strongylodesma aliwaliensis</i> ". <i>Tetrahedron Letters</i> . 2004. 45,9415-9418.	0.67
Samaai,T, Keyzers,RA and Davies-Coleman,MT. "A New Species of <i>Strongylodesma</i> Levi, 1969 (Porifera; Demospon Poecilosclerida; Latrunculiidae) from Aliwal Shoal on the east coast of South Africa". <i>Zootaxa</i> . 2004. 584,1-11.	0.67
<b>Nyokong,T</b>	
Nyokong,T and Isago,H. "The renaissance in optical spectroscopy of phthalocyanines and other tetra azaporphyrins". <i>Journal of Porphyrins and Phthalocyanines</i> . 2004. 8,1083-1090.	0.50
Obirai,J and Nyokong,T. "Electrochemical studies of manganese tetraaminophthalocyanine monomer and polymer". <i>Electrochimica Acta</i> . 2004. 49,1417-1428.	1.00
Obirai,J and Nyokong,T. "Electrochemical and catalytic properties of chromium tetraaminophthalocyanine". <i>Journal of Electroanalytical Chemistry</i> . 2004. 573,77-85.	1.00
Ogunsipe,A, Chen,J-Y and Nyokong,T. "Photophysical studies of zinc(II) phthalocyanine - Effects of substituents and solvents". <i>New Journal of Chemistry</i> . 2004. 28,822-827.	0.67
Ogunsipe,A and Nyokong,T. "Effects of substituents and solvents on the photochemical properties of zinc phthalocyanine complexes and their protonated derivatives". <i>Journal of Molecular Structure</i> . 2004. 689,89-97.	1.00
Ozoemena,KI, Stephan,R and Nyokong,T. "Determination of 2',3'-dideoxyinosine using iron(II) phthalocyanine modified carbon paste electrode". <i>Analytical Letters</i> . 2004. 37(13),2641-2648.	0.34
Sehlotho,N and Nyokong,T. "Catalytic activity of iron and cobalt phthalocyanine complexes towards the oxidation of cyclohexene using <i>tert</i> -butylhydroperoxide and chloroperoxybenzoic acid". <i>Journal of Molecular Catalysis A-Chemical</i> . 2004. 209,51-57.	1.00
Sehlotho,N and Nyokong,T. "Zinc phthalocyanine photocatalysed oxidation of cyclohexene". <i>Journal of Molecular Catalysis A-Chemical</i> . 2004. 219,201-207.	1.00
Seotsanyana-Mokhosi,I and Nyokong,T. "Synthesis and photochemical studies of substituted adjacent-binaphthalo-phthalocyanines". <i>Journal of Porphyrins and Phthalocyanines</i> . 2004. 8,1214-1221.	1.00
<b>TOTAL FOR CHEMISTRY</b>	<b>17.88</b>

## COMPUTER SCIENCE

The primary research project in Computer Science continues to be the Centre of Excellence in Distributed Multimedia, funded by Telkom, Business Connexion, Comverse, Verso Technologies, and THRIP. Additional funded research awards were received in 2004 from Yamaha in Japan for the joint development of MLAN, from the NRF's Focus Area Programme, and from Verso Technologies in the form of equipment.

Seven PhD students, nineteen Master's students, and twenty-two Honours students worked on research in the department in 2004. The numbers of students expected to graduate in April 2004 are: six Master's, and twenty-one Honours. In 2005, the department expects to register seven PhD students, nineteen Master's students, and twenty Honours students.

2004 was another good year for research in the Department of Computer Science, with a notable number of achievements by our students. In particular, the first ever award for the best research student in the national Centres of Excellence Programme was presented to Jason Penton, one of our PhD students. In October 2004, two Computer Science postgraduate project commercialization proposals were announced as the first and second prize winners in the regional round of the Innovation Fund competition. First prize went to Jason Penton for a commercialization proposal of his research into Voice over IP (VoIP) softswitching. His team members in the proposal were Jonathan Hitchcock (MSc student) and Sonwabile Nomnganga (from the University of Fort Hare). The second prize went to two Honours students, Jonathan Leigh and Jo Janse van Rensburg, for their proposal to commercialize the use of RFID (Radio Frequency Identification) technology in a national animal tracking system. The winning proposals in the regional competition go forward to the national competition.

During 2004 Comverse and Verso Technologies joined Telkom and Business Connexion as sponsors of the Centre of Excellence in Distributed Multimedia. The partnership between the Centre of Excellence and the sister centre at the University of Fort Hare received two national THRIP (Technology and Human Resources for Industry Programme) awards during 2004, one for collaboration in a capacity building research programme, and the other for the best research display at the annual THRIP awards ceremony. In a televised ceremony at the South African Telecommunications, Networks, and Applications Conference in September, Rhodes University signed collaboration agreements with the Graduate School of Telecommunications and Information Technology of the Ethiopian Telecommunications Corporation, and with the University of Namibia, as part of a NEPAD initiative in ICT to strengthen links with the rest of Africa. These collaborations will be funded by Telkom and Business Connexion.

A number of distinguished international guests visited the Department of Computer Science in 2004, including Jun-ichi Fujimori of Yamaha, Japan, Dr. Denis Riordan from Dalhousie University, Canada, Dr. Barry Cornelius, of the University of Durham in the U.K. and Mr. Ian Dore of Airways New Zealand. During the Sasol SciFest, the Department hosted international cybernetics expert Professor Kevin Warwick of Reading University, who was one of the keynote lecturers at the Festival. The Department also hosted a seminar on Computer Graphics in November, with a special emphasis on the involvement of women in this field. This was a part of the ACM SIGGRAPH Computer Graphics Tour of South Africa and included several distinguished visitors including Professor Wolfgang Strasser, Head of the Department of Graphical-Interactive Systems at the Wilhelm Schickard Institute for Computer Science at Tuebingen University, Germany, Dr. Marie-Claude Frasson from INRIA, France, Dr. Katja Buehler, Head of the Medical Visualization Group at VRVis in Vienna, Professor Barb Helfer, Vice President of ACM SIGGRAPH, from the Advanced Computing Center for the Arts and Design (ACCAD) at Ohio State University, and Ms. Colleen Case, SIGGRAPH Director for Education, from Schoolcraft College in Michigan.

On the publication side, 2 papers were published in Journals, 9 at Foreign International conferences, 15 at SATNAC 2004, and 8 at other local conferences. Several internal technical reports and poster presentations were produced.

PROFESSOR G. WELLS  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### **Terry,PD**

*Terry,PD*. Compiling with C# and Java. Pearson Addison Wesley. Harlow, England. 2004. 624 pp.

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### **Foss,RJ**

*Tsegaye,M* and *Foss,RJ*. "A Comparison of the Linux and Windows Device Driver Architectures". *Operating Systems Review*. 2004. 38(2),8-33.

### **Wells,GC and Clayton,PG**

*Wells,GC*, *Chalmers,AG* and *Clayton,PG*. "Linda implementations in Java for concurrent systems". *Concurrency and Computation Practice and Experience*. 2004. 16(10),1005-1022.

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

### **i. Local Conferences (Within South Africa)**

#### **Bangay,S**

*Bangay,S* and *Radloff,J*. "Kaleidoscope Configurations for Reflectance Measurement". *3rd International Conference on Virtual Reality, Computer Graphics, Visualization and Interaction in Africa*. Stellenbosch. November 2004. ISBN:1-58113-863-6. 161-170.

#### **Bangay,S, Lobb,A and Wells,GC**

*Patrick,D*, *Bangay,S*, *Lobb,A* and *Wells,GC*. "Modelling and Rendering Techniques for African Hairstyles". *3rd International Conference on Virtual Reality, Computer Graphics, Visualization and Interaction in Africa*. Stellenbosch. November 2004. ISBN:1-58113-863-6. 115-124.

#### **Clayton,PG**

*Bradnum,K* and *Clayton,PG*. "VoiceXML: A Field Evaluation". *SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference)*. Spier Estate, Stellenbosch. September 2004.

*Mackie,D* and *Clayton,PG*. "Bluetooth Hotspots: Extending the reach of Bluetooth by transparently tunnelling communications over IP Networks". *SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference)*. Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.

*Motara,Y* and *Clayton,PG*. "SLA Compliance through Network Management". *SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference)*. Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.

*Opie,J* and *Clayton,PG*. "Evaluating existing technologies for the management of Digital Signage networks". *SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference)*. Spier Estate, Stellenbosch. September 2004.

#### **Clayton,PG and Wells,GC**

*Zhao,X*, *Clayton,PG* and *Wells,GC*. "Collaborative Peer-to-peer Services within Mobile Environments". *SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference)*. Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.

*Zhao,X*, *Clayton,PG* and *Wells,GC*. "A Closer Look at Peer-to-Peer Systems - going beyond music sharing". *SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference)*. Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.

**Foss,RJ and Klinkradt,B**

*Black,A, Foss,RJ and Klinkradt,B. "Software Quality Assurance in a Remote Client/Contractor Context". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.*

**Foster,G**

*Leigh,J and Foster,G. "RFID technology in movable asset management". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004.*

**Foster,G and Clayton,PG**

*Thinyane,M, Foster,G and Clayton,PG. "Evaluating the viability of small scale, easily deployable and extensible hotspot management systems". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.*

*West,P, Foster,G and Clayton,PG. "Real-time Content Filtering for Mobile Devices". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.*

**Irwin,B**

*Irwin,B. "Lessons learned in the global Deployment of an Open Source Security solution". Infosec SA 2004. Gauteng. June 2004.*

*Irwin,B. "Decryption of Wire-level Network Protocols for Forensic Inspection". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.*

*Janse van Rensburg,J and Irwin,B. "Investigation of IDS management, using Snort and its related Tools". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004.*

*White,DS and Irwin,B. "A Unified Architecture for Automatic Software Updates". Infosec SA 2004. Gauteng. June 2004.*

*White,DS and Irwin,B. "A United Patch Management Architecture". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.*

**Terzoli,A**

*Brandt,I, Hodgkinson,CA and Terzoli,A. "Models of Internet Connectivity in Previously Disadvantaged Secondary Schools in the Eastern Cape". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.*

*Dalvit,L, Hitchcock,J, Murray,S and Terzoli,A. "A web-based tool for ICT bilingual education". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.*

*Hitchcock,J, Penton,J and Terzoli,A. "A multilanguage, open source approach to connecting user interfaces of a next-generation PBX". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.*

*Penton,J and Terzoli,A. "iLanga: A Next Generation VoIP-based, TDM-enabled PBX". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.*

**Tsegaye,M**

*Tsegaye,M. "Using Audio to Enhance Personal Information Management". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.*

**Wentworth,EP and Terzoli,A**

*Clayton,B, Wentworth,EP and Terzoli,A. "Ad-hoc Bluetooth Networking To Get Data To A Central Data Sink". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004.*

*Kwinana,ZN, Wentworth,EP and Terzoli,A. "An email based issue- tracking workflow system that is extensible cross organizational boundaries". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.*

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****ii. International Conferences (Outside South Africa)****Brandt,I**

*Brandt,I. "ICT Education in South Africa". International symposium on ICT Education and Applications in Developing Countries. Addis Ababa. Ethiopia. October 2004.*

**Clayton,PG, Wentworth,EP, Foster,G and Terzoli,A**

*Clayton,PG, Wentworth,EP, Foster,G, Terzoli,A, Clayton,BJ, King,A, Fox,BJ and Knights,S. "Animal Wireless Identification System (AWIS)". Microsoft Embedded Programme Report Back Conference. Cambridge University, Cambridge. UK. September 2004.*

**Foss,RJ**

*Fujimori,J, Laubscher,R and Foss,RJ. "An XML-Based Approach to the Generation and Testing of mLAN Sound Installation Configurations". 116th Audio Engineering Society Convention. Berlin. Germany. May 2004.*

**Terzoli,A**

*Hitchcock,J, Penton,J and Terzoli,A. "A Flash based Asterisk User Interface". Astricon 2004. Atlanta Marriot Century Centre, Atlanta. USA. September 2004.*

**Wells,GC**

*Wells,GC. "New and Improved: Linda in Java". Third International Conference on the Principles and Practice of Programming in Java (PPPJ 2004), Eds. P. Gibson, J. Power and J. Waldron, ACM International Conference Proceedings. Las Vegas. USA. June 2004. 67-74.*

**Wentworth,EP**

*Wentworth,EP. "A Software Development Internship Proposal based on .NET". 2-nd .NET Technologies' 2004 workshop. Plzen. Czech Republic. June 2004.*

**Wright,M**

*Wright,M. "Towards a Taxonomy of Web Services". XMLOpen Conference. Cambridge University, Cambridge. UK. September 2004.*

**CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.****Foss,RJ**

*Foss,RJ. Chairman. "Firewire in Studios - Benefits and Challenges". 117th Audio Engineering Society Convention. San Francisco, USA. October 2004.*

**Wentworth,EP**

*Wentworth,EP*. Presenter. "C, .NET, Visual Studio, Web Services, and ADO.NET Make It Easier". Microsoft Academic Days (Middle East). Dubai, UAE. April 2004.

*Wentworth,EP*. Presenter. "ADO and the Data Access Model". Microsoft Academic Days (South Africa). Cape Town. November 2004.

*Wentworth,EP*. Presenter. "A Software Internship Based on .NET Technologies: A Case Study". Microsoft Academic Days (South Africa). Port Elizabeth. December 2004.

**DISTINGUISHED VISITORS**

Dr K Buehle. Medical Visualization Group at VRVis, Vienna, Austria. Seminar on Computer Graphics, a component of the ACM SIGGRAPH Computer Graphics Tour. November 2004.

Ms C Case. Schoolcraft College, Michigan, Michigan, USA. Seminar on Computer Graphics, a component of the ACM SIGGRAPH Computer Graphics Tour. November 2004.

Dr B Cornelius. University of Durham, Durham, UK. Postgraduate Seminar. September 2004.

Mr Y Desmet. VP Sales EMEA, Verso, Belgium. Research Collaboration Agreement & Equipment Donation. August 2004.

Mr I Dore. Airways New Zealand, Christchurch, New Zealand. Postgraduate Seminar. August 2004.

Mr S Eveleigh. Managing Director, Comverse SA Pty Ltd, Johannesburg. Research Collaboration Agreement. August 2004.

Dr MC Frasson. INRIA (The French National Institute for Research in Computer Science & Control), Le Chesnay Cedex, France. Seminar on Computer Graphics, a component of the ACM SIGGRAPH Computer Graphics Tour. November 2004.

Dr J Fujimori. Yamaha Corporation, Tokyo, Japan. Joint Research. February 2004.

Professor B Helfer. Advanced Computing Center for the Arts and Design (ACCAD) at Ohio State University, Ohio, USA. Seminar on Computer Graphics, a component of the ACM SIGGRAPH Computer Graphics Tour. November 2004.

Ms I Ladeira. Collaborative Visual Computing Laboratory at UCT, Cape Town. Seminar on Computer Graphics, a component of the ACM SIGGRAPH Computer Graphics Tour. November 2004.

Mr M Mostert. Executive: Technology Direction and Integration, Telkom, Pretoria. Research Collaboration Agreement. August 2004.

Mr S Odom. Chairman and CEO, Verso, Atlanta, Georgia, USA. Research Collaboration Agreement & Equipment Donation. August 2004.

Professor D Riordan. Dalhousie University, Halifax, USA. Sabbatical Visit, Joint Research & Postgraduate Seminars. March-April 2004.

Mr D Senatore. Managing Executive, Grintek Telecoms, Centurion. Research Collaboration Agreement. August 2004.

Mr R September. Chief Technical Officer, Telkom, Pretoria. Research Collaboration Agreement. August 2004.

Professor W Strasser. Wilhelm Schickard Institute for Computer Science at Tuebingen University, Tuebingen, Germany. Seminar on Computer Graphics, a component of the ACM SIGGRAPH Computer Graphics Tour. November 2004.

Mr G Swanepoel. Chief Operating Officer, Grintek Telecoms, Centurion. Research Collaboration Agreement. August 2004.

Mr Z von Plato. Regional Chief Executive: Telecommunications, Business Connexion, Midrand. Research Collaboration Agreement. August 2004.

Professor K Warwick. Reading University, Reading, UK. SASOL SciFest Lecture & Research Visit. March 2004.

#### JOURNAL SUBSIDY UNITS

COMPUTER SCIENCE	UNITS
<b>Wells,GC and Clayton,PG</b>	
<i>Wells,GC</i> , Chalmers,AG and <i>Clayton,PG</i> . "Linda implementations in Java for concurrent systems". <i>Concurrency and Computation Practice and Experience</i> . 2004. 16(10),1005-1022.	0.67
TOTAL FOR COMPUTER SCIENCE	0.67



## DRAMA

Professional outputs in the theatre industry have been quite outstanding. Professor Andrew Buckland performed *The Well Being* in Canada, New York and Johannesburg. His new work, *Fuse* formed part of the Rhodes Centenary Celebrations at the National Arts Festival. *Fuse* was also presented at the Hilton Arts Festival and the Edinburgh International Arts Festival. It was nominated for the Stage Online Awards for Acting Excellence. A reviewer described *Fuse* as “...a brilliant and sophisticated piece of physical theatre”. Further performances were presented in South Africa at Schools’ Festivals, in Kwa-Zulu Natal and Gauteng. Seasons were also presented at Baxter Theatre (Cape Town) and Market Theatre (Johannesburg).

Professor Reza de Wet’s play *African Gothic* had a successful run in Sydney, Australia during January. Her new play, *Breathing In*, was directed by Marthinus Basson and featured acclaimed South African actress, Antoinette Kellerman. The play was part of the Rhodes Centenary Celebrations and was presented at the National Arts Festival and at the Baxter Theatre, Cape Town.

International connections also featured in the teaching programme. Assistant Professor John Allan and Postgraduate Design Director, Diana Cupsa - both from Tulane University, New Orleans - taught postgraduates and performers of the First Physical Theatre Company. Kenneth Tharp, a Churchill Fellow of 2003, interacted with First Physical on choreographic and performance issues. Professor Gary Gordon taught a visiting group of dancers from the Tel Aviv, Israel who wrote back later describing their “unforgettable” experience and “understanding of a unique style”.

Lecturer Alex Sutherland extended her research investigations into Theatre for Development. She presented research papers at University of Kwa-Zulu Natal (Pietermaritzburg) and Ottawa, Canada. The papers centered on her work with young people of the Eluxolweni Shelter for street children in Grahamstown. She directed a street theatre production for the National Arts Festival – a collaborative venture with the department’s Ubom! Eastern Cape Drama Company. She also directed a theatre-in-education piece for Ubom!. Over 8000 high school learners around South Africa saw this work on the public understanding of biotechnology.

Heike Gehring, new staff member collaborated with a theatre group from the University of Cape Town. They performed *African Star!* as part of the South African Embassy’s *Ten Years of Freedom Celebrations* in Copenhagen, Denmark.

First Physical and Ubom have continued to innovate in theatre forms, creating new works and performing at Arts Festivals and Schools’ Festivals throughout the country. These companies ran extremely successful Skills Programmes on Dance Production and Theatre Production. These programmes – in collaboration with CreateSA and the Provincial Department of Arts and Culture – involved 40 young adults from the Eastern Cape.

Professor Gary Gordon re-constructed *The Unspeakable Story* for First Physical as part of the Rhodes Centenary Celebrations. It was performed at the Graduation Celebrations and at the National Arts Festival. A reviewer described the company as “...one of the most invigorating and inspired dance companies in South Africa”. Professor Gordon performed in *The Unspeakable Story* with colleague Juanita Finestone-Praeg. Adrienne Sichel described them as “...mesmerizing audiences with their matured virtuosity”. Juanita Praeg was commissioned by the Dance Factory to create a work for 12 distinctive South African female dancers. *37 degrees of fear* premiered at the Women in Arts Festival, Johannesburg.

Academic investigations into theatre were promoted through collaboration with Professor Fred Hagemann from the University of Pretoria. A feature of the year was the Honorary PhD awarded to internationally acclaimed actress, Alice Krige who was in the first Honours class of 1975.

PROFESSOR G. GORDON  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### de Wet,R

*de Wet,R.* The Brothers. de Wet, R. (eds) Oberon. London. 2004. (In Press).

*de Wet,R.* African Gothic. de Wet, R. (eds) Oberon. London. 2004. (In Press).

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

### i. Local Conferences (Within South Africa)

#### Sutherland,AEM

*Sutherland,AEM.* "Making visible the invisible: Drama as voice for marginalised narratives". *Dramatic Learning Spaces: A National Research Conference*. University of KZN, Pietermaritzburg. April 2004.

#### Tang,A

*Tang,A.* "Truth' in body performance on the post-apartheid stage". *Dramatic Learning Spaces: A National Research Conference*. University of KZN, Pietermaritzburg. April 2004.

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

### ii. International Conferences (Outside South Africa)

#### Sutherland,AEM

*Sutherland,AEM.* "Drama and youth at risk in a South African context". *International Drama and Theatre Association Congress 2004*. National Theatre, Ottawa. Canada. June 2004.

## CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

### Buckland,A

*Buckland,A.* Creator/Performer. *"The Well Being"*. Theatre season. Prairie Theatre Exchange. Winnipeg, Canada. January 2004.

*Buckland,A.* Creator/Performer. *"The Well Being"*. Theatre season. Catalyst Theatre. Edmonton, Canada. 8 - 12 January 2004.

*Buckland,A.* Creator/Performer. *"The Well Being"*. Theatre season. National Arts Centre. Ottawa, Canada. 27 January - 7 February 2004.

*Buckland,A.* Creator/Performer. *"The Well Being"*. Theatre season. Sanlam Theatre on the Square. Johannesburg. 29 March - 24 April 2004.

*Buckland,A.* Creator/Performer. *"Feedback"*. Harare International Festival of the Arts. HIFA venues. Harare, Zimbabwe. 30 April - 3 May 2004.

*Buckland,A.* Creator/Performer. *"Backbytes"*. National Arts Festival. NAF venue. Grahamstown. 1 - 10 July 2004.

*Buckland,A.* Writer/Director. *"Bloodstream"*. National Arts Festival. NAF venue. Grahamstown. 1 - 10 July 2004.

*Buckland,A.* Creator/Performer. *"Fuse"*. National Arts Festival. NAF venue. Grahamstown. 1 - 10 July 2004.

*Buckland,A.* Creator/Performer. *"Fuse"*. Gauteng Regional Schools' Festival. State Theatre. Pretoria. 13 - 16 September 2004.

*Buckland,A. Creator/Performer. "Fuse". Hilton Arts Festival. HAF venue. Hilton. 17 - 19 September 2004.*

*Buckland,A. Creator/Performer. "Fuse". KZN Regional Schools' Festival. Playhouse Theatre. Durban. 22 - 23 September 2004.*

*Buckland,A. Creator/Performer. "Fuse". Baxter Theatre. Sanlam Studio. Cape Town. 11 - 30 October 2004.*

*Buckland,A. Creator/Performer. "Fuse". Market Theatre. Barney Simon Theatre. Johannesburg. 2 - 28 November 2004.*

### **Gehring,H**

*Gehring,H. Performer. "The Unspeakable Story". National Arts Festival. Rhodes Theatre. Grahamstown . 3 - 7 July 2004.*

*Gehring,H. Performer. "The Unspeakable Story". National Schools' Festival. Settlers Monument Theatre. Grahamstown. 13 July 2004.*

*Gehring,H. Assistant Director. "African Star". 10 years freedom celebrations. Lyngby Kutturhus. Copenhagen, Denmark . 11 - 17 November 2004.*

### **Gordon,GE**

*Gordon,GE. Creator/performer. "The Unspeakable Story". Graduation Production. Rhodes Theatre. Grahamstown. 2 - 3 April 2004.*

*Gordon,GE. Teacher/Assessor/Co-ordinator. "Create SA & First Physical Theatre Company Skills Programme". Skills Programme. Drama Department . Grahamstown. 13 April - 23 July 2004.*

*Gordon,GE. Creator/performer. "The Unspeakable Story". Eastern Cape Schools' Festival. Guy Butler Theatre. Grahamstown. 6 May 2004.*

*Gordon,GE. Choreographer. "One Long Breath". National Arts Festival. City Hall. Grahamstown. 1 - 10 July 2004.*

*Gordon,GE. Creator/performer. "The Unspeakable Story". National Arts Festival. Rhodes Theatre. Grahamstown. 4 - 7 July 2004.*

*Gordon,GE. Creator/performer. "The Unspeakable Story". National Schools' Festival. Settlers Monument Theatre. Grahamstown. 13 July 2004.*

*Gordon,GE. Teacher. "Physical E-motion". National Schools' Festival. Movement Room. Grahamstown. 14 - 15 July 2004.*

*Gordon,GE. Choreographer. "One Long Breath". Concert Programme. The Box Theatre. Grahamstown. 25 - 27 November 2004.*

*Gordon,GE. Choreographer. "One Long Breath". Concert Programme. Studio Theatre. Cape Town. 1 - 4 December 2004.*

*Gordon,GE. Choreographer. "One Long Breath". Concert Programme. PE Opera House. Port Elizabeth. 10 - 11 December 2004.*

### **Praeg,J**

*Praeg,J. Commissioned Choreographer. "37 Degrees of Fear". Women in Arts. The Dance Factory. Johannesburg. 20 July 2003 - 9 August 2004.*

*Praeg,J. Workshop Facilitator. "NAC young choreographers residency in partnership with FNB Dance Umbrella". Workshop & Discussion. The Dance Factory. Johannesburg. 7 - 10 March 2004.*

*Praeg, J.* Choreographer. *"The Journey To Fez"*. Dance Umbrella. The Dance Factory. Johannesburg. 7 - 10 March 2004.

*Praeg, J.* Assistant choreographer/performer. *"The Unspeakable Story"*. Graduation Production. Rhodes Theatre. Grahamstown. 2 - 3 April 2004.

*Praeg, J.* Workshop Facilitator. *"Create SA & First Physical Theatre Company Skills Programme"*. Skills Programme. Princess Alfred Hall. Grahamstown. 2 - 3 April 2004.

*Praeg, J.* Assistant choreographer/performer. *"The Unspeakable Story"*. Eastern Cape Schools' Festival. Guy Butler Theatre. Grahamstown. 6 May 2004.

*Praeg, J.* Choreographer. *"Expeditions"*. National Arts Festival. City Hall. Grahamstown. 1 - 3 July 2004.

*Praeg, J.* Assistant choreographer/performer. *"The Unspeakable Story"*. National Arts Festival. Rhodes Theatre. Grahamstown. 4 - 7 July 2004.

*Praeg, J.* Choreographer. *"Expeditions"*. National Arts Festival. City Hall. Grahamstown. 10 July 2004.

*Praeg, J.* Assistant choreographer/performer. *"The Unspeakable Story"*. National Schools' Festival. Monument Theatre. Grahamstown. 13 July 2004.

*Praeg, J.* Choreographer. *"Slow Island"*. Dance Mime 2004. Rhodes Theatre. Grahamstown. 27 - 29 October 2004.

*Praeg, J.* Choreographer. *"The Journey To Fez"*. Fizz Theatre. Rhodes Box Theatre. Grahamstown. 25 - 28 November 2004.

*Praeg, J.* Choreographer. *"The Journey To Fez"*. Fizz Theatre. Studio Theatre, UCT Sch. Cape Town. 1 - 4 December 2004.

*Praeg, J.* Choreographer. *"The Journey To Fez"*. Fizz Theatre. Barn Theatre PE Opera House. Port Elizabeth. 10 - 11 December 2004.

### **Sutherland, AEM**

*Sutherland, AEM.* Performer. *"The Unspeakable Story"*. Rhodes University Centenary production. Rhodes Theatre. Grahamstown. 2 - 3 April 2004.

*Sutherland, AEM.* Director. *"Short Changed"*. National Arts Festival. Drostdy Lawns. Grahamstown. 1 - 4 July 2004.

*Sutherland, AEM.* Director. *"Muti Inc"*. Sasol Sci-Fest-on-the-road with PUB. Grahamstown education district rural tour to Alexandria Alicedale Port Alfred Kenton Peddie Bathurst Committees Drift. 19 - 27 August 2004.

*Sutherland, AEM.* Director. *"Muti Inc"*. Sasol Sci-Fest-on-the-road with PUB. Grahamstown education district urban tour to Pretoria, Secunda, Nelspruit, Phalaborwa, Tzaneen, Polokwane, Mokopane, Rustenburg. 5 - 16 October 2004.

*Sutherland, AEM.* Director. *"Muti Inc"*. Ubom! Eastern Cape Drama Company. Transkei Tour. various. 20 October - 5 November 2004.

*Sutherland, AEM.* Director. *"Muti Inc"*. Traditional Leader Conference. The Great Place. Bisho. 29 November 2004.

### **DISTINGUISHED VISITORS**

Mr J Allan. Tulane University, New Orleans USA. Taught postgraduate & performers of the First Physical Theatre Company. July 2004.

Ms D Cupsa. Tulane University, New Orleans USA . Taught postgraduates & performers of the First Physical Theatre Company. July 2004.

Ms K Meyer. Johannesburg. Drama therapy workshop. April 2004.

Mr K Tharp. Cambridge University, Cambridge UK. Taught postgraduates & performers of the First Physical Theatre Company. February 2004.

#### **JOURNAL SUBSIDY UNITS**

<b>DRAMA</b>	<b>UNITS</b>
TOTAL FOR DRAMA	0.00

## **ECONOMICS AND ECONOMIC HISTORY**

Following the introduction of a new format for Honours students' research projects in 2002 once again produced excellent results in the form of journal articles. Two publications flowed from this innovation and several more have been submitted for publication. Philip Black, a former Head of Department and Honorary Professor in the Department, was the keynote speaker at the post-graduates conference, which has now become an important fixture on our calendar.

The year was one of the most productive in recent years in research terms. Mr Dinty Mather completed a PhD. Ms Jen Snowball presented two papers at an international Cultural Economics Conference held in Chicago and had three papers published during the year, two of which were joint papers with overseas colleagues. Professor Hugo Nel and Honours student Ms Lekalake; David Fryer and Master's candidate Patrick Duff; Mr James Juana; and Mr Meshach Aziakpono all had journal articles published.

Mr Simon Hess was awarded the 2004 Founders' Medal for the best Master's thesis by the Economic Society of South Africa.

PROFESSOR H. NEL  
HEAD OF DEPARTMENT

## **PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**

### **Aziakpono,M**

*Aziakpono,M.* "Determinants of Financial Intermediation in the SACU Countries: Preliminary evidence from a Panel Data Analysis". *Studies in Economics and Econometrics*. 2004. 28(3),113-132.

*Aziakpono,M* and *Obasa,SB.* "Financial Liberalization, Currency Substitution and Savings in Nigeria: Evidence from Cointegration and Error Correction modelling". *South African Journal of Economic and Management Sciences*. 2004. 7(2),316-340.

### **Fryer,DC**

*Fryer,DC* and *Vencatachellum,D.* "Coordination failure and employment in South Africa". *Journal of African Finance and Economic Development*. 2004. 6(1),22-53.

### **Juana,JS**

*Juana,JS* and *Narayana,N.* "The Effects of Policy Changes on the Agricultural Sector of South Africa". *Asian-African Journal of Economics and Econometrics*. 2004. 4(1),

### **Nel,H**

*Nel,H.* "Monetary Policy Transparency in South Africa: A Reply to Rossouw". *South African Journal of Economics*. 2004. 72(5),1104-1106.

*Nel,H* and *Lekalake,K.* "Monetary Policy Transparency in South Africa". *South African Journal of Economics*. 2004. 72(2),349-364.

### **Snowball,J**

*Snowball,J.* "Interpreting economic impact study results: Spending patterns, visitor numbers and festival aims". *South African Journal of Economics*. 2004. 72(5),1075-1083.

*Dollery,B* and *Snowball,J.* "Government Failure and State Incapacity: The South African Public sector in the 1990's". *South African Journal of Economic History*. 2003. 18(1 & 2),310-331.

## OTHER PUBLICATIONS

### **Antrobus,GG and Snowball,J**

*Antrobus,GG and Snowball,J.* "The National Arts Festival 2004: Festino Survey and Impact Study". Grahamstown. 2004. 1-42.(In Press).

### **Webb,ACM**

*Webb,ACM.* "Towards a theory of fashion". Tucker, G. (eds) Toposcope. Lower Albany Historical Society. Port Alfred. 2004. 35, 29-41.

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

### **i. Local Conferences (Within South Africa)**

#### **Fryer,DC**

*Fryer,DC and Duff,P.* "The dynamics of job search and the microfoundations of unemployment: Evidence from Duncan village". *African Development and Poverty Reduction: The Macro-Micro Linkage: Hosted by the Development Policy Research Unit (DPRU), Trade and Industrial Policy Strategies (TIPS), and Cornell University.* Lord Charles Hotel, Somerset West. October 2004.

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

### **ii. International Conferences (Outside South Africa)**

#### **Aziakpono,M**

*Aziakpono,M.* "Financial Intermediation and Economic Growth in Integrated Economies: The case of SACU". *11th International Conference on Panel Data Econometrics.* Texas A & M University, College Station, Texas. USA. June 4-6 2004.

#### **Snowball,J**

*Snowball,J.* "Art for the masses? Justification for the public support of the arts in developing countries: 2 arts festivals in South Africa". *Association of Cultural Economics International.* University of Illinois, Chicago. USA. June 2004.

*Snowball,J, Dollery,B and Curry,D.* "Government failure and state incapacity: The South African public sector in the 1990s". *Western Economic Association International 79th Annual Conference.* The Sheraton Vancouver, Vancouver. Canada. June-July 2004.

*Snowball,J and Willis,K.* "Estimating the marginal utility of different sectors of an arts festival: The case of visitors to the South African National Arts Festival". *Association of Cultural Economics International.* University of Illinois, Chicago. USA. June 2004.

## **DISTINGUISHED VISITORS**

Professor P Black. University of Stellenbosch, Stellenbosch. Guest Speaker. October 2004.

Mr D Godinho. Standard Bank, Johannesburg. Presentation. March 2004.

Dr X Guma. SARB, Pretoria. Seminar. October 2004.

Dr P Hawkins. Feasibility, Johannesburg. Seminar. February 2004.

Mr E Kruger. SARB, Pretoria. Seminar. February 2004.

# JOURNAL SUBSIDY UNITS

ECONOMICS	UNITS
<b>Aziakpono,M</b>	
<i>Aziakpono,M</i> and <i>Obasa,SB</i> . "Financial Liberalization, Currency Substitution and Savings in Nigeria: Evidence from Cointegration and Error Correction modelling". <i>South African Journal of Economic and Management Sciences</i> . 2004. 7(2),316-340.	0.50
<b>Nel,H</b>	
<i>Nel,H</i> . "Monetary Policy Transparency in South Africa: A Reply to Rossouw". <i>South African Journal of Economics</i> . 2004. 72(5),1104-1106.	1.00
<i>Nel,H</i> and <i>Lekalake,K</i> . "Monetary Policy Transparency in South Africa". <i>South African Journal of Economics</i> . 2004. 72(2),349-364.	1.00
<b>Snowball,J</b>	
<i>Snowball,J</i> . "Interpreting economic impact study results: Spending patterns, visitor numbers and festival aims". <i>South African Journal of Economics</i> . 2004. 72(5),1075-1083.	1.00
<i>Dollery,B</i> and <i>Snowball,J</i> . "Government Failure and State Incapacity: The South African Public sector in the 1990's". <i>South African Journal of Economic History</i> . 2003. 18(1 & 2),310-331.	0.50
TOTAL FOR ECONOMICS	4.00



## EDUCATION

Our return for 2004 reveals a picture that is generally pleasing, yet it reveals some concerns.

In some respects the profile that emerges is very similar to previous years, with more emphasis on non-accredited publications than on SAPSE approved ones, and healthy conference activity, both in terms of attending and presenting. The return gives the sense of a fairly healthy and robust research climate in the department.

However, closer examination reveals worrying trends that have been developing over the last few years. One of these is the fact that the same few names tend to dominate. This is particularly the case with the EESU staff in this return. It is again exciting to note the excellence of the unit's research work, particularly in environmental education in the curriculum and in indigenous knowledge. This research is internationally cutting edge, and deserves to be commended. However, ways need to be found to make research a staff-wide concern in the department. With over 120 Master's students and 42 PhDs, the Department's post-graduate capacity and input has risen sharply and impressively. What needs to follow suit now is output. Two accredited journals are edited by staff of the Education Department.

It is exciting to note that the Department's strategic plan for the next 5 years places particular emphasis on research output and publication. A recent deliberation on research in the Department has identified that much research conducted within the Department is smaller scale, localised research, with little broader, systemic impact. This is due partly to a lack of support for broad-based dissemination of research findings, and partly to the primarily localised nature of the research undertaken. The strategic plan thus envisages to seek support to enable programmes that strengthen broader dissemination of our research, as well as strengthen the external impact of the Department's research.

PROFESSOR H. VAN DER MESCHT & DR. M. SCHÄFER  
DEAN AND HEAD OF THE FACULTY

## BOOKS/CHAPTERS/MONOGRAPHS

### **Lotz-Sisitka,HB**

*Lotz-Sisitka,HB.* "Curriculum deliberations amongst adult learners in South African community contexts at Rhodes University". In: Blaze Corcoran,P and Wals, A. (eds) Higher Education and the Challenge of Sustainability: Problematics, Promise and Practice. Kluwer Academic Publishers. Dordrecht. 2004. 319-334.

*Lotz-Sisitka,HB.* "Environmental Education and Training in South Africa. An introduction to trends in South Africa". In: Loubser, C. (eds) Environmental Education Some South African perspectives. Van Schaik. Pretoria. 2004. 162-172.

*Lotz-Sisitka,HB.* "Social Science as a Form of Social Praxis? A review of a selection of environmental education research in southern Africa". In: Azeiteiro,U and Goncalves, F. (eds) World Trends in Environmental Education. Peter Lang. Frankfurt. 2004. 14, 123-153.

### **Lotz-Sisitka,HB and Irwin,P**

*Lotz-Sisitka,HB and Irwin,P.* "A history of environmental education in South Africa". In: Loubser, C. (eds) Environmental Education Some South African perspectives. Van Schaik. Pretoria. 2004. 35-54.

### **O'Donoghue,R**

*O'Donoghue,R.* "Marrying indigenous and western science through environmental education". In: Naidoo, P. (eds) School Science in Africa. Juta Gariep. Cape Town. 2004. 180-190.

### **Van Harmelen,U**

*Van Harmelen,U.* "Through the eyes of Namibian teenagers". In: Robertson,M and Williams, M. (eds) Young people, leisure and place. Nova Science Publications. New York. 2004. 197-211.

**Wilmot,D**

Wilmot,D. "The skills children utilise when encoding and decoding special information about the environment: A case study". In: Catline,S and Martin, F. (eds) Researching primary geography. Register of Research in Primary Geography. London. 2004. 162-173.

**PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER****Babikwa,D**

Babikwa,D. "Tensions, contradictions and inconsistencies in community-based environmental education programmes: The role of defective education theories". *Southern African Journal of Environmental Education*. 2004. 21,61-80.

**Farrington,K**

Farrington,K and Davies,K. "'The gentle art of letting the other fellow have your own way'. Viewpoints on a media narrative used to promote the proposed 2 toll road". *Southern African Journal of Environmental Education*. 2004. 21,162-169.

**Irwin,P**

Fraser,C, Murray,H, Hayward,B and Irwin,P. "The development of the common fraction concept in Grade Three learners". *Pythagoras*. 2004. 59,26-33.

**Lotz-Sisitka,HB**

Lotz-Sisitka,HB and Raven,G. "Learning through cases: Adopting a nested approach to case study work in the Gold Fields participatory course initiative". *Environmental Education Research Journal*. 2004. 10(1),67-88.

**O'Donoghue,R**

O'Donoghue,R and Russo,V. "Emerging patterns of abstraction in environmental education: A review of materials, methods and professional development processes". *Environmental Education Research Journal*. 2004. 10(3),331-352.

**Price,L**

Price,L. "Participatory curriculum development: Lessons drawn from teaching environmental education to industry in Zimbabwe". *Environmental Education Research Journal*. 2004. 10(3),401-408.

Price,L and Gough,N. "Reworking the world: Poststructuralism, deconstruction and the 'real' in environmental education". *Southern African Journal of Environmental Education*. 2004. 21,23-36.

**Schäfer,M**

Schäfer,M. "World view theory and the conceptualisation of space in mathematics education". *Pythagoras*. 2004. 59,8-17.

**Van der Mescht,H**

Van der Mescht,H. "Phenomenology in Education: A case study in Education Leadership". *the Indo-Pacific Journal of Phenomenology*. 2004. 4,1-16.

**OTHER PUBLICATIONS****Euvrard,G**

Euvrard,G and Westraad,S. Developing Effective Schools. Imbewu/Department of Education. 2004.

**Lotz-Sisitka,HB**

Lotz-Sisitka,HB. "Special Edition: Environmental Education Research and Social Change: Southern African Perspectives". Scott, W.(eds) Environmental Education Research Journal. Taylor & Francis. Bath, UK. 2004. 10(3).

Lotz-Sisitka,HB. "Stories of Transformation". International Journal of Sustainability in Higher Education. 2004.

Lotz-Sisitka,HB. "Special Edition: Stories of Transformation". Fihlo, W. (eds) International Journal of Sustainability in Higher Education. 2004. 5(1).

*Lotz-Sisitka,HB.* "Rhizome Connections ...". Southern African Journal of Environmental Education. 2004.

*Lotz-Sisitka,HB.* Lotz-Sisitka, H. (eds) Southern African Journal of Environmental Education. EEASA . South Africa. 2004. 21.

*Lotz-Sistka,HB.* "Environmental Education Research and Social Change: Southern African Perspectives". Environmental Education Research Journal. Taylor & Francis. 2004.

**Timmermans,I**

*Timmermans,I.* "Eco Office Toolkit". Timmermans, I. (eds) Eco office Toolkit. WWF / EESU. South Africa. 2004.

**Wilmot,D**

*Wilmot,D.* "Emerging models of Teacher Training: The Case of South Africa". 2004, 13 (eds) International Research in Geographical and Environmental Education. 2. 39. 44.

*Wilmot,D.* "Emerging Models of Teacher Training". International Research in Geographical and Environmental Education. 2004. 13(2), 39-44.

*Wilmot,D.* "Issues-based enquiry at two SA Schools". Teaching Geography. 2004. 29(3), 128-132.

