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PREFACE

My retirement in May 2006 gives me an opportunity to look back on 10 years of research at Rhodes University. The linkage between teaching and research is critical at a university and the appointment of a fulltime Dean of Research in 1998 was an important development. Professor John Duncan, the first fulltime Dean of Research, has done an excellent job. Via the Joint Research Committee and the efficient Research Office he has enhanced the support of research at Rhodes by assisting staff with workshops on supervision, funding, intellectual property and appropriate funding to grow potential and purchase capital equipment as well as developing a culture of research. These initiatives ensured that Rhodes was well-placed to take advantage of the new funding formula which rewards research outputs.

The increase in both the number and quality of postgraduate students has been impressive. The Mellon and Atlantic Philanthropy Programmes for “growing our own timber” have been particularly significant. The establishment of the Postgraduate Student Liaison Committee has facilitated fruitful interaction between the University and the postgraduates.

Although research flourishes at Rhodes much remains to be done. Perhaps the major challenge is to spread the research base. As with most universities in South Africa, 80% of the publication output is produced by only 25% of the academic staff.

I wish all researchers and postgraduate students success in the future and I am sure that with the present solid foundation, the research endeavour at Rhodes will go from strength to strength.

DR. D.R. WOODS
VICE-CHANCELLOR

INTRODUCTION

Rhodes University has once again had a very successful year in terms of research and I would like to congratulate and thank the staff and postgraduate students for their research efforts in 2005.

Research outputs in the form of articles in accredited journals have once again increased. The audited but still to be awarded journal units for 2005 is 232.6 which is the highest submitted total for Rhodes University and will maintain Rhodes as one of the top research institutions in the country. While this is very encouraging, it is still somewhat disturbing that a large percentage of the journal publications are produced by a small number of staff as indicated in the Vice-Chancellor's preface. A recent analysis indicates that over the past 4-5 years less than 35 academic and research staff (approximately 10% of the total staff) have been responsible for over 50% of the journal units produced. I would therefore like to encourage all staff to pay special attention to the publication of research findings, particularly in accredited journals where possible. As I'm sure most staff are aware, the subsidy value of a publication unit is now substantial and has become one of the major factors determining the value of the Government subsidy awarded to the University. Increasing the proportion of this component of the subsidy will clearly impact positively not only on the University as a whole but more specifically on our research activities.

Another important component of our research output and again a significant one in the context of the new funding formula is the graduation of research Master's and Doctoral students. While the final numbers are not available, 2005 appears to again have been a very successful one in terms of Master's and PhD graduates and thanks must go not only to the students but their supervisors. Supervision is becoming an increasingly difficult and onerous task. It is a responsibility which is taken very seriously by Rhodes staff and is one which is done very well. I would also like to thank the Postgraduate Liaison Sub-Committee for their efforts in assisting postgraduates and representing their interests so effectively. This is a somewhat unique body in Higher Education Institutions in this country and has received high praise from a number of outside groups and organisations.

The past year was also an important one for the University and for research at Rhodes as a result of the HEQC Quality Audit which took place in September. Special attention was paid to research during the audit since we consider Rhodes to be a research intensive institution. The audit report has recently been released and while the research section contains a number of recommendations, the University was generally commended for its research activities and quality of its postgraduate training. Many of the recommendations are of a strategic nature while most of the more specific ones are aspects which we had ourselves identified as issues for attention. A number of these have in fact already been dealt with.

Finally, this is the last full year in which Dr. Woods has served as our Vice-Chancellor and I would like to acknowledge the enormous contribution he has made to research at Rhodes in the past 10 years. He identified the need to establish a Research Office and to appoint a full-time Dean of Research. As the first appointee to this post it has been my privilege to work very closely with Dr. Woods on all aspects of research. Not only has he always been very supportive and given constant encouragement but has been a source of sound advice and guidance. Rhodes research will be the poorer for his retirement and I would like to take this opportunity to wish Dr. and Mrs Woods a very happy and successful retirement in Cape Town.

PROFESSOR J.R. DUNCAN
DEAN OF RESEARCH

RESEARCH HIGHLIGHTS

2005 has been a very full and productive year for both the University's researchers and the Research Office. We were excited to be involved in the Rhodes University Quality Audit which gave us an opportunity to show-case research at Rhodes. The exercise involved a comprehensive self-evaluation of the administration and management of research at Rhodes and quality issues relating to post graduate students. We are confident that when the Audit panel's report is released Rhodes's research will be viewed in a very positive light. During the visit over 200 researchers and postgraduates were interviewed by the panel.

The implementation in 2005 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. We are very proud of the fact that Rhodes has maintained its excellent record of research outputs particularly when compared nationally on a per capita basis. An issue of concern, however, is the number of research outputs published that are not claimed due the researchers not submitting the information on these entries.

The Young Academic Women's Group (YAWG), established in August 2004, now the Women's Academic Solidarity Association (WASA) had a successful year. WASA is the forum in which young women academics at Rhodes support one another particularly in the advancement of their research careers to enable them to become established researchers. The University has welcomed this initiative and supports its endeavours.

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

I am pleased to report that many Rhodes University researchers and postgraduate have excelled with their research achievements during 2005. The most notable have been:

- The recipients of the Vice Chancellor Awards for Research and Books were: Distinguished Senior Research Award: Professor Sarah Radloff, (Statistics); Distinguished Research Award: Professor Martin Hill, (Zoology and Entomology) and the Book Award: Professor Peter Vale (Political and International Studies) for his book entitled "*Security and Politics in South Africa: The Regional Dimension*";
- Professor Tebello Nyokong, (Chemistry) was elected to the Board of the National Research Foundation;
- Dr. Carol Simon, (Zoology and Entomology) was awarded a L'Oreal-UNESCO Fellowship;
- Professor Peter Vale, (Political and International Studies) was elected a Fellow of the Royal Society of South Africa;
- Professor Mike Davies-Coleman, (Chemistry) was awarded a South African Fulbright Senior Researcher Fellowship;
- Ms. Rebecca Davis (English) was the recipient of the prestigious Patrick and Margaret Flanagan Scholarship;
- Ms. Nomalanga Mkhize, (History) was the recipient of the Abe Bailey Travel Bursary.

The University continues to actively promote innovation and entrepreneurship in its research activities. The Centre for Entrepreneurship successfully assisted participants in the second National Innovation Fund Competition with no fewer than seven business plans submitted by 21 postgraduate and undergraduate students. The first prize of R50000 was awarded to Mr. Ed De La Rey, (Information Systems) for a business plan entitled "Numena SCADA system"

& second prize of R30000 to Ms. Greer Hawley, (Biochemistry, Microbiology and Biotechnology for a business plan entitled “Edible mycorrhizal mushrooms as potential plantation crops”).

Rhodes researchers and departments continued to receive significant funding from a wide variety of sources for research programmes including in excess of 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 amongst others. As a result the University from its own funding programmes has been able to award approximately 800 prestigious scholarships to Honours, Master’s, Doctoral and Postdoctoral students to a total value of approximately R9.6 million.

The Postgraduate Liaison Committee (PGLSC) which is a sub-committee of the Joint Research Committee liaising directly with the Dean of Research has had a productive year. Under the Chairpersonship of Daniel Parker, the PGLSC has organised a number of workshops relating to theses writing, supervision, proposal submission, etc which have been very beneficial to the Master’s and PhD students who participated. Postgraduate students from a number of Departments excelled at both local and international conferences with a number being awarded prizes 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 Head’s of 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. Fittingly perhaps, given the nature of the Centre's interest in teaching, much departmental research activity is related to the supervision of postgraduate students. At the end of 2005, two Doctoral candidates and four Master's candidates who had been supervised within the ADC submitted theses. At least ten honours level qualifications will also be awarded at the 2006 graduation.

The capacity of ADC staff to supervise at doctoral level continued to grow in 2005 since Rose Grant and Kevin Williams were both awarded doctorates. As there is little capacity to supervise at doctoral level within the field of Academic Development in South Africa this augurs well for Rhodes as a destination of choice for candidates wishing to pursue doctoral qualifications. In 2006, seven Doctoral candidates will be supervised within ADC and a further two will be offered co-supervision. Higher education continues to interest many academics as a field of study in its own right. In 2006 seven members of the Rhodes academic staff will be registered for Master's degrees with the ADC.

In 2005 Chrissie Boughey continued to serve on the editorial board of *Teaching in Higher Education*, one of the most prestigious journals in the field, and was also invited to join the editorial board of the *South African Journal of Higher Education*. She also acted as an occasional reviewer for *Studies in Higher Education*, another prestigious international journal.

In July, Chrissie Boughey was elected as a fellow of the South African Association for Research and Development in Higher Education (SAARDHE). She is the first fellow to be elected with a background in Academic Development.

PROFESSOR C. BOUGHEY
DIRECTOR

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Boughey,C

Boughey,C. "Epistemological' access to the university: An alternative perspective". South African Journal of Higher Education. 2005. 19(3),230-242.

Williams,K

Williams,K. "Lecturer and first year student (mis) understandings of assessment task verbs: 'Mind the gap'". Teaching in Higher Education. 2005. 10(2),157-173.

OTHER PUBLICATIONS

Mostert,M

Hodgkinson,CA and Mostert,M. "Online debating to encourage student participation in online learning environments: a qualitative case study at a South African university". International Journal of Education and Development using Information and Communication Technology. 2005. 1(2), 94-104.

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

i. Local Conferences (Within South Africa)

Boughey,C

Boughey,C. "Coming late to academe: professional women's experience of academic discourse". Annual Conference of the South African Academic Development Association. Durban Institute of Technology, Durban. December 2005.

Grant,R

Grant,R. "On being an assessor in higher education". *Annual Conference of the South African Academic Development Association*. Durban Institute of Technology, Durban. December 2005.

Quinn,L

Quinn,L. "A long and winding road: Becoming staff development practitioners at Rhodes". *Annual Conference of the South African Academic Development Association*. Durban Institute of Technology, Durban. December 2005.

Vongo,M

Vongo,M. "A case study of the goals of the Business Communication 1 course at Technikon Witwatersrand". *Annual Conference of the South African Academic Development Association*. Durban Institute of Technology, Durban. December 2005.

Vorster,J

Vorster,J. "Structure and agency in curriculum development processes". *Annual Conference of the South African Academic Development Association*. Durban Institute of Technology, Durban. December 2005.

Wait,M and Platt,C

Wait,M and Platt,C. "Rhodes University's Science Extended Studies Programme: An integrated approach". *Annual Conference of the South African Academic Development Association*. Durban Institute of Technology, Durban. December 2005.

JOURNAL SUBSIDY UNITS

ACADEMIC DEVELOPMENT CENTRE	UNITS
Boughey,C	
<i>Boughey,C. "Epistemological' access to the university: An alternative perspective". South African Journal of Higher Education. 2005. 19(3),230-242.</i>	1.00
Williams,K	
<i>Williams,K. "Lecturer and first year student (mis) understandings of assessment task verbs: 'Mind the gap'". Teaching in Higher Education. 2005. 10(2),157-173.</i>	1.00
TOTAL FOR ACADEMIC DEVELOPMENT CENTRE	2.00

ACCOUNTING

The Department of Accounting continued to develop its postgraduate research in 2005. The course in research methodology and design as well as the research based Postgraduate diploma in Taxation program have proved to be successful additions to the department's postgraduate offerings.

The following is a list of highlights for 2005:

1. Staff achievements

- Lilla Stack continues to serve as Extraordinary Professor at the University of Pretoria and acts as supervisor to their doctoral students. Lilla is also responsible for the course in research methodology and design and the two research based postgraduate courses in the department. She continues to serve as a member of the Special Consumer Court and also sits on the Advisory Board to the Financial Services Board and the Board and Audit and Finance Committee of the Water Research Commission.
- Mark Bunting is currently working on the research component of his Master's in Financial Markets. Mark also successfully published the 2005 edition of his text book on financial reporting in South Africa. The book is gaining in popularity and is also being bought by certain audit firms. 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 had an article published in Accountancy SA, the accounting journal of the profession in South Africa.
- Candice Mullins continues to work on her Master's research into the administration of a land tax in South Africa.
- 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 all continue to serve on the East Cape regional committee of the SAAA.
- Kevin Maree is currently doing research in the area of professional ethics.

2. Postgraduate students

- Registrations for 2006 include:

PhD	1
Master's in Taxation	12

- Postgraduate students graduating in 2006 include:

Master's in Taxation	4
Postgraduate Diploma in Accounting	34
Postgraduate Diploma in Taxation	13
BCom Honours in Financial Accounting	2

PROFESSOR K. MAREE
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Bunting,MB

Bunting,MB. Extracts from Financial Reporting in South Africa 2005. MB Bunting. Grahamstown. 2005.

Bunting,MB. Financial Reporting in South Africa 2005. MB Bunting. Grahamstown. 2005. 856 pp.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Lancaster,JCS

Lancaster,JCS. "Laying Down the Law for Directors". *Accountancy SA.* 2005. (January),20-21.

JOURNAL SUBSIDY UNITS

ACCOUNTING	UNITS
TOTAL FOR ACCOUNTING	0.00

ANTHROPOLOGY

The year under review – 2005 – commenced with the culmination of a task that was the antithesis of a research highlight: the academic review of the previous five years, which involved personal (and hence institutional) research sacrifice for many heads of department at Rhodes, including *Robin Palmer*. However, Palmer had his chance in the second half of the year to improve his research exposure, visiting the department of Anthropology in Rio de Janeiro, and the universities of Saint Norbert and Wisconsin-Green Bay, presenting several seminars and a paper at *Whose Land is it?*, UW's third International Social Justice Symposium. A chapter for a book and two papers have been commissioned as a result of these encounters.

Meanwhile, other members of the department were making good research use of the year: *Chris de Wet* was still on sabbatical in the first semester, and he attended a conference in Brazil. Later, he participated in an advanced seminar in the United States, both connected with his research in development-induced resettlement, which also yielded two chapters in international books as well as two reviews.

Aleksandar Boskovic published a long article in *Anthropology Today*, and another in *Dialectical Anthropology*, both important Anglophone international journals, as well as three chapters in edited volumes (one in Russian, two in Serbo-Croat), each on a different topic.

Rose Boswell completed a book on her doctoral thesis for Berghahn publishers (Oxford) entitled *Le Malaise Creole: A Critical Study of Ethnic Identity in Mauritius* and, having secured a large postdoctoral research grant from NOW/WOTRO (Netherlands), she added preliminary research in the Seychelles in June to her previous investigations of intangible heritage in Tanzania and Mauritius, as a further step towards her two-year project on that topic on the Indian Ocean littoral and islands.

Penny Bernard read a paper at the annual meeting at the Association of Anthropologists of the United Kingdom and Commonwealth, in Aberdeen in April, and published three entries for an international encyclopaedia, also based on her doctoral research into water spirits and Zulu diviners.

Joy Owen saw an article published in *Anthropology Southern Africa*, and MA student, Andrew Hartnack, one in the *Journal of Southern African Studies*. As usual, Andrew and several other MA and Honours students read papers at the annual conference of Anthropology Southern Africa.

For 2006 we have five doctoral students (though two are in the process of de-registering for the year), and seven Master's students, one of whom will be graduating in April 2006, *cum laude*.

PROFESSOR R. PALMER
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Bernard,P

Bernard,P. "Ancestors in Zulu thought and the significance of ritual exchange". In: Kaplan,J and Taylor, B (eds) *Encyclopaedia of Religion and Nature*. The Continuum Publishing Group Ltd. London. 2005.

Bernard,P. "Water Spirits and indigenous ecological management (South Africa)". In: Kaplan,J and Taylor, B (eds) *Encyclopaedia of Religion and Nature*. The Continuum Publishing Group Ltd. London. 2005.

Bernard,P. "Zulu culture, plants and the spirit world (South Africa)". In: Kaplan,J and Taylor, B (eds) *Encyclopaedia of Religion and Nature*. The Continuum Publishing Group Ltd. London. 2005.