**Wilmot,D and Van Harmelen,U**

*Wilmot,D and Van Harmelen,U.* "Learning strategies". Kent,W, Rawling,E and Roberson, A. (eds) Geographical Education: Expanding Horizons in a Shrinking World. IGU. Glasgow. 2004. 124-128.

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

**i. Local Conferences (Within South Africa)**

**Hodgkinson,CA**

*Brandt,I, Hodgkinson,CA and Terzoli,A.* "Models of Internet Connectivity in Previously Disadvantaged Secondary Schools in the Eastern Cape". SATNAC 2004 (*Southern African Telecommunications Networks and Applications Conference*). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.

*Hodgkinson,CA and Mostert,M.* "Online debating to encourage student participation in online learning communities: A case study in the Education Department of Rhodes University". *e-merge 2004*. University of Cape Town, Cape Town. June 2004.

**Kachilonda,D**

*Kachilonda,D.* "Use of IK to improve learning programmes for the Conservation of Chambo in the South East Arm of Lake Malawi". *Environmental Education Association of southern Africa*. Treverton College, KZN, Mooiriver. April 2004. 74-89.

**Lotz-Sisitka,HB**

*Lotz-Sisitka,HB.* "Positioning southern African environmental education in a changing landscape". *Environmental Education Association of southern Africa*. Treverton College, KZN, Mooiriver. April 2004. 106-153.

*Lotz-Sisitka,HB.* "Foregrounding environment in sustainable development: Exploring implications for environmental education and journalism". *Southern African EnviroMedia Conference*. Johannesburg. October 2004.

*Lotz-Sisitka,HB and Olivier,C.* "Towards articulation of lessons learned in the National Environmental Education Project for General Education and Training". *Environmental Education Association of southern Africa*. Treverton College, KZN, Mooiriver. April 2004. 154-169.

**Murray,S**

*Dalvit,L, Hitchcock,J, Murray,S and Terzoli,A. "A web-based tool for ICT bilingual education". SATNAC 2004 (Southern African Telecommunications Networks and Applications Conference). Spier Estate, Stellenbosch. September 2004. ISBN: 0-620-32632-8.*

**Nhamo,G**

*Nhamo,G. "Generating environmental policy data through the internet: A case from South Africa". Environmental Education Association of southern Africa. Treverton College, KZN, Mooiriver. April 2004. 209-214.*

*Nhamo,G. "Racing towards zero plastic waste in South Africa: The environment-industry interface". Waste Con International Conference. Sun City, Pilanesburg. October 2004.*

**Schäfer,M**

*Schäfer,M. "The use of world view theory in the exploration of epistemological macrostructures in spatial conceptualisation". The 12th Annual Conference of SAARMSTE. UCT, Cape Town. January 2004. 936-945.*

**Smith,CO**

*Pearse,NJ and Smith,CO. "Strategic leadership and social capital in South African churches engaged in the cell church transition". 2nd Annual International Conference of Contemporary Management (ICCM). University of Stellenbosch, Stellenbosch. September 2004.*

**Southwood,S**

*Villet,MH, Futter,WT, Southwood,S and Mostert,M. "The role of the academic in the changing higher education environment: TRAC-ing a career". Reinventing the university. Conference on Higher Education. Rhodes University, Grahamstown. December 2004.*

**Stevens,A**

*Stevens,A. "SA Association for Research in Mathematics, Science and Technology Education". Cape Town, January 2004. 983-987.*

*Stevens,A. "Technology Association". Johannesburg, October 2004.*

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

**ii. International Conferences (Outside South Africa)**

**Dalvit,L**

*Dalvit,L. "Development of a web-based resource multilingual resource for equal access to ICT education in South Africa". International symposium on ICT Education and Applications in Developing Countries. Addis Ababa. Ethiopia. October 2004.*

*Dalvit,L. "E-learning for equality in South Africa: A multilingual resource for the teaching of Computer Science". UNIWEB – Expo e-learning 2004. Ferrara. Italy. October 2004.*

**Euvrard,G**

*Euvrard,G and Euvrard,G. "Playing with Archetypal Potentialities: Famling". International Conference on School-based Family Counselling. Brasenose College, Oxford, Oxford. UK. August 2004.*

**Irwin,P, Lotz-Sisitka,HB and O'Donoghue,R**

*Irwin,P, Lotz-Sisitka,HB and O'Donoghue,R. "Situating culture as a starting point for learning and research: South African story of Environmental Education and Sustainability". Second Annual JTET/Unesco Conference. Tallinn, Estonia. April 2004.*

**Lotz-Sisikta,HB and O'Donoghue,R**

*Lotz-Sisikta,HB and O'Donoghue,R. "Participation, situated culture and practical reason". Participation in Education Research Network. Danish Pedagogic University, Copenhagen. Denmark. June 2004.*

**Nhamo,G**

*Nhamo,G and Chemhuru,S. "Social marketing for good environmental stewardship and poverty education in southern Africa". Adult Education and Poverty Reduction: A global priority. University of Botswana, Gaborone. Botswana. June 2004. 263-268.*

*Nhamo,G and Chemhuru,S. "Macroeconomics, adult education and poverty eradication: Examples from southern Africa". Adult Education and Poverty Reduction: A global priority. University of Botswana, Gaborone. Botswana. June 2004. 62-67.*

**O'Donoghue,R, Timmermans,I and Lotz-Sisikta,HB**

*O'Donoghue,R, Timmermans,I, Lotz-Sisikta,HB and Shallcross,T. "Translation, adaptive transfer or the poling of ideas - what contextual profiling tells us about synergy in a UK-SA educational collaboration". British Education Research Association Conference. Manchester University, Manchester. UK. September 2004.*

**CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.**

**Lotz-Sisika,HB**

*Lotz-Sisika,H and Nhamo,G. International Workshop. "Publishing Environmental Education Research". Environmental Education Association of southern Africa Conference. Moorriver. April 2004.*

*Lotz-Sisikta,H. International Workshop. "Environmental Education Research Questions". Environmental Education Association of Southern Africa Conference. Mooiriver. April 2004.*

*Lotz-Sisikta,HB. International Consultation. "Learning through doing workshop". Learning to Change our World. Gotheburg, Sweden. 2004.*

**O'Donoghue,R**

*O'Donoghue,R. International Workshop. "Learning through doing workshop". Learning to change our world. SADC Regional EE Programme. Howick. 1 - 4 October 2004.*

*O'Donoghue,R. International Consultation. "Learning through doing workshop". Learning to change our world. Gotheburg, Sweden. 2004.*

**Olivitt,L**

*Olivitt,L. International Workshop. "Supporting the Environment-Curriculum Interface in South African schools through materials development". Environmental Education Association of southern Africa Conference. Mooiriver. April 2004.*

**Schäfer,M**

*Schäfer,M. Presenter. "Ideas for Mathematics portfolio work for Grade 9 teachers". National Science Festival. Education Department. Grahamstown. 17 March 2004.*

**Smith,CO**

*Smith,CO. Facilitator. "Organisation Development". Principals Training. Nelson Mandela Metropolitan University. PE. 2004.*

**Stevens,A**

*Stevens,A. Presenter. "Water Rocket Technology". SciFest. Grahamstown. 26 - 28 March 2004.*

*Stevens,A. Presenter. "Chocolate Technology". Amahlati Festival. Stutterheim. 21 - 24 August 2004.*

**Timmermans,I**

*Timmermans,I.* International Workshop. "Applied competence in professional development". Environmental Education Association of southern Africa Conference. Mooiriver. 2 April 2004.

**OVERSEAS RESEARCH OR FURTHER STUDY****Lotz-Sisitka,HB**

*Lotz-Sisitka,HB.* Danish Pedagogical University, Copenhagen, Denmark. 1 - 10 June 2004.

**O'Donoghue,R**

*O'Donoghue,R.* Danish Pedagogical University, Copenhagen, Denmark. 1 - 10 June 2004.

*O'Donoghue,R.* Manchester Metropolitan University, Manchester, UK. 1 September - 15 October 2004.

**DISTINGUISHED VISITORS**

Professor L Chisholm. Human Sciences Research Council, Pretoria. Address at PhD week programme. October 2004.

Dr L Goduka. Central Michigan University, Michigan State, USA. Working on Indigenous Knowledge research project. June - December 2004.

Professor A Gough. Deakin University, Victoria, Australia. Research meeting. August 2004.

Mr W Jacobz. Vice President, Gold Fields SA, Johannesburg. Attended special planning meeting in Rhodes EE Unit. July 2004.

Dr A Ogbuigwe. United Nations Environment Programme, Nairobi, Kenya. Delivered a keynote address at the Rhodes EE Unit Centenary Function. July 2004.

Professor B Parker. Dean, University of Fort Hare, East London. Address at PhD week programme. October 2004.

**JOURNAL SUBSIDY UNITS**

<b>EDUCATION</b>	<b>UNITS</b>
<b>Babikwa,D</b>	
<i>Babikwa,D.</i> "Tensions, contradictions and inconsistencies in community-based environmental education programmes: The role of defective education theories". <i>Southern African Journal of Environmental Education</i> . 2004. 21,61-80.	1.00
<b>Farrington,K</b>	
<i>Farrington,K and Davies,K.</i> "'The gentle art of letting the other fellow have your own way'. Viewpoints on a media narrative used to promote the proposed 2 toll road". <i>Southern African Journal of Environmental Education</i> . 2004. 21,162-169.	1.00
<b>Irwin,P</b>	
Fraser,C, Murray,H, Hayward,B and <i>Irwin,P.</i> "The development of the common fraction concept in Grade Three learners". <i>Pythagoras</i> . 2004. 59,26-33.	0.25
<b>Price,L</b>	
<i>Price,L and Gough,N.</i> "Rewording the world: Postructuralism, deconstruction and the 'real' in environmental education". <i>Southern African Journal of Environmental Education</i> . 2004. 21,23-36.	0.50
<b>Schäfer,M</b>	
<i>Schäfer,M.</i> "World view theory and the conceptualisation of space in mathematics education". <i>Pythagoras</i> . 2004. 59,8-17.	1.00
<b>TOTAL FOR EDUCATION</b>	<b>3.75</b>

## EM UNIT

### PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

#### Cross,RHM

*Botha,CEJ, Cross,RHM and Gerber,J. "The microstructure of plasmodesmata in internodal stem tissue of the Saccharum hybrid var. NCo376: Evidence for an apoplasmic loading pathway". South African Journal of Science. 2004. 100,619-623.*

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

#### ii. International Conferences (Outside South Africa)

#### Cross,RHM

*Botha,CEJ, Cross,RHM and Liu,L. "The ultrastructure of plasmodesmata in monocotyledons revisited". 5th International Plasmodesmata Biology Congress. Pacific Grove , Monterey Ca. USA. August 2004.*

### JOURNAL SUBSIDY UNITS

EMUNIT	UNITS
<b>Cross,RHM</b>	
<i>Botha,CEJ, Cross,RHM and Gerber,J. "The microstructure of plasmodesmata in internodal stem tissue of the Saccharum hybrid var. NCo376: Evidence for an apoplasmic loading pathway". South African Journal of Science. 2004. 100,619-623.</i>	0.34
TOTAL FOR EMUNIT	0.34

## ENGLISH

In 2004 the Department enjoyed a full and varied research seminar programme, with both staff and postgraduate students from the English and Philosophy departments participating prominently. Visiting speakers included the renowned South African author Stephen Gray, and Dr Robin Visel from Furman University, South Carolina, who has created a framework for future faculty exchange between Rhodes and Furman.

Professor John Gouws continued to pioneer Book and Text Studies in South Africa by holding two workshops at Rhodes: the first – which concentrated on electronic textuality and editing – was led by Professor Paul Eggert of the University of New South Wales, and the second, which focused specifically on book history in Southern Africa, by Professor Isabel Hofmeyr from the University of the Witwatersrand.

Another significant new research direction in the Department, ecocriticism (which combines literary study with ecological concerns), came under the spotlight in September when Dr Dan Wylie organized a successful colloquium on the topic. Invited speakers from Cape Town and Johannesburg were joined by Grahamstown academics, writers and performers in an exciting, multi-media and interdisciplinary programme of events.

Publications in 2004 were relatively few, but members of the Department are in the process of completing at least 3 book-length projects, and there are in addition a number of articles awaiting publication in 2005.

PROFESSOR G. CORNWELL  
HEAD OF DEPARTMENT

### PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

#### Beard, M M

Beard, M M. "Whither am I wandering?" A Journey into the Self - Mary Wollstoncraft's Travels in Scandinavia, 1795". *Literator*. 2004. 25(1),73-89.

#### Cornwell, G

Cornwell, G. "Disgraceland: History and the Humanities in 'Frontier Country'". *English in Africa*. 2003. 30(2),43-68.

#### Easton, K

Easton, K. "Travels to the Metropolis: Cape Town, London, and J.M. Coetzee's *Youth*". *Moving Worlds*. 2004. Dec,72-84.

#### Everitt, M

Everitt, M. "Life pumping through us anyhow': Douglas Livingstone's use of evolution in A Littoral Zone". *Green Letters: Science and Literature*. 2004. 5,12-22.

#### Gouws, J

Gouws, J. "Deneys Reitz and Imperial Co-option". *Bulletin of the Bibliographical Society of Australia and New Zealand*. 2004. 28(1 and 2),73-82.

Gouws, J. "Book and Text Studies in Grahamstown". *English Studies in Africa*. 2004. 47(1),119-124.

Gouws, J. "Nicholas Oldisworth (1611-1645) and the Westminster School Poets". *The Southern African Journal of Medieval & Renaissance Studies*. 2003. 13,57-70.

#### Hacksley, G

Hacksley, G. "I, You and Cymbeline: An Exploration of Shakespeare's Influence in the Poetry of Noel Brettell". *Shakespeare in Southern Africa*. 2003. 15,29-37.



**Wylie,D**

Wylie,D. "Hollow land of emptiness': Repression and Ecology in Some Early Rhodesian Poetry". *English Academy Review*. 2003. 20(December),29-43.

**OTHER PUBLICATIONS****Cornwell,G**

Cornwell,G. "Things Fall Apart by Chinua Achebe". Parini, J. (eds) *British Writers Classics*. Scribner's. New York. 2004. 2, 289-305.

Cornwell,G. "Chinua Achebe". Parini, J. (eds) *World Writers in English*. Scribner's New York. 2004. 1, 1-19.

**Gouws,J**

Gouws,J. "Fulke Greville". *Dictionary of National Biography*. Oxford University Press. Oxford. 2004.

Gouws,J. "Nicholas Oldisworth". *Dictionary of National Biography*. Oxford University Press. Oxford. 2004.

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

**i. Local Conferences (Within South Africa)****Naidu,S**

Naidu,S. "Past the post: Configuring trans-cultural literary aesthetics in a post-postcolonial world". *Combined AUETSA-SAVAL-SACLALS Conference on Postcolonialism South/Africa*. University of KwaZulu-Natal, Durban. July 2004.

**Stevens,M**

Stevens,M. "Beyond postcolonialism: An examination of Douglas Livingstone's A Tide in the Affairs of Station 18". *Combined AUETSA-SAVAL-SACLALS Conference on Postcolonialism South/Africa*. University of KwaZulu-Natal, Durban. July 2004.

**Wylie,D**

Wylie,D. "Seahorn messiah: Sydney Clouts's natural ear". *Combined AUETSA-SAVAL-SACLALS Conference on Postcolonialism South/Africa*. University of KwaZulu-Natal, Durban. July 2004.

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

**ii. International Conferences (Outside South Africa)****Cornwell,G**

Cornwell,G. "Elizabeth Costello, Malegapuru makgoba, and the Future of the Humanities in Africa". *International conference on new directions in the Humanities*. Monash University, Prato. Italy. July 2004.

**Gouws,J**

Gouws,J. "Indiscrete versions of works by Fulke Greville and members of the Sidney circle, and their representation". *First European society for textual scholarship international conference*. Alicante. Spain. November 2004.

Gouws,J. "Bringing textual studies to book". *Modern Languages Association Annual convention*. Philadelphia. USA. December 2004.

**CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.****Gouws,J**

Gouws,J. Organiser. Book and text studies workshop. Rhodes University. Grahamstown. 26 - 28 March 2004.

Gouws,J. Organiser. Book and text studies workshop. Rhodes University. Grahamstown. 22 - 23 October 2004.

Gouws,J. Convenor. "Textual studies, the humanities, and J M Coetzee's Elizabeth Costello". MLA Annual Convention. Philadelphia, USA. 27 - 30 December 2004.

#### Wylie,D

Wylie,D. Organiser. Literature and ecology colloquium. Rhodes University. Grahamstown. 2 - 5 September 2004.

### OVERSEAS RESEARCH OR FURTHER STUDY

#### Naidu,S

Naidu,S. SOAS, University of London, London, UK. Completion of PhD. November 2004.

#### Wylie,D

Wylie,D. Mateus Foundation, near Lisbon, Portugal. Poetry translation workshop. November 2004.

### JOURNAL SUBSIDY UNITS

ENGLISH	UNITS
<b>Beard,M M</b>	
Beard,M M. "Whither am I wandering?" A Journey into the Self - Mary Wollstoncraft's Travels in Scandanavia, 1795". <i>Literator</i> . 2004. 25(1),73-89.	1.00
<b>Cornwell,G</b>	
Cornwell,G. "Disgraceland: History and the Humanities in 'Frontier Country'". <i>English in Africa</i> . 2003. 30(2),43-68.	1.00
<b>Gouws,J</b>	
Gouws,J. "Book and Text Studies in Grahamstown". <i>English Studies in Africa</i> . 2004. 47(1),119-124.	1.00
Gouws,J. "Nicholas Oldisworth (1611-1645) and the Westminster School Poets". <i>The Southern African Journal of Medieval &amp; Renaissance Studies</i> . 2003. 13,57-70.	1.00
<b>Hacksley,G</b>	
Hacksley,G. "I, You and Cymbeline: An Exploration of Shakespeare's Influence in the Poetry of Noel Brettell". <i>Shakespeare in Southern Africa</i> . 2003. 15,29-37.	1.00
<b>Wylie,D</b>	
Wylie,D. "Hollow land of emptiness': Repression and Ecology in Some Early Rhodesian Poetry". <i>English Academy Review</i> . 2003. 20(December),29-43.	1.00
TOTAL FOR ENGLISH	6.00

## ENGLISH LANGUAGE AND LINGUISTICS

This, again, was a productive year for members of the Department of English Language & Linguistics. Professor de Klerk (Italy) and Ms Hunt (Cornell, US) presented papers on their work at international conferences, while Professor de Klerk and Ms Niven reported on their research locally as well. From the point of view of publications, members of the department published 4 articles in peer reviewed journals, 2 book chapters and 2 reviews. We look forward to a number of others appearing in print early in 2005.

Professor de Klerk continued her corpus-based research into Xhosa-English with substantial funding from the NRF and attracted increasing interest in her work both locally and internationally. She was awarded the Vice Chancellor's Distinguished Senior Researcher award for 2004 in recognition of her research performance to date. She currently sits as Ministerial representative on the South African Geographical Names Council, she is a board member of the Academy of Science of South Africa, and in 2004 she chaired the joint Literary Studies and Linguistics rating panel of the NRF. During November she helped to convene a seminar series representing research in Humanities for AsSAf in Cape Town. She, along with Dr Simango and Professor Adendorff, contributed to the NRF's process of researcher evaluation. Dr Simango continued his collaborative research project on anaphora in African languages with Ken Safir of Rutgers University, USA; and started research on Xhosa-English code-switching; Mr Bekker has begun a PhD focussed on testing the hypothesis that South African English has regional varieties.

As far as post-graduate students are concerned, the department maintains steady numbers of Honours and Master's students. Although no Master's or PhD students completed their theses, the following post-graduate students were registered in 2004.

Postgraduate Diploma in English Language Teaching	1
Honours in Linguistics & Applied Language Studies	8
Coursework Master's in Linguistics & Applied Language Studies	1
Master's by thesis	6
PhD	4

PROFESSOR V. DE KLERK  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### Adendorff,R

*Adendorff,R*. "The principal's book: Discursively reconstructing a culture of teaching and learning in an Umlazi High School". In: Young,L and Harrison, C. (eds) *Systemic Functional Linguistics and Critical Discourse Analysis: Studies in Social Change*. Continuum. London & New York. 2004. 202-215.

### Simango,SR

*Simango,SR*. "Do we dare harmonize orthographies?". In: Chebanne,A, Jokweni,M, Mokitimi,L and Ngubane, S. (eds) *Unifying Southern African Languages: Harmonization and Standardization*. The Centre for Advanced Studies. Cape Town. 2004. 33-38.

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### Adendorff,R

*Adendorff,R* and Parkinson,J. "The use of popular science articles in teaching scientific literacy". *English for Specific Purposes*. 2004. 23,379-396.

### Bekker,I

*Bekker,I*. "An attitude scale for measuring language attitudes at South African tertiary institutions". *Southern African Linguistics and Applied Language Studies*. 2004. 22(1 & 2),43-62.

**de klerk,V**

Barkhuizen,G and de klerk,V. "Pre-emigration reflections: Afrikaans speakers moving to New Zealand". *Southern African Linguistics and Applied Language Studies*. 2004. 22(3&4),99-109.

de Klerk,V and Lagonikos,I. "First name changes in South Africa: The swing of the pendulum". *International Journal of the Sociology of Language*. 2004. (170),59-80.

**OTHER PUBLICATIONS****Bekker,I**

Bekker,I. "Language in Cape Town's District Six". McCormick, K. (eds) *Journal of Sociolinguistics*. 2004. 8(3), 491.

**Simango,SR**

Simango,SR. "World Lexicon of Grammaticalization". Heine,B and Kuteva, T. (eds) *Southern African Linguistics and Applied Language Studies*. 2004. 22, 97-98.

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

**i. Local Conferences (Within South Africa)****de Klerk,V**

de Klerk,V. "Multilingualism: Policy versus Practice". *Colloquium on Advancing Multilingualism in a Democratic South Africa*. Durban. March 2004.

de Klerk,V. "The language of Truth and Reconciliation: Was it fair to all concerned?". *Annual Conference of the Linguistic Society of South Africa*. RAU, Johannesburg. June 2004.

**Niven,P**

Niven,P. "Exploring 1st year students' and their Lecturers' constructions of what it means to read in a Humanities Discipline: A conflict of frames?". *South African Journal of Higher Education conference*. UNISA, Pretoria. 2004.

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

**ii. International Conferences (Outside South Africa)****de Klerk,V**

de Klerk,V. "WELL Xhosa English speakers seem to be using WELL pretty well". *25th International Conference on English Language research on computerised corpora of modern and medieval English*. Verona. Italy. May 2004.

**Hunt,SA**

Hunt,SA. "The Linguistic Construction of Female Physical Identity in Teenage Romance Fiction". *International Gender and Language Association (IGALA)*. Cornell University, Ithaca. USA. June 2004.

**DISTINGUISHED VISITORS**

Professor H Janks. University of the Witwatersrand, Johannesburg South Africa. Lectures. October 2004.

**JOURNAL SUBSIDY UNITS**

ENGLISH LANGUAGE AND LINGUISTICS		UNITS
<b>Adendorff,R</b>		
Adendorff,R and Parkinson,J. "The use of popular science articles in teaching scientific literacy". <i>English for Specific Purposes</i> . 2004. 23,379-396.		0.50

<b>Bekker,I</b>	
<i>Bekker,I. "An attitude scale for measuring language attitudes at South African tertiary institutions". Southern African Linguistics and Applied Language Studies. 2004. 22(1 &amp; 2),43-62.</i>	1.00
<b>de klerk,V</b>	
Barkhuizen,G and <i>de klerk,V. "Pre-emigration reflections: Afrikaans speakers moving to New Zealand". Southern African Linguistics and Applied Language Studies. 2004. 22(3&amp;4),99-109.</i>	0.50
<i>de Klerk,V and Lagonikos,I. "First name changes in South Africa: The swing of the pendulum". International Journal of the Sociology of Language. 2004. (170),59-80.</i>	1.00
<b>TOTAL FOR ENGLISH LANGUAGE AND LINGUISTICS</b>	<b>3.00</b>

## ENVIRONMENTAL SCIENCE

It has been another good year for the Department of Environmental Science with 20 book chapters, two books and 10 journal papers published during the year. The key highlight was definitely the publication of two edited books, one each by Professors Fabricius and Shackleton.

Professor Fabricius was the lead editor of a compilation of seventeen southern African case studies on *Rights, Resources and Rural Development: community-based natural resource management in southern Africa*. It is a landmark text that has been well received nationally and internationally. Professor Shackleton was a co-editor of a 30 chapter text on *Indigenous forests and woodlands in South Africa: policy, people and practice*. It includes over 80 authors from South Africa. Other significant milestones were (i) the completion of our contribution to the southern African component of the International Millennium Assessment, which will result in several publications in the next few years as well as strong international research links, (ii) the award of a research grant for bi-lateral cooperation with Bangalore University in India, and (iii) staff and student participation in the preparation of the Local Environmental Action Programme (LEAP) for the local Makana municipality.

For 2005, the department has 11 Master's students and five PhDs. It is anticipated that four Master's will be graduating in April 2005. They are Samantha Browne, Georgina Cundill, Helen Fox and Masego Madzwamuse.

PROFESSOR C. SHACKLETON  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### Fabricius,C

*Fabricius,C*. "The fundamentals of community-based natural resource management". In: Fabricius,C, Koch,E, Magome,H and Turner, S. (eds) *Rights, resources and rural development*. Earthscan. London. 2004. 3-43.

*Fabricius,C, Koch,E, Magome,H and Turner,S*. (eds). *Rights, resources and rural development*. Earthscan. London. 2004. 288 pp.

*Fabricius,C, Koch,E, Magome,H, Turner,S and Sistika,L*. "Conclusions and recommendations: what we have learned from a decade of experimentation". In: Fabricius,C, Koch,E, Magome,H and Turner, S. (eds) *Rights, resources and rural development*. Earthscan. London. 2004. 271-281.

*Madzwamuse,M and Fabricius,C*. "Local ecological knowledge and the Basarwa in the Okavango Delta: The case of Xaxaba District". In: Fabricius,C, Koch,E, Magome,H and Turner, S. (eds) *Rights, resources and rural development*. Earthscan. London. 2004. 160-173.

Magome,H and *Fabricius,C*. "Reconciling biodiversity conservation with rural development: The Holy Grail of CBNRM". In: Fabricius,C, Koch,E, Magome,H and Turner, S. (eds) *Rights, resources and rural development*. Earthscan. London. 2004. 93-114.

### Scheepers,K

*Scheepers,K*. "Preferences for kraalwood species at Machibi village, Eastern Cape". In: Lawes,MJ, Eeley,HAC, Shackleton,CM and Geach, BGS. (eds) *Indigenous forests and woodlands in South Africa: Policy, people and practice*. University of KwaZulu-Natal Press. Pietermaritzburg. 2004. 341-343.

### Shackleton,CM

Botha,J, Witkowski,ETF and *Shackleton,CM*. "The medicinal plant trade on the western boundary of the Kruger National Park". In: Lawes,MJ, Eeley,HAC, Shackleton,CM and Geach, BGS. (eds) *Indigenous forests and woodlands in South Africa: Policy, people and practice*. University of KwaZulu-Natal Press. Pietermaritzburg. 2004. 461-464.

Cunningham,AB and *Shackleton,CM*. "Use of fruits and seeds from indigenous and naturalised plant species". In: Lawes,MJ, Eeley,HAC, Shackleton,CM and Geach, BGS. (eds) *Indigenous forests and woodlands in South Africa: Policy, people and practice*. University of KwaZulu-Natal Press. Pietermaritzburg. 2004. 603-626.

Dzerefos,CM, Witkowski,ETF and *Shackleton,CM*. "Towards the sustainable use of mistletoe produced woodroses in Bushbuckridge, Limpopo". In: Lawes,MJ, Eeley,HAC, Shackleton,CM and Geach, BGS. (eds) *Indigenous forests and woodlands in South Africa: Policy, people and practice*. University of KwaZulu-Natal Press. Pietermaritzburg. 2004. 430-431.

Lawes,MJ, Eeley,HAC, *Shackleton,CM* and Geach,BGS. (eds). University of KwaZulu-Natal Press. Pietermaritzburg. 2004. 863 pp.

Lawes,MJ, Eeley,HAC, *Shackleton,CM* and Geach,BGS. "South African forests and woodlands: Recurring themes in integrating policy, people and practice". In: Lawes,MJ, Eeley,HAC, Shackleton,CM and Geach, BGS. (eds) *Indigenous forests and woodlands in South Africa: Policy, people and practice*. University of KwaZulu-Natal Press. Pietermaritzburg. 2004. 815-831.

*Shackleton,CM*, Grundy,I and Williams,A. "Use of South Africa's woodlands for energy and construction". In: Lawes,MJ, Eeley,HAC, Shackleton,CM and Geach, BGS. (eds) *Indigenous forests and woodlands in South Africa: Policy, people and practice*. University of KwaZulu-Natal Press. Pietermaritzburg. 2004. 337-363.

#### **Shackleton,SE**

*Shackleton,SE* and Steenkamp,C. "The woodcraft industry in the Mpumalanga-Limpopo Province lowveld". In: Lawes,MJ, Eeley,HAC, Shackleton,CM and Geach, BGS. (eds) *Indigenous forests and woodlands in South Africa: Policy, people and practice*. University of KwaZulu-Natal Press. Pietermaritzburg. 2004. 399-435.

von Maltitz,GP and *Shackleton,SE*. "History and removal of the Tzhidzivhe tribe from the Thathe Forest, Limpopo Province". In: Lawes,MJ, Eeley,HAC, Shackleton,CM and Geach, BGS. (eds) *Indigenous forests and woodlands in South Africa: Policy, people and practice*. University of KwaZulu-Natal Press. Pietermaritzburg. 2004. 112.

von Maltitz,GP and *Shackleton,SE*. "Use and management of forests and woodlands in South Africa: Stakeholders, institutions and processes from past to present". In: Lawes,MJ, Eeley,HAC, Shackleton,CM and Geach, BGS. (eds) *Indigenous forests and woodlands in South Africa: Policy, people and Practice*. University of KwaZulu-Natal Press. Pietermaritzburg. 2004. 109-135.

Wollenberg,E, Campbell,BM, *Shackleton,SE*, Edmunds,D and Shanley,P. "Collaborative management of forests". In: Meinzen-Dick,R and di Gregorio, M. (eds) *Collective action and property rights*. International Food Policy Research Institute. Washington. 2004. 15-16.

#### **Shackleton,SE and Shackleton,CM**

*Shackleton,SE* and *Shackleton,CM*. "Everyday resources are valuable enough for community based natural resource management programme support: Evidence from South Africa". In: Fabricius,C, Koch,E, Magome,H and Turner, S. (eds) *Rights, resources and rural development*. Earthscan. London. 2004. 135-146.

*Shackleton,SE* and *Shackleton,CM*. "Kiaat carvings". In: Lopez,C and Shanley, P. (eds) *Riches of the forest: For health, life and spirit in Africa*. Center for International Forestry Research. Bogor. 2004. 57-60.

*Shackleton,SE* and *Shackleton,CM*. "The *Pterocarpus angolensis* DC. Based woodcraft industry in the Bushbuckridge district, South Africa". In: Sunderland,T and Ndoye, O. (eds) *Forest products, livelihoods and conservation: Case studies of non-timber forest product systems, Vol 2: Africa*. Center for International Forestry Research. Bogor. 2004. 203-228.

*Shackleton,CM* and *Shackleton,SE*. "The use of woodland resources for direct household provisioning". In: Lawes,MJ, Eeley,HAC, Shackleton,CM and Geach, BGS. (eds) *Indigenous forests and woodlands in South Africa: Policy, people and practice*. University of KwaZulu-Natal Press. Pietermaritzburg. 2004. 195-225.

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### Shackleton,CM

Botha,J, Witkowski,ETF and *Shackleton,CM*. "The impact of commercial harvesting on *Warburgia salutaris* (pepper-bark tree) in Mpumalanga, South Africa". *Biodiversity and Conservation*. 2004. 13,1675-1698.

Botha,J, Witkowski,ETF and *Shackleton,CM*. "Market profiles and trade in medicinal plants in the Lowveld, South Africa". *Environmental Conservation*. 2004. 31,1-9.

Botha,J, Witkowski,ETF and *Shackleton,CM*. "Harvesting impacts on two commonly used medicinal tree species (*Catha edulis* and *Rapanea melanophloeos*) under different land management regimes in Mpumalanga Lowveld, South Africa". *Koedoe*. 2004. 47,1-18.

Botha,J, Witkowski,ETF, *Shackleton,CM* and Fairbanks,DHF. "Socio-economic differentiation of the trade in wildlife species for traditional medicines in the lowveld, South Africa: Implications for resource management initiative". *International Journal of Sustainable Development and World Ecology*. 2004. 11,280-297.

Dovie,DBK, Witkowski,ETF and *Shackleton,CM*. "The fuelwood crisis in southern Africa - relating fuelwood use to livelihoods in a rural village". *Geojournal*. 2004. 60,123-133.

*Shackleton,CM*, Guthrie,G and Main,R. "Estimating the potential role of commercial over-harvesting in resource viability: a case study of five useful tree species in South Africa". *Land Degradation and Development*. 2005. 15,1-14.

### Shackleton,CM and Shackleton,SE

*Shackleton,CM* and *Shackleton,SE*. "The importance of non-timber forest products in rural livelihood security and as safety nets: A review of evidence from South Africa". *South African Journal of Science*. 2004. 100,658-664.

### Shackleton,SE

*Shackleton,SE*. "Livelihood benefits from small-scale commercialisation of savanna resources: A case study of the new and expanding trade in marula (*Sclerocarya birre*) beer in Bushbuckridge, South Africa". *South African Journal of Science*. 2004. 100,651-657.

## OTHER PUBLICATIONS

### Gambiza,J

Anderson,J, Bryceson,D, Campbell,BM, Chitundu,D, Clarke,J, Drinkwater,M, Fakir,S, Frost,PGH, *Gambiza,J*, Grundy,I, Hagmann,J, Jones,BM, Jones,GW, Kowero,G, Luckert,M, Mortimore,M, Phiri,AD, Potgieter,P, *Shackleton,SE* and Williams,T. "Chance, change and choice in Africa's drylands: A new perspective on policy priorities". Centre for International Forestry Research. Bogor. 2004. 1-8.

### Shackleton,CM

*Palmer,RCG*, *Shackleton,CM*, *Timmermans,HG*, *Nongwe,N* and *Hamer,N*. "Direct-use values of non-timber forest products at Ntubeni and Cwebe on the Transkei Wild Coast". ISER Research Report Series No:12. ISER. Grahamstown. 2004. 1-36.

### Shackleton,SE

*Shackleton,SE*. "Making a difference to the lives of rural women in Limpopo". Kruger 2 Canyon News. 2004. 2(9), 10.

*Shackleton,SE*. "Using local markets in South Africa to secure livelihoods in the face of HIV/AIDS and increasing unemployment". Making forest work for the poor in Africa: Building on success. Centre for International Forestry Research. 2004. 3.

Campbell,BM, Frost,PGH, Kokue,G, le Breton,G, *Shackleton,SE* and Tiveau,D. "Making forest work for the poor in Africa: Building on success". Centre for International Forestry Research. 2004. 1-4.



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

### i. Local Conferences (Within South Africa)

#### Fabricius,C

*Fabricius,C.* "Is biodiversity being lost in Thicket communal areas, and so what if it is?". *Thicket Forum*. Addo Elephant National Park, Addo. May 2004.

*Fabricius,C.* "How can we ever restore natural capital in communal areas?". *Restoring Natural Capital*. Prince Albert. September 2004.

#### Shackleton,CM

*Shackleton,CM.* "Building the jigsaw puzzle of resource use and associated impacts in communal areas of the semi-arid lowveld". *People, land and time in Africa*. Futululu. June 2004.

*Pote,J, Cocks,ML, Dold,AP, Lubke,RA and Shackleton,CM.* "The homegarden cultivation of indigenous Amayeza in the Eastern Cape". *Indigenous Plant Use Forum: Indigenous Knowledge Systems and Intellectual Property Rights*. Augsberg Agricultural School, Clanwilliam. July 2004.

#### Shackleton,SE

*Shackleton,SE.* "*Athrixia phylicoides*: A multipurpose species - its use in the traditional broom industry in the Limpopo Province lowveld". *Indigenous Plant use forum*. Clanwilliam. July 2004.

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

### ii. International Conferences (Outside South Africa)

#### Fabricius,C

*Cundill,G and Fabricius,C.* "Foghorns to the future: Combining local and scientific knowledge in ecosystem assessments". *Bridging scales and epistemologies*. Alexandria. Egypt. March 2004.

*Fabricius,C, Scholes,RJ and Cundill,G.* "Mobilising knowledge for ecosystem assessments". *Bridging scales and epistemologies*. Alexandria. Egypt. March 2004.

#### Whittington-Jones,K

*Rose,PD, Corbett,C, Neba,A and Whittington-Jones,K.* "Sewage sludge as an electron donor in biological mine wastewater Treatment: Development of the Rhodes BioSURE process®". *Mine Water 2004. Process, Policy and Progress*. University of Newcastle, Newcastle-Upon-Tyne. UK. September 2004. 2. 111-118.

*Whiteley,CG, Burgess,JE, Pletschke,BI, Enongene,GN and Whittington-Jones,K.* "Enzyme profiles in an anaerobic sulphidogenic reactor. Floc morphology and size distribution". *Sludge management: Forging new frontiers*. Raffles Town Club, Singapore. Singapore. March 2004. CD-ROM.

## JOURNAL SUBSIDY UNITS

ENVIRONMENTAL SCIENCE	UNITS
<b>Shackleton,CM</b>	
Botha,J, Witkowski,ETF and <i>Shackleton,CM.</i> "The impact of commercial harvesting on <i>Warburgia salutaris</i> (pepper-bark tree) in Mpumalanga, South Africa". <i>Biodiversity and Conservation</i> . 2004. 13,1675-1698.	0.34
Botha,J, Witkowski,ETF and <i>Shackleton,CM.</i> "Market profiles and trade in medicinal plants in the Lowveld, South Africa". <i>Environmental Conservation</i> . 2004. 31,1-9.	0.34
Botha,J, Witkowski,ETF and <i>Shackleton,CM.</i> "Harvesting impacts on two commonly used medicinal tree species ( <i>Catha edulis</i> and <i>Rapanea melanophloeos</i> ) under different land management regimes in	0.34

Mpumalanga Lowveld, South Africa". <i>Koedoe</i> . 2004. 47,1-18.	
Botha,J, Witkowski,ETF, <i>Shackleton,CM</i> and Fairbanks,DHF. "Socio-economic differentiation of the trade in wildlife species for traditional medicines in the lowveld, South Africa: Implications for resource management initiative". <i>International Journal of Sustainable Development and World Ecology</i> . 2004. 11,280-297.	0.25
Dovie,DBK, Witkowski,ETF and <i>Shackleton,CM</i> . "The fuelwood crisis in southern Africa - relating fuelwood use to livelihoods in a rural village". <i>Geojournal</i> . 2004. 60,123-133.	0.34
<i>Shackleton,CM, Guthrie,G</i> and <i>Main,R</i> . "Estimating the potential role of commercial over-harvesting in resource viability: a case study of five useful tree species in South Africa". <i>Land Degradation and Development</i> . 2005. 15,1-14.	1.00
<b>Shackleton,CM and Shackleton,SE</b>	
<i>Shackleton,CM</i> and <i>Shackleton,SE</i> . "The importance of non-timber forest products in rural livelihood security and as safety nets: A review of evidence from South Africa". <i>South African Journal of Science</i> . 2004. 100,658-664.	1.00
<b>Shackleton,SE</b>	
<i>Shackleton,SE</i> . "Livelihood benefits from small-scale commercialisation of savanna resources: A case study of the new and expanding trade in marula ( <i>Sclerocarya birre</i> ) beer in Bushbuckridge, South Africa". <i>South African Journal of Science</i> . 2004. 100,651-657.	1.00
TOTAL FOR ENVIRONMENTAL SCIENCE	4.61

## FINE ART

*Through the looking glass: Representations of self by South African women artists*, a book authored by Brenda Schmähmann, was published in 2004. Also significant have been two articles in accredited journals – one by Maureen de Jager (in *Art South Africa*) and the other by Gerhard Schoeman (in *Acta Varia*).

Mark Hipper and Brent Meistre have had solo exhibitions, the former in Germany and the latter in Grahamstown. Michael Herbst wrote a catalogue essay to accompany Brent Meistre's show. Brenda Schmähmann curated a touring exhibition (which will extend into 2005) and Michael Herbst curated an exhibition on campus. A number of staff members have participated in group exhibitions.

Staff have also been active at local conferences, and Dominic Thorburn participated in a printmaking conference at Rutgers University in the USA. Papers that three staff members contributed to the "Visual Culture/Explorations" conference in Pretoria have been accepted into peer-reviewed proceedings.

The Fine Art Department expects that there will be seven MFA students and one MA (History of Art) student registered in the Department in 2005. One MFA student will be graduating in April 2005 and the Department expects at least another four postgraduates to have submitted their work for examination by the end of 2005.

**Please note:** The Department has not included in its returns items that are in press but not yet published. These include *Between Union and Liberation: women artists in South Africa, 1910-1994* (Ashgate Publishers), which Brenda Schmähmann co-edited and which will include two chapters by her, and *Popular Visual Culture in South Africa* (Van Schaik), which includes chapters by Michael Herbst and Brenda Schmähmann. The former will be published by May 2005 and the latter by March 2005.

PROFESSOR B. SCHMAHMANN  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### Herbst,M

*Herbst,M.* "Facing Melancholia: A Reader's Introduction to Brent Meistre's ans: desire for a beginning/dread of one single end". In: Meistre, B. (eds) sans: desire for a beginning/dread of one single end. Printed by artist. Grahamstown. 2004.

### Schmahmann,BL

*Schmahmann,BL.* "Brenda Schmähmann". In: Nettleton,A, Charlton,J and Rankin-Smith, F. (eds) Voice Overs: Wits Writing Exploring African Artworks. University of the Witwatersrand Art Galleries. Johannesburg. 2004. 110-111.

*Schmahmann,BL.* *Through the looking glass: Representations of self by South African women artists*. David Krut Publishing. Johannesburg. 2004. 109 pp.

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### De Jager,M

*De Jager,M.* "Evidence and Artifice". *Art South Africa*. 2004. 3(2),26-29.

*De Jager,M.* "Forensics and Fantasy". *Art South Africa*. 2004. 3(2),30-31.

### Schoeman,G

*Schoeman,G.* "*Felix in Exile: William Kentridge's self-reflexive allegories of art and history*". *Acta Academica*. 2004. 36(2),1-56.

## OTHER PUBLICATIONS

### Herbst,M

*Herbst,M.* "Democracy's Aftermath edited by Gary van Wyk and A Decade of Democracy edited by Emma Bedford". O Toole, S. (eds) Art South Africa. Bell Roberts. Cape Town. 2004. 3(2), 86-87.

### Schoeman,G

*Schoeman,G.* "Brent Meistre". O Toole, S. (eds) Art South Africa. Bell Robert. Cape Town. 2004. 3(1), 62.

*Schoeman,G.* "William Kentridge". O Toole, S. (eds) Art South Africa. Bell Roberts. Cape Town. 2004. 3(1), 65.

*Schoeman,G.* "Excess Baggage". O Toole, S. (eds) Art South Africa. Bell Roberts. Cape Town. 2004. 3(2), 13.

*Schoeman,G.* "Personal Affects". O Toole, S. (eds) Art South Africa. Bell Roberts. Cape Town. 2004. 3(2), 54-55.

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

### i. Local Conferences (Within South Africa)

#### De Jager,M

*De Jager,M.* "Speaking in a language of obstacle and delay: Mute matter and mourning in the work of Doris Salcedo". *Visual Culture/Explorations*. University of Pretoria, Pretoria. July 2004.

#### Herbst,M

*Herbst,M.* "The Postmodern Corps Morcele as an Effect of Capital". *Visual Culture/Explorations*. University of Pretoria, Pretoria. July 2004.

#### Schmahmann,BL

*Schmahmann,BL.* "'You're born naked and the rest is drag': Gendered enactments in the works of South African women artists". *Annual Conference of SA Association of Art Historians*. University of KwaZulu Natal, Durban. September 2004.

#### Schoeman,G

*Schoeman,G.* "Melancholy constellations: Walter Benjamin, Anselm Kiefer, William Kentridge and the play of mourning". *Visual Culture/Explorations*. University of Pretoria, Pretoria. July 2004.

#### Thorburn,D

*Thorburn,D.* "Extending the 'Funding Hand'". *Visual Arts Indaba*. University of Fort Hare, Alice. February 2004.

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

### ii. International Conferences (Outside South Africa)

#### Thorburn,D

*Thorburn,D.* "Diversity, Discourse & Dimension - the impact of Impact". *Southern Graphics International Printmaking Conference*. Rutgers University, New Jersey. United States. March 2004.

## CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

### Dixie,C

*Dixie,C.* Artist. "*Thresholds*". Through the looking glass. Albany History Museum. Grahamstown. 1 July - 11 September 2004.

*Dixie,C.* Artist. Women. Cape Town. 20 July - 19 August 2004.

*Dixie, C.* Artist. "Thresholds". Through the looking glass. Nelson Mandela Metropolitan Art Museum. Port Elizabeth. 5 October 2004 - 30 January 2005.

#### **Herbst, M**

*Herbst, M.* Curator of exhibition. 100 Year of Personality: A Rhodes Alumni Exhibition. Nun's Chapel, Rhodes University. Grahamstown. 1 July - 12 September 2004.

#### **Hipper, M**

*Hipper, M.* Artist. Sudden Death. Westwendischer Kunstverein. Gartow, Germany. 19 June - 22 August 2004.

*Hipper, M.* Artist. The Inquisitors. Asperger Gallery. Berlin, Germany. 27 August - 1 October 2004.

#### **Meistre, B**

*Meistre, B.* Artist. Sans: Desire for a beginning/dread of one single end. Fine Art Department, Rhodes University. Grahamstown. 15 June - 23 July 2004.

*Meistre, B* and *Knoetze, J.* Interactive poster and projective therapy test for official P. Malaise: A projective (non-test). Durban Convention Centre. Durban. 21 - 23 September 2004.

#### **Schmahmann, BL**

*Schmahmann, BL.* Curator of exhibition. Through the looking glass. Albany History Museum. Grahamstown. 1 July - 11 September 2004.

*Schmahmann, BL.* Curator of exhibition. Through the looking glass. Nelson Mandela Metropolitan Art Museum. Port Elizabeth. 5 October 2004 - 30 January 2005.

#### **Thorburn, D**

*Thorburn, D.* Artist. Resistance, Reconciliation, Reconstruction. Pretoria Art Museum. Pretoria. 17 November 2004 - 5 January 2005.

### **DISTINGUISHED VISITORS**

Ms W Cruise. Independent artist, Johannesburg. Guest lecturer - ran classes for Studio Practice 1 and Studio Practice 3 and gave two lectures on her art. July-September 2004.

Ms J Hecker. Museum of Modern Art, New York, USA. Seminar. May 2004.

Ms K Smith. Independent artist, Johannesburg. Lecture on her art. August 2004.

Ms K Von Veh. Technikon Witwatersrand, Johannesburg. Lectures on colonialism for Art History & Visual Culture 3. May 2004.

Professor G Younge. University of Cape Town, Cape Town. Installation of Centenary Artwork. September 2004.

### **JOURNAL SUBSIDY UNITS**

<b>FINE ART</b>	<b>UNITS</b>
<b>De Jager, M</b>	
<i>De Jager, M.</i> "Forensics and Fantasy". <i>Art South Africa</i> . 2004. 3(2),30-31.	1.00
<b>Schoeman, G</b>	
<i>Schoeman, G.</i> "Felix in Exile: William Kentridge's self-reflexive allegories of art and history". <i>Acta Academica</i> . 2004. 36(2),1-56.	1.00
<b>TOTAL FOR FINE ART</b>	<b>2.00</b>

## **GEOGRAPHY**

Staff members in the department had a productive research year, producing a total of nine journal articles, three book chapters, one paper published in a conference proceedings and one book. The 2004 graduation ceremony was marked by the graduation of four Master's students, two with distinctions, and one PhD student. Professor Roddy Fox received the Vice Chancellor's Distinguished Teaching Award as well as a Post Graduate Certificate in Higher Education. His interest in developing innovative teaching methods has led to three conference presentations and a first international publication in an educational journal with Professor Kate Rowntree. Another highlight of Professor Fox's research in 2004 was seeing the published results of a number of collaborations sponsored through the British Council's Link programme and the Dutch government's SANPAD programme.

Professor Etienne Nel added to his publication list through two journal articles and three book chapters. He has contributed key inputs to a new government policy paper on Local Economic Development.

Professor Lewis actively pursued his research into the Quaternary of southern Africa and initiated research into environmental change on the island of St Helena. His book on the 'Origins and development of the Irish Draught Horse.' was published by Geography Publications, Dublin.

Professor Rowntree is collaborating with the Institute for Water Research as a member of the project management team for a pilot project applied to the Kat River, Eastern Cape Province, to develop methods for the cooperative evolution of a catchment management strategy involving stakeholders, government agencies and specialists. This research has arisen out of the capacity building work by the Department of Geography that has been ongoing in the Kat Valley since 1997. Applied research in Fluvial Geomorphology has continued through the WRC project on the assessment of a geomorphological reference condition. The outputs from this research are being developed and tested in collaboration with researchers from the Resource Quality Services, DWAF, for application to river classification for water resource protection.

Professor Rowntree spent two months in the UK as part of her sabbatical leave where she met up with Professor Ian Foster from Coventry University who has been awarded a Hugh Kelly Fellowship for 2005. We are looking forward to establishing a collaborative research programme between the two Universities. Together with Professors Fox and Nel she attended the International Geographical Congress Conference and the Joint International Geomorphological Conference, both in Glasgow in August.

**PROFESSOR K. ROWNTREE**  
**HEAD OF DEPARTMENT**

## **BOOKS/CHAPTERS/MONOGRAPHS**

### **Lewis,CA**

*Lewis,CA.* Origins and development of the Irish Draught Horse. Geography Publications. Dublin. 2004. 142 pp.

### **Nel,EL**

*Nel,EL.* "Evolving participatory governance and development local government in post-apartheid South Africa". In: Lovan,P and Murray, M. (eds) Participatory Governance: Planning, Conflict Mediation and Public Decision-Making with Civil Society. Ashgate. Aldershot. 2004. 23-38.

*Nel,EL, Hill,T and Eising,W.* "Local Economic Development in Cato Manor". In: Robinson,P, McCarthy,J and Foster, C. (eds) Reconstruction in the Developing World. Heinmann. Sandown. 2004. 347-372.

*Nel,EL and Illgner,PM.* "The contribution of bees to livelihoods in southern Africa". In: Fabricus,C, Kock,E, Magome,H and Turner, S. (eds) Earthscan. London. 2004. 127-134.

## **PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**

### **Fox,RC**

Andrew,M and Fox,RC. "'Under-cultivation' and the intensification in the Transkei: A case study of historical changes in the use of arable land in Nompá, Shixini". *Development Southern Africa*. 2004. 21(4),687-706.

Brown,T, Fox,RC and Funnell,D. "The "invisible" mountains. Using GIS to examine the extent of mountain terrain in South Africa". *Mountain Research and Development*. 2004. 24(1),28-34.

Fox,RC and Southall,RC. "The general election in Lesotho, May 2002: Adapting to MMP". *Electoral Studies*. 2004. 23(3),545-550.

Fox,RC and Southall,RC. "Adapting to Electoral System Change, 2002: Voters in Lesotho". *Journal of African Elections*. 2003. 2(2),86-96.

### **Fox,RC and Rowntree,KM**

Fox,RC and Rowntree,KM. "Linking the doing to the thinking: Using criterion-based assessment in role-playing simulations". *Planet*. 2004. 13,12-15.

### **Lewis,CA**

Lewis,CA. "Late Glacial and Holocene palaeoclimatology of the Drakensberg of the Eastern Cape, South Africa". *Quaternary International*. 2004. 129,33-48.

### **Nel,EL**

Bek,D, Binns,JA and Nel,EL. "Catching the development train"; Perspectives on 'top-down' and 'bottom-up' development in post-apartheid South Africa". *Progress in Development Studies*. 2004. 4(1),22-46.

Nel,EL, Hill,T and Goodenough,C . "Global coal demand, South Africa's coal industry and the Richards Bay Coal Terminal". *Geography*. 2004. 89(3),292-297.

### **Rowntree,KM**

Rowntree,KM, Duma,MF, Kakembo,V and Thornes,JA. "Debunking the Myth of Overgrazing and Soil Erosion". *Land Degradation and Development*. 2004. 15(3),203-214.

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

### **i. Local Conferences (Within South Africa)**

#### **Bere,U**

Bere,U. "Monitoring LandCare activities in rehabilitating degraded sites in the Kat River Valley, Eastern Cape". *SAAG Biennial Conference*. Knysna. April 2004.

#### **du Preez,L**

du Preez,L. "On the notion of a Geomorphological Reference Condition - paradigms, purpose and progress". *SAAG Biennial Conference*. Knysna. April 2004.

#### **Fox,RC**

Fox,RC and Assmo,P. "Structure, rules and standards: Reflections on the development of an international curriculum". *Reinventing the University' Conference on Higher Education*. Rhodes University, Grahamstown. December 2004.

#### **Fox,RC and Rowntree,KM**

Fox,RC and Rowntree,KM. "How do we assess the development of understanding in the context of "the student-as-worker"". *Reinventing the University' Conference on Higher Education*. Rhodes University, Grahamstown. December 2004.

**Freeman,J**

*Freeman,J.* "The geomorphological changes exhibited by the Nkwenkwe sugar states portion of the Mthlatuzi river, a sand bed river, as consequence of upstream impoundment". *SAAG Biennial Conference*. Knysna. April 2004.

**Rowntree,KM**

*Rowntree,KM.* "Assessing the geomorphological component of the Present Ecological state of South Africa Rivers". *SAAG Biennial Conference*. Knysna. April 2004.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****ii. International Conferences (Outside South Africa)****Fox,RC**

*Fox,RC* and *Assmo,P.* "The development of a Research Philosophy and Methodology course using Web-Based Learning: An international collaboration". *30th Congress of the International Geographical Union*. University of Strathclyde, Glasgow. Scotland. 2004. 140-145.

**McGregor,GK**

*Cobbing,B* and *McGregor,GK.* "An investigation into the use of LANDSAT 7 ETM imagery as a suitable data capture source for selected alien acacia species for the WFW programme (incomplete)". *AARSE Conference*. Nairobi. Kenya. October 2004.

*Muller,D* and *McGregor,GK.* "The development of a methodology for the systematic analysis of patches of sub-tropical thicket to determine species for the WFW programme (incomplete)". *AARSE Conference*. Nairobi. Kenya. October 2004.

**Rowntree,KM**

*Rowntree,KM.* "Integrating catchment management through Land Care in the Kat Valley, Eastern Cape, South Africa". *30th Congress of the International Geographical Union*. Glasgow. UK. August 2004.

*Rowntree,KM* and *du Plessis,M.* "Geomorphological impacts of an interbasin transfer in the Skoonmakers River, South Africa". *Joint International Geomorphology Conference*. Glasgow. UK. August 2004.

**Thornes,J and Rowntree,KM**

*Thornes,J* and *Rowntree,KM.* "Integrated catchment management in semi-arid environments: A different approach is needed". *30th Congress of the International Geographical Union*. Glasgow. UK. August 2004.

**OVERSEAS RESEARCH OR FURTHER STUDY****Fox,RC**

*Fox,RC.* Uddevalla, Sweden. Linnaeus-Palme Exchange Programme. 10 - 14 March 2004.

*Fox,RC.* Harare, Zimbabwe. Research. November 2004.

**Lewis,CA**

*Lewis,CA.* St. Helena. Geomorphological Research. July - August 2004.

**Nel,EL**

*Nel,EL.* Lusaka, Zambia. Fieldwork regarding economic development. July 2004.

**Rowntree,KM**

*Rowntree,KM.* Coventry, UK. Sabbatical. January 2004.

*Rowntree,KM.* Harare, Zimbabwe. Research. November 2004.



## DISTINGUISHED VISITORS

Dr P Assmo. University of Trollhattan-Uddevalla. Linnaeus-Palme Exchange Programme. September 2004.

Professor T Binns. University of Otago, New Zealand. Research. July 2004.

Dr A Perry. University of Swansea, United Kingdom. Leave Replacement. October 2004.

## JOURNAL SUBSIDY UNITS

<b>GEOGRAPHY</b>	<b>UNITS</b>
<b>Fox,RC</b>	
<i>Andrew,M and Fox,RC. "'Under-cultivation' and the intensification in the Transkei: A case study of historical changes in the use of arable land in Nomp, Shixini". Development Southern Africa. 2004. 21(4),687-706.</i>	1.00
<i>Brown,T, Fox,RC and Funnell,D. "The "invisible" mountains. Using GIS to examine the extent of mountain terrain in South Africa". Mountain Research and Development. 2004. 24(1),28-34.</i>	0.34
<i>Fox,RC and Southall,RC. "The general election in Lesotho, May 2002: Adapting to MMP". Electoral Studies. 2004. 23(3),545-550.</i>	0.50
<i>Fox,RC and Southall,RC. "Adapting to Electoral System Change, 2002: Voters in Lesotho". Journal of African Elections. 2003. 2(2),86-96.</i>	0.50
<b>Lewis,CA</b>	
<i>Lewis,CA. "Late Glacial and Holocene palaeoclimatology of the Drakensberg of the Eastern Cape, South Africa". Quaternary International. 2004. 129,33-48.</i>	1.00
<b>Nel,EL</b>	
<i>Nel,EL, Hill,T and Goodenough,C . "Global coal demand, South Africa's coal industry and the Richards Bay Coal Terminal". Geography. 2004. 89(3),292-297.</i>	0.34
<b>Rowntree,KM</b>	
<i>Rowntree,KM, Duma,MF, Kakembo,V and Thornes,JA. "Debunking the Myth of Overgrazing and Soil Erosion". Land Degradation and Development. 2004. 15(3),203-214.</i>	0.50
<b>TOTAL FOR GEOGRAPHY</b>	<b>4.18</b>

## GEOLOGY

Despite staff turnovers and the arrival of new staff during 2004 the research outputs of the Department of Geology have been maintained at solid level. Research carried out within the department is reflected in 10 full length peer-reviewed journal publications (including 3 for the Rhodes Centenary issue of the South African Journal of Science) and 9 conference presentations. One of the department's new lecturers, Dr Bordy, published an additional 5 papers in 2004 on research done prior to joining the university. In view of the increased subsidy the University will receive for recognized research outputs this augurs well for the department being able to contribute significantly to the subsidy-earning capacity of the university in the future. In 2005 the department anticipates having 10 MSc students registered and 1 PhD and 9 MSc students in the April graduation in 2005. One area of concern is poor rate at which we are able to convert research thesis material into subsidy earning publications. Two international research projects which include departmental staff members as collaborators received funding for 2004-2005. The first, entitled "Emplacement mechanisms and magma flow in sheet intrusions in sedimentary basins" involves Professor J.S. Marsh from the Geology Department and scientists from Norway, France, UK and South Africa, and is funded by the Research Council of Norway. The second, involving one of the department's new staff members, Dr S. Prevec in collaboration with Dr Tuomo Alapieti of the University of Finland, has been funded by the Science Academy of Finland and is entitled "Controls of PGE-base metal sulphide and chromite mineralization in Fennoscandia 2.5-2.4 Ga mafic-ultramafic rocks". Finally, the international journal, Lithos (Elsevier), has published the research proceedings of the 2003 International Kimberlite conference in two volumes totalling over 1500 pages. Each volume is named for an outstanding kimberlite researcher, and those being honoured are Barry Hawthorne and Roger Clement, both alumni of the Geology Department of Rhodes University.

PROFESSOR J. MARSH  
HEAD OF DEPARTMENT

### PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

#### Jacob,RE

Jacob,RE, Mitha,V and MacPherson,D. "The kaolinitic clay deposits on Beaconsfield, north of Grahamstown". *South African Journal of Science*. 2004. 100,560-564.

#### Marsh,JS

Marsh,JS. "Rare Earth Element geochemistry of the Insizwa lobe of the Mount Ayliff Complex, Eastern Cape, South Africa". *South African Journal of Science*. 2004. 100,556-560.

Ewart,A, Marsh,JS, Milner,SC, Duncan,AR, Kamber,BS and Armstrong,RA. "Petrology and geochemistry of Early Cretaceous bimodal continental flood volcanism of NW Etendeka, Namibia. Part 2: Characteristics and petrogenesis of the high-Ti latite and high-Ti and low-Ti voluminous quartz latite eruptives". *Journal of Petrology*. 2004. 45,107-138.

Ewart,A, Marsh,JS, Milner,SC, Duncan,AR, Kamber,BS and Armstrong,RA. "Petrology and Geochemistry of Early Cretaceous bimodal continental flood volcanism of NW Etendeka, Namibia. Part 1: Introduction, mafic lavas and re-evaluation of mantle source components". *Journal of Petrology*. 2004. 45,59-105.

#### Moore,JM

Moore,JM and Moore,AE. "The roles of primary kimberlitic and secondary Dwyka glacial sources in the development of alluvial and marine diamond deposits in Southern Africa". *Journal of African Earth Sciences*. 2004. 38,115-134.

#### Prevec,SA

Prevec,SA, Anhaeusser,CR and Poujol,M. "Evidence for Archaean lamprophyre from the Kaapvaal Craton, South Africa". *South African Journal of Science*. 2004. 100,549-555.

#### Skinner,EMW

Skinner,EMW, Apter,DB, Morelli,C and Smithson,NK. "Kimberlites of the Man Craton, West Africa". *Lithos*. 2004. 76,233-256.

**Skinner,EMW and Marsh,JS**

*Skinner,EMW and Marsh,JS*. "Distinct kimberlite pipe classes with contrasting eruption processes". *Lithos*. 2004. 76,183-200.

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

**i. Local Conferences (Within South Africa)**

**August,RB**

*August,RB*, Roberts,MP and Dunlevey,JM. "Chemically dated obtained ages of Detrital Monazites from the Sibaya Formation". *Microscopy Society of Southern Africa*. University of Pretoria, Pretoria. December 2004. 34. 28.

**Bordy,EM**

*Bordy,EM*, Bumby,A, Catuneanu,O and Eriksson,PG. "Early Jurassic termite nests from southern Africa". *Geoscience Africa 2004*. University of the Witwatersrand, Johannesburg. July 2004. 67.

*Bordy,EM*, Hancox,PJ and Rubidge,BS. "The junction of the Molteno and Elliot Formations in the main Karoo basin (South Africa): Have these lithostratigraphic units ever co-existed?". *Geoscience Africa 2004*. University of the Witwatersrand, Johannesburg. July 2004. 68.

**Moore,JM and Jacob,RE**

*Moore,JM and Jacob,RE*. "Contrasting styles of mesothermal Au-Cu mineralisation in the Central and Southern zones, Damara Orogen, Namibia: The roles of host-rock buffering and regional fluid composition". *Geoscience Africa 2004*. University of the Witwatersrand, Johannesburg. July 2004. 462-463.

**Moore,JM and Sheets,RW**

Hammond,NQ, *Moore,JM* and *Sheets,RW*. "Genetic characteristics of gold mineralisation in banded iron-formation at the Kalahari Goldridge Deposit, Kraaipan Greenstone Belt, South Africa". *Geoscience Africa 2004*. University of the Witwatersrand, Johannesburg. July 2004. 245.

**Prevec,SA**

*Prevec,SA*. "Science outreach and promotion through festivals and fairs: Money and time well spent, or better spent elsewhere?". *Geoscience Africa 2004*. University of the Witwatersrand, Johannesburg. July 2004. 528-529.

*Prevec,SA*. "Unstable fracture propagation as a mechanism for magmatic conduit generation". *Geoscience Africa 2004*. University of the Witwatersrand, Johannesburg. July 2004. 530-531.

*Prevec,SA*, Anhaeusser,CR and Poujol,M. "Evidence of fertile mantle in the Archaean beneath the Kaapvaal Craton: Calc-alkaline lamprophyres in the Johannesburg Dome". *Geoscience Africa 2004*. University of the Witwatersrand, Johannesburg. July 2004. 532-533.

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

**ii. International Conferences (Outside South Africa)**

**Prevec,SA**

*Prevec,SA*, Ashwal,LD and Mkaza,MS. "Sm-Nd isotopic evidence for mineral disequilibrium from the Merensky pegmatoid, Bushveld Complex, South Africa". *Twelfth Annual VM Goldschmidt Conference*. Copenhagen, Denmark. June 2004. 5.4.

## OVERSEAS RESEARCH OR FURTHER STUDY

### Büttner,SH

Büttner,SH. Department of Applied Geosciences, Berlin, Germany. Completion of lecture contract. 1 November - 14 March 2005.

## DISTINGUISHED VISITORS

Professor H Bertrand. Université Claude Bernard, Lyon France. Consultation on Ar-dating of Karoo igneous rocks. August 2004.

Dr PC Buchanan. Antarctic Meteorite Research Centre, Tokyo Japan. Research collaboration. August-January 2005.

Dr B Corner. Corner Geophysics, Swakopmund Namibia. Lecture. July 2004.

Professor J Gutzmer. Rand Afrikaans University, Johannesburg. Lecture. November 2004.

Dr R Harris. Geodatec, Johannesburg. Lecture. July 2004.

Mr C Mallinson. Geodatec, Grahamstown. Lecture. September 2004.

Ms E Maritz. Gemcom Africa (Pty) Ltd, Johannesburg. Lecture. September 2004.

Dr S Master. University of the Witwatersrand, Johannesburg. Lecture. April 2004.

Professor E-R Newman. University of Oslo, Oslo Norway. Consultation and mini conference with field trips for research collaboration. October 2004.

Dr S Planke. University of Oslo, Oslo Norway. Consultation and mini conference with field trips for research collaboration. October 2004.

Dr J Ward. De Beers, Johannesburg. Lecture. May 2004.

Professor M Watkeys. University of Natal, Durban. Lecture. September 2004.

## JOURNAL SUBSIDY UNITS

GEOLOGY	UNITS
<b>Jacob,RE</b>	
Jacob,RE, Mitha,V and MacPherson,D. "The kaolinitic clay deposits on Beaconsfield, north of Grahamstown". <i>South African Journal of Science</i> . 2004. 100,560-564.	1.00
<b>Marsh,JS</b>	
Marsh,JS. "Rare Earth Element geochemistry of the Insizwa lobe of the Mount Ayliff Complex, Eastern Cape, South Africa". <i>South African Journal of Science</i> . 2004. 100,556-560.	1.00
Ewart,A, Marsh,JS, Milner,SC, Duncan,AR, Kamber,BS and Armstrong,RA. "Petrology and geochemistry of Early Cretaceous bimodal continental flood volcanism of NW Etendeka, Namibia. Part 2: Characteristics and petrogenesis of the high-Ti latite and high-Ti and low-Ti oluminous quartz latite eruptives". <i>Journal of Petrology</i> . 2004. 45,107-138.	0.17
Ewart,A, Marsh,JS, Milner,SC, Duncan,AR, Kamber,BS and Armstrong,RA. "Petrology and Geochemistry of Early Cretaceous bimodal continental flood volcanism of NW Etendeka, Namibia. Part 1: Introduction, mafic lavas and re-evaluation of mantle source components". <i>Journal of Petrology</i> . 2004. 45,59-105.	0.17
<b>Moore,JM</b>	
Moore,JM and Moore,AE. "The roles of primary kimberlitic and secondary Dwyka glacial sources in the development of alluvial and marine diamond deposits in Southern Africa". <i>Journal of African Earth Sciences</i> .	0.50

2004. 38,115-134.	
<b>Prevec,SA</b>	
<i>Prevec,SA, Anhaeusser,CR and Poujol,M. "Evidence for Archaean lamprophyre from the Kaapvaal Craton, South Africa". South African Journal of Science. 2004. 100,549-555.</i>	0.34
<b>Skinner,EMW</b>	
<i>Skinner,EMW, Apter,DB, Morelli,C and Smithson,NK. "Kimberlites of the Man Craton, West Africa". Lithos. 2004. 76,233-256.</i>	0.25
<b>Skinner,EMW and Marsh,JS</b>	
<i>Skinner,EMW and Marsh,JS. "Distinct kimberlite pipe classes with contrasting eruption processes". Lithos. 2004. 76,183-200.</i>	1.00
<b>TOTAL FOR GEOLOGY</b>	<b>4.43</b>

## **HISTORY**

Gary Baines gave five different papers at conferences held at Queen's University in Canada, Stellenbosch, Wits, UNISA and Rhodes. He continues to focus his main attention on representations of the South African border war, on which he is preparing a co-edited book for publication.

Julian Cobbing gave a paper and a series of three lectures on Global Crisis at the University of Natal, Pietermaritzburg.

Paul Maylam completed a manuscript on commemorations and representations of Cecil Rhodes in the twentieth century. The book will be published by David Philip in 2005.

Julia Wells completed a book on Makana's escape from Robben Island, to be published by UNISA in 2005. She was also appointed as a member of the National Heritage Council by Minister of Arts and Culture as representative of the Eastern Cape. Elected chairperson of its portfolio committee on Research, Development, Languages and Living Heritage and is a member of the Executive Committee.

Isaac Tarus obtained his PhD degree for a thesis on colonial taxation in Kenya. Jürg Richner is expected to graduate with an MA in 2005. The department currently has four registered MA students and one PhD student.

**PROFESSOR J. COBBING**  
**ACTING HEAD OF DEPARTMENT**

## **BOOKS/CHAPTERS/MONOGRAPHS**

### **Wells,J**

*Wells,J.* "Eva's Men: Gender and Power in the Establishment of the Cape of Good Hope, 1652-1674". In: Ballantyne,T and Burton, A. (eds) *Bodies in Contact*. Duke University Press. USA. 2004. (In Press).

## **PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**

### **Baines,G**

*Baines,G.* "A Progressive South African City? Port Elizabeth and Influx control ca.1923-1953". *Journal of Urban History*. 2004. 31(1),75-100.

*Baines,G.* "South Africa's Vietnam? Literary History and Cultural Memory of the Border War". *SAfundi: the Journal of South African and American Comparative Studies*. 2004. 15(online),

## **OTHER PUBLICATIONS**

### **Baines,G**

*Baines,G.* "On being a South African ambassador on an American campus". *International Education*. 2004. 34(1), 29-33.

### **Maylam,PR**

*Maylam,PR.* "Botswana: Bechuanaland Protectorate, Founding of: 1885-1899". *Encyclopaedia of African History*. Fitzroy Dearborn (A division of the Taylor and Francis Group). New York. 2004. 1, 164-166.

*Maylam,PR.* "South Africa: Apartheid, 1948-59". *Encyclopaedia of African History*. Fitzroy Dearborn (A division of the Taylor and Francis Group). New York. 2004. 3, 1442-1444.

*Maylam,PR.* "South Africa: Soweto Uprising". *Encyclopaedia of African History*. Fitzroy Dearborn (A division of the Taylor and Francis Group). New York. 2004. 3, 1453-1454.

**Wells,J**

Wells,J. "What if Gender Mattered in South African Society?". *Annals. Grahamstown Historical Society*. Grahamstown. 2004. 28, 18-42.

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

**i. Local Conferences (Within South Africa)**

**Baines,G**

Baines,G. "Nation Building as Commemoration and Consensus". *The South African Past in the 21st Century Conference*. University of Stellenbosch, Stellenbosch. April 2004.

Baines,G. "Representations of New Brighton in Official Discourse, Private Memory and Public History". *'Townships Now' Symposium*. Wits Institute for Social and Economic Research (WISER), University of the Witwatersrand, Johannesburg. June 2004.

Baines,G. "Popular Music and Narratives of Whiteness in Apartheid South Africa". *Composing Apartheid*. Rhodes University, Grahamstown. July 2004.

Baines,G. "Racist Hate Speech and South Africa's Fragile Democracy: The Case of Ngema's AmaNdiya". *Ten Years of Democracy in Southern Africa*. UNISA, Pretoria. August 2004.

**Wells,J**

Wells,J. "The Place of Oral History in the Rapidly Emerging Heritage Sector". *Oral History Conference*. Department of Arts & Culture, National Archives, Pretoria. October 2004.

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

**ii. International Conferences (Outside South Africa)**

**Baines,G**

Baines,G. "The Politics of Public History Post-Apartheid South Africa". *Workshop: 'Ten Years of Democracy in Southern Africa: Historical Achievement, Present State, Future Prospects'*. Queen's University, Kingston. Canada. May 2004.

**Wells,J**

Wells,J. "Who Owns History? Devolving Power to Local Government and Traditional Leadership in the East Cape of South Africa". *Heritage in Southern and Eastern Africa: Imagining and Marketing Public Culture and History*. Zambia National Museum Board, British Institute in Eastern Africa and the *Journal of Southern Africa Studies*, Livingstone. Zambia. July 2004.

**JOURNAL SUBSIDY UNITS**

HISTORY	UNITS
<b>Baines,G</b>	
Baines,G. "A Progressive South African City? Port Elizabeth and Influx control ca.1923-1953". <i>Journal of Urban History</i> . 2004. 31(1),75-100.	1.00
Baines,G. "South Africa's Vietnam? Literary History and Cultural Memory of the Border War". <i>SAfundi: the Journal of South African and American Comparative Studies</i> . 2004. 15(online),	1.00
<b>TOTAL FOR HISTORY</b>	<b>2.00</b>

## HUMAN KINETICS AND ERGONOMICS

We are proud to have a Scott and Christie paper in the Rhodes Centenary issue of the South African Journal of Science. Our main areas of research at present are on the musculoskeletal stresses resulting from the poor working postures of manual labourers, and the energy expenditure of the human operator working under extreme conditions. As these working conditions are virtually impossible to simulate in the laboratory, we have had many challenges to overcome in order to make every effort to conduct field experimentation as rigorously as possible. From these experiences it was evident that there was a critical need to establish reliable indirect methods of assessing workers' responses *in situ*; and this was the focus of the SAJS article. Probably the major publication of the year was the invited Chapter in "Cultural Ergonomics", by Scott and Charteris which focuses on the problems and successes of Ergonomics in Industrially Developing Countries (IDCs), and which has been well received.

Keeping our international profile active, Jon James attended the British Ergonomics Conference in Wales in April, and his two papers with colleagues in the department were both published in the proceedings, as were the two papers Pat Scott presented at the Human Factors and Ergonomics Conference held in New Orleans, USA in September. Pat Scott received the prestigious honour of being made a Fellow of the International Ergonomics Association in recognition of her drive to promote the need for both the research and the practice of Ergonomics in IDCs.

There were several overseas visitors to the department during the year, the most notable being Professor Mital (USA), who lectured and ran three workshops at Rhodes and around the country. His visit and national activities were all organised by the department. The other distinguished visit was Dr Mackau from Germany who gave lectures and joined the Honours group on a couple of field trips.

Miriam Renz was awarded her MSc with distinction at graduation in 2004. There are four PhDs, three MSc's and six Honours students registered for Ergonomics in 2005, and we will have one MSc graduating in April 2005.

PROFESSOR P. SCOTT  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### Scott, PA and Charteris, J

Scott, PA and Charteris, J. "Ergonomics in Industrially Developing Countries (IDCs): Socio-cultural perspectives". In: Kaplan, M. (eds) Cultural Ergonomics. Elsevier. Texas, USA. 2004. 4, 223-248.

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### Charteris, J

Charteris, J. "Centre of mass position in South African workers, and the optimal height of handrails". *Ergonomics SA*. 2004. 16(2), 18-28.

### Scott, PA

Renz, MC and Scott, PA. "Crate off-loading tasks: Kinematic and metabolic analysis". *Ergonomics SA*. 2004. 16(2), 2-17.

### Scott, PA and Christie, CJ

Scott, PA and Christie, CJ. "'Optimal' speed-load combinations for military manoeuvres". *International Journal of Industrial Ergonomics*. 2004. 33(1), 63-68.

Scott, PA and Christie, CJ. "An indirect assessment of energy expenditure of manual labourers *in situ*". *South African Journal of Science*. 2004. 100, 694-698.



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

**ii. International Conferences (Outside South Africa)**

**James,JP and Todd,AI**

*James,JP and Todd,AI. "Push and pull strength: A comparison of male and female isokinetic and isometric dynamometry responses". Contemporary Ergonomics 2004. Proceedings of the Ergonomics Society Annual Conference 2004. Swansea. Wales. April 2004. 13-17.*

**Scott,PA and Christie,CJ**

*Scott,PA and Christie,CJ. "A Preliminary field assessment of the energy expenditure of forestry workers in South Africa". Proceedings: Human Factors and Ergonomics Society 48th Annual Meeting. New Orleans. USA. September 2004. 1412-1416.*

*Scott,PA, Christie,CJ and Renz,MC. "Two 'Micro' IDC field Investigations requiring 'Macro' interventions". Proceedings: Human Factors and Ergonomics Society 48th Annual Meeting. New Orleans. USA. September 2004. 1596-1600.*

**Todd,AI, James,JP and Scott,PA**

*Todd,AI, James,JP and Scott,PA. "Slip, trip and fall hazards in a South African automotive plant: Practical recommendations". Contemporary Ergonomics 2004. Proceedings of the Ergonomics Society Annual Conference 2004. Swansea. Wales. April 2004. 185-189.*

**CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.**

**Scott,PA**

*Scott,PA. "Facilitation of ergonomics in the automotive industry". Port Elizabeth. 2004.*

**Scott,PA and Christie,CJ**

*Scott,PA and Christie,CJ. "Practical application of ergonomics in forestry". Pietermaritzburg . 2004.*

**DISTINGUISHED VISITORS**

Dr D Mackau. Aachen University, Germany. Lectures. February-March 2004.

Professor A Mital. University of Cincinnati, Cincinnati, USA. Lectures and workshop. July-August 2004.

**JOURNAL SUBSIDY UNITS**

<b>HUMAN KINETICS AND ERGONOMICS</b>	<b>UNITS</b>
<b>Charteris,J</b>	
<i>Charteris,J. "Centre of mass position in South African workers, and the optimal height of handrails". Ergonomics SA. 2004. 16(2),18-28.</i>	1.00
<b>Scott,PA</b>	
<i>Renz,MC and Scott,PA. "Crate off-loading tasks: Kinematic and metabolic analysis". Ergonomics SA. 2004. 16(2),2-17.</i>	1.00
<b>Scott,PA and Christie,CJ</b>	
<i>Scott,PA and Christie,CJ. "'Optimal' speed-load combinations for military manoeuvres". International Journal of Industrial Ergonomics. 2004. 33(1),63-68.</i>	1.00
<i>Scott,PA and Christie,CJ. "An indirect assessment of energy expenditure of manual labourers in situ". South African Journal of Science. 2004. 100,694-698.</i>	1.00
<b>TOTAL FOR HUMAN KINETICS AND ERGONOMICS</b>	<b>4.00</b>

## ICHTHYOLOGY AND FISHERIES SCIENCE

A wide range of ichthyological, fisheries, and aquaculture research projects were undertaken by DIFS staff, and its body of 34 MSc and PhD research students. The DIFS' research collaboration with the South African Institute for Aquatic Biodiversity (SAIAB) grew with 6 MSc and 2 PhD students supervised or co-supervised by SAIAB staff in 2004. Emeritus Professor Tom Hecht's research group successfully spawned and reared our local sole species paving the way for commercial aquaculture trials. With industry/ THRIP funding, Professor Pete Britz and Dr Cliff Jones developed a "low pollution" abalone feed which has successfully been commercialised. Professor Warwick Sauer in collaboration with University of London made novel field and laboratory observations on squid mate choice and genetics, which provide insights into the animals evolution and life history strategy. Professor Tony Booth initiated a project which employs a novel hypothesis-driven method for quantifying the productivity of estuaries and small water bodies. Dr Horst Kaiser obtained support from the BIOPAD technology development fund to test the efficacy of "pro-biotics" developed by the CSIR on fish health. Dr Olaf Weyl, in collaboration with the Icelandic International Development Agency (ICEIDA) initiated research into the feasibility of developing an artisanal fishery for offshore fish species in Lake Malawi. Dr Ané Oosthuizen performed research on the hatching success of squid eggs on deep water spawning grounds and supervised a survey on "transformation" in the South African squid fishery. Mr Qurban Rouhani of the Rural Fisheries Programme undertook a Water Research Commission project on the contribution of aquaculture to rural livelihoods. Mr Martin Davies supervised and Water Research Commission funded project to develop "fishway" designs suitable for promoting the migration of South African fish species up dams and weirs.

PROFESSOR P. BRITZ  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### Booth,AJ

Booth,AJ and Wood,B. "GIS applications in offshore marine fisheries". In: Fisher,WL and Rahel, FJ. (eds) Geographic Information Systems in Fisheries. American Fisheries Society. Maryland, USA. 2004. (8), 209-235.

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### Booth,AJ

Booth,AJ. "Determination of cichlid-specific biological reference points". *Fisheries Research*. 2004. 67(2),307-316.

Rutaisire,J and Booth,AJ. "A histological description of ovarian recrudescence in two populations of *Labeo victorianus* populations". *African Journal of Aquatic Science*. 2004. 29(2),221-228.

Rutaisire,J and Booth,AJ. "Induced ovulation, spawning, egg incubation, and hatching of the cyprinid fish *Labeo victorianus* in captivity". *Journal of the World Aquaculture Society*. 2004. 35,383-391.

Rutaisire,J, Booth,AJ, Masembe,C, Nyakaana,S and Muwanika,VB. "Evolution of *Labeo victorianus* predates the Pleistocene desiccation of Lake Victoria: Evidence from mitochondrial DNA sequence variation". *South African Journal of Science*. 2004. 100,607-608.

### Booth,AJ and Weyl,OLF

Booth,AJ and Weyl,OLF. "Investigations into a potential directed fishery for *Labeo cylindricus* in Lake Chicamba, Mozambique". *African Zoology*. 2004. 39(1),77-90.

### Brouwer,SL

Brouwer,SL and Griffiths,MH. "Age and growth of *Argyrozona argyrozona* (Pisces Sparidae) in a Marine Protected Area: An evaluation of methods based on whole otoliths, sectioned otoliths and mark recapture". *Fisheries Research*. 2004. 67(1),1-12.

### Davis,JA and Hecht,T

Davis,JA, Churchill,GJ, Hecht,T and Sorgeloos,P. "Spawning characteristics of the South African mudcrab *Scylla serrata* (Forsk.) in captivity". *Journal of the World Aquaculture Society*. 2004. 35(2),121-133.

**Kaiser,H**

Paulet,TG and Kaiser,H. "Formalin-induced shrinkage in preserved goldfish (*Carassius auratus* L.) larvae". *Journal of Applied Ichthyology*. 2004. 20,1-2.

Vine,NG, Leukes,WD and Kaiser,H. "In vitro growth characteristics of five candidate aquaculture probiotics and two fish pathogens grown in fish intestinal mucus". *Fems Microbiology Letters*. 2004. 231,145-152.

**Kaiser,H and Britz,PJ**

Simon,CA, Kaiser,H and Britz,PJ. "The infestation of the abalone, *Haliotis midae*, by the sabellid, *Terebrasabella heterouncinata*, under intensive culture conditions, and the influence of infestation on abalone growth". *Aquaculture*. 2004. 232,29-40.

**Kaiser,H and Hecht,T**

Vine,NG, Leukes,WD, Kaiser,H, Daya,S, Baxter,J and Hecht,T. "Competition for attachment of aquaculture candidate probiotic and pathogenic bacteria on fish intestinal mucus". *Journal of Fish Diseases*. 2004. 27(6),319-326.

**Oosthuizen,A**

Oosthuizen,A. "Economic feasibility of an experimental octopus fishery in South Africa". *South African Journal of Science*. 2004. 100,595-602.

Oosthuizen,A, Jiwaji,M and Shaw,P. "Genetic analysis of the *Octopus vulgaris* population on the coast of South Africa". *South African Journal of Science*. 2004. 100,603-607.

**Sauer,WHH**

Shaw,PW and Sauer,WHH. "Multiple paternity and complex fertilisation dynamics in the squid *Loligo vulgaris reynaudii*". *Marine Ecology Progress Series*. 2004. 270,173-179.

**Simon,CA**

Simon,CA. "Ultrastructure of oogenesis in the abalone pest, *Terebrasabella heterouncinata* (Polychaeta: Sabellidae: Sabellinae)". *Invertebrate Reproduction and Development*. 2004. 46(1),19-26.