De Wet,CJ

De Wet,CJ. "Development-induced displacement and resettlement". In: Gibney,MJ and Hansen, R (eds) *Immigration and asylum - From 1900 to the present*. ABC-Clio. Santa Barbara. 2005. 1, 130-135.

De Wet,CJ. "Some socio-economic risks and opportunities relating to dam-induced resettlement in Africa". In: Ohta,I and Gebre, YD (eds) Displacement risks in Africa: Refugees, resettlers and their host populations. Kyoto University Press. Kyoto. 2005. 259-281.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Boskovic,A

Boskovic,A. "Distinguishing 'self' and 'other': Anthropology and national identity in former Yugoslavia". *Anthropology Today*. 2005. 21(2),8-13.

Boskovic,A. "Joyeuses Tropiques: Five encounters with alterities in Brazil". *Dialectical Anthropology*. 2005. 29(2),221-239.

Boskovic,A. "Concepts of Tolerance in the Everyday Life of Former Yugoslavia". *Ethnologia Balkanica*. 2004. 8,79-89.

Boswell,R

Boswell,R. "Unravelling *Le Malaise Creole*: Hybridity and Marginalization in Mauritius". *Identities: Global Studies in Culture and Power*. 2005. 12(2),195-221.

Boswell,R. "Heritage Tourism and Identity in the Mauritian Villages of Chamarel and Le Morne". *Journal of Southern African Studies*. 2005. 31(2),283-295.

Connor,T

Connor,T. "Place, belonging and population displacement: new ecological reserves in Mozambique and South Africa". *Development Southern Africa*. 2005. 22(3),365-382.

Connor,T. "Locality and belonging in the Sundays River Valley: Farm workers and the Greater Addo Elephant National Park, Eastern Cape". *Social Dynamics*. 2005. 31(1),59-83.

Hartnack,A

Hartnack,A. "My Life Got Lost': Farm Workers and Displacement in Zimbabwe". *Journal of Contemporary African Studies*. 2005. 23(2),173-190.

Owen,J

Becker,H, Boonzaier,E and Owen,J. "Fieldwork in shared spaces: postionality, power and ethics of citizen anthropologists in southern Africa". *Anthropology Southern Africa*. 2005. 28(3&4),123-132.

OTHER PUBLICATIONS

De Wet,CJ

De Wet,CJ. "Dams and resistance: Review of Dams and development - Transnational struggles for water and power". *Economic and Political Weekly (Mumbai, India)*. XL(20), 2056-2058.

De Wet,CJ. "The future of large dams: Dealing with social, environmental, institutional and political costs". *Natural resourced forum*. Blackwell, for UN. Oxford. 2005. 29, 413-416.

Owen,J

Owen,J. "Book review: *Creating Africa in America: Tranlocalidentity in an Emerging World City* by J.Copeland-Carson". *Journal of Contemporary African Studies*. 2005. 23(2).

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

i. Local Conferences (Within South Africa)

Bernard,P

Bernard,P. "The python God in Africa : Making sense of experience through literature". *Literature and Ecology Colloquium*. Rhodes University, Grahamstown. September 2005.

Eagar,D

Eagar,D. "Performing Masculinities in the South African Police Service (SAPS)". *Anthropology Southern Africa Annual Conference*. University of KwaZulu-Natal, Durban. September 2005.

Erstad,I

Erstad,I. "Can Tuberculosis be Fought on a Voluntary Basis? A Study of Motivations of Community Health Workers in a TB Programme in a High Burden Area of the Eastern Cape". *Anthropology Southern Africa Annual Conference*. University of KwaZulu-Natal, Durban. September 2005.

Hartnack,A

Hartnack,A. "Building a House upon the Sand: Recovering from Displacement in Times of Severe Insecurity". *Anthropology Southern Africa Annual Conference*. University of KwaZulu-Natal, Durban. September 2005.

Hildyard,L

Hildyard,L. "Staging Heritage - The Presentation of San Identity at the Tsitsikamma Cultural Centre in the Eastern Cape South Africa". *Anthropology Southern Africa Annual Conference*. University of KwaZulu-Natal, Durban. September 2005.

Owen,J

Owen,J. "Constructing identities through the body: sensuous scholarship in practise". *Anthropology Southern Africa Annual Conference*. University of KwaZulu-Natal, Durban. September 2005.

Von Maltitz,E

Von Maltitz,E. "Occult Forces: Lived Identities - Witchcraft, Spirit Possession and Identity amongst the Mayeyi of Namibia's Caprivi Strip". *Anthropology Southern Africa Annual Conference*. University of KwaZulu-Natal, Durban. September 2005.

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

Bernard,P. "Dream sharing and revelation: an ethnographic experience with Zulu diviners". *Association of Social Anthropologists of the UK and the Commonwealth*. University of Aberdeen, Scotland. UK. April 2005.

De Wet,CJ

De Wet,CJ. "Contested Space or Common Ground? Perspectives on Development-Induced Displacement and Resettlement in India". *Biennial Conference of the International Association for the Study of Forced Migration*. Sao Paulo. Brazil. January 2005.

De Wet,CJ. "Can We Deal with the Ethical Tensions Inherent in Development-Induced Forced Resettlement? Induced Forced Resettlement?". *Rethinking Frameworks, Methodologies and the Role of Anthropology in Development-Induced Displacement and Resettlement*. School of American Research, Santa Fe. USA. September 2005.

Palmer,R

Palmer,R. "The Dwesa-Cwebe Case". *Whose Land is it?*. University of Wisconsin - Green Bay , Green Bay. USA. November 2005.

OVERSEAS RESEARCH OR FURTHER STUDY**Boswell,R**

Boswell,R. National Heritage Research Section, La Bastille, Seychelles Islands. Research. 1 - 11 June 2005.

De Wet,C

De Wet,C. Refugee Study Centre, Oxford University, UK. Sabbatical. 1 - 28 April 2005.

De Wet, C. University of Florida, Gainesville, USA. Sabbatical. 1 - 15 May 2005.

De Wet, C. Centre for Refugee Studies, University of Toronto, Canada. Sabbatical. 16 - 31 May 2005.

De Wet, C. California Institute of Technology, California, USA. Sabbatical. 1 - 30 June 2005.

Palmer, R

Palmer, R. National Museum, Rio de Janeiro, Brazil. Information sharing. 12 - 14 September 2005.

Palmer, R. University of Wisconsin - Green Bay, Green Bay, USA. Visiting Professor working on publications with research partner. 16 October - 28 November 2005.

DISTINGUISHED VISITORS

Professor W Fisher. University of William and Mary, Williamsburg USA. Visiting Professor - various. April - May 2005.

JOURNAL SUBSIDY UNITS

ANTHROPOLOGY	UNITS
Boskovic, A	
<i>Boskovic, A. "Distinguishing 'self' and 'other': Anthropology and national identity in former Yugoslavia". <i>Anthropology Today</i>. 2005. 21(2), 8-13.</i>	1.00
<i>Boskovic, A. "Joyeuses Tropiques: Five encounters with alterities in Brazil". <i>Dialectical Anthropology</i>. 2005. 29(2), 221-239.</i>	1.00
<i>Boskovic, A. "Concepts of Tolerance in the Everyday Life of Former Yugoslavia". <i>Ethnologia Balkanica</i>. 2004. 8, 79-89.</i>	1.00
Boswell, R	
<i>Boswell, R. "Unravelling <i>Le Malaise Creole</i>: Hybridity and Marginalization in Mauritius". <i>Identities: Global Studies in Culture and Power</i>. 2005. 12(2), 195-221.</i>	1.00
<i>Boswell, R. "Heritage Tourism and Identity in the Mauritian Villages of Chamarel and Le Morne". <i>Journal of Southern African Studies</i>. 2005. 31(2), 283-295.</i>	1.00
Connor, T	
<i>Connor, T. "Place, belonging and population displacement: new ecological reserves in Mozambique and South Africa". <i>Development Southern Africa</i>. 2005. 22(3), 365-382.</i>	1.00
<i>Connor, T. "Locality and belonging in the Sundays River Valley: Farm workers and the Greater Addo Elephant National Park, Eastern Cape". <i>Social Dynamics</i>. 2005. 31(1), 59-83.</i>	1.00
Hartnack, A	
<i>Hartnack, A. "My Life Got Lost': Farm Workers and Displacement in Zimbabwe". <i>Journal of Contemporary African Studies</i>. 2005. 23(2), 173-190.</i>	1.00
Owen, J	
<i>Becker, H, Boonzaier, E and Owen, J. "Fieldwork in shared spaces: positionality, power and ethics of citizen anthropologists in southern Africa". <i>Anthropology Southern Africa</i>. 2005. 28(3&4), 123-132.</i>	0.34
TOTAL FOR ANTHROPOLOGY	8.34

BIOCHEMISTRY MICROBIOLOGY AND BIOTECHNOLOGY

The research activity of the department in 2005 resulted in a crop of 14 peer-reviewed articles in journals and conference proceedings, from a total of over 60 written research outputs. The outputs were suppressed owing to intellectual property constraints for Professor Rose, Dr. Pletschke and Dr. Burgess, but still had an average impact factor of 2.174. The department will be graduating 7 MSc's and PhD's in April and registering 12 new MSc's and 2 new PhD's in 2006.

The most prolific researcher was again Professor Blatch, whose continued use of his Wellcome Trust International Senior Research Fellowship resulted in over half of the department total. Prof Blatch made a research tour of Europe, visiting and working with Liverpool University, The University College of London, Westminster University and the London School of Hygiene and Tropical Medicine. His was not the only international activity, however. Mr. Modisakeng, a PhD student in the coelacanth project, spent a month in Benaroya Research Institute in Seattle prior to a presentation at the Gordon Research Conference in July, for which he was awarded the Carl Storm International Diversity Fellowship. Miss Gentz went to Purdue University on a Fulbright scholarship and came back as worldly-wise Mrs Baxter. Meantime Mr. Shonhai was awarded an international travel award to attend the 9th IUBMB and 30th FEBS conference in 2006 and Miss Daniel was awarded a Mellon Foundation scholarship. Back at base Dr. Bradley was a member of the team which ran a workshop on DNA sequencing and Bioinformatics Analysis Workshop.

Professor Blatch and Mr. Modisakeng were not the only rovers from the department; postgraduate, postdoctoral and staff representatives took the purple banner to China, France, Portugal, Hungary, Cuba, Korea and Japan. A presentation by Mr. Strong at the 7th World Congress on Recovery, Recycling and Re-integration in Beijing last September won a prize for the best poster, and in November Mr. Short, Miss McNamara and Miss Beukes won oral and poster presentation prizes at the 15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology.

Traffic the other way – into rather than out of the department – came in the form of a new instrument facilitating the study of molecular interactions and molecule absorption onto a range of surfaces. Dr. Limson coordinated a multinstitutional and multidisciplinary application to the National Research Foundation Equipment Programme, and successfully obtained a Quartz Crystal Microbalance with Dissipation.

PROFESSOR R. DORRINGTON
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Blatch, GL

Blatch, GL. Blatch, GL (eds). Protein Expression and Purification. 2005.

Whiteley, CG

Whiteley, CG. Whiteley, CG (eds). Enzyme Inhibition and Medicinal Chemistry. Taylor & Francis. 2005.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Boshoff, A and Blatch, GL

Hennessy, F, Boshoff, A and Blatch, GL. "Rational mutagenesis of a 40 kDa heat shock protein from *Agrobacterium tumefaciens* identifies amino acid residues critical to its in vivo function". *International Journal of Biochemistry and Cell Biology.* 2005. 37,177-191.

Shonhai, A, Boshoff, A and Blatch, GL. "*Plasmodium falciparum* heat shock protein 70 is able to suppress the thermosensitivity of an *Escherichia coli* DnaK mutant strain". *Molecular Genetics and Genomics.* 2005. 274,70-78.

Dames,JF

Richards,CS, Hill,MP and Dames,JF. "The susceptibility of small hive beetle (*Aethina tumida* Murray) pupae to *Aspergillus niger* (van Tieghem) and *A. flavus* (Link: Grey)". *American Bee Journal*. 2005. 145(9),748-751.

Duncan,JR and Burgess,JE

Kasia,JM, Duncan,JR and Burgess,JE. "Biological removal of nitrogen species from metal-processing wastewater". *Water SA*. 2005. 31(3),407-412.

Duncan,JR, Roman,HJ and Burgess,JE

Manipura,A, Duncan,JR, Roman,HJ and Burgess,JE. "Potential biological processes available for removal of nitrogenous compounds from metal industry wastewater". *Process Safety and Environmental Protection*. 2005. 83(B5),472-480.

Hendry,DA and Dorrington,RA

du Plessis,L, Hendry,DA, Dorrington,RA, Hanzlik,TN, Johnson,JE and Appel,M. "Revised RNA2 sequence of the tetravirus, *Nudaurelia capensis* ω virus (N ω V)". *Archives of Virology*. 2005. 150(11),2397-2402.

Knox,C

Knox,C, Moffat,K, Ali,S, Ryan,M and Wileman,T. "Foot-and-mouth disease virus replication sites form next to the nucleus and close to the Golgi apparatus, but exclude marker proteins associated with host membrane compartments". *Journal of General Virology*. 2005. 86,687-696.

Moffat,K, Howell,G, Knox,C, Belsham,GJ, Monaghan,P, Ryan,MD and Wileman,T. "Effects of foot-and-mouth disease virus nonstructural proteins on the structure and function of the early secretory pathway: 2bc but not 3a blocks endoplasmic reticulum-to-golgi transport". *Journal of Virology*. 2005. 79(7),4382-4395.

Leukes,WD

Downing,TG, Sember,CS, Gehringer,MM and Leukes,WD. "Medium N : P ratios and specific growth rate comodule microcystin and protein content in *Microcystis aeruginosa* PCC7806 and *M. aeruginosa* UV027". *Microbial Ecology*. 2005. 49(3),468-473.

Ryan,DR, Leukes,WD and Burton,SG. "Fungal bioremediation of phenolic wastewaters in an airlift reactor". *Biotechnology Progress*. 2005. 21(4),1068-1074.

Nicoll,WS and Blatch,GL

Hennessy,F, Nicoll,WS, Zimmermann,R, Cheetham,ME and Blatch,GL. "Not all J domains are created equal: Implications for the specificity of Hsp40-Hsp70 interactions". *Protein Science*. 2005. 14,1697-1709.

Rose,PD

Ehlers,GA and Rose,PD. "Immobilized white-rot fungal biodegradation of phenol and chlorinated phenol in trickling packed-bed reactors by employing sequencing batch operation". *Bioresource Technology*. 2005. 96,1264-1275.

OTHER PUBLICATIONS**Rose,PD**

Coetser,SE, Heath,R, Molwantwa,JB, Rose,PD and Pulles,W. "Implementing the degrading packed bed reactor technology and verifying the long term performance of passive treatment plants at Vryheid Coronation Colliery". WRC Report. 2005. (1348/1/05).

Rose,PD and Hart,OO

Rose,PD, Corbett,CJ, Whittington-Jones,K and Hart,OO. "The Rhodes BioSURE Process. Part 1: Biodesalination of Mine Drainage Wastewaters". WRC Report. 2004. (TT195/04).

Whiteley,CG

Whiteley,CG. "Introduction to enzyme and coenzyme chemistry". *Microbial Ecology*. Australian Journal of Chemistry. CSIRO. 2005. 58, 560.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****i. Local Conferences (Within South Africa)****Atkins,SD and Rose,PD**

van Dyk,JS, Atkins,SD, Igbini, E and Rose,PD. "Analysis of the degradation of coal-derived humic acid by fungal action". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 7.

Barbosa,VL and Burgess,JE

Dredge,RA, Barbosa,VL, Mack,CL and Burgess,JE. "Biological accumulation / precipitation of rhodium from wastewater using a sulphate-reducing bioreactor and algal raceway". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 26.