**Weyl,OLF**

Weyl,OLF, Mwakiyongo,KR and Mandere,DS. "An assessment of the *nkacha* net fishery of Lake Malombe, Malawi". *African Journal of Aquatic Science*. 2004. 29(1),47-55.

**Weyl,OLF and Booth,AJ**

Weyl,OLF, Kazembe,J, Booth,AJ and Mandere,DS. "An assessment of a light-attraction fishery in southern Lake Malawi". *African Journal of Aquatic Science*. 2004. 29,1-11.

**OTHER PUBLICATIONS****Britz,PJ**

Britz,PJ. "A Review of Aquaculture Policy and Institutional Capacity in the BCLME Region with Recommended Regional Policy Options. Benguela current Large Marine Ecosystem Project LMR/MC/03/01: Development of Responsible Aquaculture Policy for the BCLME Region, United Nations Development Programme". 2004. 68 pp.

Britz,PJ. "Review of Sustainable Aquaculture- Global Perspectives". Jana, BB. (eds) *African Journal of Aquatic Science*. African Journal of Aquatic Science . 2004. 29, 125-126.

Hinrichsen,E and Britz,PJ. "Draft Angolan Aquaculture Policy. Benguela Current Large Marine Ecosystem Project LMR/MC/03/01: Development of Responsible Aquaculture Policy for the BCLME Region, United Nations Development Programme". 2004. 25 pp.

**Davies,MTT**

Davies,MTT and Tweddle,D. "A Proposal for an Environmental Tourism Development at Holo Hlahatsi Impoundment. A pre-feasibility Survey of the Recreational Fishery, Tourism and Aquaculture Potential of the Holo Hlahatsi Impoundment". 2004.

**Davies,MTT and Jones,CLW**

*Davies,MTT, Shipton,TA and Jones,CLW.* "Hiddendale Trout Culture Facility – Hatchery Design. Prepared by: Enviro-Fish Africa (Pty) Ltd, for: Anton Borkhum, Hiddendale Farm, Dullstroom, Mpumalanga". 2004. 50 pp.

**Oosthuizen,A**

*Oosthuizen,A.* "Policy Document: Establishment of New Fisheries in South Africa. submitted to the Deputy Director General, Department of Environmental Affairs and Tourism, Branch: Marine and Coastal Management". 2004. 22 pp.

**Rouhani,Q**

*Rouhani,Q.* "A report on the survey of selected large dams in the North West Province: With a view to develop fisheries. Rural Fisheries Programme". 2004. 320 pp.

**Rouhani,Q and Britz,PJ**

*Rouhani,Q and Britz,PJ.* "Contribution of Aquaculture to Rural Livelihoods in South Africa: Baseline Study. WRC Report No. K5/1446/4. Rural Fisheries Programme". 2004.

**Rouhani,Q and Davies,MTT**

*Rouhani,Q and Davies,MTT.* "A Report on the survey to determine the potential for recreational and subsistence fisheries in the Alfred Nzo District Municipality. prepared by: The Rural Fisheries Programme". 2004. 20 pp.

**Rouhani,Q and Jones,CLW**

*Alletson,J, Rouhani,Q and Jones,CLW.* "The potential for a community-based angler guiding service on the Pongolapoort Dam in northern KwaZulu-Natal. Report prepared for the Swiss South African Cooperative Initiative". 2004. 42 pp.

**Rouhani,Q, Britz,PJ and Vine,NG**

*Fielding,P, Rouhani,Q, Britz,PJ, Eerett,B, Goeck,B, Mills,R, Vorsatz,J and Vine,NG.* "Marine and Coastal Resources in the O.R.Tambo District Municipality. prepared by: The Rural Fisheries Programme". 2004. 222 pp.

**Weyl,OLF**

*Weyl,OLF.* "Colonisation of the southeast arm of Lake Malawi by the lungfish *Protopterus annectens brien*i (Poll 1961)". Ichthos Newsletter. 2004. (73), 12-13.

*Weyl,OLF.* "Tiny trout of the mighty Mulunguzi". The Fishing Journal. 2004. 2004(7), 36-39.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****i. Local Conferences (Within South Africa)****Weyl,OLF, Rouhani,Q and Britz,PJ**

*Weyl,OLF, Potts,WP, Rouhani,Q and Britz,PJ.* "The need for inland fisheries policy in South Africa: A case study on the Northwest Province". *International Workshop for Water Resources Management for Local Development, Governance, Institutions and Policies.* Loskop Dam. November 2004.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****ii. International Conferences (Outside South Africa)****Booth,AJ**

*Booth,AJ.* "Spatial statistics and aquatic Geographic Information Systems". *GIS/Spatial Analyses in Fishery and Aquatic Sciences - Proceedings.* University of Sussex, Brighton. United Kingdom. September 2004. 2. 3-44.

**Kaiser,H and Britz,PJ**

Simon,CA, Kaiser,H and Britz,PJ. "The life history responses of the abalone pest, *Terebrasabella heterouncinata*, under natural and aquaculture conditions". *10th International Congress on Invertebrate Reproduction and Development*. Newcastle Upon Tyne. United Kingdom. July 2004.

**Oosthuizen,A**

Oosthuizen,A. "Development of new fisheries in South Africa". *4th World Fisheries Congress*. Haytt Regency Hotel, Vancouver. Canada. May 2004. 91.

**Weyl,OLF**

Weyl,OLF. "Lessons learnt from 10 years of co-management experience in Lake Malombe, Malawi, Africa". *Symposium on participatory approaches to reservoir fisheries management-issues, challenges and policies*. Dambulla. Sri Lanka. October 2004.

**CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.****Britz,PJ and Godfrey,B**

Britz,PJ, Raemaekers,S and Godfrey,B. "*The Abalone Fishery in the Eastern Cape Province. Are TURF's Solution to Overexploitation?*". Subsistence Fishery Policy Workshop organized by Department of Environmental Affairs and Tourism: Branch Marine and Coastal Management. East London. October 2004.

**Davies,MTT**

Davies,MTT. "*The Value of Freshwater Recreational Fisheries in South Africa*". Eastern Cape section of The National Biophysical Diversity Working Group. Grahamstown. February 2004.

Davies,MTT. "*The Potential for a landlocked marine recreational fly-sportfishery and Aquaculture Development at Marina Martinique, Jefferys Bay*". The Home Owners Association of Marina Martinique. Jeffrey's Bay. February 2004.

Davies,MTT. "*Towards a Protocol for Co-Responsibility in The Development, Sustainable Utilisation and Management of mostly Undiscovered Flyfishing Resources in Rural Eastern Cape. Proposal submitted to: The Federation of Southern African Flyfishers (FOSAF) National EXCO*". Johannesburg. June 2004.

Davies,MTT. "*The past, present and future relationship of the Federation of Southern African Flyfishers with the Department of Ichthyology and Fisheries Science, Rhodes University. Presentation made to: The Federation of Southern African Flyfishers (FOSAF) National EXCO*". Johannesburg. June 2004.

Davies,MTT. "*The Value of The Recreational Fishery in The Eastern Cape and South Africa*". World Wildlife Fund for Nature's (WWF), Freshwater Biophysical Diversity Conservation Strategy workshop. Pretoria. August 2004.

Davies,MTT. "*The mutual benefits of the relationship between Rhodes University and The East Cape Chapter of FOSAF and the way ahead in a transforming society*". Workshop hosted by FOSAF E. Cape Chapter. Rhodes. December 2004.

**Godfrey,B and Britz,PJ**

Godfrey,B and Britz,PJ. "*The Potential for Abalone Reseeding as an Element of an Alternative Coastal Fisheries Management Paradigm*". Regional Capacity Building and Coastal Adaptation Seminar organised by University of Port Elizabeth – University of Washington Partnership Project. University of Port Elizabeth. Port Elizabeth. July 2004.

**Weyl,OLF**

Weyl,OLF. "*Problems and opportunities in the use and control of alien species in transboundary water systems - Asian carps in the Limpopo system*". 13th session of the Committee for Inland Fisheries in Africa (CIFA), Food and Agriculture Organisation of the United Nations (FAO). Entebbe, Uganda. October 2004.

## DISTINGUISHED VISITORS

Dr T Næsje. Norwegian Institute for Nature Research, Norway. Lecture, Collaborative Research. January-December 2004.

Dr P Shaw. Royal Holloway University of London, London, United Kingdom. Collaborative Research. November 2004.

## JOURNAL SUBSIDY UNITS

ICHTHYOLOGY AND FISHERIES SCIENCE	UNITS
<b>Booth,AJ</b>	
Booth,AJ. "Determination of cichlid-specific biological reference points". <i>Fisheries Research</i> . 2004. 67(2),307-316.	1.00
Rutaisire,J and Booth,AJ. "A histological description of ovarian recrudescence in two populations of <i>Labeo victorinus</i> populations". <i>African Journal of Aquatic Science</i> . 2004. 29(2),221-228.	0.50
Rutaisire,J and Booth,AJ. "Induced ovulation, spawning, egg incubation, and hatching of the cyprinid fish <i>Labeo victorinus</i> in captivity". <i>Journal of the World Aquaculture Society</i> . 2004. 35,383-391.	0.50
Rutaisire,J, Booth,AJ, Masembe,C, Nyakaana,S and Muwanika,VB. "Evolution of <i>Labeo victorinus</i> predates the Pleistocene desiccation of Lake Victoria: Evidence from mitochondrial DNA sequence variation". <i>South African Journal of Science</i> . 2004. 100,607-608.	0.20
<b>Booth,AJ and Weyl,OLF</b>	
Booth,AJ and Weyl,OLF. "Investigations into a potential directed fishery for <i>Labeo cylindricus</i> in Lake Chicamba, Mozambique". <i>African Zoology</i> . 2004. 39(1),77-90.	1.00
<b>Brouwer,SL</b>	
Brouwer,SL and Griffiths,MH. "Age and growth of <i>Argyrozona argyrozona</i> (Pisces Sparidae) in a Marine Protected Area: An evaluation of methods based on whole otoliths, sectioned otoliths and mark recapture". <i>Fisheries Research</i> . 2004. 67(1),1-12.	0.50
<b>Davis,JA and Hecht,T</b>	
Davis,JA, Churchill,GJ, Hecht,T and Sorgeloos,P. "Spawning characteristics of the South African mudcrab <i>Scylla serrata</i> (Forsk.) in captivity". <i>Journal of the World Aquaculture Society</i> . 2004. 35(2),121-133.	0.75
<b>Kaiser,H</b>	
Paulet,TG and Kaiser,H. "Formalin-induced shrinkage in preserved goldfish ( <i>Carassius auratus</i> L.) larvae". <i>Journal of Applied Ichthyology</i> . 2004. 20,1-2.	1.00
Vine,NG, Leukes,WD and Kaiser,H. "In vitro growth characteristics of five candidate aquaculture probiotics and two fish pathogens grown in fish intestinal mucus". <i>Fems Microbiology Letters</i> . 2004. 231,145-152.	0.67
<b>Kaiser,H and Britz,PJ</b>	
Simon,CA, Kaiser,H and Britz,PJ. "The infestation of the abalone, <i>Haliotis midae</i> , by the sabellid, <i>Terebrasabella heterouncinata</i> , under intensive culture conditions, and the influence of infestation on abalone growth". <i>Aquaculture</i> . 2004. 232,29-40.	1.00
<b>Kaiser,H and Hecht,T</b>	
Vine,NG, Leukes,WD, Kaiser,H, Daya,S, Baxter,J and Hecht,T. "Competition for attachment of aquaculture candidate probiotic and pathogenic bacteria on fish intestinal mucus". <i>Journal of Fish Diseases</i> . 2004. 27(6),319-326.	0.50
<b>Oosthuizen,A</b>	
Oosthuizen,A. "Economic feasibility of an experimental octopus fishery in South Africa". <i>South African Journal of Science</i> . 2004. 100,595-602.	1.00
Oosthuizen,A, Jiwaji,M and Shaw,P. "Genetic analysis of the <i>Octopus vulgaris</i> population on the coast of South Africa". <i>South African Journal of Science</i> . 2004. 100,603-607.	0.34
<b>Sauer,WHH</b>	
Shaw,PW and Sauer,WHH. "Multiple paternity and complex fertilisation dynamics in the squid <i>Loligo vulgaris reynaudii</i> ". <i>Marine Ecology Progress Series</i> . 2004. 270,173-179.	0.50
<b>Simon,CA</b>	
Simon,CA. "Ultrastructure of oogenesis in the abalone pest, <i>Terebrasabella heterouncinata</i> (Polychaeta: Sabellidae: Sabellinae)". <i>Invertebrate Reproduction and Development</i> . 2004. 46(1),19-26.	1.00

<b>Weyl,OLF</b>	
Weyl,OLF, Mwakiyongo,KR and Mandere,DS. "An assessment of the <i>nkacha</i> net fishery of Lake Malombe, Malawi". <i>African Journal of Aquatic Science</i> . 2004. 29(1),47-55.	0.34
<b>Weyl,OLF and Booth,AJ</b>	
Weyl,OLF, Kazembe,J, Booth,AJ and Mandere,DS. "An assessment of a light-attraction fishery in southern Lake Malawi". <i>African Journal of Aquatic Science</i> . 2004. 29,1-11.	0.50
<b>TOTAL FOR ICHTHYOLOGY AND FISHERIES SCIENCE</b>	<b>11.30</b>

## **INFORMATION SYSTEMS**

A total 37 post-graduate Honours (23), Master's (8) and Doctoral (1) students engaged in a variety of research projects during the year. Additionally, a number of post-graduate students in the Department of Management (Doctoral – 1), Department of Computer Science (Master's – 2) and the Rhodes Investec Business School (RIBS) (Master's – 2) were supervised by members of the Department.

Areas of research included: Information Systems security, website design, e-Marketing, e-Learning, database functionality, multimedia distribution on an intranet, ethics in Information Systems, customer relationship management, mobile commerce, IT career development, alignment of business and IT strategy.

Members of staff and students participated in a number of local and international conferences: South African Institute for Computer Scientists and Information Technologists (SAICSIT-2004), Southern African Computer Lecturers' Association (SACLA-2004) Conference, Building the Information Society – 2004, IBM Academic Days, Microsoft Research Academic Days – Port Elizabeth, e/merge 2004 (virtual conference), 4th International Conference on Advanced Learning Technologies (ICALT – 2004), In Search of a Humanised Globalisation: The Contribution of Spiritually based Social Movements, SAICSIT 2004 Postgraduate Research Symposium.

Mrs Mallinson continued with the open Webinar series held on an ad hoc basis in 2004. The webinars consist of live streamed web seminars (comprising audio, video, slides, shared desk top applications and two way communication) on a variety of eLearning topics presented by experts in the field. Those IT academics and researchers interested in particular topics were invited to attend. The series has been formalised for 2004 and made available via the Hamilton Building facilities to the wider Rhodes Academic community.

<b>Status of Post-Graduate Programme</b>		
<b>Level</b>	<b>Registered (2004)</b>	<b>Expected to Graduate (April, 2004)</b>
Honours	29	29
Master's	8	3
Doctoral	1	0

PROFESSOR J. MCNEILL  
ACTING HEAD OF DEPARTMENT

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

#### **i. Local Conferences (Within South Africa)**

##### **De La Rey, E, Mallinson, BJ and Sunassee, NN**

*De La Rey, E, Mallinson, BJ and Sunassee, NN. Microsoft Research Academic Days – Port Elizabeth. Port Elizabeth. November 2004.*

##### **Freeme, DM**

*De Sousa, SAD and Freeme, DM. "Mobile Commerce Implementation Framework for SME's in South Africa". SAICSIT 2004 Postgraduate Research Symposium. Stellenbosch. October 2004. 70-75.*

##### **Krull, G and Mallinson, BJ**

*Krull, G and Mallinson, BJ. "Workshop on Learning Objects, Metadata and Learning Object Repositories". e/merge 2004 - Blended Collaborative Learning in Southern Africa. Virtual Conference, June/July 2004.*



**Lannon,J**

Lannon,J. "The Determination of Successful Teaching Programs: A Study of Irish and South African Part-Time Undergraduate Information Systems Courses". *Southern African Computer Lecturers' Association (SACLA) 2004 Conference*. Rob Roy Hotel, Botha's Hill, Kwa-Zulu Natal. July 2004.

**Mallinson,BJ and Sewry,DA**

Krull,G, Mallinson,BJ and Sewry,DA. "Learning Object Metadata Application Profiles". *Fulfilling the Promise of IT – SAICSIT 2004*. Stellenbosch. October 2004. 66.

Mallinson,BJ and Sewry,DA. "The Development and Evolution of an IS Honours Module in eLearning". *Southern African Computer Lecturers' Association (SACLA) 2004 Conference*. Rob Roy Hotel, Botha's Hill, Kwa-Zulu Natal. July 2004.

Mercer-Chalmers,J, Goodfellow,CHJ, Mallinson,BJ and Sewry,DA. "eLearning at Bath and Rhodes Universities – a comparative study". *Southern African Computer Lecturers' Association (SACLA) 2004 Conference*. Rob Roy Hotel, Botha's Hill, Kwa-Zulu Natal. July 2004.

**Sewry,DA**

Benyon,R and Sewry,DA. "An Investigation of Service Level Management in the Information and Communication Technology Sector". *SAICSIT 2004 Postgraduate Research Symposium*. Stellenbosch. October 2004. 24-28.

Charlesworth,M and Sewry,DA. "South African IT Industry Professionals' ethical awareness – an exploratory study". *Fulfilling the Promise of IT – SAICSIT 2004*. Stellenbosch. October 2004. 269-273.

Johnston,R and Sewry,DA. "A Model for the Development of Service Agreements in the Information and Communication Technology Sector". *SAICSIT 2004 Postgraduate Research Symposium*. Stellenbosch. October 2004. 5-10.

**Sunassee,NN**

Sunassee,NN and Haumant,V. "The Learning Organisation vs Organisational Learning". *Fulfilling the Promise of IT – SAICSIT 2004*. Stellenbosch. October 2004. 264-268.

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

**ii. International Conferences (Outside South Africa)****Lannon,J**

Lannon,J. "Towards Global Humanisation: Spiritually-based Movements and the Internet". *In Search of a Humanised Globalisation: The Contribution of Spiritually based Social Movements*. Nagoya. Japan. April 2004.

**Mallinson,BJ and Sewry,DA**

Mallinson,BJ and Sewry,DA. "eLearning at Rhodes University – a case study". *Crafting Learning in Context - 4th International Conference on Advanced Learning Technologies (ICALT) 2004*. Joensuu. Finland. August/September 2004. 708-710.

**Palmer,L**

Palmer,L. *Building the Information Society – 2004, IBM Academic Days*. Paris. France. May 2004.

**DISTINGUISHED VISITORS**

Professor M Sainsbury. U.T.I. Domestic Group, Johannesburg. Visiting Professor. September 2004.

**JOURNAL SUBSIDY UNITS**

INFORMATION SYSTEMS	UNITS
TOTAL FOR INFORMATION SYSTEMS	0.00

## INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH

### Quality of Life Program

During 2004 six research projects were ran under the Quality of Life Program under the leadership of Professor Valerie Møller. Professor Møller also presented at the opening plenary session at the international conference on Social Indicator Trends in Africa held during November in Philadelphia Pennsylvania, USA. During the conference she was made President-Elect of the International Society for Quality of Life Studies, a position that she will hold from 2006-2008. Professor Møller will be hosting the next ISQOLS conference in Grahamstown in July 2006.

### People Program (Program for the Empowerment of People, Land and the Environment)

During 2004 six research projects were running under the PEOPLE Program under the leadership of Herman Timmermans and Michelle Cocks.

Herman Timmermans travelled to Ghana and Mozambique to undertake environmental impact studies as part of the Formative Monitoring and Evaluation of IBIS' Regional Environmental Program. He has also initiated and received funding for two new research projects under the PEOPLE program which are to be based in the Eastern Cape and neighbouring provinces of Mpumalanga and Kwa-Zulu Natal. The projects aim to evaluate the contribution of government poverty alleviation to rural development.

Michelle Cocks presented a paper at the 9<sup>th</sup> International Congress of Ethnobiology at the University of Kent, Canterbury, United Kingdom and she has developed her current research focus on Bio-Cultural Diversity by writing up the results of her field work as a series of five peer reviewed articles.

MS. M. COCKS

ACTING DIRECTOR

## BOOKS/CHAPTERS/MONOGRAPHS

### Cocks,ML

Cocks,ML and Dold,AP. "The informal trade of *Cassipourea flanaganii* as a cosmetic in South Africa". In: Sunderland,T and Ndoye, O. (eds) Forest products, Livelihoods and Conservation: Case studies of NTFP systems. Indonesia Press. Indonesia. 2004. 2, 73-90.

Cocks,ML and Dold,AP. "UmMemezi cosmetic bark". In: Lopez,C and Shanley, P. (eds) Riches of the Forest: For health life and spirit in Africa. Center for International Forestry Research. Jakarta. 2004. 37-40.

Cocks,ML, Dold,AP and Grundy,IM. "The trade in medicinal plants from forests in the Eastern Cape Province". In: Lawes,M, Eeley,H, Schackleton,C and Geach, B. (eds) Indigenous Forests and Woodlands: Policy, people and practice. University of KwaZulu-Natal Press. Scottsville . 2004. 1, 473-492.

White,RM, Cocks,ML, Herbert,DG and Hamer,ML. "Traditional medicine: The use of products from forest-dwelling animals in southern Africa". In: Lawes,M, Eeley,H, Schackleton,C and Geach, B. (eds) The Use and Socio-Economic Value of Indigenous Forest and Woodland Resources in South Africa. University of KwaZulu-Natal Press. Scottsville. 2004. (1), 474-477.

### Moller,V

Moller,V. "Peaceful co-existence in South Africa in the millennium: A review of social indicators in the 2002 democracy study". In: Letters from Byblos No 4, International Centre for Human Sciences. International Centre For Human Sciences. Byblos. 2004.

Moller,V and Seti,S. "Gardening is our life' : Food gardens and quality of life in Grahamstown East". In: Research Report Series No. 10. Rhodes University. Grahamstown. 2004.

**Moller,V**

Moller,V. "Quality of Life in a Divided Society". *Challenges for Quality of Life in the Contemporary World*. Social Indicator Research Series. International Society for Quality of Life Studies. Johann Wolfgang Goethe-university, Frankfurt am Main. 2004. 297-310.

**PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER****Cocks,ML**

Cocks,ML and Dold,AP. "A new Broom sweeps clean: The economic and cultural value of grass brooms in the Eastern Cape Province South Africa". *Forests, Trees and Livelihoods*. 2004. 13,33-42.

**Moller,V**

Moller,V. "Living with Crime: Does it affect victims' perceived quality of life?". *SA Crime Quarterly, Institute for Security Studies*. 2004. 9,25-30.

**OTHER PUBLICATIONS****Cocks,M**

Dold,AP and Cocks,M. "Cultivating for health and wealth". *Quest. Academy of Science of SA*. Melville. 2004. 1(-2), 16-17.

Dold,AP, Cocks,M and Sizane,N. "A new Broom". *Veld & Flora*. Botanical Society SA. Cape Town. 2004. 90(4), 158-161.

**Cocks,ML**

Cocks,ML, Dold,AP and Grundy,I. "Challenges facing a community structure to implement CBNRM in the Eastern Cape South Africa". *African Studies Quarterly*. 2004. 5(3).

Dold,AP and Cocks,ML. "The rape continues (*Hypoxis hemerocallidea*)". Clippings of the Albany Branch of the Botanical Society of South Africa. Botanical Society Grahamstown Branch. Grahamstown. 2004. (Occasional Publication).

**Timmermans,HG, Nongwe,N and Hamer,N**

Palmer,RCG, Shackleton,CM, Timmermans,HG, Nongwe,N and Hamer,N. "Direct-use values of non-timber forest products at Ntubeni and Cwebe on the Transkei Wild Coast". *ISER Research Report Series No:12*. ISER. Grahamstown. 2004. 1-36.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****i. Local Conferences (Within South Africa)****Cocks,ML**

Cocks,ML and Dold,AP. "The significance of plant species diversity to rural household livelihoods and cultural diversity in the Peddie District Eastern Cape Province". *Thicket Forum*. Zuurborg Mountain Inn, Addo. May 2004.

Pote,J, Cocks,ML, Dold,AP, Lubke,RA and Shackleton,CM. "The homegarden cultivation of indigenous Amayezas in the Eastern Cape". *Indigenous Plant Use Forum: Indigenous Knowledge Systems and Intellectual Property Rights*. Augsberg Agricultural School, Clanwilliam. July 2004.

**Moller,V**

Moller,V. *Dissemination workshop on Social Pensions and Poverty Alleviation*. Rhodes University, Grahamstown. February 2004.

Moller,V. "Quality of Life in South Africa: How well are we doing?". *2nd South African Work Wellness Conference*. North-West University, Potchefstroom. March 2004.

*Moller, V. Roving Conference on Social Indicators and Quality of Life Studies.* University of Cape Town, Cape Town. June 2004.

*Moller, V. Roving Conference on Social Indicators and Quality of Life Studies.* Rhodes University, Grahamstown. June 2004.

*Moller, V. Roving Conference on Social Indicators and Quality of Life Studies.* WITS University, Pretoria. June 2004.

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

### **ii. International Conferences (Outside South Africa)**

#### **Cocks, ML**

*Cocks, ML and Dold, AP.* "A new broom sweeps clean: The economic and cultural value of grass brooms in the Eastern Cape Province, South Africa". *9th International Congress of Ethnobiology.* Department of Anthropology, University of Kent, Canterbury. United Kingdom. June 2004.

*Moller, V.* "Researching Quality of Life in a Developing Country: Lessons from the South African case". *International Workshop on Researching Well-being in Developing Countries.* Hanse Institute for Advanced Study, Delmenhorst, Bremen. Germany. July 2004.

*Moller, V.* "Major Quality of Life Issues Confronting Africa in Turbulent Times". *6th Conference of the International Society for Quality of Life Studies.* Philadelphia, Pennsylvania. United States of America. November 2004.

*Moller, V.* "Concern for Safety and the International Wellbeing Index". *6th Conference of the International Society for Quality of Life Studies.* Philadelphia, Pennsylvania. United States of America. November 2004.

## **DISTINGUISHED VISITORS**

Professor S Bekker. Sociology Department, University of Stellenbosch, Stellenbosch. Seminar. August 2004.

Professor B Davies. Eastern Cape Department of Economic Affairs. Seminar. October 2004.

Dr L Gavin. Statistics South Africa, Johannesburg. Seminar. April 2004.

Professor A Michalos. Royal Society of Canada, Canada. Keynote speaker at ISER's Roving Social Indicators & Quality of Life conference. June 2004.

Dr M Noble. Centre for the Analysis of South African Social Policy, University of Oxford, United Kingdom. Research Exchange. May 2004.

Professor J. Saboia. Institute of Economics Federal University of Rio de Janeiro, Rio de Janeiro, Brazil. Seminar. February 2004.

Dr K.F Wiersum. Forest Policy and Nature Conservation Policy group, Wageningen The Netherlands. Collaborator on a SANPAD project. August -September 2004.

Dr G Wright. Centre for the Analysis of South African Social Policy, University of Oxford, United Kingdom. Research Exchange. May 2004.

## **JOURNAL SUBSIDY UNITS**

<b>INSTITUTE FOR SOCIAL AND ECONOMIC RESEARCH</b>	<b>UNITS</b>
<b>TOTAL FOR INSTITUTE FOR SOCIAL AND ECONOMIC RESEARCH</b>	<b>0.00</b>

## INSTITUTE FOR THE STUDY OF ENGLISH IN AFRICA

The Director, Professor Laurence Wright, launched 'The Southern Hemisphere Spread of Shakespeare', an international collaborative research and publication programme which sets out to document and analyse the impact of Shakespeare over two centuries in Australia, New Zealand and South Africa. More than thirty scholars are participating. He has to date contributed an overview of South African Shakespeare for an e-book, *Shakespeare Around the Globe*, published by the University of Victoria; an archive of production materials documenting Yael Farber's 2001 production, *SeZaR*; and a review article entitled 'Apartheid Shakespeare on Trial' to the publishing programme.

In language policy research, the Director contributed by invitation a piece on 'Language and Value: Towards accepting a richer language ecology for South Africa' to the journal *Language Problems and Language Planning*, in a special issue focused on South Africa.

He also published a special issue of *English in Africa* devoted to his research into the Eastern Cape writer R.L. Peteni, which includes Peteni's own reflections on his well-known novel, *Hill of Fools* (1976), plus analyses of the political, social, and publishing background to this work.

Alan Macintosh Research Fellow Margie Probyn's field work is now substantially complete. Funding was obtained from the NRF in July 2003 for research into teachers' classroom practice when teaching science through the medium of English as an additional language. The fieldwork was conducted in seven rural schools in the Butterworth and Lady Frere districts and at three township schools in Mdantsane in the East London district. Five consecutive lessons for each teacher were videotaped and the teachers interviewed, using the videotapes for stimulated recall. The lessons are being transcribed and will be analysed using VPrism software.

Cossie Rasana is in the process of publishing papers based on her M.Ed dissertation, incorporating additional research into library provision and usage in Grahamstown township schools. In the longer term, she will be pursuing doctoral research into the achieved reading levels of Grade 10 learners in some Grahamstown schools for her Ph.D studies at Macquarie University in Sydney.

Monica Hendricks is completing doctoral research into how children learn to write in additional languages (Afrikaans, English and isiXhosa) in primary school. Her provisional thesis title is, 'The Rites of Writing: Factors which enable the acquisition of written competence in additional language(s).'

Research Associate Chris Mann spent considerable time researching the natural sciences and astronomy. This led to the preparation of a new book of animal poems, to be published by the University of KwaZulu Natal Press in 2005, and a play-in-verse called *Walking on Gravity*. The play was performed at the 2004 National Arts Festival and a CD of the text incorporating the images was published by Grahamstown Cathedral.

In addition, the Chris Mann's play *Thuthula* was prepared for publication by Ad. Donker and will be forthcoming in 2005. The play and the introduction by Laurence Wright required considerable reading in nineteenth century South African history, Xhosa literature and anthropology.

PROFESSOR L.S. WRIGHT  
DIRECTOR

## BOOKS/CHAPTERS/MONOGRAPHS

### **Berold,R**

*Berold,R, Muller,WJ and Palmer,CG.* (eds). Environmental Water Quality in Water Resources Management. WRC. Pretoria. 2004. 139 pp.

### **Wright,LS**

*Wright,LS.* "A South African Take on Bra Shake: An Archive of Performance Materials from Yael Farber's *SeZaR* (2001)". In: Best, MR. (eds) *Shakespeare Around the Globe*. 2004. online, 1-22.

Wright,LS. "From Farce to Shakespeare: Shakespeare on the South African Stage". In: Best, MR. (eds) Shakespeare Around the Globe. 2004. online, 1-32.

#### **PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**

##### **Hendricks,MG**

Hendricks,MG. "Literacy and Social Justice". *Education as Change*. 2004. 8(1),109-145.

##### **Mann,CM**

Mann,CM. "Weaver-birds and lilies". *English Academy Review*. 2003. 20(December),183.

Mann,CM. "Faces in Grahamstown Cathedral". *English Academy Review*. 2003. 20(December),184.

Mann,CM. "Ideas of Modernity in Singapore". *English Academy Review*. 2003. 20(December),184-186.

Mann,CM. "Night-flying". *New Contrast*. 2004. 32(1),15.

Mann,CM. "St Elmo's Fire". *New Contrast*. 2004. 32(1),16.

Mann,CM. "Madonna and Child with Oranges". *New Contrast*. 2004. 32(1),17.

Mann,CM. "The Bronzes on the Pier". *New Contrast*. 2004. 32(1),18.

Mann,CM. "The Road to Emmaus". *New Contrast*. 2004. 32(1),18-19.

Mann,CM. "Blesbuck". *Scrutiny 2*. 2004. 9(1),100.

Mann,CM. "Dragonfly". *Scrutiny 2*. 2004. 9(1),101.

Mann,CM. "Finches". *Scrutiny 2*. 2004. 9(1),99.

##### **Probyn,MJ**

Probyn,MJ. "Making sense of science through two languages: A South Africa case study". *School Science Review*. 2004. 86(September),49-59.

##### **Wright,LS**

Wright,LS. "The Early Reception of *Hill of Fools*". *English in Africa*. 2004. 31(2),101-118.

Wright,LS. "*Hill of Fools*: Notes Towards a Publishing History". *English in Africa*. 2004. 31(2),43-54.

Wright,LS. "Politics, Latent and Overt, in *Hill of Fools*". *English in Africa*. 2004. 31(2),55-72.

Wright,LS. "An Introduction: Peteni in Context". *English in Africa*. 2004. 31(2),7-24.

Wright,LS. "*Hill of Fools*: A South African *Romeo and Juliet*?" *English in Africa*. 2004. 31(2),73-88.

Wright,LS. "Language and Value: Towards accepting a richer language ecology for South Africa". *Language Problems and Language Planning*. 2004. 28(2),175-197.

Wright,LS. "Shakespeare in South Africa: 'Alpha and Omega'". *Postcolonial Studies*. 2004. 7(1),63-81.

Wright,LS. "Apartheid Shakespeare on Trial: Rohan Quince. *Shakespeare in South Africa: Stage Productions during the Apartheid Era*". *Shakespeare in Southern Africa*. 2003. 15,83-91.

## OTHER PUBLICATIONS

### ISEA

*ISEA*. Slinger, H. (eds) *Aerial*. ISEA. Grahamstown. 2004. 1-72.

*ISEA*. Mackenzie, C. (eds) *English in Africa*. ISEA. Grahamstown. 2003. 30(2), 1-126.

*ISEA*. Mackenzie, C. (eds) *English in Africa*. ISEA. Grahamstown. 2004. 31(1), 1-171.

*ISEA*. Mackenzie, C. (eds) *English in Africa*. ISEA. Grahamstown. 2004. 31(2), 1.

*ISEA*. Finlay, A. (eds) *New Coin Poetry*. ISEA. Grahamstown. 2004. 40(1), 1-94.

*ISEA*. Pearce, B. (eds) *Shakespeare in Southern Africa*. ISEA. Grahamstown. 2003. 15, 1-132.

*ISEA*. Slinger, H. (eds) *Shakespeare Society of Southern Africa Newsletter incorporating Occasional Papers & Reviews*. ISEA. Grahamstown. 2004. December, 1-24.

*ISEA*. Renard, A. (eds) *Still No Man's Land*. ISEA. Grahamstown. 2004. 1-60.

### Mann, CM

*Mann, CM*. "Crossing Over". *Mail & Guardian*. Johannesburg. 2004. 27 February to 4 March, 30.

*Mann, CM*. "Crossing Over". *Grocott's Mail*. Grahamstown. 2004. 27-February, 8.

*Mann, CM*. "The Shades of Former Lovers". Anderson, PR. (eds) *In the Country of the Heart*. Bellevue. Jacana. 2004. 120.

*Mann, CM*. "Two Words of Wisdom". Anderson, PR. (eds) *In the Country of the Heart*. Bellevue. Jacana. 2004. 40-41.

*Mann, CM*. "The Growth of the Dove". Anderson, PR. (eds) *In the Country of the Heart*. Bellevue. Jacana. 2004. 78-79.

*Mann, CM*. "True Love". Anderson, PR. (eds) *In the Country of the Heart*. Bellevue. Jacana. 2004. 80.

*Mann, CM*. "The Resilience of the word: Wordfest 2003". Finlay, A. (eds) *New Coin*. ISEA. Grahamstown. 2003. 39(2), 89-95.

*Mann, CM*. "Wording the Gap". *Oxford Today*. Oxford University. Oxford. 2004. 17(1), 27.

*Mann, CM*. "A Field in Italy". Centinaro, A. (eds) *Poesia Festival Internazionale Montecantini*. Terme. Montecantini. 2004. 76.

*Mann, CM*. "Un campo italiano". Centinaro, A. (eds) *Poesia Festival Internazionale Montecantini*. Terme. Montecantini. 2004. 77.

*Mann, CM*. "Seahorse". Rhodos. Rhodes University. Grahamstown. 2004. 10-September, 8.

*Mann, CM*. "Ideas of Modernity in Singapore". Rhodos. Rhodes University. Grahamstown. 2004. 27-February, 8.

*Mann, CM*. "Engaging the Cosmic Dust, the Shades and the Poetry of the Self". Thumboo, E. (eds) *The Arts Biannual*. National University of Singapore. Singapore. 2004. 1-6.

*Mann, CM*. "The Comrades Marathon". Wynne, C. (eds) *The Comrades Marathon: Souvenir Booklet*. Comrades Marathon Association. Pietermaritzburg. 2004. 24-25.

Mann,CM. "The Reverence of Ordinary Things". Mann, CM. (eds) The Reverence of Ordinary Things. Grahamstown Cathedral. Grahamstown. 2004. 1-20.

Mann,CM. "Bees and the Provenance of Science". The Spire. Grahamstown Cathedral. Grahamstown. 2004. 13-March, 13.

Mann,CM. "St Elmo's Fire". The Spire. Grahamstown Cathedral. Grahamstown. 2004. March, 14.

Mann,CM. "The Whirlwind of Politics". This Day (Review of the Arts). This Day. Johannesburg. 2004. 16-January, 2.

Mann,CM. "Walking on Gravity". Mann, CM. (eds) Walking on Gravity (Play). Grahamstown Cathedral. Grahamstown. 2004. 1-60.

### **Slinger,H**

Slinger,H. "Review of The Tempest at Kingswood College directed by George Niven". Slinger, H. (eds) Shakespeare Society of Southern Africa Newsletter incorporating Occasional Papers & Reviews. ISEA. Grahamstown. 2004. December, 17-18.

### **Wright,LS**

Wright,LS. "Laurence Wright speaks his mind: 'Working to Build South Africa's Languages'". PanSALB News. PanSALB. Pretoria. 2004. Dec 2003-March 2004, 10-11.

Wright,LS. "Obituary: J.L. Styan". Pearce, B. (eds) Shakespeare in Southern Africa. ISEA. Grahamstown. 2003. 15.

Wright,LS. "Top Bard in India.' Review of Lipika Sidkar, *Shakespeare in the Media: Newspaper Response to Shakespeare in Post-Independence West Bengal, 1948-97*". Pearce, B. (eds) Shakespeare in Southern Africa. ISEA. Grahamstown. 2003. 15, 111-114.

Wright,LS. "SSOSA gears up to celebrate 20 years". Slinger, H. (eds) Shakespeare Society of Southern Africa Newsletter incorporating Occasional Papers & Reviews. ISEA. Grahamstown. 2004. December, 1-2.

Wright,LS. "Review of *Blood will have Blood: Macbeth Revealed*". Slinger, H. (eds) Shakespeare Society of Southern Africa Newsletter incorporating Occasional Papers & Reviews. ISEA. Grahamstown. 2004. December, 19-20.

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

### **i. Local Conferences (Within South Africa)**

#### **Hendricks,MG**

Hendricks,MG. "Literacy and Social Justice". *Seminar Series in the Sociology Department of the Rand Afrikaans University*. Johannesburg. March 2004.

Hendricks,MG. "Revised version of Literacy, Multiliteracy and Social Justice: Case studies from Eastern Cape Primary Schools". *Spencer Colloquium*. School of Education, University of the Witwatersrand, Johannesburg. August 2004.

#### **Mann,CM**

Mann,CM. "Dycyodont". *Geoscience 2004 Conference*. University of the Witwatersrand, Johannesburg. July 2004.

#### **Wright,LS**

Wright,LS. "Language as a 'resource' in South Africa: The economic life of language in a globalising society". *Proceedings of the 14th International English Academy Conference Mother tongue, Other tongue? Law, Learning and Literature*. University of Pretoria, Pretoria. 2004. 44-61.

Wright,LS. "Exploring 'social motivation' in language planning: Distinguishing natural' and 'coercive' interventions". *English Language & Linguistics Research Group*. Rhodes University, Grahamstown. June 2004.



Wright,LS. "Language and Value: Towards accepting a richer language ecology or South Africa". *21st World Congress of the Federation of Modern Language Associations*. Rand Afrikaans University, Johannesburg. July 2004.

Wright,LS. "The Relevance of (South African) Renaissance Studies". *First Wits Renaissance Colloquium*. University of the Witwatersrand, Johannesburg. October 2004.

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

### **ii. International Conferences (Outside South Africa)**

#### **Hendricks,MG**

Hendricks,MG. "Literacy, Multiliteracy and Social Justice: Case studies from Eastern Cape Primary Schools". *11th International Literacy & Education Research Network Conference on Learning*. Cojimar Pedagogical Convention Centre, Havana. Cuba. June 2004.

## **CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.**

#### **Mann,CM**

Mann,CM. Performer. *"Walking on Gravity"*. National Arts Festival. Grahamstown Cathedral. Grahamstown. July 2004.

Mann,CM. Performer. *"Heartlands"*. Nelson Mandela Metropolitan University. Port Elizabeth. 2004.

Mann,CM. Performer. *"Selection of Poems"*. La festival Intermazionale. Montecatini, Italy. 2004.

Mann,CM. Performer. *"The Horn of Plenty"*. Rhodes Colloquium on Literature and Ecology. Rhodes University. Grahamstown. 2004.

Mann,CM. Performer. *"The Reverence of Ordinary Things"*. Community of the Resurrection. Community of the Resurrection. Grahamstown. 2004.

Mann,CM. Performer. *"Heartlands"*. Rhodes Theatre. Grahamstown. 2004.

Mann,CM. Performer. *"Selection of Poems"*. Nieu Bethesda Theatre. Nieu Bethesda. 2004.

Mann,CM. Performer. *"The Man on the Gadarene Heights"*. Christians at Rhodes. Rhodes Chapel. Grahamstown. 2004.

## **DISTINGUISHED VISITORS**

Ms N Jajula. MEC for Sport, Arts & Culture of the E. Cape. Open Eastern Cape Wordfest. June 2004.

Mr ZAKES Mda. Author. Keynote Lecturer at Wordfest. July 2004.

Professor BB Mkonto. Author. Lecture at Eastern Cape Wordfest. June-July 2004.

Mr G Mona. Department of Sport, Arts & Culture. Attend opening of Eastern Cape Wordfest. June-July 2004.