Nemukula,A, Barbosa,VL and Burgess,JE. "Bacterial treatment of metal refinery wastewater". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 35.

Blatch,GL

Blatch,GL. "Networks of protein folding pathways in the cell: the regulation of molecular chaperones by co-chaperones". *SASBMB XIXth Conference*. Stellenbosch University, Stellenbosch. January 2005. 82.

Aken,B, Blatch,GL and Patterson,HG. "Characterisation of stress-inducible STI1 in yeast, mice and humans". *SASBMB XIXth Conference*. Stellenbosch University, Stellenbosch. January 2005. 120.

McNamara,C and Blatch,GL. "Characterization of human Hsp40: a Hsp40 molecular chaperone similar to the malarial protein Pfj4". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 32.

Modisakeng,KW and Blatch,GL. "Isolation and characterization of genes encoding heat shock protein 70 from the coelacanth, *Latimeria chalumnae*". *SASBMB XIXth Conference*. Stellenbosch University, Stellenbosch. January 2005. 107.

Schlange,M and Blatch,GL. "In vivo analysis of the J domains of the soluble endoplasmic reticulum heat shock protein 40 chaperones, ERdj3 and ERdj5". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 11.

Boshoff,A and Blatch,GL

Boshoff,A and Blatch,GL. "Functional characterization of heat shock protein 70 homologues from *Agrobacterium tumefaciens*". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 24.

Brimms,B, Boshoff,A and Blatch,GL. "The use of *Agrobacterium tumefaciens* heat shock proteins for the heterologous over expression of an economically important *Agrobacterium tumefaciens* enzyme". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 25.

Shonhai,A, Boshoff,A and Blatch,GL. "In vivo analysis of the chaperone role of *Plasmodium falciparum* heat shock protein 70". *SASBMB XIXth Conference*. Stellenbosch University, Stellenbosch. January 2005. 87.

Shonhai,A, Boshoff,A and Blatch,GL. "Plasmodium falciparum heat shock protein 70 reverses thermosensitivity in an *Escherichia coli* dnaK mutant strain". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 39.

Wentzel,JJ, Boshoff,A and Blatch,GL. "The characterization of a novel DnaK protein from *Agrobacterium tumefaciens* RUOR". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 42.

Bradley,G

Bradley,G and Botha,M. "Plant stress proteins - development of natural biopesticides". *SASBMB XIXth Conference*. Stellenbosch University, Stellenbosch. January 2005. 183.

Maclear,A, Joubert,F and Bradley,G. "Identification of *cis*-elements and transacting factors involved in the abiotic stress responses of plants". *SASBMB XIXth Conference*. Stellenbosch University, Stellenbosch. January 2005. 130.

Bradley,G and Blatch,GL

Daniel,S, Bradley,G and Blatch,GL. "The regulatory effects of cell cycle kinases on localisation and function of the murine stress inducible protein 1 (mSTI1)". *SASBMB XIXth Conference*. Stellenbosch University, Stellenbosch. January 2005. 123.

Bradley,G and Whiteley,CG

Louw,CA, Bradley,G and Whiteley,CG. "Peptidylarginine deiminase type II: a potential novel therapeutic tool in the etiology of Alzheimer's disease". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 29.

Brand,JM and Wilhelmi,BS

Bulani,SI, Brand,JM and Wilhelmi,BS. "Determination of the dietary preferences of the black rhinoceros (*Diceros bicornis*)". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 12.

Field,BP, Cambray,G, Brand,JM and Wilhelmi,BS. "The development of extraction and analysis methods for the identification of phenolic compounds present in Honey Sun mead". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 28.

Burgess,JE

Moore,BA, Strong,PJ and Burgess,JE. "Fungal treatment of metal refinery wastewater". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 33.

Clarke,AM and Pletschke,BI

Beukes,N, Clarke,AM and Pletschke,BI. "Isolation of a *Bacillus* cellulosome and the effect of sulphur compounds on cellulosome-associated 'cellulase' activity". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 23.

Dames,JF

Mukasa-Mugerwa,TT and Dames,JF. "Biocontrol potential of arbuscular mycorrhizal fungi against *Fusarium*". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 34.

Dorrington,RA

Short, JR and Dorrington, RA. "Study on the replication bologu of *Helicoverpa armigera* stunt virus and Providence virus". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 13.

Dorrington,RA and Blatch,GL

Modisakeng, KW, Dorrington, RA and Blatch, GL. "Isolation of Hsp70 genes from two species of the coelacanth, *Latimeria chalumnae* and *Latimeria menadoensis*". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 19.

Gentz,P

Gentz, P, Kondabagil, K, Kanamaru, S, Rao, V, Kaufmann, B, Modrow, S, Tijssen, P and Rossmann, M. "Purification and the path toward the crystallization of recalcitrant bacteriophage T4 and B19 parvovirus proteins". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 20.

Knox,C

Olds, C and Knox, C. "The subcellular localization of Theiler's Murine Encephalitis virus protein 2C". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 36.

Spracklen, A and Knox, C. "The generation of a polyclonal antibody specific for Theiler's Murine Encephalitis Virus protein 2C". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 40.

Leukes,WD

Vine, NG, Kaiser, H and Leukes, WD. "Probiotics in marine larviculture - towards the development of a selection protocol". *7th Bi-annual Conference of the Aquaculture Association of Southern Africa: Aquaculture for Africa - Unlocking the Potential*. Rhodes University, Grahamstown. September 2005.

Vine, NG, Leukes, WD and Kaiser, H. "The use of probiotics in mariculture". *12th South African Marine Science Symposium: Coast to coast*. Elangeni Garden Court Hotel, Durban. July 2005.

Limson,J

Ragubeer, N and Limson, J. "Biological membranes as platforms for enzyme immobilisation in biosensor applications". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 37.

Matcher,GF and Dorrington,RA

Steyn, JA, Matcher, GF and Dorrington, RA. "Vfr as a potential regulator of carbon catabolite repression in *Pseudomonas*". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 4.

Nicoll,WS and Blatch,GL

Ludewig, MH, Nicoll, WS and Blatch, GL. "The characterization of the J-domains of trypanosomal type-1 DNAJ-like proteins". *SASBMB XIXth Conference*. Stellenbosch University, Stellenbosch. January 2005. 223.

McNamara, C, Nicoll, WS and Blatch, GL. "Functional characterisation of molecular chaperones: brain-enriched human HSP40 (hsj1a) and malarial HSP40 (Pfj4)". *SASBMB XIXth Conference*. Stellenbosch University, Stellenbosch. January 2005. 230.

Pletschke,BI

Mayende, L and Pletschke, BI. "Purification of a cellulosome from a Clostridial source". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 5.

Stephens,LL and Blatch,GL

Stephens,LL and Blatch,GL. "Purification and characterization of the oligomeric state of DnaK from *Agrobacterium tumefaciens*". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 41.

Stephens,LL, Boshoff,A and Blatch,GL

Stephens,LL, Boshoff,A and Blatch,GL. "Mechanistic analysis of the Hsp70 ATPase chaperone cycle". *SASBMB XIXth Conference*. Stellenbosch University, Stellenbosch. January 2005. 245.

Whiteley,CG

Mutambanengwe,CCZ and Whiteley,CG. "Use of sludge biomass in the production of enzymes under sulphidogenic conditions for the treatment of textile effluent". *SASBMB XIXth Conference*. Stellenbosch University, Stellenbosch. January 2005. 281.

Mutanda,T and Whiteley,CG. "Enzymatic synthesis of fructooligosaccharides of varying chain length from inulin and sucrose". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 18.

Riddin,TL and Whiteley,CG. "Intra- and extracellular production of geometric platinum nanoparticles by the fungus *Fusarium oxysporum* 5456". *15th Annual Meeting of the Eastern Cape Division of the South African Society for Biochemistry and Molecular Biology*. Rhodes University, Grahamstown. November 2005. 38.

Wilhelmi,BS and Pletschke,BI

Mayende,L, Wilhelmi,BS and Pletschke,BI. "Cellulose and lignin degrading thermozyms from compost for biotechnological application". *SASBMB XIXth Conference*. Stellenbosch University, Stellenbosch. January 2005. 279.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****ii. International Conferences (Outside South Africa)****Boshoff,A and Blatch,GL**

Boshoff,A and Blatch,GL. "Functional characterization of heat shock protein 70 homologues from *Agrobacterium tumefaciens*". *30th FEBS Congress & 9th IUBMB Conference*. Eötvös University Convention Center, Budapest. Hungary. July 2005. 350.

Shonhai,A, Boshoff,A and Blatch,GL. "*Plasmodium falciparum* heat shock protein 70 reverses thermosensitivity in *Escherichia coli dnaK* mutant strain". *30th FEBS Congress & 9th IUBMB Conference*. Eötvös University Convention Center, Budapest. Hungary. July 2005. 357.

Bradley,G and Blatch,GL

Daniel,S, Bradley,G and Blatch,GL. "Mapping of functional residues in the Hsp70/Hsp90 organizing protein, mSTI1". *30th FEBS Congress & 9th IUBMB Conference*. Eötvös University Convention Center, Budapest. Hungary. July 2005. 351.

Burgess,JE and Leukes,WD

Strong,PJ, Burgess,JE and Leukes,WD. "Bioremediation of distilled winery effluent using aerobic digestion". *7th World Congress on Recovery, Recycling and Re-integration*. Friendship Hotel, Beijing. China. September 2005.

Dorrington,RA and Blatch,GL

Modisakeng,KW, Dorrington,RA and Blatch,GL. "Isolation of hsp70 genes from two species of the coelacanth, *Latimeria chalumnae* and *Latimeria menadoensis*". *Stress Proteins in Growth, Development and Disease*. Salve Regina University, Newport, RI. USA. July 2005.

Duncan, JR, Roman, HJ and Burgess, JE

Manipura, A, Duncan, JR, Roman, HJ and Burgess, JE. "Bioprocess development for nitrogen compounds removal from metal refinery wastewater". *7th World Congress on Recovery, Recycling and Re-integration*. Friendship Hotel, Beijing, China. September 2005.

Limson, J

Brimecombe, R and Limson, J. "Biosensors for pesticide monitoring using honeybee bioindicators". *Biodiversity: Science and Governance*. Muséum d'Histoire Naturelle, Paris, France. January 2005.

Fogel, R and Limson, J. "Investigation of a novel laccase enzyme for phenolic analysis". *XVIII International Symposium on Bioelectrochemistry and Bioenergetics - 3rd Spring Meeting Bioelectrochemistry*. University of Coimbra, Coimbra, Portugal. June 2005.

Maharaj, DS, Limson, J and Daya, S. "6-Hydroxymelatonin converts iron (II) to Fe(III) and reduces iron-induced lipid peroxidation". *ISN.ESN 20th Biennial meeting*. Innsbruck, Austria. August 2005.

Pletschke, BI

Pletschke, BI and Watson, S. "The differential effect of sulfide on α - and β -glucosidases in a biosulfidogenic bioreactor for enhanced sludge hydrolysis". *Relatenz 2005*. University of Matanzas, Matanzas, Cuba. September 2005. 32.

Rose, PD

Rose, PD. "Meeting the sustainability challenge: Retrospective one decade of development in mine drainage treatment in South Africa". *Proceedings International Mine Water Association Congress*. Oviedo, Spain. September 2005.

Whiteley, CG

Whiteley, CG and Lee, DJ. "Enzymology of sludge-floc solubilisation using confocal laser scanning microscopy". *3rd IWA Leading-Edge Conference & Exhibition on Water and Wastewater Treatment Technologies*. Royton Hotel, Sapporo, Japan. June 2005.

Whiteley, CG and Mutambanengwe, CCZ. "Novel hydrogenases from Sulphate Reducing Bacteria: Decolourisation of industrial wastewater effluents". *Enzyme Engineering XVIII*. Hotel Hyundai on Bomun Lake, Gyeong-ju, Korea. October 2005. 135.

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

Blatch, GL. Invited talk. "Characterization of the Hsp40-Hsp70 chaperone machinery of *Plasmodium falciparum*". Malaria Initiative for Africa. Zebra Country Lodge, Pretoria. 1 - 6 September 2005.

Bradley, G

Barker, NP, Howis, S, Modisakeng, KW and Bradley, G. Organisers. DNA sequencing and Bioinformatics Analysis Workshop. Rhodes University. Grahamstown. 1 - 19 April 2005.

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

Blatch, GL. University College London, London, UK. Professor ME Cheetham, collaborator, invited seminar. 13 July 2005.

Blatch, GL. Westminster University, London, UK. Dr. M Odell, collaborator, invited seminar. 14 July 2005.

Blatch, GL. London School of Hygiene and Tropical Medicine, London, UK. Dr. D Horn, collaboration visit. 15 July 2005.

Blatch, GL and Boshoff, A

Blatch, GL and Boshoff, A. University of Liverpool, Liverpool, UK. Dr. D Edgar, Royal Society - NRF collaboration visit. 11 - 12 July 2005.

DISTINGUISHED VISITORS

Professor DK Berger. University of Pretoria, Pretoria. Invited seminar. November 2005.

Dr. R Jager. University of Bonn Medical School, Bonn, Germany. Invited seminar. September 2005.

JOURNAL SUBSIDY UNITS

BIOCHEMISTRY MICROBIOLOGY & BIOTECHNOLOGY	UNITS
Boshoff,A and Blatch,GL	
<i>Hennessy,F, Boshoff,A and Blatch,GL. "Rational mutagenesis of a 40 kDa heat shock protein from Agrobacterium tumefaciens identifies amino acid residues critical to its in vivo function". International Journal of Biochemistry and Cell Biology. 2005. 37,177-191.</i>	1.00
<i>Shonhai,A, Boshoff,A and Blatch,GL. "Plasmodium falciparum heat shock protein 70 is able to suppress the thermosensitivity of an Escherichia coli DnaK mutant strain". Molecular Genetics and Genomics. 2005. 274,70-78.</i>	1.00
Dames,JF	
<i>Richards,CS, Hill,MP and Dames,JF. "The susceptibility of small hive beetle (Aethina tumida Murray) pupae to Aspergillus niger (van Tieghem) and A. flavus (Link: Grey)". American Bee Journal. 2005. 145(9),748-751.</i>	0.33
Duncan,JR and Burgess,JE	
<i>Kasia,JM, Duncan,JR and Burgess,JE. "Biological removal of nitrogen species from metal-processing wastewater". Water SA. 2005. 31(3),407-412.</i>	1.00
Duncan,JR, Roman,HJ and Burgess,JE	
<i>Manipura,A, Duncan,JR, Roman,HJ and Burgess,JE. "Potential biological processes available for removal of nitrogenous compounds from metal industry wastewater". Process Safety and Environmental Protection. 2005. 83(B5),472-480.</i>	1.00
Hendry,DA and Dorrington,RA	
<i>du Plessis,L, Hendry,DA, Dorrington,RA, Hanzlik,TN, Johnson,JE and Appel,M. "Revised RNA2 sequence of the tetravirus, Nudaurelia capensis w virus (NwV)". Archives of Virology. 2005. 150(11),2397-2402.</i>	0.34
Leukes,WD	
<i>Downing,TG, Sember,CS, Gehringer,MM and Leukes,WD. "Medium N : P ratios and specific growth rate comodule microcystin and protein content in Microcystis aeruginosa PCC7806 and M. aeruginosa UV027". Microbial Ecology. 2005. 49(3),468-473.</i>	0.25
<i>Ryan,DR, Leukes,WD and Burton,SG. "Fungal bioremediation of phenolic wastewaters in an airlift reactor". Biotechnology Progress. 2005. 21(4),1068-1074.</i>	0.34
Nicoll,WS and Blatch,GL	
<i>Hennessy,F, Nicoll,WS, Zimmermann,R, Cheetham,ME and Blatch,GL. "Not all J domains are created equal: Implications for the specificity of Hsp40-Hsp70 interactions". Protein Science. 2005. 14,1697-1709.</i>	0.60
Rose,PD	
<i>Ehlers,GA and Rose,PD. "Immobilized white-rot fungal biodegradation of phenol and chlorinated phenol in trickling packed-bed reactors by employing sequencing batch operation". Bioresource Technology. 2005. 96,1264-1275.</i>	1.00
TOTAL FOR BIOCHEMISTRY MICROBIOLOGY & BIOTECHNOLOGY	6.86

BOTANY

In 2005 staff and students published 3 book chapters, 7 journal papers and 10 popular articles. Staff and students presented at 5 papers at international and 25 papers at local conferences. Three staff proceeded overseas on sabbatical, to present at conferences, or to conduct research. The Department received several international visitors and staff members made successful funding applications to the NRF and international funding organisations. In 2005, the staff hosted 5 postdoctoral fellows and supervised 7 PhD, 9 MSc, and 4 honours students.