# JOURNAL SUBSIDY UNITS

INSTITUTE FOR THE STUDY OF ENGLISH IN AFRICA	UNITS
<b>Hendricks, MG</b>	
<i>Hendricks, MG. "Literacy and Social Justice". Education as Change. 2004. 8(1),109-145.</i>	1.00
<b>Mann, CM</b>	
<i>Mann, CM. "Weaver-birds and lilies". English Academy Review. 2003. 20(December),183.</i>	1.00
<i>Mann, CM. "Ideas of Modernity in Singapore". English Academy Review. 2003. 20(December),184-186.</i>	1.00
<i>Mann, CM. "Faces in Grahamstown Cathedral". English Academy Review. 2003. 20(December),184.</i>	1.00
<i>Mann, CM. "Blesbuck". Scrutiny 2. 2004. 9(1),100.</i>	1.00
<i>Mann, CM. "Dragonfly". Scrutiny 2. 2004. 9(1),101.</i>	1.00
<i>Mann, CM. "Finches". Scrutiny 2. 2004. 9(1),99.</i>	1.00
<b>Wright, LS</b>	
<i>Wright, LS. "The Early Reception of Hill of Fools". English in Africa. 2004. 31(2),101-118.</i>	1.00
<i>Wright, LS. "Hill of Fools: Notes Towards a Publishing History". English in Africa. 2004. 31(2),43-54.</i>	1.00
<i>Wright, LS. "Politics, Latent and Overt, in Hill of Fools". English in Africa. 2004. 31(2),55-72.</i>	1.00
<i>Wright, LS. "An Introduction: Peteni in Context". English in Africa. 2004. 31(2),7-24.</i>	1.00
<i>Wright, LS. "Hill of Fools: A South African Romeo and Juliet?". English in Africa. 2004. 31(2),73-88.</i>	1.00
<i>Wright, LS. "Language and Value: Towards accepting a richer language ecology for South Africa". Language Problems and Language Planning. 2004. 28(2),175-197.</i>	1.00
<i>Wright, LS. "Shakespeare in South Africa: 'Alpha and Omega'". Postcolonial Studies. 2004. 7(1),63-81.</i>	1.00
<i>Wright, LS. "Apartheid Shakespeare on Trial: Rohan Quince. Shakespeare in South Africa: Stage Productions during the Apartheid Era". Shakespeare in Southern Africa. 2003. 15,83-91.</i>	1.00
<b>TOTAL FOR INSTITUTE FOR THE STUDY OF ENGLISH IN AFRICA</b>	<b>15.00</b>

## **INSTITUTE FOR WATER RESEARCH**

During 2004 the Institute staff contributed to 8 papers in international journals, with several more in press. More than 20 research or consultancy reports were produced, as well as a number of paper presentations at local and international conferences.

### **Hydrology Group**

The hydrology group focus has remained on water resource estimation in the SADC region, the development and application of methods for applying RDM policy associated with environmental flow requirements and the on-going development of the SPATSIM software. The main focus of water resource modelling has been on developing a model for the Okavango basin as part of two EU funded projects. During 2004, the WRC project on the development of a computer based decision support system for quantifying the components of the ecological Reserve was completed. This project was the main platform for the development of a range of analysis and estimation methods to support ecological Reserve determinations, all of which have been integrated into the SPATSIM system.

### **Ecology Group**

The ecology group focussed on the application of the Flow-Stressor Response approach to determining the ecological Reserve for rivers. Professor Jay O'Keeffe was awarded the SASAQS Gold Medal during 2004, but has now moved to a Professorial appointment at the University of Delft, Netherlands.

### **Wetlands Group**

The "Inventory of the wetlands in eight selected Eastern Cape catchments" was completed and distributed to relevant government departments, municipalities and conservation bodies in July 2004. This report consists of eight sections each containing a catchment description, wetland location maps, as well as a GIS database. During the course of the investigation 23562 hectares were investigated and 580 wetlands recorded. Floodplains and seeps represent the largest category of wetlands. The report includes a preliminary assessment of the identified wetlands and management recommendations in terms of conservation and rehabilitation.

### **Unilever Centre for Environmental Water Quality**

During 2004 UCEWQ published the "Environmental Water Quality in Water Resources Management" handbook. This technical handbook is the product of the realisation that an integrated approach provides the best solution for managing environmental water quality. The approach has been well received by water managers and regulators and forms the basis not only for graduate teaching but for a professional short course offered by UCEWQ staff as well. Publication of the UCEWQ toxicology database will contribute significantly to the development of water quality guidelines for salinity in South Africa, particularly because the database contains data for many indigenous invertebrate species and is the only one of its kind in South Africa.

### **Postgraduate students**

#### *Expected to graduate in 2005*

Patrick Valimba: PhD (Rainfall variability in southern Africa, its influences on streamflow variations and its relationships to climatic variations). The thesis has been accepted and the corrected document is about to be submitted.

Elenestina Mwela: MSc (The application of the monthly time step Pitman rainfall-runoff model to the Kafue River basin of Zambia). The thesis is with the examiners.

Andrew Slaughter: MSc (The contribution of chronic toxicity data for indigenous aquatic macroinvertebrates to the development of protective salinity guidelines for South African freshwater resources). The thesis is with the examiners.

Nhlanhla Mbatha: MA (Defining relationships between individual environmental economic values, property rights and participation trends for integrated water resource management: Kat River case study). The thesis is with the examiners.

#### *Registered in 2005*

Marius Claassen: PhD (The development and application of ecological risk assessment in South African water resource management). Examination in process.

Irene Naigaga: PhD (co-supervisor) (Use of bioindicators and biomarkers to assess aquatic environmental contamination in selected wetlands receiving urban runoff).

Andrew Gordon: PhD (Investigating the potential of chemical biomarkers for determining chronic effects of linear alkylbenzene sulphonate (LAS) on an indigenous invertebrate).

Debbie Hogan: MSc (An assessment of the reliability of design flood estimates generated using two standard engineering approaches). Registration suspended for 2004.

Mashudu Murovhi: MSc ( Development and assessment of a water resource database and appropriate analysis and management tools for the Eastern Cape Province). First registered in 2005.

Samantha Browne: MSc (Salinity tolerances of selected South African freshwater macroinvertebrates). Thesis in preparation.

Nosiphiwo Ketse: MSc (Embryonic development of the freshwater shrimp *Caridina nilotica* and the effect after exposure to reference toxicants).

Sekhonyana Lerotholi: MSc (The role of salinity as an abiotic driver of ecological condition in a semi-arid agricultural catchment). Thesis in preparation.

Pumza Maseti: MSc (Evaluating the usefulness of three biomonitoring indices in two contrasting catchments of the Eastern Cape). Thesis in preparation.

Babalwa Zani: MSc (application pending)

Naomi Richardson: MSc (application pending; co-supervisor)

PROFESSOR D.HUGHES  
ACTING DIRECTOR

## **BOOKS/CHAPTERS/MONOGRAPHS**

### **Allanson,B**

*Allanson,B*. "Limnology in South Africa: Past Present Status and Future Needs". In: Gopal,B and Wetzel, RG. (eds) *Limnology in Developing Countries*. International Scientific Publications. New Delhi, India. 2004. 4, 1-116.

### **Illgner,PM**

*Nel,EL and Illgner,PM*. "The contribution of bees to livelihoods in southern Africa". In: Fabricus,C, Kock,E, Magome,H and Turner, S. (eds) *Earthscan*. London. 2004. 127-134.

### **Muller,WJ and Palmer,CG**

*Berold,R, Muller,WJ and Palmer,CG* . (eds) . *Environmental Water Quality in Water Resources Management*. WRC. Pretoria. 2004. 139 pp.

## **PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**

### **Barnes,RSK**

*Barnes,RSK*. "The distribution and habitat in the Knysna Estuary of the endemic South African mudsnail *Hydrobia knysnaensis* and the influence of intraspecific competition and ambient salinity on its abundance". *African Journal of Aquatic Science*. 2004. 29(2),205-211.

### **Hughes,DA**

*Hughes,DA*. "Incorporating ground water recharge and discharge functions into a existing monthly rainfall-runoff model". *Hydrological Sciences Journal*. 2004. 49(2),297-311.

Hughes,DA. "Three decades of hydrological modelling research in South Africa". *South African Journal of Science*. 2004. 100,638-642.

Hughes,DA. "Problems of estimating hydrological characteristics for small catchments based on information from the SA national surface water resource database". *Water SA*. 2004. 30(3),393-398.

Andersson,L, Gumbricht,T, Hughes,DA, Kniveton,D, Ringrose,S, Savejie,H, Todd,M, Wilk,J and Wolski,P. "Water flow dynamics in the Okavango River Basin and Delta - a pre requisite for the ecosystems of the Delta". *Physics and Chemistry of the Earth*. 2003. 28,1165-1172.

Hughes,DA, Ashton,P, Gorgens,A, Jewitt,G, Schulze,R, Smithers,J, Pegram,G and Dube,R. "South African research in the hydrological sciences:1999-2002". *South African Journal of Science*. 2003. 99,394-397.

#### **Palmer,CG**

Kefford,BJ, Dalton,A, Palmer,CG and Nugegoda,D. "The salinity tolerance of eggs and hatchlings of elected aquatic macroinvertebrates in SE Australia and South Africa". *Hydrobiologia*. 2004. 517,179-192.

#### **Palmer,CG, Muller,WJ, Gordon,AK, Davies-Coleman,HD and de Kock,E**

Palmer,CG, Muller,WJ, Gordon,AK, Scherman,P-A, Davies-Coleman,HD, Pakhomova,L and de Kock,E. "The development of a toxicity database using freshwater macro- invertebrates, and its application to the protection of South African water resources". *South African Journal of Science*. 2004. 100,643-650.

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

#### **i. Local Conferences (Within South Africa)**

##### **Davies-Coleman,HD and Palmer,CG**

Davies-Coleman,HD and Palmer,CG. "The use of a freshwater mollusc *Birnapia stenochorias* (Ancylidae) as an ecotoxicological indicator in whole effluent". *Annual Conference of the Toxicology Society of South Africa*. Cape Town. 2004.

Davies-Coleman,HD and Palmer,CG. "The use of a freshwater mollusc *Birnapia stenochorias* (Ancylidae) as an ecotoxicological indicator in whole effluent toxicity testing". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004. CD-ROM. 309-315.

##### **Gordon,AK, Muller,WJ and Palmer,CG**

Gordon,AK, Muller,WJ and Palmer,CG. "A preliminary investigation of the effects of instream laundry washing on macroinvertebrates in small Eastern Cape streams". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004.

##### **Muller,WJ and Palmer,CG**

Muller,WJ and Palmer,CG. "Acute toxicity testing in managing complex effluent discharge: A tiered approach to environmental water quality management". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004. 316-321.

##### **Palmer,CG, Muller,WJ and Davies-Coleman,HD**

Palmer,CG, Muller,WJ and Davies-Coleman,HD. "Applied Environmental Water Quality". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004. CD-ROM. 273-279.

##### **Slaughter,AR, Palmer,CG and Muller,WJ**

Slaughter,AR, Palmer,CG and Muller,WJ. "The refinement of protective salinity guidelines for South African freshwater resources". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004. 330-333.

**Williams,ML, Palmer,CG and Gordon,AK**

Williams,ML, Palmer,CG and Gordon,AK. "South African Riverine macroinvertebrate responses to chlorine and chlorinated sewage effluents: An overview". *WISA Biennial Conference*. International Convention Centre, Cape Town. May 2004. 322-329.

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

**ii. International Conferences (Outside South Africa)**

**Hughes,DA**

Hughes,DA. "Implementation of environmental flow requirements (EWR) in South Africa". *British Hydrological Society International Conference*. Imperial College, London. UK. July 2004.

**JOURNAL SUBSIDY UNITS**

<b>INSTITUTE FOR WATER RESEARCH</b>	<b>UNITS</b>
<b>Barnes,RSK</b>	
Barnes,RSK. "The distribution and habitat in the Knysna Estuary of the endemic South African mudsnail <i>Hydrobia knysnaensis</i> and the influence of intraspecific completion and ambient salinity on its abundance". <i>African Journal of Aquatic Science</i> . 2004. 29(2),205-211.	0.50
<b>Hughes,DA</b>	
Hughes,DA. "Incorporating ground water recharge and discharge functions into a existing monthly rainfall-runoff model". <i>Hydrological Sciences Journal</i> . 2004. 49(2),297-311.	1.00
Hughes,DA. "Three decades of hydrological modelling research in South Africa". <i>South African Journal of Science</i> . 2004. 100,638-642.	1.00
Hughes,DA. "Problems of estimating hydrological characteristics for small catchments based on information from the SA national surface water resource database". <i>Water SA</i> . 2004. 30(3),393-398.	1.00
Andersson,L, Gumbricht,T, Hughes,DA, Kniveton,D, Ringrose,S, Savejie,H, Todd,M, Wilk,J and Wolski,P. "Water flow dynamics in the Okavango River Basin and Delta - a pre requisite for the ecosystems of the Delta". <i>Physics and Chemistry of the Earth</i> . 2003. 28,1165-1172.	0.11
Hughes,DA, Ashton,P, Gorgens,A, Jewitt,G, Schulze,R, Smithers,J, Pegram,G and Dube,R. "South African research in the hydrological sciences:1999-2002". <i>South African Journal of Science</i> . 2003. 99,394-397.	0.13
<b>Palmer,CG</b>	
Kefford,BJ, Dalton,A, Palmer,CG and Nugegoda,D. "The salinity tolerance of eggs and hatchlings of elected aquatic macroinvertebrates in SE Australia and South Africa". <i>Hydrobiologia</i> . 2004. 517,179-192.	0.25
<b>Palmer,CG, Muller,WJ, Gordon,AK, Davies-Coleman,HD and de Kock,E</b>	
Palmer,CG, Muller,WJ, Gordon,AK, Scherman,P-A, Davies-Coleman,HD, Pakhomova,L and de Kock,E. "The development of a toxicity database using freshwater macro- invertebrates, and its application to the protection of South African water resources". <i>South African Journal of Science</i> . 2004. 100,643-650.	0.71
<b>TOTAL FOR INSTITUTE FOR WATER RESEARCH</b>	<b>4.70</b>

## **INTERNATIONAL CHAIR IN ENTREPRENEURSHIP**

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

#### **i. Local Conferences (Within South Africa)**

**Maas,G**

*Amos,TL* and *Maas,G*. "Responding to South Africa's need for entrepreneurs: What should higher education do?". *Reinventing the University*. Rhodes University, Grahamstown. December 2004.

#### **JOURNAL SUBSIDY UNITS**

<b>INTERNATIONAL CHAIR IN ENTREPRENEURSHIP</b>	<b>UNITS</b>
TOTAL FOR INTERNATIONAL CHAIR IN ENTREPRENEURSHIP	0.00

## **INVESTEC BUSINESS SCHOOL**

Because the Rhodes Investec Business School (RIBS) does not have any full time academic staff, apart from the Director, it has to rely for research output on those contract members of staff who teach for RIBS. The University has ruled that any research in the broad area of Business Administration published by members of staff who teach on the MBA programme should be credited to RIBS, as well as to the staff member's home department. Thus, when it comes to research activities, RIBS is currently in a position of dependency to a significant extent.

As part of the MBA curriculum, RIBS believes that it has a system in place which will streamline and facilitate the research output of MBA students. Members of staff will be encouraged to allocate research projects to MBA students with the objective of producing publishable research on a joint basis. To mark the start of this proposed collaboration, two papers written by staff and MBA students, were presented at an international conference in 2004.

At the beginning of 2005, RIBS had 72 MBA students across the three year programme (i.e.) first year – 29, second year – 22, third year – 21.

**PROFESSOR G. STAUDE**  
**DIRECTOR**

## **BOOKS/CHAPTERS/MONOGRAPHS**

### **Amos,TL**

*Amos,TL.* "Dynamics of leadership". In: Management: Second South African edition. Oxford University Press Southern Africa. Cape Town. 2004. 285-310.

*Amos,TL.* "Entrepreneurs and small business owners". In: Management: Second South African edition. Oxford University Press Southern Africa. Cape Town. 2004. 27-43.

*Amos,TL.* "Groups and teams in organizations". In: Management: Second South African edition. Oxford University Press Southern Africa. Cape Town. 2004. 333-354.

*Amos,TL.* "Human resource management". In: Management: Second South African edition. Oxford University Press Southern Africa. Cape Town. 2004. 235-254.

*Amos,TL.* "Motivating for performance". In: Management: Second South African edition. Oxford University Press Southern Africa. Cape Town. 2004. 261-283.

### **Staude,GE**

*Staude,GE.* "Ethics and Corporate Social Responsibility". In: Management: Second South African Edition. Oxford University Press. Cape Town. 2004. 111-139.

*Staude,GE.* "Planning and Decision Aids". In: Management: Second South African Edition. Oxford University Press. Cape Town. 2004. 165-189.

*Staude,GE.* "Planning and Strategy Formulation". In: Management: Second South African Edition. Oxford University Press. Cape Town. 2004. 69-89.

*Staude,GE.* "The Environment of Business". In: Management: Second South African Edition. Oxford University Press. Cape Town. 2004. 91-110.



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

**i. Local Conferences (Within South Africa)**

**Amos,TL and Pearse,NJ**

*Amos,TL and Pearse,NJ.* "Working at the interface between universities and business: Case study of the Rhodes Investec Business School". *Reinventing the University*. Rhodes University, Grahamstown. December 2004.

**Mashonganyika,O, Amos, TL and Pearse,NJ**

*Mashonganyika,O, Amos,TL and Pearse,NJ.* "Job satisfaction and absenteeism in a South African motor manufacturer". *Global Business and Technology Association (GBATA) 2004 International*. Cape Town Holiday Inn, Cape Town. June 2004.

**Nyoka,Z and Pearse,NJ**

*Nyoka,Z and Pearse,NJ.* "The Experience of South African Rural Pensioners as Beneficiaries of the South African Post Office Pension Biometric Project". *Global Business and Technology Association International Conference*. Cape Town. June 2004.

**OVERSEAS RESEARCH OR FURTHER STUDY**

**Staude,GE**

*Staude,GE.* Durham University: Durham Business School, Durham City, UK. 26 April - 21 May 2004.

**DISTINGUISHED VISITORS**

Professor S Burgess. Graduate School of Business, UCT, Cape Town. Lecture. January 2004.

Mr M Jansen. Coca-Cola Sabco, Port Elizabeth. Lecture. November 2004.

Mr M Makwanan. Marketing Federation of Southern Africa, Johannesburg. Lecture. June 2004.

Professor L Pitt. Simon Fraser University, Canada. Lecture. June 2004.

Mr G Shepherd. Interbrand Sampson, Johannesburg. Lecture. November 2004.

Ms L Van Dyk. ABSA Bank, Johannesburg. Lecture. June 2004.

Dr J Van Sten t'Hoff. Rotterdam Business School, Rotterdam, Holland. Lecture. June 2004.

**JOURNAL SUBSIDY UNITS**

<b>INVESTEC BUSINESS SCHOOL</b>	<b>UNITS</b>
<b>TOTAL FOR INVESTEC BUSINESS SCHOOL</b>	<b>0.00</b>

## JOURNALISM AND MEDIA STUDIES

Of the 17 full-time teaching staff employed in the Department of Journalism and Media Studies, 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). The research output figures for 2004 indicate that staff teaching media theory were responsible for book chapters and journal publications, while the production teachers were responsible for creative works. Staff published 6 articles in peer reviewed journals (with another accepted for publication) while a number of articles were also published in technical publications and the mass media. Our conference participation was strong, with 21 papers presented at a broad range of academic and professional meetings throughout the year. In addition, seven of our Master's students presented papers at the SACCOM Conference at UPE (29 September – 1 October 2004).

In 2005 we will have 53 MA and 3 PhD students registered in our department. We expect six or seven to graduate in April 2005.

Other highlights include:

- The department successfully convened the 8<sup>th</sup> Highway Africa conference and the 5<sup>th</sup> African Economics Editor's conference. These two conferences represent the largest annual gathering of African media professionals.
- *Cue*, the official newspaper of the National Arts Festival, produced 10 editions while 3 editions of the newspaper *Open Source*, were produced during the Highway Africa conference.
- CueTV produced 14 inserts and two documentaries for SABC Africa during the National Arts Festival.
- Mr Rod Amner undertook a 10 day research trip to two prestigious journalism schools based in the USA, the University of Missouri-Columbia and Columbia University in New York, to produce an in-depth case study to help the department best utilise its newly acquired newspaper, *Grocott's Mail*, as both an educational resource and a local newspaper.
- Professor Guy Berger designed and fundraised for two research projects – one for Catia on the coverage of ICT policy issues in six African countries, and the other for the IDRC on the use of ICTs in eight Southern African countries; as well as managed a research project by visiting Belgian scholar Gebert van der Berghe into SA media coverage of the Convergence Bill.
- Ms Carol Christie managed a research project titled 'Survey and analysis of *Grocott's Mail* readership, June 2004.
- Professor's Jeanne Prinsloo and Larry Strelitz were commissioned by Gender Links to design their research project, undertaken in 6 Southern African countries, which examined the gendered consumption of news media in Southern Africa.

PROFESSOR L. STRELITZ  
DEPUTY-HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

**Garman,A**

*Garman,A.* (eds). Rhodes Journalism Review. Grahamstown. 2004. 24

**Strelitz,LN**

*Strelitz,LN.* "Theoretical framework". In: Rama, K. (eds) My Views on the News: The Southern African Gender and Media Audience Study. Gender Links. Johannesburg. 2004. 119-123.

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

**Berger,G**

*Berger,G.* "More media for Southern Africa? The place of politics, economics and convergence in developing media density". *Critical Arts*. 2004. 18(1),42-75.

**Prinsloo,J**

*Prinsloo,J.* "Examining the examination: The 'worlding' of the Matriculation language examinations in KwaZulu-Natal". *Perspectives in Education*. 2004. 22(1),81-97.

**Steenveld,L**

*Steenveld,L.* "Transforming the media: A cultural approach". *Critical Arts*. 2004. 18(1),92-115.

**Strelitz,LN**

*Strelitz,LN.* "Understanding University Student Media Preferences through the discourses of 'Realism' and 'Quality'". *Communicatio*. 2004. 30(2),36-49.

*Strelitz,LN.* "Against Cultural Essentialism: Media reception among South African youth". *Media Culture and Society*. 2004. 26(5),625-641.

**OTHER PUBLICATIONS****Berger,G**

*Berger,G.* "When pride is a virtue". Centennial. 2004. 52-55.

*Berger,G.* "Media Transformation scorecard". Journal of Marketing. 2004. 10, 36.

*Berger,G.* "WSIS misses. But the media could make it a hit". Media Development. 2004. 12-16.

*Berger,G.* "Problematizing race for journalists: Critical reflections on the South African Human Rights Commission Inquiry". Race, Gender & Class. 2004. 11(2).

*Berger,G.* "The new media maelstrom. New technologies promise a wealth of media and message". Garman, A. (eds) Rhodes Journalism Review. Grahamstown. 2004. 24, 39.

*Berger,G.* "South Africa". So This is Democracy?. Windhoek. 2004.

*Berger,G.* "Farewell to the elder statesman". Sowetan. 2004.

*Berger,G.* "Journalism wallows in its own muck". This Day. 2004. 11.

*Berger,G.* "Introduction to book". Travelling Light. Natal Press. Pietermaritzburg. 2004.

*Berger,G.* "Fortnightly column in the Mail and Guardian". [www.mg.co.za/converse](http://www.mg.co.za/converse). 2004.

**JMS**

*JMS.* "9 editions". Cue. Dupli-Print. Grahamstown. 2004.

**Mitchell,D**

*Mitchell,D.* "Students Broadcast at Grahamstown Festival". Jones, K. (eds) AV Specialist. Doddington. Johannesburg. 2004. 79, 8-12.

**Prince,E**

*Prince,E.* "3 Articles". Y Mag and Hype. 2004.

**Vasques,V**

*Vasques,V.* "All wired up and everywhere to go". Media Toolbox. 2004.

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

**i. Local Conferences (Within South Africa)**

**Amner,R**

*Amner,R. IDASA. Pretoria. 2004.*

*Amner,R. Steve Biko Media Week 2004. Rhodes University, Grahamstown. April 2004.*

*Amner,R. "Learning from Grocott's Mail". SACCOC. University of Port Elizabeth, Port Elizabeth. October 2004.*

**Berger,G**

*Berger,G. "Past Performance and future practice: Journalism teaching in South Africa 1994-2014, Paper for 10 years of Media Freedom". SANEF. Various, Cape Town, Durban, Johannesburg and Grahamstown. Duration 2004.*

*Berger,G. Africa Conference on Freedom of Expression. Pretoria. February 2004.*

*Berger,G. "Protection of journalistic sources: Between you, me and the subpoena". Africa Conference on Freedom of Expression. Pretoria. February 2004.*

*Berger,G. "Making an intervention on poverty: What we can do?". SANEF. Durban. May 2004.*

*Berger,G. "Ten years of teaching journalism: The onion model of our business Presentation on a panel about journalism education". Alumni Celebration event. Rhodes University, Grahamstown. July 2004.*

*Berger,G. "Presentation to conference of student media, convened by Activate Newspaper". Captives of Communication. Rhodes University, Grahamstown. August 2004.*

*Berger,G. "The view in the rear-mirror does not give much guidance". Critical Tradition Colloquium. Rhodes University, Grahamstown. August 2004.*

*Berger,G. "Media making the information society". 8th Highway Africa. Rhodes University, Grahamstown. September 2004.*

*Berger,G. "Ten Years of Media Education and Training". Colloquium on Journalism Education and Training. Rhodes University, Grahamstown. October 2004.*

*Berger,G. SACCOC. University of Port Elizabeth, Port Elizabeth. October 2004.*

*Berger,G. "Ethics and Excuses: The scapegoating of Vusi Mona". SACCOC. University of Port Elizabeth, Port Elizabeth. October 2004.*

*Berger,G. "Debugging the media and some messy matters. Suggestions for Khomanani on the use of newspaper adverts". Meropa Communications seminar. Johannesburg. November 2004.*

*Berger,G. African Economic Editors Forum. Johannesburg. December 2004.*

**Christie,C**

*Christie,C. "Transformation and teaching in a small town newspaper". SACCOC. University of Port Elizabeth, Port Elizabeth. September 2004.*

*Christie,C. "Ten Years of Media Education and Training". Colloquium on Journalism Education and Training. Rhodes University, Grahamstown. October 2004.*

*Christie,C. SACOMM. University of Port Elizabeth, Port Elizabeth. October 2004.*

**Du Toit,J**

*Du Toit,J. SACOMM. University of Port Elizabeth, Port Elizabeth. October 2004.*

**Garman,B**

*Garman,B. Annual Design Indaba Conference. Cape Town. February-March 2004.*

**Kabwato,C**

*Kabwato,C. "Internet Governance in Africa". The Internet Corporation for Assigned Names and Numbers (ICANN). Cape Town Convention Centre, Cape Town. November-December 2004.*

*Kabwato,C. Sithengi Film & Television Market -'NGO Forum: Production and Distribution of Videos for Development'. Cape Town. November 2004.*

*Kabwato,C. "WSIS and Africa - What are the implications for the filmmaker?". Communications for Development Forum. Grabouw, Western Cape. November 2004.*

*Kabwato,C. Conference of the Internet Corporation for Assigned Names and Numbers (ICANN). Cape Town. December 2004.*

**Mitchell,D**

*Mitchell,D. NIZA. Cape Town. March 2004.*

**Prince,E**

*Prince,E. "Ten Years of Media Education and Training". Colloquium on Journalism Education and Training. Rhodes University, Grahamstown. October 2004.*

**Prinsloo,J**

*Prinsloo,J. "The Representations of Fathers in the Media". The Fatherhood Project, HSRC. New Africa Museum, Johannesburg. June 2004.*

*Prinsloo,J. "Reflecting on Gender and Media Audience Research". Gender and Media Summit. Johannesburg. September 2004.*

*Prinsloo,J. "Where have all the fathers gone? Media(ted) representations of fatherhood". SA Communication Association. University of Port Elizabeth, Port Elizabeth. September 2004.*

**Steenveld,L**

*Steenveld,L. "Ten Years of Media Education and Training". Colloquium on Journalism Education and Training. Rhodes University, Grahamstown. October 2004.*

*Steenveld,L. SACOMM. University of Port Elizabeth, Port Elizabeth. October 2004.*

**Strelitz,L**

*Strelitz,L. "Cultural Authenticity, Realism and Polysemic Texts". Annual Conference of South African Communication Association (SACOMM). University of Port Elizabeth, Port Elizabeth. September-October 2004.*

**Vasques,V**

*Vasques,V. The Internet Corporation for Assigned Names and Numbers (ICANN). Cape Town Convention Centre, Cape Town. November-December 2004.*

*Vasques,V. "Ten Years of Media Education and Training". Colloquium on Journalism Education and Training. Rhodes University, Grahamstown. October 2004.*

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

### **ii. International Conferences (Outside South Africa)**

#### **Berger,G**

*Berger,G.* "Media & Aids: How we can do better". *Asia Media Summit 2004*. Kuala Lumpur. Asia. April 2004.

*Berger,G.* *Africa Telecommunications Conference, convened by ITU*. Cairo. May 2004.

*Berger,G.* *The Role and Place of the Media in the Information Society in Africa and the Arab Region*. Marrakech. Morocco. November 2004.

*Berger,G.* "Participated in strategic planning meeting of NIZA". *NIZA*. Amsterdam. Netherlands. November 2004.

#### **Kabwato,C**

*Kabwato,C.* "WSIS and the Media: A re-look at Geneva 2003 and the Way Ahead". *The Role and Place of the Media in the Information Society in Africa and the Arab Region*. Marrakech. Morocco. November 2004.

#### **Prinsloo,J**

*Prinsloo,J.* "Foucault for Africa: The relevance of Foucauldian theory in Post-apartheid South Africa". *Crossroads Cultural Studies Conference*. University of Urbana-Champaign, Illinois. USA. June 2004.

## **CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.**

#### **Amner,R**

*Amner,R.* Research. "*Grocott's Mail*". 10 day research trip to two prestigious journalism schools based in the USA, the University of Missouri-Columbia and Columbia University in New York, to produce an in-depth case study to help the department best utilise its newly acquired newspaper, Grocott's Mail, as both an educational resource and a local newspaper. 2004.

#### **Berger,G**

*Berger,G.* Presenter. "*State of South African media*". Presentation at Department of Journalism and Mass Communication. University of Stockholm. Sweden. 29 November 2004.

*Berger,G.* Presenter. "*New media, Africa and 2020*". Presentation at Department of Journalism and Mass Communication. University of Stockholm. Sweden. December 2004.

*Berger,G.* Design and fundraising. Catia - coverage of ICT policy issues in six African countries and IDRC - use of ICTs in 8 Southern African countries and managed a research project by visiting Belgian scholar Gebert van der Berghe into SA media coverage of the Convergence Bill. 2004.

#### **Christie,C**

*Christie,C.* Research. "*Survey and analysis*". Grocott's Mail readership. Grahamstown. June 2004.

## **DISTINGUISHED VISITORS**

J Arenstein. Editor - African Eye News Agency. 2004.

W Bandix. Editor - SA Paddler. 2004.

A Brigg. Freelance Designer. 2004.

M Constant. SAFM. 2004.

B Davidson. IDASA's Media Unit. 2004.

A Gilligan. Former BBC Political Correspondent. Alumni function. 2004.

F Hassen. SABC policy unit. 2004.

Professor J Horgan. Dublin City University, Dublin. 2004.

B Keene-Young. eTV Corporate Affairs. 2004.

R Louw. Editor and Publisher of the Southern Africa Report. 2004.

T Mazwai. SABC Board Member. 2004.

J Morgan. Pearshaped Productions. 2004.

C Msomi. SABC Board Member. 2004.

H Padhy. UNESCO Communications specialist. 2004.

G Price. Director of the Thomson Foundation. 2004.

G Reddy. Former director of SPI. 2004.

L Sarkadi. Journalist - CBC Television. 2004.

R Singh. ABC Ulwazi. 2004.

Professor R Tomaselli. University of KwaZulu-Natal, Durban. Master's seminar. May 2004.

Dr L Van Audenhove. Free University, Brussels. 2004.

Dr P Verweij. Utrecht School of Journalism, Netherlands. Research and teaching. 2004.

S Zikalala. News MD. 2004.

## JOURNAL SUBSIDY UNITS

### JOURNALISM AND MEDIA STUDIES UNITS

<b>Berger,G</b>	
<i>Berger,G. "More media for Southern Africa? The place of politics, economics and convergence in developing media density". Critical Arts. 2004. 18(1),42-75.</i>	1.00
<b>Prinsloo,J</b>	
<i>Prinsloo,J. "Examining the examination: The 'worlding' of the Matriculation language examinations in KwaZulu-Natal". Perspectives in Education. 2004. 22(1),81-97.</i>	1.00
<b>Steenveld,L</b>	
<i>Steenveld,L. "Transforming the media: A cultural approach". Critical Arts. 2004. 18(1),92-115.</i>	1.00
<b>Strelitz,LN</b>	
<i>Strelitz,LN. "Understanding University Student Media Preferences through the discourses of 'Realism' and 'Quality'". Communicatio. 2004. 30(2),36-49.</i>	1.00
<i>Strelitz,LN. "Against Cultural Essentialism: Media reception among South African youth". Media Culture and Society. 2004. 26(5),625-641.</i>	1.00
<b>TOTAL FOR JOURNALISM AND MEDIA STUDIES</b>	<b>5.00</b>

## **LAW**

In 2004 the Faculty of Law continued to maintain an impressive research record as will be reflected below.

### **Papers read at conferences**

In 2004 Mr Mandlana presented papers at two international conferences in Kenya. Professor Midgley participated in the NRF project on stimulating research in the humanities, social sciences and law. Professor Mqeke presented a guest lecture at Van Vollenhoven Institutut, University of Leiden. He also presented a paper at an international conference held in Rumbek, South Sudan.

Locally he presented a paper at the Universities of the North and Western Cape. Professor Mqeke also participated at various workshops conducted by the National Department of Provisional and Local Government.

### **Publications in Accredited Law Journals**

Dr Glover "The South African Law Commission's Report on Unreasonable Stipulations in Contract and its Potential Effect on Procedural Unfairness in the Common Law", (2004) 18(1) *Speculum Juris* 79.

Professor Mqeke "African Family Law and Statutory Developments Affecting the Legal Rights of Women in the New South Africa" (2004) 18 (1) *Speculum Juris* 26.

Mrs Driver and Judge Plasket contributed Administrative law section in the 2004 Annual Survey of South African law.

### **Publications in Print**

Professor Mqeke "Legal Pluralism in the Eastern Cape from a historical and contemporary perspective", (2004) 18 (2) *Speculum Juris*

### **Books and Chapters in books**

Professor AJ Kerr *Law of Sale and Lease*, Third Edition, LexisNexis, Butterworths (2004).

Professor Mqeke co-authored with Professor J Church a Chapter on Law of Persons and Marriage in *The Law of South Africa*, First Reissue 32 Indigenous law by WA Joubert et al . (eds) LexisNexis, Butterworth (2004) pp 97-158.

Dr G Glover, Mrs Driver and Ms Kruger updated Butterworths' Family Law Service.

PROFESSOR R. MIDGELY  
DEAN OF FACULTY

## **BOOKS/CHAPTERS/MONOGRAPHS**

### **Driver,S**

*Driver,S*. "Law of Succession". In: Clark, BJ. (eds) *Family Law Service*. Lexis Nexis Butterworths. Durban. 2004. 1-58.

*Driver,S*. "The effect of the Constitution on the Customary Law of Succession". In: Sardien, T. (eds) *Gender Bias: Problems and Processes for Magistrates, a resource guide*. Law Race and Gender Unit. Cape Town. 2004. 87-89.

### **Kerr,AJ**

*Kerr,AJ*. *The Law of Sale and Lease*. Kerr, AJ. (eds) Lexis Nexis Butterworths. Durban. 2004. 565 pp.

### **Kruger,R**

*Kruger,R*. "Family Law Procedures". In: Clark, BJ. (eds) *Family Law Procedures Division F*. Lexis Nexis Butterworths. Durban. 2004. 1-70.

### **Mqeke,RB**

*Mqeke,RB*. "Law of Persons and Marriage". In: Joubert et al, W. (eds) *The Law of South Africa*. Lexis Nexis Butterworths. Durban. 2004. 32, 96-159.



## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### **Driver,S and Plasket,CM**

*Driver,S and Plasket,CM. "Administrative Law". Annual Survey of South African Law. 2002. 88-139.*

### **Glover,GB**

*Glover,GB. "Metus in the Roman Law of Obligations". Fundamina: A Journal of Legal History. 2004. 31-58.*

*Glover,GB. "The South African Law Commission's Report on Unreasonable Stipulations in Contract and its Potential Effect on Procedural unfairness in the Common Law". Speculum Juris. 2004. 18(1),79-95.*

### **Kulundu-Bitonye,W**

*Kulundu-Bitonye,W. "Corporate Theories and their Implications for the Structure, Form, and Operations of Public Enterprises in Lesotho". Speculum Juris. 2003. 17(1),76-99.*

### **Meintjes-van der Walt,L**

*Meintjes-van der Walt,L. "The International Criminal Law (ICC) and Africa: An End to Atrocities?". Obiter. 2004. 1-15.*

### **Mqeke,RB**

*Mqeke,RB. "The Role of Justice and Equity in the Determination of African Burial Disputes Particularly where the Deceased Was a Polygamist: A Comment on Thembisile and Another v Thembisile and Another". Speculum Juris. 2003. 17(1),125-128.*

*Mqeke,RB. "Reclaiming the heritage of freedom: A Legal Historical Perspective". Speculum Juris. 2003. 17(1),24-30.*

*Mqeke,RB. "Patriarchy and the Bill of Rights". Obiter. 2004. 25(1),109-113.*

*Mqeke,RB. "African Family Law and Statutory Developments affecting the Legal Rights of Women in the new South Africa". Speculum Juris. 2004. 18(1),26-35.*

### **Plasket,CM**

*Plasket,CM. "Enforcing Judgements against the State". Speculum Juris. 2003. 17(1),1-13.*

*Plasket,CM and Euijen,M. "Constitutional Protection of Property and Land Reform". Annual Survey of South African Law. 2002. 526-549.*

### **Roberts,LJ**

*Roberts,LJ. "Section 18 of the Criminal Procedure Act: The balance between hope and dread". South African Law Journal. 2004. 121,46-50.*

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

### **i. Local Conferences (Within South Africa)**

#### **Kruger,R and Driver,S**

*Kruger,R, Driver,S and Wright,L. "The Sustainability of e-media in an Emerging South African Framework". Highway Africa. Rhodes University, Grahamstown. September 2004.*

#### **Mqeke,RB**

*Mqeke,RB. "The Impact of Legislation on Rural Development in the era of constitutionalism". Law Week on the Celebration of SA 10 years of Constitutionalism. University of the North, Polokwane. March 2004.*

*Mqeke,RB. "Legal Pluralism in the Eastern Cape from a Historical and Contemporary Perspective". Conference on Legal and Cultural Pluralism in South Africa. University of the Western Cape, Belville. July 2004.*

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

**ii. International Conferences (Outside South Africa)**

**Mandlana,W**

*Mandlana,W. "Status of Environmental Law: Another Perspective from South Africa". Symposium for Environmental Law Lecturers from African Universities. Nakuru Hotel, Nakuru. Kenya. September 2004.*

**CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.**

**Mqeke,RB**

*Mqeke,RB. Participant. "Apparent Judicial Disagreement on Anti-eviction Legislation: Comment on Absa Bank Bpk v Marais and another 2004 (1) BCLR 0 (c)". Workshop on the writing of case notes. University of the North. Polokwane. March 2004.*

**JOURNAL SUBSIDY UNITS**

<b>LAW</b>	<b>UNITS</b>
<b>Driver,S and Plasket,CM</b>	
<i>Driver,S and Plasket,CM. "Administrative Law". Annual Survey of South African Law. 2002. 88-139.</i>	1.00
<b>Glover,GB</b>	
<i>Glover,GB. "Metus in the Roman Law of Obligations". Fundamina: A Journal of Legal History. 2004. 31-58.</i>	1.00
<i>Glover,GB. "The South African Law Commission's Report on Unreasonable Stipulations in Contract and its Potential Effect on Procedural unfairness in the Common Law". Speculum Juris. 2004. 18(1),79-95.</i>	1.00
<b>Kulundu-Bitonye,W</b>	
<i>Kulundu-Bitonye,W. "Corporate Theories and their Implications for the Structure, Form, and Operations of Public Enterprises in Lesotho". Speculum Juris. 2003. 17(1),76-99.</i>	1.00
<b>Meintjes-van der Walt,L</b>	
<i>Meintjes-van der Walt,L. "The International Criminal Law (ICC) and Africa: An End to Atrocities?". Obiter. 2004. 1-15.</i>	1.00
<b>Mqeke,R</b>	
<i>Mqeke,R. "The Role of Justice and Equity in the Determination of African Burial Disputes Particularly where the Deceased Was a Polygamist: A Comment on Thembisile and Another v Thembisile and Another". Speculum Juris. 2003. 17(1),125-128.</i>	1.00
<i>Mqeke,R. "Reclaiming the heritage of freedom: A Legal Historical Perspective". Speculum Juris. 2003. 17(1),24-30.</i>	1.00
<b>Mqeke,RB</b>	
<i>Mqeke,RB. "Patriarchy and the Bill of Rights". Obiter. 2004. 25(1),109-113.</i>	1.00
<i>Mqeke,RB. "African Family Law and Statutory Developments affecting the Legal Rights of Women in the new South Africa". Speculum Juris. 2004. 18(1),26-35.</i>	1.00
<b>Plasket,C</b>	
<i>Plasket,C. "Enforcing Judgements against the State". Speculum Juris. 2003. 17(1),1-13.</i>	1.00
<b>Plasket,CM</b>	
<i>Plasket,CM and Euijen,M. "Constitutional Protection of Property and Land Reform". Annual Survey of South African Law. 2002. 526-549.</i>	0.50
<b>Roberts,LJ</b>	
<i>Roberts,LJ. "Section 18 of the Criminal Procedure Act: The balance between hope and dread". South African Law Journal. 2004. 121,46-50.</i>	1.00
<b>TOTAL FOR LAW</b>	<b>11.50</b>

## **MANAGEMENT**

Although the Management Department has achieved limited success in its research output during 2004, publications are still regarded as an integral activity of the Department. Two members of staff have articles published in refereed Journals namely Mr T.Amos and Mr N. Pearse and have kept the Departmental flag flying for 2004. A number of staff members have submitted papers for review but the results have not been received from the Journals concerned. Hopefully these will be published in 2005. On the other hand, Professor Harvey has had a number of articles published in non-accredited Journals and has copyrighted a Case Study with Professor Court.