Individual staff members achievements include:

Professor CEJ Botha: Ted spent 10 weeks in Australia, contributing to research on re-allocation of carbon in rice plants, at Plant Industry, CSIRO in Canberra. Also attended an international meeting in Adelaide, and seminars was presented to staff at CSIRO and Botany at the ANU, as well as at Sydney University where he showcased web-based teaching material, including using virtual microscopy.

Professor RA Lubke: Roy attended the Society of Restoration International Conference at Zaragoza University in Spain in September where he presented a paper on the alternative to restoration with well-planned development. He has also established contact with colleagues in Europe and presented a paper at the conference on *Dunes and Estuaries* in Belgium. Research in Namibia on restoration following mining has proved to be possible in spite of the extreme conditions in the coastal desert environment. In November 2005, Professor Roy Lubke received the South African Botanical Society medal for conservation for his work on South African Flora and Restoration Ecology.

Professor NP Barker: Nigel was invited to be the Keynote speaker for the session on the Proteales at the International Botanical Congress held in July in Vienna. He and his group of post-grad students presented their work at the 5th Conference of the Southern African Society for Systematic Biology in February. He currently has two research thrusts: Studies into the phylogeography of coastal and marine organisms, and the systematics and biogeography of the southern African flora.

Professor BS Ripley: Brad and his postgraduate students continued with research on the evolution and competitive advantage of C₄ photosynthesis with colleagues from Sheffield University, publishing and presenting findings at both local and international conferences. Other research students continued with collaborative research on the ecophysiology of coastal dune and medicinal plants.

Dr. S Vetter: Susi received NRF funding for research on plant-herbivore dynamics in the Richtersveld with collaborators from Edinburgh University, UCT and SANParks. She was invited to Darwin, Australia, to co-author a paper on optimal stocking regimes in semi-arid rangelands. Susi and her students continued research on rangeland and conservation ecology.

Mr. CI Peter: Craig continued work on evolutionary and ecological questions related to the pollination biology of the orchid genus *Eulophia*. He is also working on aspects of the pollination biology of other plants such as *Strelitzia* and various South African milkweeds. He has published both popular and peer reviewed articles resulting from this research.

Mr. AP Dold: Tony Dold published a number of papers and popular articles, formally described a new species of *Ceropegia* and together with collaborators from University of the Free State described a new genus in the Apocynaceae. Dold and Michelle Cocks, from the ISER, presented an educational exhibition of photos and artefacts entitled Imithi yesiXhosa - Plants for Health, Life and Spirit in Africa at the National Arts Festival in Grahamstown. The exhibition is now housed in the Port Elizabeth Museum for a year.

PROFESSOR B. RIPLEY
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Barker, NP and Ripley, BS

Barker, NP, Von Senger, I, Howis, S, Zachariades, C and Ripley, BS. "Plant phylogeography based on rDNA ITS sequence data: two examples from the Asteraceae". In: Bakker, FT, Chatrou, LW,

Gravendeel, B and Pelser, P.B. (eds) Plant species level systematics. New perspectives on pattern & process. Koeltz Scientific books. Koenigstein. 2005. 217-244.

Botha, CEJ

Botha, CEJ. "Interaction of phloem and xylem during phloem loading. Functional symplasmic roles for thin- and thick-walled sieve tubes in monocotyledons?". In: Holbrook, N.M. and Zwieniecki, M.A. (eds) Vascular Transport in Plants. Elsevier. London. 2005. 115-128.

Botha, CEJ, Cross, RHM and Liu, L

Botha, CEJ, Cross, RHM and Liu, L. "Comparative structure of specialised monocotyledonous leaf blade plasmodesmata". In: Oparka, K.J. (eds) Plasmodesmata. Blackwell's. Oxford. 2005. 18, 73-87.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Barker, NP

Barker, NP. "A review and survey of amphicarpous basicarpous and geocarpous in the African and Madagascan flora". *Annals of the Missouri Botanical Garden.* 2005. 92(4), 445-462.

Botha, CEJ

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Vetter, S

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OTHER PUBLICATIONS

Barker, NP

Linder, H.P. and *Barker, NP.* "From Nees to now – changing questions in the systematics of the grass subfamily Danthonioideae". *Nova Acta Leopoldina.* 2005. 92, 29-44.

Dold, AP

Dold, AP. "Book Review - Medicinal Plants traded on South Africa's Eastern Seaboard". *Bothalia.* 2005. 35, 111-113.

Dold, AP. "The rediscovery of *Ornithogalum britteniae*". *Cactus and Succulent Journal.* 2005. 77(3), 148-151.

Dold, AP and Cocks, M.L. "The trade of medicinal plants in South Africa". *National Agricultural Directory (South Africa).* Rainbow SA. South Africa. 2005. 551.

Dold, AP and Cocks, M.L. "Imbhola yesixhosa – traditional Xhosa cosmetics". *Veld and Flora.* 2005. 9(3), 123-125.

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Steenkamp,Y, Van Wyk,B-E, Victor,J, Hoare,D, Smith,G, Dold,AP and Cowling,R. "Maputaland-Pondoland-Albany". Mittermeier,RA, Robles Gil,P, Hoffmann,M, Pilgrim,JD, Brooks,TM, Mittermeier,CG and Fonseca, GAB DA (eds) Hotspots Revisited: Earth's Biologically Richest and Most Endangered Ecoregions. CEMEX. Monterrey, Mexico. 2004. 219-228.

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

Peter,CI, Dold,AP, Barker,NP and Ripley,BS. "Observations of the pollination biology of *Bergeranthus multiceps* (Aizoaceae)". Aloe. 2005. 42, 20-22.

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Vetter,S. "Livestock development in communal rangelands: what can be done to improve the success of interventions?". Grassroots. 2005. 5(3), 10-14.

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

i. Local Conferences (Within South Africa)

Barker,NP

Barker,NP, Galley,C, Verboom,GA, Mafa,P, Gilbert,M and Linder,HP. "Clarifying the relationships of Gondwanaland's grasses (Plantae: Poaceae)". *5th Conference of the Southern African Society for Systematic Biology*. Goudini Spa, Worcester. February 2005.

Barker,NP, Howis,S, Villet,MH and Price,BW. "DNA-based research: A new generation of fynbos studies". *Fynbos Forum*. Pine Lodge Inn, Port Elizabeth. August 2005.

Howis,S and Barker,NP. "The phylogeography of *Chrysanthemoides monilifera* (Plantae: Asteraceae: Calenduleae)". *5th Conference of the Southern African Society for Systematic Biology*. Goudini Spa, Worcester. February 2005.

Howis,S and Barker,NP. "A taxonomic revision of the genus *Gazania* (Asteraceae: Gorteriinae)". *5th Conference of the Southern African Society for Systematic Biology*. Goudini Spa, Worcester. February 2005.

Mwale,M, Barker,NP, Kaiser,H and Heemstra,P. "A molecular phylogeny of South African pipefishes of the genus *Syngnathus* using cytochrome b sequences of mitochondrial DNA". *32nd Zoological Society of southern Africa Conference*. Rhodes University, Grahamstown. July 2005.

Price,BW, Barker,NP and Villet,MH. "A mtDNA phylogeography of *Platypleura capensis* L. (Hemiptera: Cicadidae)". *Entomological Society Conference*. Rhodes University, Grahamstown. July 2005.

Ramdhani,S, Barker,NP and Baijnath,H. "Phylogenetic relationships and biogeography of *Kniphofia* Moench. (Asphodelaceae, Monocotyledons) based on chloroplast and nuclear sequences". *5th Conference of the Southern African Society for Systematic Biology*. Goudini Spa, Worcester. February 2005.

Villet,MH, Barker,NP and Lunt,N. "Preliminary phylogeny of the genus *Platypleura* (Hemiptera: Cicadidae) in southern Africa". *5th Conference of the Southern African Society for Systematic Biology*. Goudini Spa, Worcester. February 2005.

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Ade-Ademilua,OE and Botha,CEJ. "Phloem transport in compound leaves – a requirement for assimilate balance?". *South African Association of Botanists*. University of the Free State, Bloemfontein. January 2005.

Ade-Ademilua,OE and *Botha,CEJ*. "Sink - source transition in relation to plastochron index in *Pisum sativum*". *South African Association of Botanists*. University of the Free State, Bloemfontein. January 2005.

Skinner,AKW and *Botha,CEJ*. "An SEM examination of arbuscular mycorrhizal fungi distribution and localisation on the root structure of *Eragrostis curvula* (Umgeni)". *South African Association of Botanists*. University of the Free State, Bloemfontein. January 2005.

van Schalkwyk,HF and *Botha,CEJ*. "An investigation of callose formation due to aphid feeding in resistant and non-resistant cultivars of Wheat – evidence from phloem tracer studies". *South African Association of Botanists*. University of the Free State, Bloemfontein. January 2005.

Botha,CEJ, Cross,RHM and Liu,L

Botha,CEJ, *Cross,RHM* and *Liu,L*. "Plasmodesmal ultrastructural curiosities: Monocotyledonous leaves revisited". *South African Association of Botanists*. University of the Free State, Bloemfontein. January 2005.

Lubke,RA

Lubke,RA. "The interface of Dune thicket and Coastal Grasslands along the coast near Port Alfred, Eastern Cape". *Thicket Forum Conference*. Grahamstown. May 2005.

McKenzie,RJ and Barker,NP

McKenzie,RJ, *Muller,EM* and *Barker,NP*. "Systematics of the subtribe *Arctotinae* (Compositae-Arctoteae)". *5th Conference of the Southern African Society for Systematic Biology*. Goudini Spa, Worcester. February 2005.

Ripley,BS

Gilbert,M, *Pammenter,N* and *Ripley,BS*. "Are nutrient-limited coastal dune plants better able to survive sand-burial by maintaining a low biomass?". *South African Association of Botanists*. University of the Free State, Bloemfontein. January 2005.

Haasbroek,A, *Osborne,C* and *Ripley,BS*. "Photoinhibition compared in C3 and C4 *Alloteropsis* photosynthetic subtypes". *South African Association of Botanists*. University of the Free State, Bloemfontein. January 2005.

Ripley,BS, *Gilbert,M*, *Haasbroek,A* and *Osborne,C*. "Differential drought regulation of photochemistry in C3 and C4 subtypes of *Alloteropsis semialata*". *South African Association of Botanists*. University of the Free State, Bloemfontein. January 2005.

White,A, *Ripley,BS* and *Davies-Coleman,MT*. "Potential for the wild harvest and cultivation of *Pelargonium sidoides* with high bioactive compound content". *South African Association of Botanists*. University of the Free State, Bloemfontein. January 2005.

Teske,PR and Barker,NP

Norton,OB, *Teske,PR*, *Barker,NP* and *Downie,DA*. "The phylogeography of two estuarine fish species *Atherina breviceps* and *Gilchristella aestuaria* along the South African coastline". *5th Conference of the Southern African Society for Systematic Biology*. Goudini Spa, Worcester. February 2005.

Teske,PR, *McQuaid,CD*, *Froneman,PW* and *Barker,NP*. "The phylogeography of selected estuarine crustaceans". *5th Conference of the Southern African Society for Systematic Biology*. Goudini Spa, Worcester. February 2005.

Zardi,G, *Teske,PR*, *Barker,NP* and *McQuaid,CD*. "Genetic structure of two mussel species *Perna perna* and *Mytilus galloprovincialis* along the coastline of southern Africa". *5th Conference of the Southern African Society for Systematic Biology*. Goudini Spa, Worcester. February 2005.

Vetter,S

Vetter,S. "Livestock production in communal rangelands in the Eastern Cape and KwaZulu-Natal: objectives, practices, constraints and scope for interventions". *40th Congress of the Grassland Society of southern Africa*. Kapenta Bay Hotel, Port Shepstone. July 2005.

de Wet,L-A and Vetter,S. "Population biology and the effects of harvesting on *Pelargonium reniforme* populations Grahamstown and surrounding areas, Eastern Cape, South Africa". *South African Association of Botanists*. University of the Free State, Bloemfontein. January 2005.

Duncan,IM, Vetter,S, Cowling,RM and Trollope,WSW. "Contrasting Biodiversity Values in four states of Eastern Province Thornveld". *2nd Thicket Forum*. Settlers Monument, Grahamstown. May 2005.

Swart,C and Vetter,S. "Population dynamics, structure and life-history of *Oldenburgia grandis* (Asteraceae)". *South African Association of Botanists*. University of the Free State, Bloemfontein. January 2005.

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

ii. International Conferences (Outside South Africa)

Barker,NP

Barker,NP, Weston,PH and Rutschmann,F. "The Proteaceae: Divergences, dates and classification". *17th International Botanical Congress*. Vienna. Austria. July 2005.

Lubke,RA

Lubke,RA. "What alternatives to restoration of thicket vegetation along the Eastern Cape (South Africa) coast?". *17th International Conference of the Society for Ecological Restoration*. Zaragoza. Spain. September 2005.

Knevel,IC, Lubke,RA 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". *Dunes and Estuaries*. Flanders Marine Institute, Koksijde. Belgium. September 2005. 179-189.

McKenzie,RJ and Barker,NP

Karis,PO, Funk,VA, Chan,RJ, McKenzie,RJ and Barker,NP. "Small tribes, but a large challenge: clades and grades of Arctotideae and Liabeae". *17th International Botanical Congress*. Vienna. Austria. July 2005.

Ripley,BS

Osborne,C, Ibrahim,D, Wythe,E, Gilbert,M and Ripley,BS. "Low Temperature Constraints on C4 Photosynthesis: Survival or Efficiency? British Ecological Society". *British Ecological Society (Annual Meeting)*. Hatfield, UK. September 2005.

CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

Barker,NP

Barker,NP, Howis,S, Modisakeng,KW and Bradley,G. Organisers. DNA sequencing and Bioinformatics Analysis Workshop. Rhodes University. Grahamstown. 1 - 19 April 2005.

Dold,AP

Cocks,ML and Dold,AP. Designer. "*Imithi yesiXhosa – Plants for Health - Life and Spirit in Africa*". National Arts Exhibition. Fort Selwyn Monument Hill. Grahamstown. 1 June - 9 July 2005.

Cocks,ML and Dold,AP. Designer. "*Imithi yesiXhosa – Plants for Health, Life, and Spirit in Africa*". South African National Arts Festival. Fort Selwyn. Grahamstown. 30 June - 29 July 2005.

Cocks,ML and Dold,AP. Designer. "*Imithi yesiXhosa - Plants for Health - Life and Spirit in Africa*". BayWorld Museum. Port Elizabeth. 1 - 30 November 2005.

Cocks,ML and Dold,AP. Designer. "*Imithi yesiXhosa – Plants for Health, Life, and Spirit in Africa*". South African National Arts Festival. Port Elizabeth Museum (BayWorld). Port Elizabeth. 29 November 2005 - 30 June 2006.

OVERSEAS RESEARCH OR FURTHER STUDY

Botha,CEJ

Botha,CEJ. CSIRO Plant Industry Canberra Australia & RSBS ANU Canberra, Canberra, Australia. 4 September - 24 November 2005.

DISTINGUISHED VISITORS

Professor EA Kellogg. University of St. Louis, Missouri USA. field work. February 2005.

Professor A Wolfe. The Ohio State University, USA. Field work. September 2005.

JOURNAL SUBSIDY UNITS

BOTANY	UNITS
Barker,NP	
<i>Barker,NP</i> . "A review and survey of amphicarpic basicarpic and geocarpic in the African and Madagascan flora". <i>Annals of the Missouri Botanical Garden</i> . 2005. 92(4),445-462.	1.00
Botha,CEJ	
<i>Ade-Ademilua,OE</i> and <i>Botha,CEJ</i> . "A re-evaluation of plastochron index determination in peas — a case for using leaflet length". <i>South African Journal of Botany</i> . 2005. 71(1),76-80.	1.00
Dold,AP	
<i>Dold,AP</i> and <i>Condy,G</i> . " <i>Bobartia orientalis</i> subsp. <i>orientalis</i> ". <i>Flowering Plants of Africa</i> . 2005. 59,22-27.	0.50
<i>Goldblatt,P</i> , <i>Dold,AP</i> and <i>Manning,JC</i> . "Three cryptic new species of <i>Aristea</i> (Iridaceae) from southern Africa". <i>Bothalia</i> . 2005. 35(1),1-6.	0.34
Dold,AP and Barker,NP	
<i>Dold,AP</i> , <i>Hammer,S</i> and <i>Barker,NP</i> . "Leaves of grass: a taxonomic revision of the genus <i>Bergeranthus</i> Schwantes (Aizoaceae)". <i>Haseltonia</i> . 2005. 11,78-97.	0.67
McKenzie,RJ and Barker,NP	
<i>McKenzie,RJ</i> , <i>Samuel,J</i> , <i>Muller,EM</i> , <i>Skinner,AKW</i> and <i>Barker,NP</i> . "Morphology of cypselae in subtribe Arctotidinae (Compositae–Arctotideae) and its taxonomic implications". <i>Annals of the Missouri Botanical Garden</i> . 2005. 92(4),569-594.	1.00
Vetter,S	
<i>Vetter,S</i> . "Rangelands at equilibrium and non-equilibrium: recent developments in the debate". <i>Journal of Arid Environments</i> . 2005. 62(2),321-341.	1.00
TOTAL FOR BOTANY	5.51

CENTRE FOR ENTREPRENEURSHIP

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Maas,G

Venter,E, Boshoff,C and *Maas,G*. "The influence of Successor-Related Factors on the Succession Process in Small and Medium Sized Family Businesses". *Family Business Review*. 2005. 18(4),283-303.

JOURNAL SUBSIDY UNITS

CENTRE FOR ENTREPRENEURSHIP	UNITS
Maas,G	
Venter,E, Boshoff,C and <i>Maas,G</i> . "The influence of Successor-Related Factors on the Succession Process in Small and Medium Sized Family Businesses". <i>Family Business Review</i> . 2005. 18(4),283-303.	0.17
TOTAL FOR CENTRE FOR ENTREPRENEURSHIP	0.17

CHEMISTRY

Highlights of 2005 for the Chemistry Department included: - NRF (R4million) and Rhodes University (R2.3 million) support for the purchase of a new 600MHz NMR spectrometer as a regional facility; the visit of Dr. Fethi Bediou (CNRS France) as the 2005 Barker Lecturer; award of a Fulbright Senior Researcher Fellowship to Professor Mike Davies-Coleman; and the award to Professor Tebello Nyokong of "The Order of Mupungubwe(Bronze)" - one of the most prestigious and significant awards in South Africa - for her "outstanding contribution in the field of science and putting South Africa on the world stage".

The postgraduate research programme in the Department continues to attract international students from the African continent, including; Lesotho, Nigeria and Zimbabwe, and as far a field as New Zealand and China. A total of 2 post-doctoral research fellows, 18 PhD, 8 MSc and 9 Honours students carried out research in a variety of fields, including electrochemistry, photochemistry, inorganic and organic synthesis, thermal analysis and marine natural product chemistry. Member of the department published, as co-authors, no fewer than 37 papers in peer-reviewed journals. Staff and post-graduate students also presented their research results at international conferences in Canada, Italy, Portugal and America. During his sabbatical, Professor Davies-Coleman was engaged in natural products research at the United States' National Cancer Institute in Frederick, Maryland.

Examination of one PhD and two MSc theses was completed in 2005 and the students will graduate in 2006; three additional PhD theses are nearing completion but completion of the examination process before graduation is unlikely. At least thirty-four postgraduate students will register for higher degrees in Chemistry in 2006 (7 Honours; 13 MSc; 14 PhD).

PROFESSOR P. KAYE
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Davies-Coleman,MT

Davies-Coleman,MT. "Bioactive Natural Products from Southern African Marine Invertebrates". In: ur-Rahman, A (eds) *Studies in Natural Product Chemistry (Bioactive Natural Products)*. Elsevier. The Netherlands. 2005. 32(L), 61-107.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Antunes,EM and Davies-Coleman,MT

Antunes,EM, Copp,BR, Davies-Coleman,MT and Samaai,T. "Pyrroloiminoquinone and Related Metabolites from Marine Sponges". *Natural Product Reports*. 2005. 22,62-72.

Antunes,EM, Maree,SE, Nyokong,T, Davies-Coleman,MT and Maree,DM

Antunes,EM, Maree,SE, Nyokong,T, Davies-Coleman,MT and Maree,DM. "The effect of structure on the electrochemical properties of 14 marine pyrroloquinoline metabolites". *Journal of Chemical Research (S)*. 2005. 780-783.

Brown,ME

Brown,ME. "Stocktaking in the Kinetics Cupboard". *Journal of Thermal Analysis and Calorimetry*. 2005. 82,665-669.

Davies-Coleman,MT

Gray,CA, McQuaid,CD and Davies-Coleman,MT. "A symbiotic shell-encrusting bryozoan provides subtidal whelks with chemical defence against rock lobsters". *African Journal of Marine Science*. 2005. 27(3),549-556.

Davies-Coleman,MT and Keyzers,RA

Davies-Coleman,MT, Froneman,PW, Keyzers,RA, Whibley,C, Hendricks,DT, Samaai,T and McQuaid,CD. "Anti-oesophageal cancer activity in extracts of deep-water Marion Island sponges". *South African Journal of Science*. 2005. 101,489-490.

Eve,DJ

Basca,J, Eve,DJ and Dunbar,KR. "catena-Poly[[diaquacobalt(III)]-m-oxalato]" *Acta Crystallographica Section C - Crystal Structure Communications*. 2005. 60,58-60.

Galwey,AK

Galwey,AK. "Aspects of the melting of metallic elements". *Journal of Thermal Analysis and Calorimetry*. 2005. 79,219-233.

Galwey,AK. "A view and review of the melting of alkali metal halide crystals - part 1. A melt model based on density and energy changes". *Journal of Thermal Analysis and Calorimetry*. 2005. 82(1),23-40.

Galwey,AK. "A view and a review of the melting of alkali metal halide crystals - part 2. Pattern of eutectics and solid solutions in binary common ion mixtures". *Journal of Thermal Analysis and Calorimetry*. 2005. 82(2),423-437.

Kaye,PT, Klein,R and Sewry,JD

Gelebe,AC, Kaye,PT, Klein,R, Sewry,JD and Soper,AG. "Benzodiazepine Analogues. Part 21. ¹³C NMR Analysis of Benzoxathiepine Derivatives". *Magnetic Resonance in Chemistry*. 2005. 43(21),952-955.

Kaye,PT, Watkins,GM and Wellington,KW

Kaye,PT, Watkins,GM and Wellington,KW. "Designer Ligands. Part 13. Synthesis and Catalytic Activity of Transition metal complexes of a Macrocyclic Ligand". *South African Journal of Chemistry*. 2005. 58(13),1-3.

Keyzers,RA and Davies-Coleman,MT

Keyzers,RA, Arendse,CE, Hendricks,DT and Davies-Coleman,MT. "Makaluvic acids from the South African Latrunculid Sponge *Strongylodesma aliwaliensis*". *Journal of Natural Products*. 2005. 68,506-510.

Keyzers,RA and Davies-Coleman,MT. "Anti-inflammatory Metabolites from Marine Sponges". *Chemistry Society Reviews*. 2005. 34,355-365.

Keyzers,RA, Rivett,DEA and Davies-Coleman,MT

Van Wyk,AW, Gray,CA, Keyzers,RA, Rivett,DEA, Cairn,MR, Nader,BS, Davis,GE, Werk,TL and Davies-Coleman,MT. "Transformations of Hispanolone. Novel Michael Adducts with In Planta Activity Against Rice Blast". *Tetrahedron*. 2005. 61,8493-8498.

Keyzers,RA, Soper,AG and Davies-Coleman,MT

Whibley,CE, Keyzers,RA, Soper,AG, Davies-Coleman,MT, Samaai,T and Hendricks,DT. "Anti-oesophageal Cancer Activity from Southern African Marine Organisms". *Annals of the New York Academy of Sciences*. 2005. 1056,405-412.

Klein,R

Ashweek,NJ, Brandt,P, Coldham,I, Dufour,S, Gawley,RE, Haeffner,F, Klein,R and Sanchez-Jimenez,G. "Barrier to Enantiomerization of Unstabilized, Chelated, and Dipole-Stabilized 2-Lithiopyrrolidines". *Journal of American Chemical Society*. 2005. 127,449-457.

Gawley,RE, Klein,R, Ashweek,NJ and Coldham,I. "NMR Structural Studies of ⁶Li-2-Lithiopyrrolidines". *Tetrahedron*. 2005. 61(13),3271-3280.

Maree,DM

Maree,SE and Maree,DM. "Accurate fluorescence lifetime predictions of axially substituted silicon phthalocyanines". *Journal of Chemical Research (S)*. 2005. 789-790.

Maree,DM and Nyokong,T

Maharaj,DS, Maharaj,H, Antunes,EM, Maree,DM, Nyokong,T, Glass,BD and Daya,S. "6-hydroxymelatonin protects against quinolinic-acid-induced oxidative neurotoxicity in the rat hippocampus". *Journal of Pharmacy and Pharmacology*. 2005. 57(7),877-882.

Maharaj,DS, Molell,H, Antunes,EM, Maharaj,H, Maree,DM, Nyokong,T, Glass,BD and Daya,S. "Melatonin generates single oxygen on laser irradiation but acts as a quencher when irradiated by lamp photolysis". *Journal of Pineal Research*. 2005. 38(3),153-156.

Zhao,Z, Ogunsipe,AO, Maree,DM and Nyokong,T. "Synthesis and photophysical properties of a covalently linked porphyrin-phthalocyanine conjugate". *Journal of Porphyrins and Phthalocyanines*. 2005. 9(3),186-197.

Maree,DM, Ozoemena,KI and Nyokong,T

Matemadombo,F, Maree,DM, Ozoemena,KI, Westbroek,P and Nyokong,T. "Synthesis, electrochemical and spectroelectrochemical studies of octaalkylthiosubstituted phthalocyanines". *Journal of Porphyrins and Phthalocyanines*. 2005. 9,484-490.

McPhail,KL and Davies-Coleman,MT

McPhail,KL and Davies-Coleman,MT. "(3Z)-bromofucin from a South African sea hare". *Natural Product Research*. 2005. 19,449-452.

Nyokong,T

Obirai,J, Bedioui,F and Nyokong,T. "Electrooxidation of phenol and its derivatives on poly-Ni(OH)TPhPyPc modified vitreous carbon electrodes". *Journal of Electroanalytical Chemistry*. 2005. 576(2),323-332.

Obirai,J and Nyokong,T. "Synthesis, electrochemical and electrocatalytic behaviour of thiophene derivatized cobalt, manganese and zinc phthalocyanine complexes". *Electrochimica Acta*. 2005. 50(27),5427-5434.

Obirai,J and Nyokong,T. "Synthesis, Spectral and Electrochemical Characterization of Mercaptopyrimidine Substituted Cobalt(II), Iron (II), Manganese (II) and Zn (II) Phthalocyanine Complexes". *Electrochimica Acta*. 2005. 50,3296-3304.

Ogunsipe,AO and Nyokong,T. "Photophysical and photochemical studies of sulfonated non-transition metal phthalocyanines in aqueous and non-aqueous media". *Journal of Photochemistry and Photobiology A: Chemistry*. 2005. 173(2),211-220.

Ogunsipe,AO and Nyokong,T. "Effect of central metal on the photophysical and photochemical properties of non-transition metal phthalocyanine sulphonates". *Journal of Porphyrins and Phthalocyanines*. 2005. 9,121-129.

Ogunsipe,AO and Nyokong,T. "Photophysicochemical consequences of bovine serum albumin binding to non-transition metal phthalocyanine sulphonates". *Photochemical and Photobiological Sciences*. 2005. 4,510-516.

Pereira Rodrigues,N, Obirai,J, Nyokong,T and Bedioui,F. "Electropolymerized pyrrole-substituted manganese phthalocyanine films for the electro-assisted biomimetic catalytic reduction of molecular oxygen". *Electroanalysis*. 2005. 17,186-190.

Seotsanyana-Mokhosi,I, Chen,J-Y and Nyokong,T. "Synthesis, photophysicochemical studies of adjacently tetrasubstituted binaphthalo phthalocyanines". *Journal of Porphyrins and Phthalocyanines*. 2005. 9(5),316-325.

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Nyokong,T and Maree,DM

Maqanda,W, Nyokong,T and Maree,DM. "Photochemical and photophysical properties of alkoxy and naphthoxy appended magnesium and zinc phthalocyanines". *Journal of Porphyrins and Phthalocyanines*. 2005. 9(5),343-351.

Zhao,Z, Nyokong,T and Maree,DM. "Synthesis and photophysical characterization of a zinc phthalocyanine- zinc porphyrin heterotrimer and heterononamer". *Dalton Transactions*. 2005. 23,3732-3737.

Ozoemena,KI

Ozoemena,KI and Stefan,RI. "Enantioselective potentiometric membrane electrodes based on α -, β - and γ -cyclodextrins as chiral selectors for the assay of L-proline". *Talanta*. 2005. 66,501-504.

Ozoemena,KI, Stefan,RI, Van Staden,JF and Aboul-Enein,Y. "Enantioanalysis of S-perindopril using different cyclodextrin-based potentiometric sensors". *Sensors and Actuators B*. 2005. 105,425-429.

Ozoemena,KI and Nyokong,T

Agboola,B, Ozoemena,KI and Nyokong,T. "Hydrogen peroxide oxidation of 2-chlorophenol and 2, 4, 5-trichlorophenol catalyzed by cobalt tetrasulfophthalocyanine". *Journal of Molecular Catalysis A-Chemical*. 2005. 227,209-216.

Ozoemena,KI and Nyokong,T. "Surface electrochemistry of iron phthalocyanine axially ligated to 4-mercaptopyridine self-assembled monolayers at gold electrode: Applications to electrocatalytic oxidation and detection of thiocyanate". *Journal of Electroanalytical Chemistry*. 2005. 579(2),283-289.

Ozoemena,KI and Nyokong,T. "Electrocatalytic oxidation and detection of hydrazine at gold electrode modified with iron phthalocyanine complex linked to mercaptopyridine self-assembled monolayer". *Talanta*. 2005. 67(1),162-168.

Ozoemena,KI, Zhao,Z and Nyokong,T. "Immobilized cobalt(II) phthalocyanine-cobalt(II) porphyrin pentamer at a glassy carbon electrode: Applications to efficient amperometric sensing of hydrogen peroxide in neutral and basic media". *Electrochemistry Communications*. 2005. 7(7),679-684.