The Department has produced a number of post-graduate students. One member of staff has completed his PhD and should graduate at the 2005 graduation ceremony while another member of staff should graduate with his Master's degree. The Department has another student graduating with his PhD during the 2005 graduation.

There are another three PhD students registered in the Department as well as there being four Master's students registered. Within the Department we have five members of staff registered for their PhD degrees of which three are registered in the Management Department.

Attendance at Conferences is encouraged and a number of staff has attended Conferences during 2004. Messrs Amos and Pearse had their papers published in the Conference Proceedings.

The number of fulltime Management students at the Honours/BBS 4 level stood at fourteen during 2004. These students are encouraged to write a research publication or compile a business report for a chosen organization. The process is working satisfactorily and should lead to published research in the future.

PROFESSOR P. COURT  
HEAD OF DEPARTMENT

## **BOOKS/CHAPTERS/MONOGRAPHS**

### **Amos,TL**

*Amos,TL.* "Dynamics of leadership". In: Management: Second South African edition. Oxford University Press Southern Africa. Cape Town. 2004. 285-310.

*Amos,TL.* "Entrepreneurs and small business owners". In: Management: Second South African edition. Oxford University Press Southern Africa. Cape Town. 2004. 27-43.

*Amos,TL.* "Groups and teams in organizations". In: Management: Second South African edition. Oxford University Press Southern Africa. Cape Town. 2004. 333-354.

*Amos,TL.* "Human resource management". In: Management: Second South African edition. Oxford University Press Southern Africa. Cape Town. 2004. 235-254.

*Amos,TL.* "Motivating for performance". In: Management: Second South African edition. Oxford University Press Southern Africa. Cape Town. 2004. 261-283.

*Amos,TL, Ristow,A and Ristow,L.* Human Resource Management. Juta and Co Ltd. Lansdowne. 2004. 365 pp.

## **OTHER PUBLICATIONS**

### **Harvey,NM**

*Harvey,NM.* "Series entitled: Mergers and acquisitions". Wood, B. (eds) PMR. Professional Management Review. Johannesburg. 2004. Various.

*Harvey,NM.* "Series entitled: History and overview of strategy". Wood, B. (eds) PMR. Professional Management Review. Johannesburg. 2004. Various.

**Harvey,NM and Court,PW**

*Harvey,NM, Court,PW and Volek,T. "NF Die-casting: A case study. (Copyright)". Harvey NM. Grahamstown. 2004.*

**Pearse,NJ and Amos,TL**

*Pearse,NJ and Amos,TL. "The emotionally intelligent leader in business: The age of the superman(ager) is at an end". van Schalkwyk, A. (eds) Achiever. Cape Media Corporation. Claremont. 2004. 11, 38-41.*

*Pearse,NJ and Amos,TL. "The development of business leadership". van Schalkwyk, A. (eds) Achiever. Cape Media Corporation. Claremont. 2004. 8, 22-24.*

*Pearse,NJ and Amos,TL. "Understanding the employees' experience of organisational change and the role of an organisational vision". De Jager, JW. (eds) Commecium Journal. Tshwane University of Technology. South Africa. 2004. 5(1), 1-9.*

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

**i. Local Conferences (Within South Africa)****Amos,TL**

*Amos,TL and Maas,G. "Responding to South Africa's need for entrepreneurs: What should higher education do?". *Reinventing the University*. Rhodes University, Grahamstown. December 2004.*

*Salomon,C, Khabisis,S and Amos,TL. "Developing leaders at the MBA level: An exploratory study of leadership values". *Reinventing the University*. Rhodes University, Grahamstown. December 2004.*

**Amos,TL and Pearse,NJ**

*Amos,TL, Amos,TL, Pearse,NJ and Pearse,NJ. "Working at the interface between universities and business: Case study of the Rhodes Investec Business School". *Reinventing the University*. Rhodes University, Grahamstown. December 2004.*

*Mashonganyika,O, Amos,TL and Pearse,NJ. "Job satisfaction and absenteeism in a South African motor manufacturer". *Global Business and Technology Association (GBATA) 2004 International*. Cape Town Holiday Inn, Cape Town. June 2004.*

**Pearse,NJ**

*Nyoka,Z and Pearse,NJ. "The Experience of South African Rural Pensioners as Beneficiaries of the South African Post Office Pension Biometric Project". *Global Business and Technology Association International Conference*. Cape Town. June 2004.*

*Pearse,NJ and Smith,CO. "Strategic leadership and social capital in South African churches engaged in the cell church transition". *2nd Annual International Conference of Contemporary Management (ICCM)*. University of Stellenbosch, Stellenbosch. September 2004.*

**DISTINGUISHED VISITORS**

Dr R Ackerman. Pick'n Pay, Cape Town. Donor luncheon. September 2004.

**JOURNAL SUBSIDY UNITS**

<b>MANAGEMENT</b>	<b>UNITS</b>
TOTAL FOR MANAGEMENT	0.00

## MATHEMATICS

Professor Murali's collaboration with Professor B Makamba of University of Fort Hare continued to flourish.

Professor Mabizela presented an invited lecture at the 8<sup>th</sup> International Conference on Nonlinear Functional Analysis and Applications (2004), held at Kyungnam University and Gyeongsang National University, KOREA. He also presented a paper at the 47<sup>th</sup> Annual Congress of the South African Mathematical Society (2004) held at the University of North-West (Potchefstroom).

Professor Mabizela and Dr Matutu attended the 19<sup>th</sup> 'Summer' Conference on Topology and its Applications (5-9 July 2004) held at the University of Cape Town.

Professor Burton initiated collaboration with the Faculty of Pharmacy.

Mr G Shepherd presented his popular lecture on the Engineering Aspects of the World Trade Center Twin Towers at the Sasol SciFest Lecture.

2 Honours  
1 Master's  
1 PhD

Mr Leigh Nelson completed his joint Honours degree.

PROFESSOR S. MABIZELA  
HEAD OF DEPARTMENT

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### Murali,V

*Murali,V. "A note on co-ordinate fuzzy subspaces". Far East Journal of Mathematical Sciences. 2004. 15(2),225-230.*

*Murali,V. "Fuzzy points of equivalent fuzzy subsets". Information Sciences. 2004. 158,277-288.*

*Murali,V. "Flags and equivalence of fuzzy subspaces". Journal of Fuzzy Mathematics. 2004. 12(2),493-503.*

*Murali,V. "On an equivalence of fuzzy functions". Journal of Fuzzy Mathematics. 2004. 12(3),651-657.*

*Murali,V. "On an equivalence of fuzzy congruence relations". Journal of Fuzzy Mathematics. 2004. 12(4),969-980.*

*Murali,V and Makamba,BB. "Fuzzy subgroups of finite abelian groups". Far East Journal of Mathematical Sciences. 2004. 14(1),113-125.*

*Murali,V and Makamba,BB. "Counting the number of fuzzy subgroups of an abelian group of order  $p^n q^m$ ". Fuzzy Sets and Systems. 2004. 144(3),459-470.*

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

### i. Local Conferences (Within South Africa)

### Mabizela,S

*Mabizela,S. "Hausdorff-Lipschitz continuity of the best simultaneous approximation operator". 47th Annual Congress of the South African Mathematical Society. University of North-West , Potchefstroom. November 2004.*

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

**ii. International Conferences (Outside South Africa)**

**Mabizela,S**

*Mabizela,S. "Hausdorff Strong Uniqueness and Lipschitz Continuity of the Simultaneous Best Approximation Operator". 8th International Conference on Nonlinear Functional Analysis and Applications. Kyungnam University and Gyeongsang National University, Korea. August 2004.*

**DISTINGUISHED VISITORS**

Professor A F Beardon. University of Cambridge, Cambridge UK. Lecture. August 2004.

**JOURNAL SUBSIDY UNITS**

<b>MATHEMATICS</b>	<b>UNITS</b>
<b>Murali,V</b>	
<i>Murali,V. "Fuzzy points of equivalent fuzzy subsets". Information Sciences. 2004. 158,277-288.</i>	1.00
<i>Murali,V and Makamba,BB. "Counting the number of fuzzy subgroups of an abelian group of order <math>p^n q^m</math>". Fuzzy Sets and Systems. 2004. 144(3),459-470.</i>	0.50
<b>TOTAL FOR MATHEMATICS</b>	<b>1.50</b>

## MUSIC AND MUSICOLOGY

The Department of Music and Musicology is one of the two essentially Practical Arts Departments on the campus. Pure academic research is a limited area in the department's work, with the State and NRF accreditation of public performance skills (already standard practice in the greater global tertiary environment) unfortunately still only in the embryonic stage.

Dr Thram was on sabbatical to continue her research in two important areas: Media Control and Censorship of Music under the present government of Zimbabwe, and continuation of original research on the indigenous music of the Shona.

While on a teaching exchange with Queen's University in Canada, Ms Heunis participated in a music education colloquium, presenting the South African music educator's experience, and an Academic Poster at the Ontario Music Educator's Conference.

Professor Scarr was the Department's most active performer in 2004. As an orchestral conductor he was engaged across the country, most notably for the Final rounds of the Unisa Vodacom International Piano Competition in Pretoria, the Rhodes Centenary Concert at the National Arts Festival (with Ms Foxcroft as soloist), and a two-week symphonic season with the Cape Philharmonic Orchestra in Cape Town. Both Professor Scarr's orchestral and Ms Foxcroft's pianistic recordings were widely broadcast on SAFM, Classic FM, and Fine Music Radio.

New staff members Dr van Dijk and Mr Munoz were also nationally active performers, rounding off a high profile performance year for the Department. In addition, Dr van Dijk enjoyed the world premiere of a new two-piano work in Cape Town.

Distinguished visiting lecturers included Professor Laszlo Somfai, former President of the International Society of Musicologists, and Professor Paul Friedlander from Chico University, California. Professor Friedlander presented one of the University's Centenary Lectures.

PROFESSOR D. SCARR  
HEAD OF DEPARTMENT

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

#### i. Local Conferences (Within South Africa)

##### **Radloff, TR**

*Radloff, TR. Annual Conference of South African Society of Music Teachers. UNISA, Pretoria. March 2004.*

##### **Thram, D**

*Thram, D. "Hugh Tracey revisited: Applied Ethnomusicology in South Africa". New Music Indaba Composing Apartheid Conference. Rhodes Department of Music, Grahamstown. July 2004.*

*Thram, D. "Media Control and Unofficial Censorship of Music in Zimbabwe". 2004 Ethnomusicology Symposium. International Library of African Music, Grahamstown. October 2004.*

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

**ii. International Conferences (Outside South Africa)**

**Heunis,D**

*Heunis,D.* "African Folk Songs in New Jackets". *Forte 2004, Ontario Music Educator's Association and the Canadian Music Industry Education Committee Conference*. Doubletree International Plaza Hotel, Ontario. Canada. November 2004.

**CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.**

**Foxcroft,C**

*Foxcroft,C.* Performer. "*Chamber Music Recital*". Quartet Anglais. Sanatorium Dr Barner. Braunlage, Germany. 10 April 2004.

*Foxcroft,C.* Performer. "*Chamber Music Recital*". Quartet Anglais. Schwiecheldthaus. Goslar, Germany. 12 April 2004.

*Foxcroft,C.* Performer. "*Concerts*". Maxim Gorky Cruise Ship. , Ocean Worldwide. 15 April - 20 May 2004.

*Foxcroft,C.* Performer. "*Eastern Cape Philharmonic Orchestra*". Symphony Concert. Feathermarket Hall. Port Elizabeth. 27 June 2004.

*Foxcroft,C.* Performer. "*Rhodes Centenary Concert*". Eastern Cape Philharmonic Orchestra, National Arts Festival. Cathedral. Grahamstown. 3 July 2004.

**Heunis,D**

*Heunis,D.* Performer. "*Grahamstown String Quartet*". RU Special Graduation, Honorary Degree Ceremony for Miriam Makeba. Monument Theatre. Grahamstown. 20 February 2004.

*Heunis,D.* Performer. "*Zintathu Trio*". Port Alfred Music Society, Port Alfred Soiree. St Pauls Church Hall. Port Alfred. 30 May 2004.

*Heunis,D.* Performer. "*Zintathu Trio*". Chamber Music Recital. Beethoven Room. Grahamstown. 4 June 2004.

*Heunis,D.* Performer. "*Zintathu Trio*". Chamber Music Recital. Beethoven Room. Grahamstown. 4 July 2004.

*Heunis,D.* Performer. "*Zintathu Trio*". Chamber Music Recital. Beethoven Room. Grahamstown. 6 July 2004.

*Heunis,D.* Lecture. "*Music 470: Music Education and the South African Music Experience*". Queens University. Kingston, Ontario, Canada. 12 November 2004.

**Munoz,JL**

*Munoz,JL.* Leader. "*Huisgenoot Skouspel*". Johannesburg Music Initiative Orchestra. Sun City. Gauteng. 17 - 19 September 2004.

*Munoz,JL.* Performer. "*The Vivaldi Four Seasons*". Johannesburg Music Initiative Orchestra. Nelson Mandela Theatre. Johannesburg. 21 - 24 October 2004.

*Munoz,JL.* Performer. "*Violin & Piano Recital*". Chamber Music. Sanatorium Dr Barner. Braunlage, Germany. 26 November 2004.

*Munoz,JL.* Performer. "*Violin & Piano Recital*". Chamber Music. Schwiecheldthaus. Goslar, Germany. December 2004.



**Scarr,DJ**

*Scarr,DJ.* Conductor. *"Unisa Vodacom International Piano Competition"*. Concerto Concert. Pretoria. 1 - 7 February 2004.

*Scarr,DJ.* Performer/Director. *"Lodge Garden Concert"*. Lodge Garden Concert. Vice Chancellor Residence. Grahamstown. 7 March 2004.

*Scarr,DJ.* Conductor. *"Symphony Concert"*. Johannesburg Philharmonic Orchestra. Linder Auditorium. Johannesburg. 22 - 25 March 2004.

*Scarr,DJ.* Conductor. *"Music Department Autumn Concert"*. Autumn Concert. St Peters Chapel. Grahamstown. 16 May 2004.

*Scarr,DJ.* Conductor. *"Symphony Concert"*. Eastern Cape Philharmonic Orchestra. Feathermarket Hall. Port Elizabeth. 27 June 2004.

*Scarr,DJ.* Conductor. *"Rhodes Centenary Ball"*. Great Hall. Grahamstown. 3 July 2004.

*Scarr,DJ.* Conductor. *"Rhodes Centenary Concert"*. Cathedral. Grahamstown. 3 July 2004.

*Scarr,DJ.* Conductor. *"Symphony Concert"*. Cape Philharmonic Symphony Concert. City Hall. Cape Town. 15 - 18 November 2004.

*Scarr,DJ.* Conductor. *"Symphony Concert"*. Cape Philharmonic Symphony Concert. City Hall. Cape Town. 22 - 25 November 2004.

**Van Dijk,PL**

*Van Dijk,PL.* Conductor. *"School of Music Symphony Orchestra & the University of Port Elizabeth Choir"*. UPE School of Music Concert. NG Church. Port Elizabeth. 6 May 2004.

*Van Dijk,PL.* Conductor. *"Eastern Cape Philharmonic Orchestra Youth Concerto Festival"*. UPE School of Music Concert. Feathermarket Hall. Port Elizabeth. 10 October 2004.

*Van Dijk,PL.* Conductor. *"School of Music Symphony Orchestra"*. UPE School of Music Concert. University of Port Elizabeth. Port Elizabeth. 15 October 2004.

*Van Dijk,PL.* Conductor. *"Eastern Cape Philharmonic Orchestra, Choirs and Soloists"*. East Cape Philharmonic Orchestra Season. Feather Market Hall. Port Elizabeth. 27 - 28 November 2004.

**DISTINGUISHED VISITORS**

Dr K Frederickson. Queens University, Kingston, Canada. Guest Voice Recital. September 2004.

Professor P Friedlander. California State University, Chico, California. Centenary Lecture. August 2004.

Ms M Illusorio. Hanover, Germany. Guest Piano Recital. August 2004.

Ms Q Madosini and Belter. Cape Town. Ethnomusicology Lecture. August 2004.

Professor V Ram. Individual, Pretoria. Lecture Demonstration. March 2004.

Rosamunde String Quartet. Pretoria. Concert. August 2004.

Professor L Somfai. International Society of Musicologists. Guest Lecture. August 2004.

Ms V Tait. Victoria Girls High School, Grahamstown. Guest Voice Recital. August 2004.

## JOURNAL SUBSIDY UNITS

<b>MUSIC AND MUSICOLOGY</b>	<b>UNITS</b>
<b>TOTAL FOR MUSIC AND MUSICOLOGY</b>	<b>0.00</b>

## PHARMACY

The research efforts of the Faculty of Pharmacy continue to play a prominent role in the proceedings of the annual meetings of the South African Academy of Pharmaceutical Sciences, the Pharmacological Society of South Africa, the South African Association of Hospital and Institutional Pharmacists, and the Neuroscience Society. In addition, members of staff regularly participate in international conferences and this has resulted in international liaisons in several areas of the pharmaceutical sciences.

The number of postgraduate students in the Faculty of Pharmacy in 2004 was 28, of which 14 were registered for Master's and 14 for Doctoral degrees. The number of students registered for higher degrees in 2005 is 24. The high number of postgraduate students and research activities of the academic staff resulted in no fewer than 39 conference presentations being made in 2004.

At present four members of the academic staff are or have been NRF rated scientists: Professor I. Kanfer (B-rated), Professor S. Daya (C-rated), Professor J.M. Haigh (C-rated) and Professor R.B. Walker (C-rated). Dr Beukes is funded by the NRF as part of the Thuthuka programme and some members of the Faculty receive substantial funding from the MRC.

The Faculty of Pharmacy hosted three highly successful conferences and workshops in 2004. The Silver Jubilee conference of the South African Academy of Pharmaceutical Sciences was convened by Professor Walker and hosted 10 international speakers and attracted over 200 delegates. Professor Daya hosted the 6<sup>th</sup> International Brain Research Organization African Region Neuroscience School and an Epilepsy workshop.

Professor Dowse received the Roche Achievement award for the Best Publication: Pharmacy Practice for her paper, which evaluated the influence of education on the interpretation of pharmaceutical pictograms for communicating medicine instructions.

The Faculty of Pharmacy hosted several international visitors in 2004 including: Dr Victor Yanchick, Dean of Pharmacy, Virginia Commonwealth University, Richmond, VA, USA; Dr Iain McGilveray, University of Ottawa, Ontario, Canada; Mr Edward Mills, Director of Research, McMaster Health Sciences Centre, Hamilton, Ontario, Canada; Dr Susan Walters, University of New South Wales, Sydney, Australia; Dr Leon Shargel, Vice President of Biopharmaceutics, Eon Labs, Inc., Wilson, NC, USA; Professor Roger Verbeeck, Catholic University of Louvain (French), Brussels, Belgium and Dr Betty Patterson, University of North Dakota, Fargo, ND, USA.

Professor Kanfer continues to be the Associate Editor of the Journal of Pharmacy and the Pharmaceutical Sciences, Professor Daya continues as the Editor of Metabolic Brain Disease and as the International Editor of the Journal of Cell and Tissue Research and Professor Haigh serves on the Editorial Advisory Boards of the International Journal of Drug Development, International Journal of Generic Drugs and STP Pharma Sciences Journals. Members of the academic staff are regularly solicited to act as referees for articles submitted for publication in both local and international peer reviewed scientific journals whereas some are often invited to deliver Plenary or Keynote research lectures or Chair sessions at local and international conferences and symposia.

**PROFESSOR R.B. WALKER**  
**ACTING DEAN OF FACULTY**

## BOOKS/CHAPTERS/MONOGRAPHS

### **Kanfer,I**

*Kanfer,I*. Development of Generic Drug Products: Solid Oral Dosage Forms. Shargel,L and Kanfer, I. (eds) Marcel Dekker Inc. New York. 2004.

Shargel,L and *Kanfer,I*. "Introduction to Generic Drug Development". In: Shargel,L and Kanfer, I. (eds) Development of Generic Drugs: Solid Oral Dosage Forms. Marcel Dekker. New York. 2004. (Chapter 1).

### **Kanfer,I and Walker,RB**

*Kanfer,I*, Persicaner,PHR and *Walker,RB*. "Experimental Formulation Development". In: Shargel,L and Kanfer, I. (eds) Development of Generic Drugs: Solid Oral Dosage Forms. Marcel Dekker. New York. 2004. (Chapter 4).

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### **Beukes,DR**

*Antunes,EM*, *Beukes,DR*, Kelly,M, Samaai,T, Barrows,LR, Marshall,KM, Sincich,C and *Davies-Coleman,MT*. "Cytotoxic Pyrroloiminoquinones from Four New Species of South African Latrunculid Sponges". *Journal of Natural Products*. 2004. 67,1268-1276.

*Davies-Coleman,MT* and *Beukes,DR*. "Ten years of marine natural products research at Rhodes University". *South African Journal of Science*. 2004. 100,539-544.

### **Daya,S**

*Maharaj,H*, *Maharaj,DS*, Saravanan,KS, Mohanakumar,KP and *Daya,S*. "Aspirin curtails the acetaminophen-induced rise in brain norepinephrine levels". *Metabolic Brain Disease*. 2004. 19(1-2),71-77.

*Maharaj,DS*, Saravanan,KS, *Maharaj,H*, Mohanakumar,KP and *Daya,S*. "Acetaminophen and aspirin inhibit superoxide anion generation and lipid peroxidation, and protect against 1-methyl-4-phenylpyridinium-induced dopaminergic neurotoxicity in rats". *Neurochemistry International*. 2004. 44(5),355-360.

*Vine,NG*, *Leukes,WD*, *Kaiser,H*, *Daya,S*, *Baxter,J* and *Hecht,T*. "Competition for attachment of aquaculture candidate probiotic and pathogenic bacteria on fish intestinal mucus". *Journal of Fish Diseases*. 2004. 27(6),319-326.

### **Dowse,R**

*Mansoor,LE* and *Dowse,R*. "Design and evaluation of a new pharmaceutical pictogram sequence to convey medicine usage". *Ergonomics SA*. 2004. 16,29-41.

### **Dowse,R and Ehlers,MS**

*Dowse,R* and *Ehlers,MS*. "Pictograms for conveying medicine instructions: Comprehension in various South African language groups". *South African Journal of Science*. 2004. 100,687-693.

### **Kanfer,I**

*Dubber,M-J* and *Kanfer,I*. "High-performance liquid chromatographic determination of selected flavonols in *Ginkgo biloba* solid oral dosage forms". *Journal of Pharmacy and Pharmaceutical Sciences*. 2004. 7(3),303-309.

### **Kanfer,I and Walker,RB**

*Kanfer,I* and *Walker,RB*. "The semantics of equivalence: Implications for generic substitution". *Modern Generics: A Supplement To Modern Medicine and Modern Pharmacy*. 2004. 26-27.

*Mohammadi,A*, *Kanfer,I* and *Walker,RB*. "A capillary zone electrophoresis (CZE) method for the determination of cyclizine hydrochloride in tablets and suppositories". *Journal of Pharmaceutical and Biomedical Analysis*. 2004. 35,233-239.

**Limson,JL and Daya,S**

Daniel,S, Limson,JL, Dairam,A, Watkins,GM and Daya,S. "Through metal binding, curcumin protects against lead- and cadmium-induced lipid peroxidation in rat brain homogenates and against lead-induced tissue damage in rat brain". *Journal of Inorganic Biochemistry*. 2004. 98(2),266-275.

**Patterson,BD**

Willows,S, Patterson,BD and Swingler,D. "Prevalence of and risk factors for tardive dyskinesia in a Xhosa population in the Eastern Cape of South Africa". *Schizophrenia Research*. 2004. 1-9.

**Srinivas,SC**

Srinivas,SC and Bhaskaran,S. "The need for Consumer Medicines Information in India". *International Pharmacy Journal*. 2004. 18(1),35-36.

**OTHER PUBLICATIONS****Futter,WT**

Futter,WT. "The Naked Manager. Take Aways". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(1), 33.

Futter,WT. "The Naked Manager. West Meets South". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(10), 26-29.

Futter,WT. "The Naked Manager. Take Aways: F1 drivers". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(10), 47.

Futter,WT. "The Naked Manager. Take Aways: Golf". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(2), 40.

Futter,WT. "The Naked Manager. Take Aways: Cricket". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(3), 24.

Futter,WT. "The Naked Manager. Take Aways: Tennis". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(4), 30.

Futter,WT. "The Naked Manager. The ideal employee?". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(4), 31-34.

Futter,WT. "The Naked Manager. Take Aways: Comrades". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(5), 38.

Futter,WT. "The Naked Manager. Leaders or Managers or both?". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(6), 34-38.

Futter,WT. "The Naked Manager. Take Aways: The Olympics". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(7), 34.

Futter,WT. "The Naked Manager. Power to Change". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(8), 24-28.

Futter,WT. "The Naked Manager. Take Aways: Swimming". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(8), 30.

Futter,WT. "The Naked Manager. Take Aways: Administrators". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(9).

*Futter, WT.* "The Naked Manager. Look, Listen Learn and Do something - How o cope with (R)Evolution". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(2), 32-35.

*Futter, WT.* "Responding to Patient's Rights and Responsibilities". The Huffer. Faculty of Pharmacy. Grahamstown. 2004. 1(1), 10-11.

**Haigh, JM, Kanfer, I and Purdon, LH**

*Haigh, JM, Kanfer, I and Purdon, LH.* "A brief history of the Faculty of Pharmacy". Haigh, JM. (eds) Faculty of Pharmacy Annual Review. Faculty of Pharmacy. Grahamstown. 2004. 4-6.

**Oltmann, C**

*Oltmann, C.* "Mentoring in Pharmacy: A pilot study". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(4), 26-27.

**Walker, RB**

*Walker, RB.* "25th Academy of Pharmaceutical Sciences Conference Report". Osman, L. (eds) South African Pharmaceutical Journal. MedPharm. Pretoria. 2004. 71(10), 14-15.

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

**i. Local Conferences (Within South Africa)**

**Dowse, R**

*Mansoor, LE and Dowse, R.* "Perceptions and expectations of HIV and AIDS patients with oral thrush". *Annual Conference of the SA Association of Hospital and Institutional Pharmacists*. Champagne Sports Resort, Drakensberg. March 2004.

*Mwingira, B and Dowse, R.* "Development and assessment of antiretroviral medicines information or HIV/AIDS patients". *Annual Conference of the SA Association of Hospital and Institutional Pharmacists*. Champagne Sports Resort, Drakensberg. March 2004.

*Mwingira, B and Dowse, R.* "Development and assessment of a patient information leaflet or antiretroviral therapy". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

**Futter, WT**

*Futter, WT.* "Brain drain, drain or circulation". *The 18th Annual South African Association of Hospital and Institutional Pharmacists (SAAHIP) Conference*. Champagne Sports Resort, Drakensberg. March 2004.

*Futter, WT.* "The use of Live Patients to enhance teaching". *South African Association of Hospital and Institutional Pharmacists (SAAHIP) 18th Annual Conference*. Champagne Sports Resort, Drakensberg. March 2004.

*Futter, WT, Mostert, M, Southwood, S and Villet, MH.* "The role of the academic in the changing tertiary education environment: Tracing a career. Reinventing the University". *Education Conference*. Rhodes University, Grahamstown. December 2004.

**Futter, WT and Oltmann, C**

*Futter, WT and Oltmann, C.* "Quality Assurance, CPD and Competence". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

**Futter, WT and Srinivas, SC**

*Futter, WT, Srinivas, SC, Odendaal, L and Just, R.* "Developing Emotional Intelligence in Pharmacy Students". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

**Haigh,JM**

Tettey-Amlalo,RNO and Haigh,JM. "The effect of propylene glycol on the *in vitro* release rate of ibuprofen from extemporaneous cream formulations". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

**Kanfer,I**

Kanfer,I. *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

Dubber,M-J and Kanfer,I. "Reversed Flow Micellar Electrokinetic Capillary Chromatography (RK-MKEC) Analysis of some *Ginkgo biloba* Solid Oral Dosage Forms". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

Nair,VDPP and Kanfer,I. "HPLC Determination of Selected Sterols in Solid Oral Dosage Forms Using Evaporative Light Scattering Detection (ELSD)". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

Patnala,S and Kanfer,I. "*Sceletium totuosum*: Preliminary Studies Towards the identification and Isolation of Markers for Quality Control". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

**Karekezi,C**

Wa Kasongo,K and Karekezi,C. "Comparison of the *in vitro* release profiles of glibenclamide innovator and generic products on the South African market". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

**Nontyi,CT, Walker,RB and Kanfer,I**

Nontyi,CT, Walker,RB and Kanfer,I. "*In Vitro* Release of Cyclizine Hydrochloride from Extemporaneously Manufactured Suppositories". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

**Oltmann,C**

Oltmann,C. "CE or CPD?". *The 18th Annual South African Association of Hospital and Institutional Pharmacists (SAAHIP) Conference*. Champagne Sports Resort, Drakensberg. March 2004.

Oltmann,C. "Assessing Portfolios". *The 18th Annual South African Association of Hospital and Institutional Pharmacists (SAAHIP) Conference*. Champagne Sports Resort, Drakensberg. March 2004.

Oltmann,C. "Mentoring in Pharmacy: A pilot study". *The 18th Annual South African Association of Hospital and Institutional Pharmacists (SAAHIP) Conference*. Champagne Sports Resort, Drakensberg. March 2004.

**Skinner,MF and Kanfer,I**

Chamboko,BV, Skinner,MF and Kanfer,I. "Bioequivalence Assessment of Topical Corticosteroid Formulations: Chromametric Studies". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

**Srinivas,SC**

Srinivas,SC, Satish,H, Rao,V, Nagaraj,P, Muralidhar and Bhaskaran,S. "Medication Information Program for Heart Valve Recipients Regarding Warfarin". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

**Srinivas,SC and Futter,WT**

Shiri,C, Srinivas,SC and Futter,WT. "Beliefs and Perceptions About Medicines Among a Group of Employees at an Eastern Cape University in South Africa". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

**Walker,RB**

Walker,RB. "Generic Substitution: Scientific Considerations". *59th Pharmaceutical Society of South Africa Annual General Meeting*. Tsitsikama Conference Centre, Port Elizabeth. May 2004.

Walker,RB and Chetty,P. "Development and Validation of an HPLC Method for the Simultaneous Determination of Propranolol and Hydrochlorothiazide in Dosage Forms". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

Walker,RB and Khamanga,SM. "Formulation and *In-Vitro* Testing of Sustained Release Verapamil Tablets". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

Walker,RB and Khamanga,SM. "Comparison of Sustained Release Verapamil Hydrochloride (VRP) *In-Vitro* Dissolution Profiles". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

Walker,RB and Mollel,H. "Quantitation of Azithromycin in Pharmaceutical Dosage Forms Using HPLC with UV Detection". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

Walker,RB and Patel,F. "Manufacture of Carbamazepine Matrix Tablets by Two Step Blending and Direct Compression". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

Walker,RB and Wright,J. "Manufacture and Assessment of Pseudoephedrine Sulfate Sustained Release Granules". *25th Annual Congress of the Academy of Pharmaceutical Sciences of South Africa*. Rhodes University, Grahamstown. September 2004.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****ii. International Conferences (Outside South Africa)****Daya,S**

Maharaj,DS, Glass,BD and Daya,S. "6-hydroxydopamine protects against oxidative neurotoxicity". *International Conference on Neuroregeneration*. Rio de Janeiro. Brazil. September 2004.

**Dowse,R**

Mansoor,LE and Dowse,R. "The use of PILs to enhance the understanding of medicines information in low-literate HIV and AIDS patients". *International Congress of FIP*. New Orleans. USA. September 2004.

**Haigh,JM**

Haigh,JM, Purdon,CH, Smith,EW, Beyssac,E, Marsin,C and Aiache,JM. "Comparison of the *in vitro* delivery of progesterone and ibuprofen from gels through shed snake skin". *International Perspectives in Percutaneous Penetration Conference*. Bureau de Congres, La Grande Motte. France. March 2004.

Purdon,CH, Haigh,JM and Smith,EW. "The effect of the country of manufacture on the *in vitro* delivery of ibuprofen from commercially available gels through silicone membrane". *International Perspectives in Percutaneous Penetration Conference*. Bureau de Congres, La Grande Motte. France. March 2004.

Purdon,CH, Smith,EW and Haigh,JM. "The effect of the topical formulation type on the *in vitro* release of ibuprofen through silicone membrane". *International Perspectives in Percutaneous Penetration Conference*. Bureau de Congres, La Grande Motte. France. March 2004.

Purdon,CH, Smith,EW and Haigh,JM. "The effect gel and cream formulations have on the *in vitro* release of ibuprofen through silicone membrane". *American Association of Pharmaceutical Scientists Annual Conference*. Baltimore. USA. November 2004.

**Kanfer,I**

*Kanfer,I. Eino Nelson Conference, 25th Anniversary*. Hallandale Beach, Florida. USA. February 2004.

*Kanfer,I. Generic Roadblocks: Common Issues Confronting Generic Drug Development, Scientific Symposium*. Paris. France. October 2004.

*Kanfer,I. 2004 American Association of Pharmaceutical Scientists (AAPS) Meeting and Exposition*. Baltimore Convention Centre, Baltimore, MD. USA. November 2004.

*Kanfer,I. Naturceuticals (Natural Products), Nutraceuticals, Herbal Botanicals, and Psychoactives: Drug Discovery and Drug-Drug Interactions*. Radisson Plaza Lord Baltimore, Baltimore, MD. USA. November 2004.

*Dubber,M-J and Kanfer,I. "HPLC Determination of Selected Flavonols in Ginkgo biloba Solid Oral Dosage Forms"*. *Canadian Society for Pharmaceutical Sciences, 7th Annual Symposium*. Vancouver, B.C. Canada. June 2004.

Foster,BT, Mills,E, Arnason,JT, Ruddock,P, Cairns,N, Dillon,J-A R, Van Heeswijk,R and *Kanfer,I. "Activity of Hypoxis hemrocallidea and Sutherlandia frutescens against Cytochrome P450 3A4-mediated Metabolism"*. *Ontario HIV Treatment Network Research Conference 2004*. Toronto. Canada. November 2004.

**Srinivas,CS**

*Srinivas,CS, Sudarshan,H and Bilimagga,RS. "Progress of Rational Use of Drugs Program in Karnataka, India"*. *International Conference for Promoting Rational Use of Drugs (WHO)*. ChaingMai. Thailand. March 2004.

**Walker,RB**

*Walker,RB. "Issues in Tablet Manufacture"*. *6th Conference on Formulation and Delivery of Bioactives*. University of Otago, Dunedin. New Zealand. February 2004.

*Walker,RB and Patel,F. "Evaluation of Carbamazepine Sustained Release Tablets Manufactured by Direct Compression"*. *The 31st International Symposium on Controlled Release of Bioactive Materials*. Hilton Hawaiian Village, Honolulu, Hawaii. USA. June 2004.

**CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.**

**Beukes,DR**

*Beukes,DR. Performer. "Marine Microbes: A Source of New Drugs for the Future?"*. Mini Symposium on Marine Drug Discovery in South Africa. University of Port Elizabeth. Port Elizabeth. 12 July 2004.

**Kanfer,I**

*Kanfer,I. Keynote Lecture. "Generic Drug Product Registration in South Africa: An Innovative Approach"*. 25th Annual Congress of the Academy of Pharmaceutical Sciences in South Africa. Rhodes University. Grahamstown. 14 September 2004.

*Kanfer,I. Lecture. "Bioequivalence Concepts: Role in Generic Substitution"*. The Pharmaceutical Society of South Africa Cape Western Province (CWP) Branch. Cape Town. 20 September 2004.

**Karekezi,C**

*Karekezi,C. Participant. "Supervising Postgraduate Research Workshop"*. Seminar. ADC, Rhodes University. Grahamstown. November 2004.

*Karekezi,C. Participant. "Enabling Active Learning in Large Classes"*. Seminar. ADC, Rhodes University. Grahamstown. 8 November 2004.



**Oltmann,C**

*Oltmann,C*. Performer. "Over-The-Counter (OTC) medicines". A presentation to Grade 10 pupils. St Andrews College. Grahamstown. 24 February 2004.

*Oltmann,C*. Performer. "Over-The-Counter (OTC) medicines". A presentation to Grade 10 pupils. DSG. Grahamstown. 2 March 2004.

*Oltmann,C*. Performer. "Empowerment workshop for internship, on behalf of the South African Pharmacy Council and the Faculty of Pharmacy". Workshop. East London. 13 March 2004.

*Oltmann,C*. Performer. "Workshop to train Eastern Cape interns about Anti-Retro-Viral Medication (ARVs) and the ARV Rollout". Workshop. East London. 14 May 2004.

**Walker,RB**

*Walker,RB*. Performer. "Fundamental Pharmacokinetics". Workshop. InterAg. Hamilton, New Zealand. 21 June - 2 July 2004.

**OVERSEAS RESEARCH OR FURTHER STUDY****Beukes,DR**

*Beukes,DR*. Gerwick Laboratory, Oregon State University, Corvallis, Oregon, USA. Sabbatical Research. 1 July - 31 December 2004.

**Kanfer,I**

*Kanfer,I*. Canadian College of Naturopathic Medicine, North York, Ontario, Canada. Sabbatical Research. 1 July - 31 December 2004.

**DISTINGUISHED VISITORS**

Dr N Finkelstein. Finks Consultancy cc, Cape Town. Lecture. May 2004.

Dr I McGillveray. University of Ottawa, Nepsan, Ottawa, Canada. Lecture. September 2004.

Mr E Mills. Canadian College of Naturopathic Medicine, North York, Ontario, Canada. Lecture/Research Collaboration. September 2004.

Dr B Patterson. North Dakota State University, Fargo, North Dakota, USA. Lecture/Pharm D. September-November 2004.

Dr V Sewram. Medical Research Council, Promec Unit, Tygerberg, Cape Town. Lecture/Research Collaboration. May 2004.

Dr L Shargel. Eon Laboratories Inc, Wilson, North Carolina, USA. Lecture. September 2004.

Professor R Verbeeck. School of Pharmacy, Catholic University Louvain, Brussels, Belgium. Lecture/Sabbatical. July-December 2004.

Dr S Walters. University of New South Wales, Sidney, Australia. Lecture. September 2004.

Dr V Yanchick. Virginia Commonwealth University, Richmond, Virginia, USA. Lecture/Pharm D. September 2004.

# JOURNAL SUBSIDY UNITS

PHARMACY	UNITS
<b>Beukes,DR</b>	
<i>Antunes,EM, Beukes,DR, Kelly,M, Samaai,T, Barrows,LR, Marshall,KM, Sincich,C and Davies-Coleman,MT. "Cytotoxic Pyrroloiminoquinones from Four New Species of South African Latrunculid Sponges". Journal of Natural Products. 2004. 67,1268-1276.</i>	0.13
<i>Davies-Coleman,MT and Beukes,DR. "Ten years of marine natural products research at Rhodes University". South African Journal of Science. 2004. 100,539-544.</i>	0.50
<b>Daya,S</b>	
<i>Maharaj,H, Maharaj,DS, Saravanan,KS, Mohanakumar,KP and Daya,S. "Aspirin curtails the acetaminophen-induced rise in brain norepinephrine levels". Metabolic Brain Disease. 2004. 19(1-2),71-77.</i>	0.60
<i>Maharaj,DS, Saravanan,KS, Maharaj,H, Mohanakumar,KP and Daya,S. "Acetaminophen and aspirin inhibit superoxide anion generation and lipid peroxidation, and protect against 1-methyl-4-phenylpyridinium-induced dopaminergic neurotoxicity in rats". Neurochemistry International. 2004. 44(5),355-360.</i>	0.60
<i>Vine,NG, Leukes,WD, Kaiser,H, Daya,S, Baxter,J and Hecht,T. "Competition for attachment of aquaculture candidate probiotic and pathogenic bacteria on fish intestinal mucus". Journal of Fish Diseases. 2004. 27(6),319-326.</i>	0.17
<b>Dowse,R</b>	
<i>Mansoor,LE and Dowse,R. "Design and evaluation of a new pharmaceutical pictogram sequence to convey medicine usage". Ergonomics SA. 2004. 16,29-41.</i>	1.00
<b>Dowse,R and Ehlers,MS</b>	
<i>Dowse,R and Ehlers,MS. "Pictograms for conveying medicine instructions: Comprehension in various South African language groups". South African Journal of Science. 2004. 100,687-693.</i>	1.00
<b>Kanfer,I</b>	
<i>Dubber,M-J and Kanfer,I. "High-performance liquid chromatographic determination of selected flavonols in Ginkgo biloba solid oral dosage forms". Journal of Pharmacy and Pharmaceutical Sciences. 2004. 7(3),303-309.</i>	1.00
<b>Kanfer,I and Walker,RB</b>	
<i>Mohammadi,A, Kanfer,I and Walker,RB. "A capillary zone electrophoresis (CZE) method for the determination of cyclizine hydrochloride in tablets and suppositories". Journal of Pharmaceutical and Biomedical Analysis. 2004. 35,233-239.</i>	1.00
<b>Patterson,BD</b>	
<i>Willows,S, Patterson,BD and Swingler,D. "Prevalence of and risk factors for tardive dyskinesia in a Xhosa population in the Eastern Cape of South Africa". Schizophrenia Research. 2004. 1-9.</i>	0.34
<b>TOTAL FOR PHARMACY</b>	6.34

## PHILOSOPHY

The Philosophy Department organised and hosted the Annual Philosophy Colloquium (this year in winter rather than in spring). The programme comprised 12 papers. Participants included top overseas philosophers: Kai Nielsen (Calgary, Canada), Don Ross (Alabama, USA), Jocelyn Couture (Montreal, Canada) and Drucilla Cornell (Rutgers, USA). Michaela Baker (MA, April 2004) and Dr Rebecca Bamford (Post-Doctoral Fellow) both read papers.