Ozoemena,KI, Maree,DM and Nyokong,T

Zhao,Z, Ozoemena,KI, Maree,DM and Nyokong,T. "Synthesis and electrochemical studies of a covalently linked Co(II)porphyrin-Co(II)phthalocyanine conjugate". *Dalton Transactions*. 2005. 7,1241-1248.

**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. "Potential for the wild harvest and cultivation of *Pelargonium sidoides* with high bioactive compound content". *South African Association of Botanists*. University of the Free State, Bloemfontein. January 2005.

Kaye,PT

Lobb,KA and Kaye,PT. "Experimental and Theoretical Studies of Unexpected Terpenoid Rearrangements". *7th Congress of the World Association of Theoretically Orientated Chemists*. Cape Town. January 2005.

Klein,R

Klein,R. "¹³C NMR analysis of benzoxathiepine derivatives - comparison of predictive methods". *Bruker user meeting*. Drakensberg, Natal. July 2005.

Soper,AG

Soper,AG. "13C NMR analysis of benzoxathiepine derivatives - comparison of predictive methods". *Bruker user meeting*. Drakensberg, Natal. July 2005.

Watkins,GM

Dairam,A, Watkins,GM and Daya,S. "The effect of tolmetin and sulindac against quinolinic acid-induced neuronal toxicity". *IBRO Regional Meeting & 7th bi-annual Conference of the Society of Neuroscientists of Africa (SONA)' Psychiatry and Neuroscience in Africa*. Cape Town. April 2005.

Dairam,A, Watkins,GM and Daya,S. "The effects of anti-inflammatory agents on memory and learning". *IBRO Regional Meeting & 7th bi-annual Conference of the Society of Neuroscientists of Africa (SONA)' Psychiatry and Neuroscience in Africa*. Cape Town. April 2005.

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

Rapson,TR, Gray,CA and Davies-Coleman,MT. "The sequestered chemistry of the endemic South African nudibranch *Tambja capensis*". *46th Annual Meeting of the American Society of Pharmacognosy*. Corvallis. Oregon, United States of America. July 2005.

Keyzers,RA and Davies-Coleman,MT

Keyzers,RA, Orr,K, Arendse,CE, Hendricks,DT, Samaai,T and Davies-Coleman,MT. "Novel pyrroloquinoline natural products from South African laticiferous sponges". *46th Annual Meeting of the American Society of Pharmacognosy*. Corvallis. Oregon, United States of America. July 2005.

Nyokong,T

Obirai,J and Nyokong,T. "Electrochemical and Electrocatalytic Properties of Pyrimidin and Thiophene Derivatized Metallophthalocyanines". *207th Electrochemical Society Meeting*. The Conference Centre, Quebec City. Canada. May 2005.

Ogunsipe,AO, Seotsanyana Mokhosi,I, Ion,RM, Nyokong,T, Neagu,M, Manda,G and Constantin,C. "Photochemical and photophysical studies of water soluble Al, Ge, Sn, Si and Zn phthalocyanine photosensitizers". *WG 0012-02 COST D20 meeting*. Rimini. Italy. October 2005.

Sehloho,N, Nyokong,T, Zagal,JH and Bedioui,F. "Electrocatalysis of oxidation of 2-mercaptoethanol, L'-cystein and reduced glutathione by adsorbed and electro-deposited cobalt pyrrole-phenoxy and thiophene-ethoxy substituted phthalocyanines". *Bioelectrochemistry-2005*. Coimbra. Portugal. June 2005.

Nyokong,T and Ozoemena,KI

Nyokong,T, Ozoemena,KI and Zhao,Z. "Cobalt(II) Phthalocyanine-Cobalt(II) Porphyrin Pentamer (CoPc-(CoTpp)₄) as Potential Redox Mediator for the Design of Amperometric Chemo- and Biosensors". *Bioelectrochemistry-2005*. Coimbra. Portugal. June 2005.

Ozoemena,KI and Nyokong,T

Ozoemena,KI, Obirai,J, Zhao,Z and Nyokong,T. "Phthalocyanine Derivatives for electroanalytical Studies of Biomolecules". *Bioelectrochemistry 2005*. Coimbra. Portugal. June 2005.

Rivett,DEA and Davies-Coleman,MT

Van Wyk,AW, Gray,CA, Keyzers,RA, Rivett,DEA, Cairra,MR, Nader,BS, Davis,GE, Werk,TL and Davies-Coleman,MT. "Transformations of hispanolone. Novel Michael adducts with in planta' activity against rice blast". *46th Annual Meeting of the American Society of Pharmacognosy*. Corvallis. Oregon, United States of America. July 2005.

OVERSEAS RESEARCH OR FURTHER STUDY

Davies-Coleman,MT

Davies-Coleman,MT. National Cancer Institute, Frederick Maryland, United States of America. Sabbatical Research. 1 August - 26 October 2005.

DISTINGUISHED VISITORS

Dr. N Agnew. Getty Conservation Institute, Los Angeles, United States of America. Lecture. August 2005.

Ms. CE Arendse. University of Cape Town, Cape Town. Lecture. November 2005.

Dr. F Bediou. CNRS, France. Lecture. May 2005.

Dr. L Collett. University of Pretoria, Pretoria. Lecture. May 2005.

Dr. E Gasana. Ghent University, Belgium. Lecture. October 2005.

Dr. J Hakuzimana. Ghent University, Belgium. Lecture. October 2005.

Professor R Hubbard. University of York, United Kingdom. Lecture. January 2005.

Professor L van Langenhove. Ghent University, Belgium. Lecture. October 2005.

Dr. P Westbroek. Ghent University, Belgium. Lecture. October 2005.

JOURNAL SUBSIDY UNITS

CHEMISTRY	UNITS
Antunes,EM and Davies-Coleman,MT	
<i>Antunes,EM, Copp,BR, Davies-Coleman,MT and Samaai,T</i> . "Pyrroloiminoquinone and Related Metabolites from Marine Sponges". <i>Natural Product Reports</i> . 2005. 22,62-72.	0.50
Antunes,EM, Maree,SE, Nyokong,T, Davies-Coleman,MT and Maree,DM	
<i>Antunes,EM, Maree,SE, Nyokong,T, Davies-Coleman,MT and Maree,DM</i> . "The effect of structure on the electrochemical properties of 14 marine pyrroloquinoline metabolites". <i>Journal of Chemical Research (S)</i> . 2005. 780-783.	1.00
Brown,ME	
<i>Brown,ME</i> . "Stocktaking in the Kinetics Cupboard". <i>Journal of Thermal Analysis and Calorimetry</i> . 2005. 82,665-669.	1.00
Davies-Coleman,MT	
<i>Gray,CA, McQuaid,CD and Davies-Coleman,MT</i> . "A symbiotic shell-encrusting bryozoan provides subtidal whelks with chemical defence against rock lobsters". <i>African Journal of Marine Science</i> . 2005. 27(3),549-556.	0.67
Davies-Coleman,MT and Keyzers,RA	
<i>Davies-Coleman,MT, Froneman,PW, Keyzers,RA, Whibley,C, Hendricks,DT, Samaai,T and McQuaid,CD</i> . "Anti-oesophageal cancer activity in extracts of deep-water Marion Island sponges". <i>South African Journal of Science</i> . 2005. 101,489-490.	0.29
Eve,DJ	
<i>Basca,J, Eve,DJ and Dunbar,KR</i> . " <i>catena</i> -Poly[[diaquacobalt(III)]-m-oxalato]". <i>Acta Crystallographica Section C - Crystal Structure Communications</i> . 2005. 60,58-60.	0.34
Galwey,AK	
<i>Galwey,AK</i> . "Aspects of the melting of metallic elements". <i>Journal of Thermal Analysis and Calorimetry</i> . 2005. 79,219-233.	1.00
<i>Galwey,AK</i> . "A view and review of the melting of alkali metal halide crystals - part 1. A melt model based on density and energy changes". <i>Journal of Thermal Analysis and Calorimetry</i> . 2005. 82(1),23-40.	1.00
<i>Galwey,AK</i> . "A view and a review of the melting of alkali metal halide crystals - part 2.	1.00

Pattern of eutectics and solid solutions in binary common ion mixtures". <i>Journal of Thermal Analysis and Calorimetry</i> . 2005. 82(2),423-437.	
Kaye,PT, Klein,R and Sewry,JD	
<i>Gelebe,AC, Kaye,PT, Klein,R, Sewry,JD and Soper,AG</i> . "Benzodiazepine Analogues. Part 21. ¹³ C NMR Analysis of Benzoxathiepine Derivatives". <i>Magnetic Resonance in Chemistry</i> . 2005. 43(21),952-955.	1.00
Kaye,PT, Watkins,GM and Wellington,KW	
<i>Kaye,PT, Watkins,GM and Wellington,KW</i> . "Designer Ligands. Part 13. Synthesis and Catalytic Activity of Transition metal complexes of a Macrocyclic Ligand". <i>South African Journal of Chemistry</i> . 2005. 58(13),1-3.	1.00
Keyzers,RA and Davies-Coleman,MT	
<i>Keyzers,RA, Arendse,CE, Hendricks,DT and Davies-Coleman,MT</i> . "Makaluvic acids from the South African Latrunculid Sponge <i>Strongyloidesma aliwaliensis</i> ". <i>Journal of Natural Products</i> . 2005. 68,506-510.	0.50
<i>Keyzers,RA and Davies-Coleman,MT</i> . "Anti-inflammatory Metabolites from Marine Sponges". <i>Chemistry Society Reviews</i> . 2005. 34,355-365.	1.00
Keyzers,RA, Rivett,DEA and Davies-Coleman,MT	
<i>Van Wyk,AW, Gray,CA, Keyzers,RA, Rivett,DEA, Cairn,MR, Nader,BS, Davis,GE, Werk,TL and Davies-Coleman,MT</i> . "Transformations of Hispanolone. Novel Michael Adducts with In Planta Activity Against Rice Blast". <i>Tetrahedron</i> . 2005. 61,8493-8498.	0.56
Keyzers,RA, Soper,AG and Davies-Coleman,MT	
<i>Whibley,CE, Keyzers,RA, Soper,AG, Davies-Coleman,MT, Samaai,T and Hendricks,DT</i> . "Anti-oesophageal Cancer Activity from Southern African Marine Organisms". <i>Annals of the New York Academy of Sciences</i> . 2005. 1056,405-412.	0.50
Maree,DM	
<i>Maree,SE and Maree,DM</i> . "Accurate fluorescence lifetime predictions of axially substituted silicon phthalocyanines". <i>Journal of Chemical Research (S)</i> . 2005. 789-790.	0.50
Maree,DM and Nyokong,T	
<i>Maharaj,DS, Maharaj,H, Antunes,EM, Maree,DM, Nyokong,T, Glass,BD and Daya,S</i> . "6-hydroxymelatonin protects against quinolinic-acid-induced oxidative neurotoxicity in the rat hippocampus". <i>Journal of Pharmacy and Pharmacology</i> . 2005. 57(7),877-882.	0.29
<i>Maharaj,DS, Molell,H, Antunes,EM, Maharaj,H, Maree,DM, Nyokong,T, Glass,BD and Daya,S</i> . "Melatonin generates single oxygen on laser irradiation but acts as a quencher when irradiated by lamp photolysis". <i>Journal of Pineal Research</i> . 2005. 38(3),153-156.	0.25
<i>Zhao,Z, Ogunsipe,AO, Maree,DM and Nyokong,T</i> . "Synthesis and photophysical properties of a covalently linked porphyrin--phthalocyanine conjugate". <i>Journal of Porphyrins and Phthalocyanines</i> . 2005. 9(3),186-197.	1.00
Maree,DM, Ozoemena,KI and Nyokong,T	
<i>Matemadombo,F, Maree,DM, Ozoemena,KI, Westbroek,P and Nyokong,T</i> . "Synthesis, electrochemical and spectroelectrochemical studies of octaalkylthiosubstituted phthalocyanines". <i>Journal of Porphyrins and Phthalocyanines</i> . 2005. 9,484-490.	0.80
McPhail,KL and Davies-Coleman,MT	
<i>McPhail,KL and Davies-Coleman,MT</i> . "(3Z)-bromofucin from a South African sea hare". <i>Natural Product Research</i> . 2005. 19,449-452.	1.00
Nyokong,T	
<i>Obirai,J, Bedioui,F and Nyokong,T</i> . "Electrooxidation of phenol and its derivatives on poly-Ni(OH)TPhPyPc modified vitreous carbon electrodes". <i>Journal of Electroanalytical Chemistry</i> . 2005. 576(2),323-332.	0.67
<i>Obirai,J and Nyokong,T</i> . "Synthesis, electrochemical and electrocatalytic behaviour of thiophene derivatized cobalt, manganese and zinc phthalocyanine complexes". <i>Electrochimica Acta</i> . 2005. 50(27),5427-5434.	1.00
<i>Obirai,J and Nyokong,T</i> . "Synthesis, Spectral and Electrochemical Characterization of Mercaptopyrimidine Substituted Cobalt(II), Iron (II), Manganese (II) and Zn (II) Phthalocyanine Complexes". <i>Electrochimica Acta</i> . 2005. 50,3296-3304.	1.00
<i>Ogunsipe,AO and Nyokong,T</i> . "Photophysical and photochemical studies of sulfonated non-transition metal phthalocyanines in aqueous and non-aqueous media". <i>Journal of Photochemistry and Photobiology A: Chemistry</i> . 2005. 173(2),211-220.	1.00
<i>Ogunsipe,AO and Nyokong,T</i> . "Effect of central metal on the photophysical and photochemical properties of non-transition metal phthalocyanine suphlonates". <i>Journal of</i>	1.00

<i>Porphyrins and Phthalocyanines</i> . 2005. 9,121-129.	
Ogunsipe,AO and Nyokong,T. "Photophysical consequences of bovine serum albumin binding to non-transition metal phthalocyanine sulphonates". <i>Photochemical and Photobiological Sciences</i> . 2005. 4,510-516.	1.00
Pereira Rodrigues,N, Obirai,J, Nyokong,T and Bedioui,F. "Electropolymerized pyrrole-substituted manganese phthalocyanine films for the electro-assisted biomimetic catalytic reduction of molecular oxygen". <i>Electroanalysis</i> . 2005. 17,186-190.	0.50
Seotsanyana-Mokhosi,I, Chen,J-Y and Nyokong,T. "Synthesis, photophysical studies of adjacently tetrasubstituted binaphthalo phthalocyanines". <i>Journal of Porphyrins and Phthalocyanines</i> . 2005. 9(5),316-325.	0.67
Seotsanyana-Mokhosi,I and Nyokong,T. "Photophysical properties of water-soluble adjacently substituted bisnaphthalophthalocyanine". <i>Journal of Porphyrins and Phthalocyanines</i> . 2005. 9,476-483.	1.00
Nyokong,T and Maree,DM	
Maqanda,W, Nyokong,T and Maree,DM. "Photochemical and photophysical properties of alkoxy and naphthoxy appended magnesium and zinc phthalocyanines". <i>Journal of Porphyrins and Phthalocyanines</i> . 2005. 9(5),343-351.	1.00
Zhao,Z, Nyokong,T and Maree,DM. "Synthesis and photophysical characterization of a zinc phthalocyanine- zinc porphyrin heterotrimer and heterononamer". <i>Dalton Transactions</i> . 2005. 23,3732-3737.	1.00
Ozoemena,KI and Nyokong,T	
Agboola,B, Ozoemena,KI and Nyokong,T. "Hydrogen peroxide oxidation of 2-chlorophenol and 2, 4, 5-trichlorophenol catalyzed by cobalt tetrasulphophthalocyanine". <i>Journal of Molecular Catalysis A-Chemical</i> . 2005. 227,209-216.	1.00
Ozoemena,KI and Nyokong,T. "Surface electrochemistry of iron phthalocyanine axially ligated to 4-mercaptopyridine self-assembled monolayers at gold electrode: Applications to electrocatalytic oxidation and detection of thiocyanate". <i>Journal of Electroanalytical Chemistry</i> . 2005. 579(2),283-289.	1.00
Ozoemena,KI and Nyokong,T. "Electrocatalytic oxidation and detection of hydrazine at gold electrode modified with iron phthalocyanine complex linked to mercaptopyridine self-assembled monolayer". <i>Talanta</i> . 2005. 67(1),162-168.	1.00
Ozoemena,KI, Zhao,Z and Nyokong,T. "Immobilized cobalt(II) phthalocyanine-cobalt(II) porphyrin pentamer at a glassy carbon electrode: Applications to efficient amperometric sensing of hydrogen peroxide in neutral and basic media". <i>Electrochemistry Communications</i> . 2005. 7(7),679-684.	1.00
Ozoemena,KI, Maree,DM and Nyokong,T	
Zhao,Z, Ozoemena,KI, Maree,DM and Nyokong,T. "Synthesis and electrochemical studies of a covalently linked Co(II)porphyrin-Co(II)phthalocyanine conjugate". <i>Dalton Transactions</i> . 2005. 7,1241-1248.	1.00
TOTAL FOR CHEMISTRY	30.04

COMPUTER SCIENCE

The primary research umbrella project in Computer Science continues to be the Centre of Excellence in Distributed Multimedia, funded by Telkom, Business Connexion, Comverse, Verso Technologies, Storage Technology Services, Tellabs, and THRIP. Additional funded research awards were received in 2005 from Yamaha Corporation in Japan, and from the NRF's Focus Area Programme. Funds were pledged by some supporting industrial partners specifically to expand the physical infrastructure which houses research students in Computer Science.

Eight PhD students, seventeen Master's students, and twenty honours students worked on research projects in the department in 2005. The numbers of students expected to graduate in April 2006 are: one PhD, ten Master's, and twenty honours. In 2006, the department expects to register six PhD students, fifteen Master's students, and twenty-two honours students.

2005 was another good year for research in the Department of Computer Science, with a notable number of achievements by our students. MSc student Ms. Ingrid Brandt was awarded the Computer Society of South Africa's Eastern Cape Chapter Student of the year award for 2005, and honours student Mr. Christo Crampton was featured by the Financial Mail as a young entrepreneur of the year for a local student business leveraged off his project work.

Student work was exhibited at 6 foreign conferences in Europe, North America, the Far East, and at several local forums. The integrated softswitch project, which has attracted industry and media attention, was exhibited at the 2005 World Africa VoIP conference in April. Notable results were also reported in the areas of MLAN integration, network security, and graphical rendering.

The Computer Science Department's first postdoctoral fellow, Dr. Hannah Slay, was appointed in 2005, having recently completed a PhD degree at the University of South Australia.

A number of international visitors spent time the department during 2005, including Dr. Dennis Riordan from Dalhousie University, Canada, Professor Erkki Sutinen of Joensuu University in Finland, Dr. Olli Hietanen, Manager of the Finland Futures Research Centre, Mr. Heikki Hallantie of the Helsinki University of Technology in Finland, Dr. Nega Alemayehu, Director of the ETC Graduate School of Telecommunications in Ethiopia, and Mr. Robert Alfonsi of the University of Pisa, Italy.

On the publication side, 1 paper was published in a Journal, and 38 in the proceedings of foreign international and local conferences. Several internal technical reports and poster presentations were produced.

PROFESSOR G. WELLS
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Terzoli,A

Dalvit,L, Murray,S, Mini,B, Terzoli,A and Zhao,X. "Providing increased access to English L2 students of Computer Science at a South African University". *Journal of US-China Education Review.* 2005. 2(9),72-75.

Dalvit,L, Murray,S, Mini,B, Terzoli,A and Zhao,X. "Computers and African languages in education: An ICT tool for the promotion of multi-lingualism at a South African University". *Perspectives in Education.* 2005. 23(4),123-131.

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

i. Local Conferences (Within South Africa)

Bangay,SD

Glass,K and Bangay,SD. "Evaluating Parts-of-Speech Taggers for Use in a Text-to-Scene Conversion System". SAICSIT 2005 - A volume in the ACM International Conference Proceedings Series. White River. September 2005. 20-28.

Bangay,SD and Terzoli,A

Tsegaye,M, Bangay,SD and Terzoli,A. "A Prototyping Environment for Investigating Context Wearable Applications". SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference). Champagne Sports Hotel, Drakensburg. September 2005. 1-6.

Clayton,PG

Mackie,D and Clayton,PG. "Bluetooth hotspots: Extending the reach of Bluetooth by seamlessly transporting Bluetooth". SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference). Champagne Sports Hotel, Drakensburg. September 2005. 1-6.

Clayton,PG and Terzoli,A

Duff,K, Clayton,PG and Terzoli,A. "Facilitating Seamless Macro-Mobility across Heterogeneous Wireless IP Networks". SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference). Champagne Sports Hotel, Drakensburg. September 2005. 1-2.

Foss,RJ

Black,AH and Foss,RJ. "Software Quality Assurance in a Remote Client/Contractor Context". SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference). Champagne Sports Hotel, Drakensburg. September 2005. 1-5.

Foster,G and Clayton,PG

Thinyani,M, Foster,G and Clayton,PG. "Investigating the viability of small scale, easily deployable and extensible hotspot management system". SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference). Champagne Sports Hotel, Drakensburg. September 2005.

West,PM, Foster,G and Clayton,PG. "An Architecture for Adaptive Content Extraction in Wireless Networks". SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference). Champagne Sports Hotel, Drakensburg. September 2005. 1-6.

West,PM, Foster,G and Clayton,PG. "Content of Exposure Slide Show Presentations for selective download and annotation via Mobile devices". mLearn 2005 - 4th World Conference on Mobile Learning. ICC, Cape Town. October 2005.

Glass,K

Glass,K. "Building 3D Virtual Environments from Natural Language Descriptions". SAICSIT 2005. White River, White River. September 2005.

Irwin,BVW

Irwin,BVW. "Unlocking the armour: enabling intrusion detection of encrypted Traffic streams". Information Security South Africa (ISSA). Sandton Conference Centre, Johannesburg. July 2005. 1-10.

Cloran,RA and Irwin,BVW. "XML Digital Signature and RDF". Information Security South Africa (ISSA). Sandton Conference Centre, Johannesburg. July 2005.

Cloran,RA and Irwin,BVW. "Trust on the Web". Information Security South Africa (ISSA). Sandton Conference Centre, Johannesburg. July 2005. 1-8.

Cloran,RA and Irwin,BVW. "User Presentation of RDF". 7th Annual South African World Wide Web Conference. Cape Town International Convention Centre, Cape Town. September 2005.

Cloran,RA and Irwin,BVW. "Transmitting RDF graph deltas for a cheaper Semantic Web". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005. 1-2.

Forrester,JI and Irwin,BVW. "An Investigation into Unintentional Information Leakage through Electronic Publication". *Information Security South Africa (ISSA)*. Sandton Conference Centre, Johannesburg. July 2005.

Forrester,JI and Irwin,BVW. "Towards an Infrastructural Framework for Secure Electronic Publication". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005. 1-2.

Janse van Rensburg,HJ and Irwin,BVW. "Wireless Network Visualization". *Information Security South Africa (ISSA)*. Sandton Conference Centre, Johannesburg. July 2005.

Janse van Rensburg,HJ and Irwin,BVW. "802.11 Wireless Ethernet Propagation Modelling Software". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005. 1-2.

Motara,YM and Irwin,BVW. "File Integrity Checkers: State of the Art and Best Practices". *Information Security South Africa (ISSA)*. Sandton Conference Centre, Johannesburg. July 2005.

Motara,YM and Irwin,BVW. "Towards a Classification of Intrusion Strength". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005. 1-2.

White,DS and Irwin,BVW. "Windows Update Service: a Tutorial and Technical Investigation". *Information Security South Africa (ISSA)*. Sandton Conference Centre, Johannesburg. July 2005.

White,DS and Irwin,BVW. "Patching for Low-Bandwidth Communities: Maintaining security in developing countries". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005. 1-3.

Irwin,BVW and Terzoli,A

Clayton,BJ, Irwin,BVW and Terzoli,A. "Securing a Real-Time Multimedia: A brief Survey". *Information Security South Africa (ISSA)*. Sandton Conference Centre, Johannesburg. July 2005.

Clayton,BJ, Irwin,BVW and Terzoli,A. "Performance Cost in Securing Confidentiality, Integrity and Authenticity of VoIP Communications". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005. 1-2.

Opie,J, Irwin,BVW and Terzoli,A. "Securing Softswitches from Malicious Attacks: An Investigation into Securing iLanga, An Asterisk-base Softswitch". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005. 1-2.

Terzoli,A

Brandt,I, Hodgkinson-Williams,CA and Terzoli,A. "Networking the Learner: A Survey of the ICT Infrastructure in schools in the Grahamstown Area". *8th IFIP World Conference on Computers in Education*. University of Stellenbosch, Stellenbosch. July 2005.

Brandt,I, Terzoli,A and Hodgkinson-Williams,CA. "Wireless Communication for Previously Disadvantaged Secondary Schools in Grahamstown". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005.

Dalvit,L, Mini,B, Murray,S, Terzoli,A and Zhao,X. "ICT Education, language and equality a multilingual intervention". *Annual Conference of the Kenton Education Association*. Mpekwani Beach Resort, Mpekwani. October 2005.

Dalvit,L, Murray,S, Mini,B, Terzoli,A and Zhao,X. "Providing increased access to English L2 students of computer science at a South African University". *4th International Conference on Technology in Teaching and Learning in Higher Education*. 2005.

Dalvit,L, Murray,S, Mini,B, Terzoli,A and Zhao,X. "A web-based resource to bridge the language gap and the digital divide in ICT education in South Africa". *World Conference on Computers in Education*. Cape Town, Cape Town. July 2005.

Penton,J and Terzoli,A. "Liberating Asterisk: ADOSA, An Asterisk-inspired Distributed, Open, Softswitch Architecture". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005. 1-6.

Whittington,B and Terzoli,A. "A low cost, IP-based access loop for consumer telephony in rural communities". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005. 1-2.

Terzoli,A and Clayton,PG

King,A, Terzoli,A and Clayton,PG. "Provisioning a VoiceXML service in iLanga an Asterisk based Softswitch". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005. 1-2.

Wentworth,EP

Wentworth,EP. "Spread Spectrum Voice over IP". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005.

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

ii. International Conferences (Outside South Africa)

Foss,RJ

Foss,RJ, Fujimori,J, Kounosu,K and Laubscher,R. "An Open Generic Transporter Specification for the Plural Node Architecture of Professional Audio Devices". *118th Audio Engineering Society Convention*. New York, New York. USA. May 2005. AES Paper 6475.

Foss,RJ, Fujimori,J and Okai-Tettey,H. "An Open Design and Implementation for the Enabler Component of the Plural Node Architecture of Professional Audio Devices". *119th Audio Engineering Society Convention*. New York, New York. USA. October 2005. AES Paper 6536.

Irwin,BVW

Motara,YM and Irwin,BVW. "In Kernel Cryptographic binary protection". *First International IFIP 11.9 conference on Digital Forensics*. National Center for Forensic Science, Orlando, Florida. USA. February 2005. 303-313.

Terzoli,A

Dalvit,L, Mini,B, Murray,S, Terzoli,A and Zhao,X. "Access to ICT-Based Knowledge through English and African Languages at a South African University". *Knowledge Production and Higher Education in the 21st Century (Knowledge 2005)*. Bergen. Norway. August / September 2005.

Wells,GC

Wells,GC. "Coordination Languages: Back to the Future with Linda". *Proceedings of the Second International Workshop on Coordination and Adaption Techniques for Software Entities (WCAT'05) held in conjunction with ECOOP 2005*. Glasgow. UK. July 2005. 87-98.

Wells,GC and Akhurst,TJ. "Using Java and Linda for Parallel Processing in Bioinformatics for Simplicity, Power and Portability". *International Conference on Advances in the Internet, Processing, Systems, and Interdisciplinary Research*. Cambridge, Massachusetts. USA. July 2005. 1-7.

Wentworth,EP and Terzoli,A

Kwinana,ZN, Wentworth,EP and Terzoli,A. "An email based issue- tracking workflow system that is extensible across organizational boundaries". International Association for the Development of the Information Society (IADIS) Virtual Multi Conference on Computer Science and Information Systems (MCCSIS 2005). Virtual on-line conference, International Association for the Development of the Information Society (IADIS). April 2005.

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

Dalvit,L, Mini,B, Murray,S, Terzoli,A and Zhao,X. Exhibition. "E-Ncedo: a Web-Based Resource to Bridge the Language Gap and the Digital Divide in ICT Education in South Africa?". World Conference on Computers in Education (WCCE). ICC. Cape Town, South Africa. 4 - 7 July 2005.

Penton,J, Hitchcock,J and Terzoli,A. Exhibition. "iLanga: A Communication Platform for Africa". VoIP World Africa. Sandton Convention Centre. Johannesburg, South Africa. 5 - 7 April 2005.

DISTINGUISHED VISITORS

Mr. J Crum. Director, Tellabs International, London, UK. Research Collaboration Agreement. October 2005.

Mr. Y Desmet. VP Sales EMEA, Verso, Belgium. Research Collaboration Agreement. October 2005.

Mr. S Fourie. Managing Director, Comverse SA Pty Ltd, Johannesburg. Research Collaboration Agreement. October 2005.

Mr. H Hallantie. Helsinki University of Technology, Helsinki, Finland. Joint Research Visit. December 2005.

Dr. O Hietanen. Finland Futures Research Centre, Turku, Finland. Sabbatical Visit, & Postgraduate Seminars. May - June 2005.

Mr. K Mistelli. Director, Tellabs SA, Centurion. Research Collaboration Agreement. October 2005.

Mr. M Mostert. Executive: Technology Direction and Integration, Telkom, Pretoria. Research Collaboration Agreement. October 2005.

Dr. A Nega. Director, ETC Graduate School of Telecommunications, Addis Abbaba, Ethiopia. Research Collaboration & Postgraduate Seminar. March 2005.

Professor D Riordan. Dalhousie University, Halifax, USA. Sabbatical Visit, Joint Research & Postgraduate Seminars. February-April 2005.

Mr. T Sanderson. Director, Verso Technologies, Midrand. Research Collaboration Agreement. October 2005.

Professor E Sutinen. Joensuu University, Joensuu, Finland. Sabbatical Visit, Joint Research & Postgraduate Seminars. March 2005.

Mr. Z von Plato. Director: Storage Technology Services, Rivonia. Research Collaboration Agreement. October 2005.

JOURNAL SUBSIDY UNITS

COMPUTER SCIENCE	UNITS
Terzoli,A	
<i>Dalvit,L, Murray,S, Mini,B, Terzoli,A and Zhao,X. "Computers and African languages in education: An ICT tool for the promotion of multi-lingualism at a South African University". Perspectives in Education. 2005. 23(4),123-131.</i>	0.40
TOTAL FOR COMPUTER SCIENCE	0.40

DRAMA

Professional outputs in the theatre industry have been outstanding. Professor de Wet won the Fleur de Cap Award for Best New Indigenous Text (Breathing In). Two of her plays had successful runs in Greece and New York. Professor Andrew Buckland performed in Zimbabwe and Mauritius. He began rehearsals for the Truth in Translation Project, an international collaboration between South Africa, Stockholm and New York. Professor Gary Gordon's re-construction of The Unspeakable Story was performed to acclaim in Johannesburg where Adrienne Sichel credited the First Physical Theatre Company as "living South African artistic heritage in the truest sense".