Submissions for *Philosophical Papers*, the international journal edited and published by the Department, are steadily increasing: 53 submissions for the two regular issues (March and July) were received and eleven were published. There were also 34 submissions for the topic-based issue on "Immoral Believing" (November), of which five were published. Submissions are mostly from the USA, Australia, the UK and European countries, but also from South Africa, Africa, the Middle and Far East.

Dr. Tom Martin received the Vice-Chancellor's 2004 Book Award for *Oppression and the Human Condition: An Introduction to Sartrean Existentialism*, and was the keynote speaker at a conference on Sartre's novel *Nausea* in Newcastle, Australia, in July. Dr. Ward Jones gave papers at the PSSA annual meeting in Pietermaritzburg (January), the Ethics Society of Southern Africa at RAU (April), an international workshop on the "Space of Reasons" at UCT (July), a workshop on "Virtue Epistemology" in Stirling, Scotland (November), and a workshop on "Judgement and Understanding" in Johannesburg (November). Dr. Samantha Vice, a Post-Doctoral Fellow, presented papers at six conferences, one of which was the prestigious annual conference of the British Society of Ethical Theory. Dr. Bamford from Durham University took up a Post-Doctoral Fellowship in July. Dr. Paul Voice (Bennington College, USA) was the Hugh le May Fellow from June to August.

Dr. Vice published "On Persons and Immortality" in *South African Journal of Philosophy* 23 (4), and Francis Williamson published "Sex, Disorder and Perversion" in *Philosophical Papers* vol. 33 (2).

Three students were awarded the MA in Philosophy, all *cum laude*: Heath Waller ("Moral Reform & the Desiderata of Responses to Wrongdoing"), Nikolai Viedge ("Knowing What We Can't Believe"), Michaela Baker ("Filling in the Gap: Nietzsche's Account of Authenticity as a Supplementary Ideal"). There were three second year MA students, nine first year MA students and one research (not coursework) MA student in 2004.

PROFESSOR M. VERMAAK  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### Jones, WE

*Jones, WE* . (eds) . *Philosophical Papers*. Grahamstown. 2004. 33

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### Jones, WE

*Jones, WE*. "Pragmatic believing and its explanation". *Critica, Revista Hispanoamericana De Filosofia*. 2004. 36(108),3-36.

### Ryan, D

*Ryan, D*. "The Pragmatic Theory of Meaning: Negotiation by Stealth". *Language Sciences*. 2004. 26(2),217-229.

*Ryan, D*. "Doing and Allowing: Dispensing with Rights and Agency". *Philosophia*. 2004. 31(3-4),557-573.

### Vice, S

*Vice, S*. "On Persons and Immortality". *South African Journal of Philosophy*. 2004. 23(4),365-374.

**Williamson,F**

Williamson,F. "Sex, Disorder and Perversion". *Philosophical Papers*. 2004. 33(2),203-229.

**OTHER PUBLICATIONS****Jones,WE**

Jones,WE. "Book Review of Steven Luper (ed.) *The Skeptics* (Ashgate 2003)". *Notre Dame Philosophical Reviews*. Southbend. 2004. November.

**Martin,T**

Martin,T. "Book Review of Paul C. Taylor, *Race: A Philosophical Introduction*. Polity, 2004". Jones, WE. (eds) *Philosophical Papers*. Grahamstown. 2004. 33(2), 351-355.

**Vermaak,M**

Vermaak,M. "Book Review of Herman Giliomee *The Afrikaners: Biography of a People* Cape Town: Tafelberg Publishers, University of Virginia Press, Charlottesville, 2003". Hendriks,F and Nyamnjoh, F. (eds) *African Sociological Review*. CODESRIA. Dakar, Senegal. 2003. 7(2), 162-166.

Vermaak,M. "Book review of Richard Bell *Understanding African Philosophy: Cross-Cultural Approach to classical and Contemporary Issues* Routledge, 2002". Jones, W. (eds) *Philosophical Papers*. Grahamstown. 2004. 33(1), 127-131.

**Vice,S**

Vice,S. "Book review of Pedro Tabensky *Happiness: Personhood, Community, Purpose*". Jones, W. (eds) *Philosophical Papers*. Grahamstown. 2004. 33(2), 236-241.

Vice,S. "Book Review of Christine Swanton, *Virtue Ethics: A Pluralist View*". *Times Literary Supplement*. London. 2004. 2 April, 28.

Vice,S. "Review of Candace Vogler, *Reasonably Vicious*". *Times Literary Supplement*. London. 2004. 6 February, 22.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****i. Local Conferences (Within South Africa)****Bamford,R**

Bamford,R. "In Defence of Nietzsche's critique of *Mitleid*". *Winter Philosophy Colloquium*. Rhodes University, Grahamstown. July 2004.

**Jones,WE**

Jones,WE. "Philosophers, Their Context and Their Responsibilities". *Philosophical Society of Southern Africa Annual Conference*. Fern Hill Hotel, Howick. January 2004.

Jones,WE. "Indignation, Immodesty and Immoral Believing". *Ethics Society of Southern Africa*. RAU, Johannesburg. April 2004.

Jones,WE. "The Space of Responsibility and our Agency as Believers". *Workshop on the Space of Reasons*. University of Cape Town, Cape Town. July 2004.

Jones,WE. "What's so Funny about Decency, Love and Understanding?". *Conference on Judging and Understanding*. University of Pretoria, Pretoria. November 2004.

**Vice,S**

Vice,S. "Living Autonomously". *Philosophical Society of Southern Africa Annual Conference*. Fern Hill Hotel, Howick. January 2004.

Vice,S. "Living Autonomously". *Ethics Society of Southern Africa*. RAU, Johannesburg. April 2004.

Vice,S. "Living with the Self: Self-Judgment and Self-Understanding". *Judging and Understanding Conference*. Goethe Institute, University of Pretoria, Pretoria. November 2004.

**Williamson,F**

Williamson,F. "The Challenge of Intelligent Design". *Philosophical Society of Southern Africa Annual Conference*. Fern Hill Hotel, Howick. January 2004.

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

**ii. International Conferences (Outside South Africa)**

**Bamford,R**

Bamford,R. "Mirroring and Mitleid: On Nietzsche's aestheticist culture of suffering". *14th Annual Conference of the Friedrich Nietzsche Society (UK)*. University of Sussex, UK. September 2004.

**Jones,WE**

Jones,WE. "Indignation, Immodesty and Immoral Believing". *Virtue Epistemology Conference*. University of Stirling, Stirling, Scotland. November 2004.

**Martin,T**

Martin,T. "The Role of Others in Roquentin's Nausea". *Nausea 2004 Conference*. University of Newcastle, Newcastle. UK. July 2004.

**Vice,S**

Vice,S. "On the Tedium of the Good". *British Society of Ethical Theory Annual Conference*. University of Kent, UK. July 2004.

Vice,S. "Self-Concern in Iris Murdoch's *The Sovereignty of Good*". *Iris Murdoch: A Reassessment*. Kingston University, September 2004.

Vice,S. "Conceptions of the Good in Philosophy and Literature". *Reasons of the Heart Conference*. University of Edinburgh, Edinburgh. UK. September 2004.

**CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.**

**Buckland,L**

Buckland,L. Conducted 8 Critical Reasoning Workshops. "*Crouching Philosopher, Hidden Fallacy*". National Schools Festival. Monument. Grahamstown. July 2004.

Buckland,L. Participant in SABC 2 TV Live Debate. "*Is God a Figment of Our Imagination*". The Big Question. SABC Studio. Johannesburg. 25 September 2004.

**Jones,WE**

Jones,WE. Public Lecture. "*Killing Businessmen, Caught in the Matrix: What Philosophers Do*". Schools Festival. Monument. Grahamstown. July 2004.

Jones,WE. Public Lecture. "*The Darkness in Dark Comedy*". Centenary Philosophy Week. Eden Grove Lecture Theatre. Grahamstown. August 2004.

**DISTINGUISHED VISITORS**

Professor S Beck. UKZN, Pietermaritzburg. Philosophy Week. August 2004.

Professor Emeritas R Bell. College of Wooster, Ohio, USA. Visiting Professor. Sept/Oct 2004.

Professor D Benatar. University of Cape Town, Cape Town. Philosophy Week. August 2004.

Professor R Bernasconi. University of Memphis, Memphis, USA. Philosophy Week. August 2004.

Professor D Cornell. Rutgers University, New Jersey, USA. Winter Philosophy Colloquium. August 2004.

Professor R Diprose. University of New South Wales, Australia. Philosophy Week. August 2004.

Dr L Hamilton. UKZN, Durban. Philosophy Week. August 2004.

Dr A Nash. Monthly Review Press, New York, USA. Oosthuizen Colloquium & Philosophy Week. August 2004.

Professor K Nielsen. University of Calgary, Calgary, Canada. Winter Philosophy Colloquium. August 2004.

Professor D Ross. University of Alabama and University of Cape Town, Birmingham, USA. Winter Philosophy Colloquium. August 2004.

Professor A Sen. Harvard and Cambridge. Honorary Degree & Winter Philosophy Colloquium. August 2004.

Professor D Spurrett. UKZN, Durban. Philosophy Week. August 2004.

Dr P Tabensky. University of Pretoria, Pretoria. Winter Philosophy Colloquium. August 2004.

Professor P Voice. Benington College, Vermont, USA. Hugh le May Fellow. July-September 2004.

#### JOURNAL SUBSIDY UNITS

PHILOSOPHY	UNITS
<b>Jones,WE</b>	
<i>Jones,WE.</i> "Pragmatic believing and its explanation". <i>Critica, Revista Hispanoamericana De Filosofia.</i> 2004. 36(108),3-36.	1.00
<b>Ryan,D</b>	
<i>Ryan,D.</i> "The Pragmatic Theory of Meaning: Negotiation by Stealth". <i>Language Sciences.</i> 2004. 26(2),217-229.	1.00
<i>Ryan,D.</i> "Doing and Allowing: Dispensing with Rights and Agency". <i>Philosophia.</i> 2004. 31(3-4),557-573.	1.00
<b>Vice,S</b>	
<i>Vice,S.</i> "On Persons and Immortality". <i>South African Journal of Philosophy.</i> 2004. 23(4),365-374.	1.00
<b>Williamson,F</b>	
<i>Williamson,F.</i> "Sex, Disorder and Perversion". <i>Philosophical Papers.</i> 2004. 33(2),203-229.	1.00
TOTAL FOR PHILOSOPHY	5.00

## PHYSICS AND ELECTRONICS

Professor Justin Jonas continued his dual role as Head of the Department of Physics & Electronics and Director of the Hartebeesthoek Radio Astronomy Observatory (HartRAO) during 2004. In addition to these two positions he is a member of the steering committee that is overseeing South Africa's involvement in the international Square Kilometre Array (SKA) "Megascience" project. Professor Jonas represents South Africa on the International SKA Steering Committee and serves as Project Scientist/Engineer for all local SKA activities.

As part of his responsibilities at Project Scientist Professor Jonas coordinates the SKA Research and Technology Collaboration Centre, a directed research programme designed to strengthen South Africa's competence in the scientific goals of the SKA and the advanced electronics and computing systems that the SKA will require. He is also a member of the engineering team that is designing the South African SKA Demonstrator Telescope, a new generation radio telescope that will be built over the next four years. The design effort for this telescope includes partners from Europe, the USA and Australia.

An important development in the second half of the year was the establishment of a formal link between the Department and the Hermanus Magnetic Observatory (HMO) National Facility. Dr Lee-Anne McKinnell was appointed to the scientific staff of HMO and as a Research Associate in the Department, where she is permanently located. Having close ties with both the HartRAO and HMO National Facilities provides our Department with access to cutting edge scientific instrumentation and a source of postgraduate students.

Five postgraduate students from the Department presented papers in the Astrophysics and Space Science session of the annual South African Institute of Physics conference, held at Free State University in Bloemfontein. Adrian Tiplady's lecture on precession in radio pulsars won him the prize for the best presentation by a PhD student, and Laura Richter's presentation on Very Long Baseline Interferometry studies of SiO masers was runner-up in the MSc student category.

Dr Makaiko Chithambo presented a paper at the 14th International conference on solid state dosimetry held at Yale University in the USA in June. He co-chaired a plenary session on Materials at the meeting. In addition to developing a dosimetry laboratory at Rhodes Dr Chithambo has been making use of facilities at the CSIR in Pretoria.

Postgraduate Students in 2005:

MSc: 4

PhD: 2

Graduation 2005 – possible graduands:

MSc: 2 (Richter & Jacobs)

PhD: 1 (Tiplady)

PROFESSOR J. JONAS  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

**McKinnell,LA**

*McKinnell,LA* (Guest Editor). *Advances in Space Research*. Elsevier. 2004. 34(9).

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

**Chithambo,ML**

*Chithambo,ML*. "Time-resolved luminescence from annealed synthetic quartz under 525µm pulsed green light stimulation". *Radiation Measurements*. 2004. 38,553-555.

*Chithambo,ML*. "Concerning secondary thermoluminescence peaks in  $\alpha$ -Al<sub>2</sub>O<sub>3</sub>:C". *South African Journal of Science*. 2004. 100,524-527.

**Haggard,R**

Haggard,R. "Particle precipitation effects in the daytime E-region in the South Atlantic Anomaly region". *South African Journal of Science*. 2004. 100,527-529.

**Jonas,JL**

Bernardi,G, Carretti,E, Fabbri,R, Sbarra,C, Poppi,S, Cortiglioni,S and Jonas,JL. "A polarized synchrotron template for cosmic microwave background polarization experiments based on WMAP data". *Monthly Notices of the Royal Astronomical Society*. 2004. 351,436-446.

**McKinnel,LA**

McKinnel,LA, Friedrich,M and Steiner,RJ. "A new approach to modelling the daytime lower ionosphere at auroral latitudes". *Advances in Space Research*. 2004. 34,1943-1948.

**McKinnel,LA and Poole,AWV**

McKinnel,LA and Poole,AWV. "Predicting the ionospheric F layer using neural networks". *Journal of Geophysical Research-Space Physics*. 2004. 109,1-11.

**McKinnell,LA and Poole,AWV**

McKinnell,LA and Poole,AWV. "Neural network based ionospheric modelling over the South African region". *South African Journal of Science*. 2004. 100,519-523.

**Poole,AWV**

Oyeyemi,EO and Poole,AWV. "Towards the development of a new global foF2 empirical model using neural networks". *Advances in Space Research*. 2004. 34,1966-1972.

**Poole,AWV and McKinnel,LA**

Jacobs,LC, Poole,AWV and McKinnel,LA. "An analysis of automatically scaled F1 layer data over Grahamstown, South Africa". *Advances in Space Research*. 2004. 34,1949-1952.

**Poole,LMG**

Poole,LMG. "A simplified interferometer design for use with meteor radars". *Radio Science*. 2004. 39,1-6.

Malinga,SB, Poole,LMG and Vincent,RA. "Long term variations in the mesospheric mean flow observed at Grahamstown (South Africa) and Adelaide (Australia)". *Journal of Atmospheric and Solar-Terrestrial Physics*. 2004. 66,1745-1754.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****i. Local Conferences (Within South Africa)****Jacobs,LC**

Jacobs,LC. "An analysis of the f1 layer over Grahamstown, South Africa". *South African Institute of Physics 49th Annual Conference*. University of the Free State, Bloemfontein. June/July 2004. 78.

**Manners,P**

Manners,P. "Radio frequency interference studies for the SKA site analysis". *South African Institute of Physics 49th Annual Conference*. University of the Free State, Bloemfontein. June/July 2004. 74.

**McAlpine,K**

McAlpine,K. "A study of OH masers emitted from a proto-planetary nebula". *South African Institute of Physics 49th Annual Conference*. University of the Free State, Bloemfontein. June/July 2004. 76.

**Oyeyemi,EO**

Oyeyemi,EO. "On the development of a global foF2 empirical model using neural networks". *South African Institute of Physics 49th Annual Conference*. University of the Free State, Bloemfontein. June/July 2004. 77.



**Richter,LL**

Richter,LL. "A VLBI study of SiO masers towards supergiant VY CMA". *South African Institute of Physics 49th Annual Conference*. University of the Free State, Bloemfontein. June/July 2004. 76.

**Tiplady,AJ**

Tiplady,AJ. "The effect of electromagnetic torque on pulsar precession". *South African Institute of Physics 49th Annual Conference*. University of the Free State, Bloemfontein. June/July 2004. 72.

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

**ii. International Conferences (Outside South Africa)**

**Chithambo,ML**

Chithambo,ML. "Thermoluminescence of medical quality ultra high molecular weight polyethylene". *14th International Conference on Solid State Dosimetry*. Yale University, New Haven. United States of America. June/July 2004.

**OVERSEAS RESEARCH OR FURTHER STUDY**

**McKinnell,LA**

McKinnell,LA. Graz University of Technology, Graz, Austria. Post-Doctoral Scholarship. January-May 2004.

**JOURNAL SUBSIDY UNITS**

PHYSICS	UNITS
<b>Chithambo,ML</b>	
Chithambo,ML. "Time-resolved luminescence from annealed synthetic quartz under 525um pulsed green light stimulation". <i>Radiation Measurements</i> . 2004. 38,553-555.	1.00
Chithambo,ML. "Concerning secondary thermoluminescence peaks in $Al_2O_3$ ". <i>South African Journal of Science</i> . 2004. 100,524-527.	1.00
<b>Haggard,R</b>	
Haggard,R. "Particle precipitation effects in the daytime E-region in the South Atlantic Anomaly region". <i>South African Journal of Science</i> . 2004. 100,527-529.	1.00
<b>Jonas,JL</b>	
Bernardi,G, Carretti,E, Fabbri,R, Sbarra,C, Poppi,S, Cortiglioni,S and Jonas,JL. "A polarized synchrotron template for cosmic microwave background polarization experiments based on WMAP data". <i>Monthly Notices of the Royal Astronomical Society</i> . 2004. 351,436-446.	0.14
<b>McKinnel,LA</b>	
McKinnel,LA, Friedrich,M and Steiner,RJ. "A new approach to modelling the daytime lower ionosphere at auroral latitudes". <i>Advances in Space Research</i> . 2004. 34,1943-1948.	0.34
<b>McKinnel,LA and Poole,AWV</b>	
McKinnel,LA and Poole,AWV. "Predicting the ionospheric F layer using neural networks". <i>Journal of Geophysical Research-Space Physics</i> . 2004. 109,1-11.	1.00
<b>McKinnell,LA and Poole,AWV</b>	
McKinnell,LA and Poole,AWV. "Neural network based ionospheric modelling over the South African region". <i>South African Journal of Science</i> . 2004. 100,519-523.	1.00
<b>Poole,AWV</b>	
Oyeyemi,EO and Poole,AWV. "Towards the development of a new global foF2 empirical model using neural networks". <i>Advances in Space Research</i> . 2004. 34,1966-1972.	1.00
<b>Poole,AWV and McKinnel,LA</b>	
Jacobs,LC, Poole,AWV and McKinnel,LA. "An analysis of automatically scaled F1 layer data over Grahamstown, South Africa". <i>Advances in Space Research</i> . 2004. 34,1949-1952.	1.00

<b>Poole,LMG</b>	
<i>Poole,LMG</i> . "A simplified interferometer design for use with meteor radars". <i>Radio Science</i> . 2004. 39,1-6.	1.00
<i>Malinga,SB, Poole,LMG</i> and Vincent,RA. "Long term variations in the mesospheric mean flow observed at Grahamstown (South Africa) and Adelaide (Australia)". <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> . 2004. 66,1745-1754.	0.67
TOTAL FOR PHYSICS	9.15

## **POLITICAL AND INTERNATIONAL STUDIES**

Every permanent member of the department's staff was published during the course of 2004: this was a first for the Rhodes department and, probably, for similar departments in South Africa. Another first was the appearance of articles by members of the Rhodes University department staff in three successive numbers of the local political science journal, *Politikon* – two in 2004 and one in 2003.

Dr Greg Ruiters (together with Dr David McDonald of Queens University, Canada) edited a book -- on water privatisation in Southern Africa -- that was published in London by Earthscan. Ruiters' own chapter to this work was a study of urban water supply in the Eastern Cape. This publication has been well received both in academic literature and within the NGO community. Also issued in London was Professor Vale's short monograph on the futures of Southern Africa.

Professor Paul Bischoff published a chapter, in New York, in the second of a series of acclaimed edited books on South African foreign policy. Dr Thabisi Hoeane contributed a chapter to a locally published collection on race and identity in South Africa – this is an area of increasing importance in the country and Dr Hoeane is making a strong contribution to its development. In the category of grey literature, Peter Vale turned a conference presentation into a chapter in a book that was issued by the Johannesburg-based Centre for Policy Studies.

Joint research between Professor Vale and, first, Dr Fluxman and, then, Dr Ruiters lead to the publication of two journal articles published in the United Kingdom in *International Relations* and *International Politics*. Both had a South African political theme: the joint Fluxman/Vale piece was an assessment of the life and work of the assassinated South African political scientist, Rick Turner. And the piece with Ruiters was a ten-year assessment of South Africa's democracy. Dr Louise Vincent published two-gender linked pieces - both will enjoy accreditation: one in the weighty *Journal of Legislative Studies* journal and the other in *Politikon*. Peter Vale returned to his interest in critical security studies in a journal piece that was published in the journal, *International Relations*. Also accredited was Vale's review article on post-apartheid writing in *International Relations* that appeared in *Politikon*. Professor Bischoff and Dr Hoeane published further pieces in local journals.

Drs Hoeane, Praeg and Vincent published book reviews in journals both at home and abroad: as did Professors Bischoff and Vale. The latter also contributed an item to a new encyclopaedia published in California.

Aside from South African conferences, members of the department staff attended conferences in Montreal, Tokyo, London, Paris, Toronto, Stockholm, and Moscow. As the year ended, Peter Vale was joined the Board of the *European Journal for International Studies*.

PROFESSOR P. VALE  
HEAD OF DEAPRTMENT

## **BOOKS/CHAPTERS/MONOGRAPHS**

### **Bischoff,PH**

*Bischoff,PH*. "The road towards a foreign peacekeeping commitment: South African foreign policy approaches to conflict resolution in Africa". In: Carlsnaes,W and Nel, P. (eds) *South African Foreign and Security Policy since 1994*. Praeger. New York. 2004.

### **Hoeane,T**

*Hoeane,T*. "Tradition and Tribe: Invented Pasts and Political Legitimacy in a Democratic South Africa". In: Distiller,N and Steyn, M. (eds) *Under Construction: Race and identity in South Africa Today*. Heinemann. Sandton. 2004. 163-167.

### **Vale,PC**

*Vale,PC*. "Gender rights and democracy in southern Africa". In: Landsberg,C and Mackay, S. (eds) *Southern Africa Post-apartheid? The search for democratic governance*. IDASA. Cape Town. 2004. 48-57.

Vale,PC. "Whatever happened to the post-apartheid moment? Post hopes and possible futures for southern Africa". In: Catholic Institute for International Relations . CIIR. London. 2004. 1-37.

#### **PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**

##### **Bischoff,PH**

Bischoff,PH. "Tenuous but real nonetheless: African peace agreement at the turn of 2004". *Conflict Trends - Accord*. 2004.

##### **Fluxman,AP and Vale,PC**

Fluxman,AP and Vale,PC. "Re-reading Rick Turner in the New South Africa". *International Relations*. 2004. 18(2),173-188.

##### **Hoeane,T**

Hoeane,T. "Race relations: Is there hope? SA Reconciliation Barometer". *Journal of Institute for Justice and Reconciliation*. 2004. 2(5),

##### **Vale,PC**

Vale,PC. "'New ways to remember.....'; Community in southern Africa". *International Relations*. 2004. 18(1),73-89.

Vale,PC. "International Relations in Post-apartheid South Africa: Some ten-year anniversary questions". *Politikon*. 2004. 31(2),239-249.

##### **Vale,PC and Ruiters,GD**

Vale,PC and Ruiters,GD. "The right way up? South Africa ten years on". *International Politics*. 2004. 41(3),375-393.

##### **Vincent,LD**

Vincent,LD. "Quotas: Changing the way things look but not the way things are". *Journal of Legislative Studies*. 2004. 10(1),71-96.

Vincent,LD. "What's love got to do with it? The effects of affect in the Academy". *Politikon*. 2004. 31(1),105-115.

#### **OTHER PUBLICATIONS**

##### **Bischoff,PH**

Bischoff,PH. "In search of southern regions and south-south relations". Campbell, G. (eds) *The Indian Ocean Rim- Southern Africa and Regional Cooperation*. Routledge. London. 2004.

##### **Hoeane,T**

Hoeane,T. "In the shadow of South Africa: Lesothos' economic future". *African Sociological Review*. 2004. 8.

Hoeane,T. "Reflections, projections on the Eastern Cape". *Election Update 2004 - South Africa*. 2004. (1), 32-35.

Hoeane,T. "Preliminary campaign trends and likely election outcomes". *Election Update 2004 - South Africa*. 2004. (2), 36-38.

Hoeane,T. "Media and political party campaigns". *Election Update 2004 - South Africa*. 2004. (3), 30-32.

Hoeane,T. "Political violence and intimidation". *Election Update 2004 - South Africa*. 2004. (4), 36-39.

Hoeane,T. "Preparedness in the Eastern Cape". *Election Update 2004 - South Africa*. 2004. (5), 34-36.

Hoeane,T. "Party campaigns the non-contest election in the Eastern Cape". *Election Update 2004 - South Africa*. 2004. (6), 26-32.

Hoeane,T. "Women and elections in the Eastern Cape". *Election Update 2004 - South Africa*. 2004. (9), 17-20.

**Hoeane,T.** "Election monitoring in the Eastern Cape 2004 election". *Election Update 2004 - South Africa*. 2004. (10), 38-40.

**Praeg,L**

**Praeg,L.** "Conspiracy to Murder: The Rwandan Genocide". Melvin, L. (eds) *Contemporary African Studies*. 2004. 22(3).

**Ruiters,G**

**Ruiters,G.** "Introduction: From Public to Private (to Public Again?)". Ruiters,G and McDonald, D. (eds) *The Age of Commodity, Water Privatisation in Southern Africa*. Earthscan. London. 2004. 1-9.

**Vale,PC**

**Vale,PC.** "Weapons of mass destruction: An encyclopaedia of Worldwide Policy, Technology and History". Croddy,A and Wirts, J. (eds) *South Africa: Nuclear*. ABC-CLIO. Santa Barbara. 2004.

**Vincent,LD**

**Vincent,LD.** "Women making constitutions". *Commonwealth and Comparative Politics*. 2004. 42(3).

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

**i. Local Conferences (Within South Africa)**

**Fluxman,AP**

**Fluxman,AP.** "Coordination versus ideology". *South African Philosophy Association Conference*. Howick. January 2004.

**Hoeane,T**

**Hoeane,T.** "The PAC, Azapo and ID in the 2004 Elections". *Centre for Social Science Research (CSSR)*. Cape Town. April 2004.

**Ruiters,G**

**Ruiters,G.** "Governance and Prepaid Services in South Africa". *Coalition Against Water Privatisation*. Johannesburg. 2004.

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

**ii. International Conferences (Outside South Africa)**

**Fluxman,AP**

**Fluxman,AP.** "Rosen's critique of the theory of ideology". *4th Nordic Network in Political Theory Conference*. October 2004.

**Hoeane,T**

**Hoeane,T.** "Searching for an alternative: Third Parties in South Africa's transition to democracy". *International Conference - South Africa Ten Years On*. London. England. September 2004.

**Praeg,L**

**Praeg,L.** "Complexity theory and violence". *Third International Conference on Hierarchy and Power in the History of Civilization*. Moscow. Russia. June 2004.

**Ruiters,G**

**Ruiters,G.** "Depoliticization and deactivation in the new South Africa, local services and political identity". *Celebrating the Career of John Saul Conference*. Toronto. Canada. October 2004.

**Ruiters,M**

Ruiters,M. "Re-imagining and re-claiming identity: KhoiSan Identity in a Post-Apartheid South Africa". *The power of expression: Identity, Language and Memory in Africa and the Diaspora*. New Orleans. USA. November 2004.

**Vale,PC**

Vale,PC. "Whatever happened to the post-apartheid moment in South Africa". *Annual Conference of the Australian-Pacific Studies Association*. Perth. Australia. 2004.

Vale,PC. "Fearful humanity and the project of human security". *Human Security and Beyond Conference*. Paris. France. 2004.

Vale,PC. "Whatever happened to the post-apartheid moment in South Africa". *Futures for Southern Africa Conference*. London. England. 2004.

Vale,PC. "Fearful humanity and the project of human security". *Human Security after 9/11 Conference*. Tokyo. Japan. 2004.

Vale,PC. "Democracy, Pluralism and South Africa". *Convention of International Studies Association*. Montreal. Canada. 2004.

**DISTINGUISHED VISITORS**

Professor G Arrighi. John Hopkins University, Baltimore USA. Lecture/Seminar. March 2004.

Professor H Campbell. Syracus University, New York, USA. Lecture/Seminar. November 2004.

Professor A Depelchin. San Francisco State University, USA. Lecture/Seminar. July 2004.

Professor M Donaldson. University of Fort Hare, Alice. Lecture/Seminar. September 2004.

Professor A Drainville. Laval University, Canada. To teach the Diploma course, also gave a seminar/talk. August-October 2004.

Mr N Jeenah. WITS University, Johannesburg. Lecture/Seminar. August 2004.

Mr S Naidoo. Ministry of Defence, Pretoria. To teach the Diploma course, also gave a seminar/talk. February 2004.

Dr M Rupiya. Institute for Security Studies, Pretoria. To teach the Diploma course, also gave a seminar/talk. March 2004.

Professor J Seiler. Retired. Lecture/Seminar (A retired political scientist from America). April 2004.

His Excellency T Shigeie. Embassy of Japan in South Africa, Pretoria. Lecture/Talk. October 2004.

Dr L Swatuk. University of Botswana, Gabarone. To teach the Diploma course, also gave a seminar/talk. May 2004.

**JOURNAL SUBSIDY UNITS**

<b>POLITICAL AND INTERNATIONAL STUDIES</b>	<b>UNITS</b>
<b>Fluxman,AP and Vale,PC</b>	
<i>Fluxman,AP and Vale,PC</i> . "Re-reading Rick Turner in the New South Africa". <i>International Relations</i> . 2004. 18(2),173-188.	1.00
<b>Vale,PC</b>	
<i>Vale,PC</i> . "'New ways to remember.....'; Community in southern Africa". <i>International Relations</i> . 2004. 18(1),73-89.	1.00

Vale,PC. "International Relations in Post-apartheid South Africa: Some ten-year anniversary questions". <i>Politikon</i> . 2004. 31(2),239-249.	1.00
<b>Vale,PC and Ruiters,GD</b>	
Vale,PC and Ruiters,GD. "The right way up? South Africa ten years on". <i>International Politics</i> . 2004. 41(3),375-393.	1.00
<b>Vincent,LD</b>	
Vincent,LD. "Quotas: Changing the way things look but not the way things are". <i>Journal of Legislative Studies</i> . 2004. 10(1),71-96.	1.00
Vincent,LD. "What's love got to do with it? The effects of affect in the Academy". <i>Politikon</i> . 2004. 31(1),105-115.	1.00
<b>TOTAL FOR POLITICAL AND INTERNATIONAL STUDIES</b>	<b>6.00</b>

## PSYCHOLOGY

During the 2004 academic year, the Department of Psychology saw four book chapters being published, as well as 18 full-length papers in professional journals. Regarding the book chapters and journal articles, the content areas were very diverse, ranging from traumatic brain injury in sports through to organizational development in African cultures, right-wing authoritarianism regarding prejudice amongst heterosexual males and a range of cross-cultural studies including cognitive assessments, land invasion and discourses of culture and illness.

In addition to the subsidisable publications, there were also eight publications in various formats such as on-line information sites and review articles in a wide range of publication outlets, all of which are of a high professional calibre. Nine staff members presented papers at national and international conferences during the year and there was a further presentation of five workshops at professional meetings.

One of the Department's staff members (Mr D Painter) proceeded overseas (University of Crete, Greece) during his study leave and Professor R D Schweitzer from the Queensland University of Technology spent some time in the Department as a distinguished visitor.

Overall, given high teaching loads and very large postgraduate school commitments, the Departmental profile reflects an active research endeavour on the part of its staff members.

The Department has 27 Master's and PhD students registered for 2005, and 12 of the 2004 cohort will be graduating this year.

PROFESSOR C. STONES  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### **Routledge,MHC**

*Routledge,MHC*. "A case study of a private sector organisation in Zimbabwe undergoing continuous change". In: Moerdyk, A. (eds) *Organisational Development*. New Africa Books. Cape Town. 2003. 1(3), 236-247.

*Routledge,MHC*. "Organisational Development in African cultures with particular references to the NGO sector". In: Moerdyk, A. (eds) *Organisational Development*. New Africa Books. Cape Town. 2003. 1(2), 122-133.

Bolsmann,C, Rugunanan,P and *Routledge,MHC*. "Defining Organisational Development". In: Moerdyk, A. (eds) *Organisational Development*. New Africa Books. Cape Town. 2003. 1(1), 24-54.

### **Shuttleworth-Edwards,AB, Border,M and Reid,I**

*Shuttleworth-Edwards,AB, Border,M, Reid,I and Radloff,SE*. "Traumatic Brain Injury in Sports: An international neuropsychological perspective". In: Lovell, MR. (eds) *South African Rugby Union*. Swets & Zeitlinger. The Netherlands. 2004. 1(9), 149-168.

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### **Appalsamy,P**

*Appalsamy,P*. "The Process and Phases of Arthur Crew Inman's Suicidal Career". *South African Journal of Psychology*. 2004. 34(2),237-258.

### **Edwards,DJA**

*Edwards,DJA, Dattilio,FM and Bromley,DB*. "Developing evidence-based practice: The role of case-based research". *Professional Psychology: Research and Practice*. 2004. 35(6),589-597.

*Edwards,DJA and Moldan,S*. "Bulimic pathology in black students in South Africa: Some unexpected findings". *South African Journal of Psychology*. 2004. 34(2),191-205.



**Knight,Z G**

*Knight,Z G and Wallace,K.* "The experience of two displaced white women Zimbabwean farmers: The impact of organised political violence". *British Journal of Psycho-Social Studies*. 2004. 3(2),

**Knight,ZG**

*Knight,ZG.* "Patients' coaching behaviours, transference testing and the corrective emotional experience: Transcending the self in psychotherapy". *South African Journal of Psychology*. 2004. 34(1),84-100.

**Knoetze,JJ**

*Van der Riet,M and Knoetze,JJ.* "Help-Seeking Patterns in Urban and Rural Youth in Two South African Provinces". *School Psychology International*. 2004. 25(2),223-240.

**Painter,D**

*Painter,D and Baldwin,R.* "'They all speak your language anyway....': Language and racism in a South African school". *South African Journal of Psychology*. 2004. 34(1),1-24.

*Painter,D and Terre Blanche,M.* "Critical Psychology in South Africa: Looking back and looking ahead". *South African Journal of Psychology*. 2004. 34(4),520-543.

**Shuttleworth-Edwards,AB**

*Shuttleworth-Edwards,AB.* "Additive and variability effects in sports concussion research". *Journal of the International Neuropsychology Society*. 2004. 10,1.

*Shuttleworth-Edwards,AB, Donnelly,MJR, Reid,I and Radloff,SE.* "A cross-cultural study with culture fair normative indications on WAIS-III Digit Symbol - Incidental Learning". *Journal of Clinical and Experimental Neuropsychology*. 2004. 26(7),921-932.

*Shuttleworth-Edwards,AB, Kemp,RD, Rust,AL, Muirhead,JGL, Hartman,NP and Radloff,SE.* "Cross-cultural effects on IQ test performance: A review and preliminary normative indications on WAIS-III test performance". *Journal of Clinical and Experimental Neuropsychology*. 2004. 26(7),903-920.

**Swingler,DD**

*Willows,S, Patterson,BD and Swingler,D.* "Prevalence of and risk factors for tardive dyskinesia in a Xhosa population in the Eastern Cape of South Africa". *Schizophrenia Research*. 2004. 1-9.

*Swingler,DD, Patterson,BD and Willows,S.* "Prevalence of and risk factors for tardive dyskinesia in a Xhosa population in the Eastern Cape". *South African Journal of Psychiatry*. 2004. 10(3),88.

**Yen,J**

*Yen,J and Wilbraham,L.* "Discourses of culture and illness in South African mental health care and indigenous healing Part I: Western psychiatric power". *Transcultural Psychiatry*. 2003. 40(4),542-561.

*Yen,J and Wilbraham,L.* "Discourses of culture and illness in South African mental health care and indigenous healing Part 2: African mentality". *Transcultural Psychiatry*. 2003. 40(4),562-584.

**OTHER PUBLICATIONS****Earl-Taylor,MA, Stones,CR and Knight,ZG**

*Earl-Taylor,MA, Stones,CR and Knight,ZG.* "Investigative Psychology and Psychological Profiling: A South African Perspective". 2004.

**Painter,D**

*Painter,D.* "A review: John T Jost & Brenda Major, the psychology of legitimacy 2001)". *South African Journal of Psychology*. UNISA Press. Pretoria. 2004. 34, 706-709.

**Stones,CR and Earl-Taylor,MA**

*Stones,CR and Earl-Taylor,MA.* "Tough South African Legislation Clips the Tails of the Country's Dogs of War - Letter from Grahamstown South Africa". *Dispatches: Fairleigh Dickinson University's Global Issues Gateway*. www.gig.org. New Jersey USA. 2004.

*Stones,CR and Earl-Taylor,MA.* "HIV/AIDS the so-called Virgin Cure and Child Rape in South Africa Letter from Grahamstown South Africa". *Dispatches: Fairleigh Dickinson University's Global Issues Gateway*. www.gig.org. New Jersey USA. 2004.

*Stones,CR and Earl-Taylor,MA.* "America's Clash of Civilizations - Letter from Grahamstown South Africa". *Dispatches: Fairleigh Dickinson University's Global Issues Gateway*. www.gig.org. New Jersey USA. 2004.

*Stones,CR and Earl-Taylor,MA.* "Road Rage in South Africa: The problem, psychological factors and possible solutions - Letter from Grahamstown South Africa". *Dispatches: Fairleigh Dickinson University's Global Issues Gateway*. www.gig.org. New Jersey USA. 2004.

*Stones,CR and Earl-Taylor,MA.* "Human Rights in South Africa: Under one of the world's finest constitutions - Letter from Grahamstown South Africa". *Dispatches: Fairleigh Dickinson University's Global Issues Gateway*. www.gig.org. New Jersey USA. 2004.

**Swingler,DD**

*Swingler,DD.* "Second generation antipsychotics: A role in South Africa". *Science in Africa*. 2004. 32.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****i. Local Conferences (Within South Africa)****Edwards,DJA**

*Edwards,DJA.* "Critical Methods 9: Trauma in context". *National Conference on Victim Empowerment*. International Conference Centre, Durban. August 2004.

**Knoetze,JJ**

*Knoetze,JJ.* "In conversation with Barney: A critical discourse analysis of interaction between a child with autism and his co-participants". *10th South African Psychology Congress*. Durban. December 2004.

**Steele,G**

*Milne,C and Steele,G.* "Fear of crime and indirect victimization". *9th Annual Critical Methods Conference: Trauma in Context*. Durban. August 2004.

**Swingler,DD**

*Swingler,DD.* "Prevalence of and Risk Factors for Tardive Dyskinesia in a Xhosa Population in the Eastern Cape". *13th National Congress of South African Society of Psychiatrists*. Champagne Sports Resort, Drakensberg. September 2004.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****ii. International Conferences (Outside South Africa)****Appalsamy,P**

*Appalsamy,P.* "The Process and Phases of Arthur Inman's Suicidal Career". *36th Annual Conference of the American Association of Suicidology*. Washington DC. USA. 2004. 129-132.

*Appalsamy,P.* "The Process of Suicide: A phenomenological case study". *37th Annual American Association of Suicidology*. Miami. USA. April 2004.

**Knight,ZG**

*Knight,ZG.* "Patients' coaching behaviours, transference testing and the corrective emotional experience: Transcending the self in psychotherapy". *28th International Congress of Psychology*. Beijing. China. August 2004.

*Knight,ZG.* "The training of psychologists, and by implication, the majority of practitioners of psychotherapy in South Africa". *2nd Asian International Congress for Psychotherapy*. Tehran. Iran. September 2004. 74.

**Shuttleworth-Edwards,AB**

*Shuttleworth-Edwards,AB.* "Never say Never: Additive and variability effects in sports concussion research". *32nd Annual meeting of the International Neuropsychological Society*. Baltimore. USA. February 2004.

**Stones,CR**

*Stones,CR.* "The Transgression of Taboos - Freedom or Condemnation: The Psychology of Becoming oneself". *28th International Congress of Psychology*. Beijing. China. August 2004.

*Stones,CR.* "A Return to Self - by Leaving: A Case Study of Departure from the Family". *2nd Asian Psychotherapy Conference*. Tehran. Iran. September 2004.

**CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.****Knoetze,J**

*Meistre,B and Knoetze,J.* Interactive poster and projective therapy test for official P. Malaise: A projective (non-test). Durban Convention Centre. Durban. 21-23 September 2004.

**Shuttleworth-Edwards,AB**

*Shuttleworth-Edwards,AB.* Participant. "*How malingerers perform on select neuropsychological tests*". South African Neuropsychological Society Eastern Cape Division. Grahamstown. 22 May 2004.

*Shuttleworth-Edwards,AB.* Participant. "*Critical issues in the neuropsychology of sports concussion*". South African Sports Medicine Association. Durban. 29 July 2004.

*Shuttleworth-Edwards,AB.* Participant. "*The management of mild traumatic brain injury in the sports arena*". South African Neuropsychological Society Eastern Cape Division. Grahamstown. 21 August 2004.

*Shuttleworth-Edwards,AB and Lovell,M.* Participant. "*Current research on computer-based assessment and management of sports concussion*". Western Province Sports Medicine Association. Sports Science Institute. Cape Town. 16 April 2004.

*Shuttleworth-Edwards,AB and Lovell,M.* Participant. "*Practitioner update on mild traumatic brain injury and its management in the sports arena*". Rhodes University National Sports Concussion Initiative. University of Stellenbosch. Stellenbosch. 21 April 2004.

**OVERSEAS RESEARCH OR FURTHER STUDY****Painter,D**

*Painter,D.* University of Crete, Rethymno, Greece. Social Psychology: Citizenship and social exclusion. 10 September - 8 November 2004.

**DISTINGUISHED VISITORS**

Professor RD Schweitzer. Queensland University of Technology, Queensland Australia. Research. November- 2004.

## JOURNAL SUBSIDY UNITS

PSYCHOLOGY	UNITS
<b>Appalsamy,P</b>	
<i>Appalsamy,P.</i> "The Process and Phases of Arthur Crew Inman's Suicidal Career". <i>South African Journal of Psychology</i> . 2004. 34(2),237-258.	1.00
<b>Edwards,DJA</b>	
<i>Edwards,DJA, Dattilio,FM and Bromley,DB.</i> "Developing evidence-based practice: The role of case-based research". <i>Professional Psychology: Research and Practice</i> . 2004. 35(6),589-597.	0.34
<i>Edwards,DJA and Moldan,S.</i> "Bulimic pathology in black students in South Africa: Some unexpected findings". <i>South African Journal of Psychology</i> . 2004. 34(2),191-205.	1.00
<b>Knight,ZG</b>	
<i>Knight,ZG.</i> "Patients' coaching behaviours, transference testing and the corrective emotional experience: Transcending the self in psychotherapy". <i>South African Journal of Psychology</i> . 2004. 34(1),84-100.	1.00
<b>Knoetze,JJ</b>	
<i>Van der Riet,M and Knoetze,JJ.</i> "Help-Seeking Patterns in Urban and Rural Youth in Two South African Provinces". <i>School Psychology International</i> . 2004. 25(2),223-240.	0.50
<b>Painter,D</b>	
<i>Painter,D and Baldwin,R.</i> "'They all speak your language anyway....': Language and racism in a South African school". <i>South African Journal of Psychology</i> . 2004. 34(1),1-24.	1.00
<i>Painter,D and Terre Blanche,M.</i> "Critical Psychology in South Africa: Looking back and looking ahead". <i>South African Journal of Psychology</i> . 2004. 34(4),520-543.	0.50
<b>Shuttleworth-Edwards,AB</b>	
<i>Shuttleworth-Edwards,AB, Donnelly,MJR, Reid,I and Radloff,SE.</i> "A cross-cultural study with culture fair normative indications on WAIS-III Digit Symbol - Incidental Learning". <i>Journal of Clinical and Experimental Neuropsychology</i> . 2004. 26(7),921-932.	0.75
<i>Shuttleworth-Edwards,AB, Kemp,RD, Rust,AL, Muirhead,JGL, Hartman,NP and Radloff,SE.</i> "Cross-cultural effects on IQ test performance: A review and preliminary normative indications on WAIS-III test performance". <i>Journal of Clinical and Experimental Neuropsychology</i> . 2004. 26(7),903-920.	0.83
<b>Swingler,D</b>	
<i>Willows,S, Patterson,BD and Swingler,D.</i> "Prevalence of and risk factors for tardive dyskinesia in a Xhosa population in the Eastern Cape of South Africa". <i>Schizophrenia Research</i> . 2004. 1-9.	0.34
<b>TOTAL FOR PSYCHOLOGY</b>	<b>7.26</b>

## RUMEP

With the introduction of the New Curriculum, staff were fully involved in the writing of the Mathematics component of the New Curriculum. RUMEP is also involved in developing resources for the introduction of Maths Literacy in 2006. In spite of their heavy commitments, RUMEP staff continued with their own research.

The Director, Ms Rose Spanneberg, completed her PhD in Mathematics Education (Curtin University, Australia) and will graduate in February 2005. She investigated the impact of the RUMEP ACE (Mathematics) course on teachers' classroom practices. The Assistant Director, Dr Bruce Brown is in the process of completing his M.Ed in Mathematics Education (Rhodes University). Course Co-ordinator, Mr Tom Penlington submitted his M.Ed in Mathematics Education (Rhodes University) for examination and should graduate in April 2005. Facilitators Mr Thomas Haywood and Mrs Thami Tokwe are currently registered at Rhodes University for M.Ed in Mathematics Teaching. Mr Mwezeni Nela (Facilitator Maths Literacy) completed his PhD dissertation in Management and is awaiting results from the examiners (University of Port Elizabeth).

Dr Bruce Brown presented a paper at the SAARMSTE 12<sup>th</sup> Annual Meeting in January 2004. Mr Tom Penlington presented a paper at the AMESA 10<sup>th</sup> National Congress in July 2004.

DR. R. SPANNEBERG  
DIRECTOR

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

#### i. Local Conferences (Within South Africa)

##### **Brown, B**

*Brown, B.* "Developing an instrument to investigate professional development activities in RUMEP collegial clusters". *12th Annual Conference of the Southern African Association for Research in Mathematics, Science and Technology Education*. University of Cape Town, Cape Town. January 2004. 14. 95-101.

##### **Penlington, T**

*Penlington, T.* "Investigation into the teaching of geometry in the Intermediate phase". *10th National Congress of the Association for Mathematics Education of South Africa*. North West University, Durban. July 2004. 15. 192-198.

### JOURNAL SUBSIDY UNITS

<b>RUMEP</b>	<b>UNITS</b>
TOTAL FOR RUMEP	0.00

## SCHOOL OF LANGUAGES

2004 was a successful year for the School of Languages, particularly in the area of conference attendance and participation. Professor François Jaques from French Studies, who was Vice President of the Association of French Studies in Southern Africa, attended and read a paper at the Association's bi-annual conference in Stellenbosch in September. An invitation has been extended by French Studies at Rhodes to host the Association's next conference in 2006. Dr Godfrey Meintjes from Afrikaans and Netherlandic Studies, visited the universities of Wroclaw and Warsaw in Poland where courses in Dutch and Afrikaans are offered. Ms Bulelwa Nosilela from African Languages presented two seminars and a lecture at the University of Duisberg-Essen in Germany. Mr Warren Snowball from Classical Studies organized a study tour of Greece in April.

Two visitors from the University of Duisberg-Essen gave lectures in the School during 2004. Professor R Baur held seminars in German Studies and Dr Micheline Baur taught students at third year and Honours level in French Studies on aspects of contemporary France. Professor Eckhart Momber, University of Kyoto, Japan conducted a seminar in German Studies and Professor J Atkinson from UCT gave lectures to students in Classical Studies.

Research papers by Professor François Jaques, Emeritus Professor Patrick Fein and Ms Undine Weber were published in the course of the year and Ms Claire Cordell submitted her doctoral thesis on the 16<sup>th</sup> Century frame novel in France.

There were no registered MA or PhD students in the School during 2004.

PROFESSOR F. JAQUES  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### Fein,P L-M

*Fein,P L-M.* "Crébillon's Use of Humour and Satire in Les Egarements du coeur et de l'esprit". In: Pratt,T and McCallam, D. (eds) *The Enterprise of Enlightenment*. Peter Lang. Bern. 2004. 55-66.

### Weber,U

*Weber,U.* "Exit: Odysseus.Zum Verschwinden einer Romansgestalt in Wolfgang Koeppens *Tauben im Gras*.". In: Annas, R. (eds) *Fremdsprachenunterricht und Literatur in Forschung und Lehre. Festschrift für Rainer Kussler*. Sun Press. Stellenbosch. 2004. 253-263.(In Press).

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### Jaques,FE

*Jaques,FE.* "Poésie et culpabilité dans les romans de Mauriac". *Nouveaux Cahiers Francois Mauriac*. 2004. (12),39-47.

## OTHER PUBLICATIONS

### Fein,P L-M

*Fein,P L-M.* "Crébillon fils: Les Egarements du coeur et de l'esprit". *Journal of European Studies*. 2004. 34(4), 354-355.

### Weber,U

*Weber,U.* "Gescheiterte Begegnungen. Weisse Frauen und schwarze Männer in Wolfgang Koeppens *Nachkriegsromanen*". *TRANS.Internet Journal for Cultural Sciences*. 2004. (In Press).

## JOURNAL SUBSIDY UNITS

SCHOOL OF LANGUAGES	UNITS
TOTAL FOR SCHOOL OF LANGUAGES	0.00

## **SOCIOLOGY AND INDUSTRIAL SOCIOLOGY**

The Department of Sociology and Industrial Sociology was very active in the area of research during 2004. Eight chapters in books, two articles in accredited journals, as well as other publications.

Dr Miller participated in a panel discussion on SABC 'Round Table' with John Perlman on "South Africa in Africa" on 28 November 2004 (Harold Wolpe Trust, Penguin Films, Cape Town).

Staff attended 16 conferences, nationally and Internationally, the latter includes England, the DRC, Germany, Russia, Canada, USA and China.

The year started with our department celebrating Rhodes Centenary Year with an Exhibition of staff publications over the weekend of graduation and again in the June vacation.

During August 2004, Professor Hendricks and Peter Vale, organized the Academic Freedom Symposium - The Legacy of DCS Oosthuizen and the Critical Tradition Colloquium which formed part of the Rhodes Centenary celebrations.

Professor Adesina coordinated a sponsored short course programme on "Public Policy Analysis Capacity Building" for the Open Society Initiative of Southern Africa (OSISA). Participants came from Southern Africa.

The following students will graduate with **Honours** degrees:

601C3002 Chisaka, Janet  
600E1556 Efstratiou, Andri  
600F0218 Forrester, Scott  
601K1115 Khama, Tamara  
603M2063 Maema, Mapule  
601M1683 Mamba, Sbongiseni  
601M1209 Mantshule, Thembi  
604M5233 Mtero, Farai  
601N0777 Nyarenda, Sandra  
601P2958 Pfaff, Angela  
601P1793 Pringle, Jessica  
601S3694 Stirling, Kim

### **Doctorate**

Adv. Gilton Klerck completed his PhD.

PROFESSOR F. HENDRICKS  
HEAD OF DEPARTMENT

## **BOOKS/CHAPTERS/MONOGRAPHS**

### **Drewett,MD**

*Drewett,MD.* "Aesopian strategies of textual resistance in the struggle to overcome the censorship of popular music in Apartheid South Africa". In: Muller, B. (eds) *Censorship and Cultural Regulation in the Modern Age*. Rodopi Press. Amsterdam. 2004. 190-207.

*Drewett,MD.* "Remembering subversion". In: Korpe, M. (eds) *Shoot the Singer!*. Zed Books. London. 2004. 88-93.

### **Hendricks,FT**

*Hendricks,FT.* "Institutional inequalities in the politics of knowledge production in South Africa since 1994". In: Hendricks, FT. (eds) *Social Sciences in South Africa since 1994: Disciplinary and Trans- disciplinary Areas of Study*. Iser . Pretoria. 2004. (1), 16. (In Press).

Hendricks,FT. "The rise and fall of South African Sociology". In: Hendricks, FT. (eds) Iser. Pretoria. 2004. (17), 26. (In Press).

**Ziehl,SC**

Ziehl,SC. "Families in South Africa". In: Adams, B. (eds) Handbook of World Families. Sage Publications. USA. 2004. 47-63.

Ziehl,SC. "The Family and Social Cohesion". In: Chidester, D. (eds) Globalisation and Social Cohesion in South Africa. HSRC Press. Cape Town. 2004. (9), 195-223.

Ziehl,SC. "Household Structures". In: Amoateng, A. (eds) Families and Households in Post-Apartheid South Africa. HSRC Press. Cape Town. 2004. (In Press).

Ziehl,SC. "The Impact of HIV/Aids on Household Structures in South Africa". In: Amoateng, A. (eds) Families and Households in Post-Apartheid South Africa. HSRC Press. Cape Town. 2004. (In Press).

**PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**

**Adesina,JOT**

Adesina,JOT. "NEPAD and the challenge of Africa's development: Towards the political economy of a discourse". *Society in Transition: Journal of the South African Sociological Association*. 2004. 35(1),125-144.

**Miller,D**

Miller,D. "South African multinational corporations: NEPAD and competing spatial claims on Post-Apartheid Southern Africa". *African Sociological Review/Revue Africaine De Sociologie*. 2004. 8(1),176-202.

**OTHER PUBLICATIONS**

**Miller,D**

Miller,D. "South African Multinational Corporations: NEPAD and competing spatial claims on Post-Apartheid Southern Africa". Institute for Global Dialogue. 2004. 40. (In Press).

**Ziehl,SC**

Ziehl,SC. "Globalization and Family Patterns - A View from South Africa". Therborn, G. (eds) African Families in Global Context. Nordiska Afrikainstitutet. Uppsala, Sweden. 2004. 131(98), 118.

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

**i. Local Conferences (Within South Africa)**

**Adesina,JOT**

Adesina,JOT. "Discourse of Poverty and the Poverty of Discourse: Poverty and inequality in South Africa". *South African Sociological Association*. University of the Free State, Bloemfontein. July 2004.

Adesina,JOT. "From Development Crisis to Development Failure: Africa's encounter with neoliberalism". *South African Sociological Association*. University of the Free State, Bloemfontein. July 2004.

**Drewett,MD**

Drewett,MD. "Packaging desires: Album covers and the presentation of apartheid". *Composing Apartheid: New Music Indaba Conference*. Rhodes University, Grahamstown. June 2004.

Drewett,MD. "Is anything undesirable these days? Changing dynamics in Popular Music Censorship in Post-Apartheid South Africa". *Ten Years of Democracy in Southern Africa Conference*. UNISA, Pretoria. August 2004.



**Miller,D**

Miller,D. "New regional imaginaries in Post-Apartheid Southern Africa - retail workers at a shopping mall in Zambia". *South African Sociological Association*. University of the Free State, Bloemfontein. July 2004.

**Sishuta,HB**

Sishuta,HB. "Violent crime on commercial farms in South Africa". *South African Sociological Association*. University of the Free State, Bloemfontein. July 2004.

**Ziehl,SC**

Ziehl,SC. "The Impact of HIV/Aids on Household Structure in South Africa". *South African Sociological Association*. University of the Free State, Bloemfontein. July 2004.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES  
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****ii. International Conferences (Outside South Africa)****Adesina,JOT**

Adesina,JOT. "From Development Crisis to Development Failure: Africa's encounter with neoliberalism". *International Development Associates Conference on The Economics of New Imperialism*. Jawaharlal Nehru University, New Delhi. India. January 2004.

Adesina,JOT. "The New Imperialism and the Impoverishment of Nations: Africa's experience". *World Social Forum (international development associates panel)*. Mumbai. India. January 2004.

Adesina,JOT. "NEPAD and the Challenge of Development: Towards the political economy of a discourse". *International Studies Association Congress*. Montreal. Canada. February 2004.

Adesina,JOT. "State and Civil Society Relations: Intergenerational epistemic issues in the analysis of Africa". *African Political Economy Conference*. Sheffield. England. May 2004.

Adesina,JOT. "Academic Freedom and National Development". *CODESRIA Mission*. University of Kinshasa, Kinshasa. DRC. June 2004.

**Coetzee,JK**

Coetzee,JK. "Qualitative social research with a view to policy formulation and planning in the developing world". *The State of the Art of Qualitative Social Research in Europe*. Technical University, Berlin. Germany. September 2004.

**Miller,D**

Miller,D. "New Regionalisation Processes in Post-Apartheid Southern Africa". *Russian Institute for African Studies*. Moscow. Russia. June 2004.

Miller,D. "South Africa and the IBSA (India-Brazil-South Africa) initiative - constraints and challenges". *Brazilian Political Science Association*. Campus du PUC-RJ, Rio de Janeiro. USA. July 2004.

Miller,D. "Regional Renaissance and Regional Resistance - South African multinationals in Post-Apartheid Southern Africa". *John Saul Conference on Africa: next liberation struggle*. University of York, Toronto. Canada. October 2004.

**Ziehl,SC**

Ziehl,SC. "Globalization, Migration and Family Diversity". *International Institute of Sociology (IIS)*. International Institute of Sociology, Beijing. China. July 2004.

## CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

### Miller,D

Miller,D. Round table discussion. *"Monitoring South African corporate behaviour in Southern Africa"*. Contractions of Renaissance - South African MNCs in Africa. Benchmarks Foundation of Southern Africa and Christian Aid Africa. Johannesburg. 26 November 2004.

Miller,D. Performer. *"South Africa in Africa"*. The Round Table. SABC panel Penguin Films. Cape Town. 28 November 2004.

## DISTINGUISHED VISITORS

Dr T Abebe. University of Addis Ababa, Addis Ababa, Ethiopia. Visiting lecturer. Jan-March 2004.

Professor G Arrighi. Johns Hopkins University, Baltimore USA. Public lecture. March 2004.

Professor S Bekker. University of Stellenbosch, Stellenbosch. Visiting lecturer. July 2004.

Dr IP Onyeonoru. University of Ibadan, Ibadan, Nigeria. Visiting lecturer. April-June 2004.

Professor P Suarez. Uppsala University, Uppsala, Sweden. Public lecture. May 2004.

Mr L Thaver. University of the Western Cape, Cape Town. Visiting lecturer. Jan-March 2004.

## JOURNAL SUBSIDY UNITS

SOCIOLOGY	UNITS
<b>Adesina,JOT</b>	
Adesina,JOT. "NEPAD and the challenge of Africa's development: Towards the political economy of a discourse". <i>Society in Transition: Journal of the South African Sociological Association</i> . 2004. 35(1),125-144.	1.00
<b>Miller,D</b>	
Miller,D. "South African multinational corporations: NEPAD and competing spatial claims on Post-Apartheid Southern Africa". <i>African Sociological Review/Revue Africaine De Sociologie</i> . 2004. 8(1),176-202.	1.00
TOTAL FOR SOCIOLOGY	2.00

## STATISTICS

Members of the Department of Statistics in 2004 were involved in joint research with the Departments of Zoology and Entomology, Biochemistry, Microbiology and Biotechnology, Pharmacy, Ichthyology and Psychology which resulted in seven publications. Collaborative research with the Department of Zoology and Entomology and some foreign institutions in Germany included a novel solution to studying genetic variation in honeybee population based on thelytokous worker reproduction. In another paper it was shown that honeybees neither have to measure nor construct the highly regular structure of a honeycomb and that the observed pattern of combs can be parsimoniously explained by wax flowing in liquid equilibrium. In a joint research involving four different academic departments a paper was published where five candidate probiotics, isolated from the clownfish, were examined for their ability to attach to fish intestinal mucus and to compete with two pathogens.

Professor Sarah Radloff was elected as National President of SASA at the annual conference held in Bloemfontein in November 2004.

During 2004 the Department had one PhD and three MSc students. Two MSc students will graduate in 2005.

PROFESSOR I. SZYSZKOWSKI  
ACTING HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### Radloff,SE

*Shuttleworth-Edwards,AB, Border,M, Reid,I and Radloff,SE. "Traumatic Brain Injury in Sports: An international neuropsychological perspective". In: Lovell, MR. (eds) South African Rugby Union. Swets & Zeitlinger. The Netherlands. 2004. 1(9), 149-168.*

## PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

### Baxter,J

*Vine,NG, Leukes,WD, Kaiser,H, Daya,S, Baxter,J and Hecht,T. "Competition for attachment of aquaculture candidate probiotic and pathogenic bacteria on fish intestinal mucus". *Journal of Fish Diseases*. 2004. 27(6),319-326.*

### Radloff,SE

*Amssalu,B, Nuru,A, Radloff,SE and Hepburn,HR. "Multivariate morphometric analysis of honeybees (*Apis mellifera*) in the Ethiopian region". *Apidologie*. 2004. 35,71-81.*

*Hepburn,HR, Neumann,P and Radloff,SE. "Genetic variation in natural honeybee populations, *Apis mellifera capensis*". *Naturwissenschaften*. 2004. 91(9),447-450.*

*Hepburn,HR and Radloff,SE. "The wing coupling apparatus and the morphometric analysis of honeybee populations". *South African Journal of Science*. 2004. 100,565-570.*

*Pirk,CWW, Hepburn,HR, Radloff,SE and Tautz,J. "Honeybee combs: Construction through a liquid equilibrium process?". *Naturwissenschaften*. 2004. 91,350-353.*

*Rivett,K, Kruger,L and Radloff,SE. "Intracyanine-assisted internal limiting membrane peeling in macular hole repair: Does it make a difference?". *Graefes Archive for Clinical and Experimental Ophthalmology*. 2004. 242,393-396.*

*Shuttleworth-Edwards,AB, Donnelly,MJR, Reid,I and Radloff,SE. "A cross-cultural study with culture fair normative indications on WAIS-III Digit Symbol - Incidental Learning". *Journal of Clinical and Experimental Neuropsychology*. 2004. 26(7),921-932.*

Shuttleworth-Edwards,AB, Kemp,RD, Rust,AL, Muirhead,JGL, Hartman,NP and Radloff,SE. "Cross-cultural effects on IQ test performance: A review and preliminary normative indications on WAIS-III test performance". *Journal of Clinical and Experimental Neuropsychology*. 2004. 26(7),903-920.

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

### i. Local Conferences (Within South Africa)

#### Radloff,SE

Radloff,SE. 51st Annual Conference of South African Statistical Association. University of the Free State, Bloemfontein. November 2004.

#### Sypkens,R

Sypkens,R. 51st Annual Conference of South African Statistical Association. University of the Free State, Bloemfontein. November 2004.

## OVERSEAS RESEARCH OR FURTHER STUDY

#### Radloff,SE

Radloff,SE. Zhejiang University, Hangzhou, China. Collaborative Research. 19 November - 27 December 2004.

Radloff,SE. Yunnan University, Kunming, China. Collaborative Research. 3 - 10 December 2004.

## DISTINGUISHED VISITORS

Professor R De Jongh. North West University, Potchefstroom SA. Lecture. October 2004.

Professor P Holmes. Nottingham Trent University, Nottingham UK. Lecture. October 2004.

## JOURNAL SUBSIDY UNITS

STATISTICS	UNITS
<b>Baxter,J</b>	
Vine,NG, Leukes,WD, Kaiser,H, Daya,S, Baxter,J and Hecht,T. "Competition for attachment of aquaculture candidate probiotic and pathogenic bacteria on fish intestinal mucus". <i>Journal of Fish Diseases</i> . 2004. 27(6),319-326.	0.17
<b>Radloff,SE</b>	
Amssalu,B, Nuru,A, Radloff,SE and Hepburn,HR. "Multivariate morphometric analysis of honeybees ( <i>Apis mellifera</i> ) in the Ethiopian region". <i>Apidologie</i> . 2004. 35,71-81.	0.25
Hepburn,HR, Neumann,P and Radloff,SE. "Genetic variation in natural honeybee populations, <i>Apis mellifera capensis</i> ". <i>Naturwissenschaften</i> . 2004. 91(9),447-450.	0.34
Hepburn,HR and Radloff,SE. "The wing coupling apparatus and the morphometric analysis of honeybee populations". <i>South African Journal of Science</i> . 2004. 100,565-570.	0.50
Pirk,CWW, Hepburn,HR, Radloff,SE and Tautz,J. "Honeybee combs: Construction through a liquid equilibrium process?". <i>Naturwissenschaften</i> . 2004. 91,350-353.	0.25
Rivett,K, Kruger,L and Radloff,SE. "Infracyanine-assisted internal limiting membrane peeling in macular hole repair: Does it make a difference?". <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> . 2004. 242,393-396.	0.34
Shuttleworth-Edwards,AB, Donnelly,MJR, Reid,I and Radloff,SE. "A cross-cultural study with culture fair normative indications on WAIS-III Digit Symbol - Incidental Learning". <i>Journal of Clinical and Experimental Neuropsychology</i> . 2004. 26(7),921-932.	0.25
Shuttleworth-Edwards,AB, Kemp,RD, Rust,AL, Muirhead,JGL, Hartman,NP and Radloff,SE. "Cross-cultural effects on IQ test performance: A review and preliminary normative indications on WAIS-III test performance". <i>Journal of Clinical and Experimental Neuropsychology</i> . 2004. 26(7),903-920.	0.16
<b>TOTAL FOR STATISTICS</b>	<b>2.26</b>

## ZOOLOGY AND ENTOMOLOGY

This has been another highly productive year for the department, with more than 40 papers published in peer-reviewed journals. Professor William Froneman produced one with 20 co-authors, which may be a new record for us. The future looks bright: currently there are 22 students registered for MSc degrees, and 15 for PhDs, with representatives from six countries outside of South Africa. A new postdoctoral fellow in Marine Biology is due soon from Canada. There is a notable skew in supervisory responsibilities, with three staff members having only one post-graduate student each, and the remaining 34 distributed among five staff members. We anticipate that six MSc students may graduate in April 2005.

Individual highlights included the award of a DSc by Manchester University to Professor Alan Hodgson, based on his published work on invertebrate reproductive structure and function. The final volume of the handbook "The Birds of Africa" appeared, to which Professor Adrian Craig had contributed the bulk of the text for the large weaver family (Ploceidae). We were well represented on the conference circuit. Professor Martin Hill co-authored several papers at the international symposium on biological control in Australia; Professor Martin Villet and Dr Doug Downie presented papers at the international entomological congress in Australia; Professor Alan Hodgson and Carol Simon presented papers at the international congress on invertebrate reproduction and development and Carol presented another paper at a conference of polychaete specialists; Professor Christopher McQuaid was the speaker at two marine biology conferences in Malaysia and Hong Kong; Professor Adrian Craig organised the scientific programme for the Pan-African Ornithological Congress in Tunisia.

International links also flourished. Professor Randall Hepburn visited Malaysia, Borneo and China in pursuit of Asian bees, and his German collaborators descended on the department en masse for several weeks. Dr Martine Hausberger from Rennes in France made two visits to the department in the course of her research on starlings with Professor Adrian Craig, and her new PhD student stayed for several weeks doing fieldwork; Professor Craig in turn visited Rennes. Carol Simon spent some research time in Wales, and Professor Alan Hodgson made a short research visit to the USA.

PROFESSOR A. CRAIG  
HEAD OF DEPARTMENT

## BOOKS/CHAPTERS/MONOGRAPHS

### Craig,AJFK

Craig,AJFK. "*P. grandis*, *P. weynsi*, *P. golandi*, *P. dicrocephalus*, *P. melanocephalus*, *P. jacksoni*, *P. rubiginosus*, *P. badius*, *P. aureonucha*, *P. tricolor*, *P. albinucha*, *P. bicolor*, *P. insignis*, *P. dorsomaculatus*, *P. preussi*, *P. olivaceiceps*, *P. nicolli*, *P. angolensis*, *P. sanctithomae*, *P. manyar*". In: Fry,CH and Keith, S. (eds) *The Birds of Africa*. Christopher Helm. London. 2004. 7, 170-196.

Craig,AJFK. "*P. vitellinus*, *P. reichardi*, *P. heuglini*, *P. galbula*, *P. spekei*, *P. spekeoides*, *P. nigerrimus*". In: Fry,CH and Keith, S. (eds) *The Birds of Africa*. Christopher Helm. London. 2004. 7, 148-164.

Craig,AJFK. "*Pachyphantes superciliosus*, *Quelea quelea*, *Q. cardinalis*, *Q. erythropus*, *Brachycope anomala*, *Euplectes afer*, *E. diadematus*, *E. orix*, *E. franciscanus*, *E. nigroventris*, *E. hordeaceus*, *E. gierowii*, *E. capensis*, *E. aureus*, *E. axillaris*, *E. albaonotatus*, *E. hartlaubi*, *E. psammocromius*, *E. ardens*, *E. macrourus*, *E. progne*, *E. jackson*". In: Fry,CH and Keith, S. (eds) *The Birds of Africa*. Christopher Helm. London. 2004. 7, 204-251.

Craig,AJFK. "*Ploceus flaviceps*, *P. bertrandi*, *P. baglafecht*, *P. nigrimentum*, *P. bannermani*, *P. batesi*, *P. luteolus*, *P. pelzeni*, *P. subpersonatus*, *P. nigricollis*, *P. ocularis*, *P. melanogaster*, *P. alienus*, *P. apensis*, *P. temporalis*, *P. subaureus*, *P. xanthops*, *P. aurantius*, *P. bojeri*, *P. castaneiceps*, *P. princeps*, *P. xanthopterus*, *P. castanops*, *P. taeniopterus*". In: Fry,CH and Keith, S. (eds) *The Birds of Africa*. Christopher Helm. London. 2004. 7, 101-142.

Craig,AJFK. "Family Ploceidae: *Bubalornis albirostris*, *B. niger*, *Dinemellia dinemelli*, *Plocepasser mahali*, *P. superciliosus*, *P. donaldsoni*, *P. rufoscapulatus*, *Histurgops ruficauda*, *Sporopipes frontalis*, *S. Squamifrons*, *Pseudonigrita arnaudi*, *P. cabanisi*, *Philetairus socius*". In: Fry,CH and Keith, S. (eds) *The Birds of Africa*. Christopher Helm. London. 2004. 7, 48-77.

**Villet,MH**

Mkize,N and Villet,MH . "Seasonal rates of parasitism of diamondback moth (*Plutella xylostella*) in subsistence cabbage crops in the Eastern Cape, South Africa". In: Kirk,AA and Bordat, D. (eds) Improving biocontrol of *Plutella xylostella*. CIRAD. Montpellier. 2004. 219-221.

Smith,TJ and Villet,MH. "Biological control of the diamondback moth, *Plutella xylostella* (L.) in cabbage fields in the Eastern Cape, South Africa". In: Kirk,AA and Bordat, D. (eds) Improving biocontrol of *Plutella xylostella*. CIRAD. Montpellier. 2004. 242-245.

Smith,TJ and Villet,MH. "Parasitoids associated with the diamondback moth, *Plutella xylostella* (L.), in the Eastern Cape, South Africa". In: Endersby,NM and Ridland, PM. (eds) The management of diamondback moth and other crucifer pests. The Regional Institute. Gosford, New South Wales. 2004. 249-253.

**PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER****Barber-James,HM**

Barber-James,HM. "A preliminary investigation into the influence of turbulence on larval feeding in two species of Blackfly, *Simulium chutteri* Lewis and *Simulium nigrifarse* Coquillett (Diptera Simuliidae), from the Great Fish River, South Africa". *Annals of the Eastern Cape Museums*. 2004. 3,16-24.

**Bonnevie,BT**

Bonnevie,BT. "Song and breeding observations of suburban Olive Thrushes (*Turdus olivaceus olivaceus*) in Grahamstown, South Africa". *Ostrich*. 2004. 75(3),110-117.

**Bonnevie,BT, Craig,AJFK and Hulley,PE**

Bonnevie,BT, Craig,AJFK and Hulley,PE. "Additional morphological characteristics of Olive Thrushes and Karoo Thrushes". *Ostrich*. 2004. 75(1 & 2),75-76.

**Compton,SG**

Compton,SG. "Why Old Maids stay sweet". *African Entomology*. 2004. 12(2),291-293.

**Craig,AJFK and Hulley,PE**

Craig,AJFK and Hulley,PE. "Iris coloration in passerine birds: Why be bright-eyed?". *South African Journal of Science*. 2004. 100,584-588.

**Downie,DA**

Downie,DA. "Phylogeography in a galling insect, grape phylloxera, *Daktulosphaira vitifoliae* (Phylloxeridae) in the fragmented habitat of the Southwest USA". *Journal of Biogeography*. 2004. 31,1759-1768.

Downie,DA and Gullan,PJ. "Phylogenetic analysis of mealybugs (Hemiptera: Coccoidea: Pseudococcidae) based on DNA sequences from three nuclear genes, and a review of the higher classification". *Systematic Entomology*. 2004. 29,238-259.

**Ellis,JD, Richards,CS, Hepburn,HR and Elzen,PJ**

Ellis,JD, Delaplane,KS, Richards,CS, Hepburn,HR, Berry,JA and Elzen,PJ. "Hygienic behaviour of Cape and European *Apis mellifera* (Hymenoptera: Apidae) toward *Aethina tumida* (Coleoptera: Nitidulidae) eggs oviposited in Sealed Bee Brood". *Annals of the Entomological Society of America*. 2004. 97(4),860-864.

**Erlandsson,J and McQuaid,CD**

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### Bonnevie,BT

Bonnevie,BT. "A spreadsheet simulation of a mark-recapture programme". *Afring News*. 2004. 32, 42-45.

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Craig,AJFK. "Roadside raptors". *Bee-eater*. 2004. 55(2), 16-17.

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### Villet,MH

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

### i. Local Conferences (Within South Africa)

#### Hill,MP

Muller,EM, Ripley,BS, Whittington-Jones,G and Hill,MP. "Biomass and photosynthetic productivity of water hyacinth *Eichhornia crassipes* as affected by nutrient supply and biocontrol by the mirid *Eccritotarsus catarrhinesis*". *SAAB*. UKZN, Durban. January 2004.

#### Hodgson,AN and Villet,MH

Chawanji,AS, Hodgson,AN and Villet,MH. "Sperm morphology in four species of African platypleurine cicadas Hemiptera: Auchenorrhyncha: Cicadidae)". *Congress of the Microscopy Society of Southern Africa*. Pretoria. December 2004. 34. 73.

#### McQuaid,CD

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#### Villet,MH

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

### **ii. International Conferences (Outside South Africa)**

#### **Bonnevie,BT**

Bonnevie,BT. "Survival of urban Olive Thrushes". *11th Pan-African Ornithological Congress*. Djerba. Tunisia. November 2004.

#### **Bonnevie,BT, Hulley,PE and Craig,AJFK**

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#### **Downie,DA**

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#### **Hill,MP**

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Byrne,MJ, Coetzee,J, McConnachie,AJ, Parasram,W and Hill,MP. "Predicting climate compatibility of biological control agents in their region of introduction". *Proceedings of the XIth International Symposium on Biological control of Weeds*. CSIRO Entomology, Canberra. Australia. 2004. 28-35.

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Hernandez,MC, Cordo,HA and Hill,MP. "Studies in Argentina on two new species of *Thrypticus* Diptera: Dolichopodidae) as agents for the biological control of water hyacinth, *Eichhornia crassipes*". *Proceedings of the XIth International Symposium on Biological control of Weeds*. CSIRO Entomology, Canberra. Australia. 2004. 117-120.

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Sosa,AJ, Cordo,HA, Szudruk,MA, Hernandez,MC and Hill,MP. "Host specificity of *Megameus scutellaris* (Hemiptera, Fulgoromorpha, Delphacidae), a potential agent for the biological control of waterhyacinth". *Proceedings of the XIth International Symposium on Biological control of Weeds*. CSIRO Entomology, Canberra. Australia. 2004. 355.

Williams,H and Hill,MP. "The trimorphic lantana flea-beetle *Alagoasa extrema* not suitable for release in Africa, is suitable for biocontrol in Australia". *Proceedings of the XIth International Symposium on Biological control of Weeds*. CSIRO Entomology, Canberra. Australia. 2004. 357.

#### **Hodgson,AN**

Hodgson,AN. "Aspects of the reproductive biology of the brooding bivalve *Thecalia concamerata*". *10th International Congress on Invertebrate Reproduction and Development*. Newcastle. UK. July 2004.

#### **Houdelier,C and Craig,AJFK**

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#### **McQuaid,CD**

McQuaid,CD, Bownes,S, Zardi,G and Rius,M. "Interactions between the indigenous mussel *Perna perna* and the invasive *Mytilus galloprovincialis* on the south coast of South Africa". *World Congress of Malacology*. Perth. Australia. 2004.

#### **McQuaid,CD and Froneman,PW**

McQuaid,CD, Froneman,PW, Lutjeharms,JRE and Ansorge,I. "Fifteen years of biological oceanography in the South African National Antarctic Programme". *2nd Malaysian International Seminar on Antarctica*. Penang. Malaysia. 2004.

#### **McQuaid,CD and Porri,F**

McQuaid,CD, Porri,F and Lukac,D. "Spatial scales of variability in settlement/recruitment of intertidal mussels". *6th International Larval Biological Conference*. Hong Kong. 2004.

#### **Simon,CA**

Simon,CA, Kaiser,H and Britz,PJ. "The life history responses of the abalone pest, *Terebrasabella heterouncinata*, under natural and aquaculture conditions". *10th International Congress on Invertebrate Reproduction and Development*. Newcastle Upon Tyne. United Kingdom. July 2004.

Simon,CA and Rouse,GW. "Gametogenesis in the sabellid, *Terebrasabella heterouncinata*, a pest on cultured abalone". *8th International Polychaete Conference*. Madrid. Spain. July 2004.

#### **Villet,MH**

Harvey,ML, Dadour,IR, Mansell,MW and Villet,MH. "Going global: Taking molecular forensic entomology the next step". *Proceedings of the 22nd International Congress of Entomology*. Brisbane. Australia. August 2004.

Sanborn,AF, Villet,MH and Phillips,PK. "Body size and habitat influence endothermy in African platypleurine cicadas (Hemiptera: Cicadidae)". *Experimental Biology 2004*. Washington D.C. USA. April 2004.

Villet,MH, Lunt,N and Barker,NP. "Harnessing phylogeny to predict developmental parameters of poorly-studied, forensically significant flies". *Proceedings of the 22nd International Congress of Entomology*. Brisbane. Australia. August 2004.

## CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

### Craig,AJFK

Craig,AJFK. Presenter. "How animals signal using colours". Focus Week. Albany Musuem. Grahamstown. May 2004.

## OVERSEAS RESEARCH OR FURTHER STUDY

### Craig,AJFK

Craig,AJFK. University of Rennes, Rennes, France. Professeur invite' and presented three seminars on his research to post-graduate students. May 2004.

### Hodgson,AN

Hodgson,AN. Darling Marine Centre, University of Maine, Maine, USA. January 2004.

### Simon,CA

Simon,CA. Museum of Wales, Cardiff, Wales, UK. Identified worms that infest cultured abalone. 23 - 30 July 2004.

## DISTINGUISHED VISITORS

Professor M Hausberger. France. Collaborating on a project funded by the CNRS (France) and NRF (South Africa). February-March 2004.

## JOURNAL SUBSIDY UNITS

ZOOLOGY AND ENTOMOLOGY	UNITS
<b>Bonnevie,BT</b>	
Bonnevie,BT. "Song and breeding observations of suburban Olive Thrushes ( <i>Turdus olivaceus olivaceus</i> ) in Grahamstown, South Africa". <i>Ostrich</i> . 2004. 75(3),110-117.	1.00
<b>Bonnevie,BT, Craig,AJFK and Hulley,PE</b>	
Bonnevie,BT, Craig,AJFK and Hulley,PE. "Additional morphological characteristics of Olive Thrushes and Karoo Thrushes". <i>Ostrich</i> . 2004. 75(1 & 2),75-76.	1.00
<b>Compton,SG</b>	
Compton,SG. "Why Old Maids stay sweet". <i>African Entomology</i> . 2004. 12(2),291-293.	1.00
<b>Craig,AJFK and Hulley,PE</b>	
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<b>Ellis,JD, Richards,CS, Hepburn,HR and Elzen,PJ</b>	
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<b>Erlandsson,J and McQuaid,CD</b>	
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<b>Froneman,PW</b>	
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<b>Froneman,PW and Pakhomov,EA</b>	
Abrahamsson,K, Bertilsson,S, Chierici,M, Fransson,A, Froneman,PW, Loren,A and Pakhomov,EA. "Variations of biochemical parameters along a transect in the Southern Ocean, with special emphasis on volatile halogenated organic compounds". <i>Deep-Sea Research Part II</i> . 2004. 51,2745-2756.	0.29
Froneman,PW, Balarin,M and Pakhomov,EA. "Size-fractionated phytoplankton biomass, production and biogenic carbon flux in the eastern Atlantic sector of the Southern Ocean in late austral summer 1997-1998". <i>Deep-Sea Research Part II</i> . 2004. 51,2715-2729.	0.51
<b>Gray,DR and Hodgson,AN</b>	
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<b>Hepburn,HR</b>	
Amssalu,B, Nuru,A, Radloff,SE and Hepburn,HR. "Multivariate morphometric analysis of honeybees ( <i>Apis mellifera</i> ) in the Ethiopian region". <i>Apidologie</i> . 2004. 35,71-81.	0.75
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Hepburn,HR and Radloff,SE. "The wing coupling apparatus and the morphometric analysis of honeybee populations". <i>South African Journal of Science</i> . 2004. 100,565-570.	0.50
Pirk,CWW, Hepburn,HR, Radloff,SE and Tautz,J. "Honeybee combs: Construction through a liquid equilibrium process?". <i>Naturwissenschaften</i> . 2004. 91,350-353.	0.25
Smith,DR, Warrit,N and Hepburn,HR. " <i>Apis cerana</i> from Myanmar (Burma): Unusual distribution of mitochondrial lineages". <i>Apidologie</i> . 2004. 35,637-644.	0.34
<b>Hepburn,HR and Neumann,P</b>	
Hepburn,HR, Neumann,P and Radloff,SE. "Genetic variation in natural honeybee populations, <i>Apis mellifera capensis</i> ". <i>Naturwissenschaften</i> . 2004. 91(9),447-450.	0.67
<b>Hill,MP</b>	
Adis,J, Lhano,M, Hill,MP, Junk,WJ, Marques,MI and Oberholzer,H. "What determines the number of juvenile instars in the tropical grasshopper, <i>Cornops aquaticum</i> (Leptysminae: Acrididae: Orthoptera)?" <i>Studies on Neotropical Fauna and Environment</i> . 2004. 39(2),127-132.	0.17
McConnachie,AJ, Hill,MP and Byrne,MJ. "Field assessment of a frond-feeding weevil, a successful biological control agent of red water fern, <i>Azolla filiculoides</i> , in southern Africa". <i>Biological Control</i> . 2004. 29,326-331.	0.34
<b>Hill,MP and Hepburn,HR</b>	
Ellis,JD, Rong,IH, Hill,MP, Hepburn,HR and Elzen,PJ. "The susceptibility of small hive beetle ( <i>Aethina tumida</i> Murray) pupae to fungal pathogens". <i>American Bee Journal</i> . 2004. 144(6),486-488.	0.60
<b>Hulley,PE and Craig,AJFK</b>	
Hulley,PE, Craig,AJFK, Underhill,GD, Bonnevie,BT, Nuttall,RJ and De Swardt,DH. "Timing of moult and breeding in the Cape White-eye <i>Zosterops pallidus</i> from three different geographical regions in South Africa". <i>Emu</i> . 2004. 104,1-6.	0.50

Lunt,N, Hulley,PE and Craig,AJFK. "Active anting in captive Cape White-eyes <i>Zosterops pallidus</i> ". <i>Ibis</i> . 2004. 146,360-362.	1.00
<b>McQuaid,CD and Froneman,PW</b>	
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<b>TOTAL FOR ZOOLOGY AND ENTOMOLOGY</b>	<b>28.66</b>