The Drama Department presented a strong profile at the National Arts Festival. Ms. Finestone-Praeg's 37 degrees of fear ... featured on the main programme at the National Arts Festival; Professor Buckland's Scorpion was mounted on the Fringe and two postgraduate students mounted their own works.

Ms. Sutherland's, Muti inc. commissioned by the Department of Science and Technology was performed at the SciFest. Ms. Gehring created a new work, Mina Nawe, for the Ubom! touring programme. Ms. Finestone-Praeg performance in Gordon's The Unspeakable Story was noted by Business Day reviewer: "Praeg is magnificent as the brooding mother". Professor de Wet's Verleiding was performed at the Woordfees in Stellenbosch, the KKKNK Festival and the Aardklop Festival.

Academic investigations into theatre were promoted in a number of ways. Ms. Sutherland was awarded a distinction for her Master's degree, presented a paper at the international *Performing the World* conference in New York and was elected onto the research team for investigating practice-as-research in South Africa. Professor de Wet's new book, Plays Two was published by Oberon Press. Professor Buckland scripted four new plays as part of the Amathole heritage initiative. Professor Gordon travelled to various performance institutes in London and returned with two exchange offers for Rhodes graduates.

The department's associated projects continued to innovate in theatre forms. Ubom! trailblazed through nine provinces and toured to Botswana, reaching over 37000 people. Eleven new plays were created in 2005.

First Physical Theatre Company highlights included twenty new theatre works; delivery of the accredited skills programme in dance production; the launch of the First Physical Youth Company; and the appointment of patron Marion North O.B.E. of the Laban Centre, London.

Three Master's students from 2005 will be graduating in 2006 and there are four Master's students registered for 2006.

PROFESSOR G. GORDON
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

de Wet,R

de Wet,R. In: *Plays Two*. Oberon Books. London. 2005. 7-191.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

de Wet,R

de Wet,R. "Concealment". *South African Theatre Journal*. 2004. 18(1),299-351.

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

ii. International Conferences (Outside South Africa)

Sutherland,AEM

Sutherland,AEM. "The spaces between negotiating difference self and other through drama". *Performing the World 3*. Tarrytown, New York. USA. October 2005.

CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

Buckland,AF

Buckland,AF. Workshop Leader. "*Contemporary performance skills*". KwaZulu-Natal Schools. Festival Venue. Durban/Pietermaritzburg. 1 - 28 January 2005.

Buckland,AF. Performer. "*Feedback*". KwaZulu-Natal Schools. DHS, St Mary's, Michaelhouse. Durban/Pietermaritzburg. 1 - 28 January 2005.

Buckland,AF. Director. "*Hotel Paradiso*". Rhodes University Graduation Celebrations. Rhodes Theatre. Grahamstown. 1 March - 2 April 2005.

Buckland,AF. Performer. "*Feedback*". KwaZulu-Natal Schools. Pietermaritzburg Boys High. Durban/Pietermaritzburg. 1 - 18 April 2005.

Buckland,AF. Playwright/Performer. "*Makana*". National Arts Festival Fringe. Fringe Venue. Grahamstown. 1 - 9 July 2005.

Buckland,AF. Playwright/Performer. "*Makana*". National Schools Festival. Guy Butler Theatre. Grahamstown. 1 - 14 July 2005.

Buckland,AF. Playwright/Director. "*The Scorpion*". National Schools' Festival. Rhodes University Great Hall. Grahamstown. 1 - 14 July 2005.

Buckland,AF. Playwright/Director. "*The Scorpion*". National Arts Festival. Glenni Hall. Grahamstown. 1 - 3 July 2005.

Buckland,AF. Playwright/Performer. "*The Ugly Noo Noo/ Feedback*". Peterhouse High School centenary. Peterhouse High School. Marondera, Zimbabwe. 28 July - 1 August 2005.

Buckland,AF. Playwright/Performer. "*Makana*". Grahamstown Schools Concert. Nombulelo School Hall. Grahamstown. 1 - 17 August 2005.

Buckland,AF. Playwright/Performer. "*Makana*". Amahlali Festival. Stutterheim Theatre. Stutterheim. 1 - 27 August 2005.

Buckland,AF. Playwright/Performer. "*Makana*". East London Players. Elp Theatre. East London. 1 - 8 September 2005.

Buckland,AF. Playwright/Performer/Workshop Leader. "*Makana*". Mdantsane Cultural Centre. MCC Open Air Theatre. Mdantsane. 1 - 8 September 2005.

Buckland,AF. Performer. "*Confidence and Respect*". Pick 'n Pay Manager's Conference. Hilton Hotel. Mauritius. 13 - 15 September 2005.

Buckland,AF. Performer. "*Boof Aargh!*". Grahamstown Performance Venue Schedule. The Trading Store. Grahamstown. 1 - 7 October 2005.

Buckland,AF. Performer. "*Truth in Translation*". Truth in Translation Project. UCT/Market Theatre. Cape Town/Johannesburg. 1 October - 26 November 2005.

Buckland,AF. Performer. "*Sorted*". Television Comedy Series. SABC 2. Johannesburg. 1 - 19 November 2005.

Buckland,JM

Buckland,JM. Choreographer. "*The Triplets of Tantie*". Trading Store Premier. Trading Store. Grahamstown. 1 - 28 October 2005.

Buckland,JM. Choreographer. "*The Triplets of Tantie*". Trading Store Premier. Trading Store. Grahamstown. 1 - 17 November 2005.

Buckland,JM. Director. "*Say Otherwise*". National Schools Festivals Performances. 20 School Venues. National Tour. October 2005.

de Wet,R

de Wet,R. Playwright. "*African Gothic*". Play Performance Directed by Jamesin Rothschild. The Elephant Theatre. Hollywood , Los Angeles. 20 January - 13 February 2005.

de Wet,R. Playwright. "*Verleiding*". Klein Karoo Festival. Nasionale Kunstefees. Oudtshoorn. 1 March - 2 April 2005.

de Wet,R. Playwright. "*Verleiding*". Woordfees Directed by Bartinus Basson. Stellenbosch University. Stellenbosch. 1 - 5 March 2005.

de Wet,R. Playwright. "*Verleiding*". Aardklop Festival. Festival Venue. Potchestroom. September - October 2005.

de Wet,R. Playwright. "*Crossing*". Play Performance Directed by Konstantina Ritsou. Athens, Greece. 2 October - 23 December 2005.

Finestone-Praeg,J

Finestone-Praeg,J. Performer. "*The Unspeakable Story*". Commissioned Performance. The Dance Factory. Johannesburg. 1 - 13 February 2005.

Finestone-Praeg,J. Performer. "*The Unspeakable Story*". Commissioned Performance. Rhodes University Theatre. Grahamstown. 1 - 18 February 2005.

Finestone-Praeg,J. Choreographer. "*37 Degrees of Fear*". National Arts Festival (Main Programme). Rhodes University Great Hall. Grahamstown. 1 June - 3 July 2005.

Finestone-Praeg,J. Choreographer. "*Slow Island*". Dance Festival. Rhodes University Theatre. Grahamstown. 1 - 24 September 2005.

Finestone-Praeg,J. Choreographer. "*Slow Island*". Red Crushed Velvetl Touring Performance. Elizabeth Sneddon Theatre. Durban. 1 - 9 October 2005.

Finestone-Praeg,J. Choreographer. "*Slow Island*". Red Crushed Velvetl Touring Performance. St.Anne's Theatre. Pietermaritzburg. 1 - 15 October 2005.

Finestone-Praeg,J. Choreographer. "*Slow Island*". Fizz Theatre Concert Performance. Rhodes University Box Theatre. Grahamstown. 1 - 19 November 2005.

Gehring,H

Gehring,H. Performer. "*Verleiding*". Klein Karoo Nasionale Kunstefees. Festival Venue. Oudtshoorn. 1 March - 2 April 2005.

Gehring,H. Director. "*For colored girls who have considered suicide when the rainbow is enuf*". Drama Department Production. Rhodes Box Theatre. Grahamstown. 1 - 21 May 2005.

Gehring,H. Facilitator. "*Moving through the rainbow*". Eastern Cape Schools' Festival. 1820 Foundation Monument. Grahamstown. 1 - 12 May 2005.

Gehring, H. Facilitator. *"For colored girls who have considered suicide when the rainbow is enuf"*. National Schools' Festival. 1820 Foundation Monument. Grahamstown. 1 - 12 July 2005.

Gehring, H. Director. *"Beautiful Lofty Things"*. National Arts Festival. Cathedral. Grahamstown. 1 - 5 July 2005.

Gehring, H. Performer. *"Amleth/Hamlethouse"*. National Arts Festival. 9 Worcester Street. Grahamstown. 1 - 9 July 2005.

Gehring, H. Director. *"For colored girls who have considered suicide when the rainbow is enuf"*. National Schools' Festival. Rhodes University Theatre. Grahamstown. 1 - 14 July 2005.

Gehring, H. Performer. *"Beautiful Lofty Things"*. National Arts Festival. Cathedral. Grahamstown. 1 - 5 July 2005.

Gehring, H. Director. *"Mina Nawe"*. Ubom Touring Performance. Eastern Cape Touring Venues. Eastern Cape Towns. 1 August - 30 September 2005.

Gehring, H. Performer. *"Verleiding"*. Aardkloop. Festival Venue. Potchestroom. September - October 2005.

Gordon, GE

Gordon, GE. Performer/Choreographer. *"The Unspeakable Story"*. Commissioned Performance. Dance Factory. Johannesburg. 1 - 13 February 2005.

Gordon, GE. Performer/Choreographer. *"The Unspeakable Story"*. Commissioned Performance. Rhodes University Theatre. Grahamstown. 1 - 18 February 2005.

Gordon, GE. Teacher/Assessor. *"Skills Programme - Dance production"*. Dance Production. Rhodes Drama Department. Grahamstown. 1 April - 15 July 2005.

Gordon, GE. Co-ordinator. *"PGCE - Dance Curriculum for Arts & Culture Teachers"*. Invited teacher. Rhodes Education Department. Grahamstown. 1 April - 30 May 2005.

Gordon, GE. Choreographer. *"Tread"*. National Arts Festival (fringe). Alec Mullins Hall. Grahamstown. 1 June - 5 July 2005.

Gordon, GE. Choreographer. *"Tread"*. Concert Performance. DASA Theatre. Stutterheim. 1 - 27 August 2005.

Gordon, GE. Choreographer. *"Tread"*. Concert Performance. Rhodes University Theatre. Grahamstown. 1 - 6 August 2005.

Gordon, GE. Choreographer. *"Tread"*. Concert Performance. St Anne's Theatre. Pietermaritzburg. 1 - 15 October 2005.

Gordon, GE. Choreographer. *"Tread"*. Concert Performance. Elizabeth Sneddon Theatre. Durban. 1 - 9 October 2005.

Gordon, GE. Choreographer. *"Tread"*. Concert Performance. Rhodes University Box Theatre. Grahamstown. 1 - 19 November 2005.

Snyman, B

Snyman, B. Choreographer. *"Straits"*. FNB Dance Umbrella. Wits Theatre. Johannesburg. 1 - 4 March 2005.

Snyman, B. Choreographer. *"Notes from Life"*. National Arts Festival Fringe. Alex Mullins Hall. Grahamstown. 1 - 9 July 2005.

Snyman, B. Choreographer. *"Straits"*. National Arts Festival Fringe. Alec Mullins Hall. Grahamstown. 1 - 9 July 2005.

Snyman, B. Choreographer. *"Grey Sunday"*. Dance Festival. Rhodes University Theatre. Grahamstown. 1 - 24 September 2005.

Snyman, B. Choreographer. *"Grey Sunday"*. Fizz Theatre. Rhodes University Box Theatre. Grahamstown. 1 - 19 November 2005.

Spring, P

Spring, P. Director. *"Whatever happened to Betty Lemon?"*. National Arts Festival Fringe. Crossways. Grahamstown. 1 - 5 July 2005.

Sutherland, AEM

Sutherland, AEM. Director. *"Muti Inc"*. SciTech. Pretoria. Pretoria. 1 February - 4 March 2005.

Sutherland, AEM. Director. *"Muti Inc"*. SciFest. Rehearsal Room, Monument. Grahamstown. 1 - 22 March 2005.

Sutherland, AEM. Director. *"Muti Inc"*. KZN Schools Festival. Hilton Theatre. Pietermaritzburg. 1 - 6 April 2005.

Sutherland, AEM. Director. *"Muti Inc"*. North West School Festival. International School Mafikeng. Mafikeng. 1 - 20 April 2005.

Sutherland, AEM. Director. *"Muti Inc"*. Maitisong Festival. Maru-a-Pula School. Gaborone, Botswana. 14 April 2005.

Sutherland, AEM. Workshop Leader. *"Theatre Talk"*. National Schools Festival. 1820 Settlers Monument. Grahamstown. 1 - 15 July 2005.

Sutherland, AEM. Director. *"Muti Inc"*. Public Understanding of Biotechnology Education Programme. Theatre on the Square. Sandton. 1 - 22 October 2005.

Sutherland, AEM. Workshop Leader. *"Negotiating difference self and other through drama"*. PTW conference. Tarrytown House. New York, USA. 14 October 2005.

Tang, A

Tang, A. Workshop Facilitator. *"Thoughts you can Touch"*. Physical Theatre Residency. St Anne's College. Pietermaritzburg. 1 - 28 January 2005.

Tang, A. Choreographer / Performer. *"The Beloved"*. FNB Dance Umbrella. Wits Theatre. Johannesburg. 1 - 3 March 2005.

Tang, A. Choreographer / Performer. *"amaQueerKwere"*. National Arts Festival Fringe. Old Goal. Grahamstown. 1 - 9 July 2005.

Tang, A. Choreographer / Performer. *"Apology for a Stranger"*. Dance Festival. Rhodes University Theatre. Grahamstown. 1 - 21 September 2005.

Walsh, AM

Walsh, AM. Workshop Facilitator. *"Art of The Street Project"*. Workshops. Luvuyo Hall. Grahamstown. February - July 2005.

Walsh, AM. Director/Scriptwriter. *"Ex/Change"*. National Arts Festival. Street Theatre. Grahamstown. 1 June - 9 July 2005.

DISTINGUISHED VISITORS

Ms. J Ginslov. Freelance Choreographer, AFTA, Johannesburg. Commissioned Choreographer. June - July 2005.

Ms. N Mahlathini. Invited Performer, Johannesburg. Guest Performer & Teacher. January - October 2005.

Mr. R Maseko. Invited Performer, Johannesburg. Guest Performer & Teacher. January - December 2005.

Ms. E Mills. Senior Lecturer, UCT, Cape Town. Guest Lecturer. February-April 2005.

Ms. L Moala. Performer, Idendepend Ballet Wales, England. Guest Performer & Teacher. May - July 2005.

Dr. P Newmark. Freelance Director & Lecturer, Oxford, England. Guest Director & Lecturer. June - August 2005.

Ms. S Pienaar. Freelance Performer/Choreographer, Cape Town. Guest Performer. May - July 2005.

JOURNAL SUBSIDY UNITS

DRAMA	UNITS
de Wet,R	
<i>de Wet,R. "Concealment". South African Theatre Journal. 2004. 18(1),299-351.</i>	1.00
TOTAL FOR DRAMA	1.00

ECONOMICS AND ECONOMIC HISTORY

Dr. Ken Willis from Newcastle was appointed Hobart Houghton fellow for the year and worked productively with Dr. Jen Snowball. Their collaboration resulted in a publication in the forthcoming March 2006 edition of the South African Journal of Economics. Dr. Jen Snowball completed her PhD and was subsequently promoted to senior lecturer. Professor Arthur Webb was her supervisor.

The department had another very productive year in terms of subsidizable research output. Members of staff who were successful in producing publications in accredited journals are Professor Hugo Nel (with Seth Cumming), Professor Geoff Antrobus (with Anton Nahman), Dr. Jen Snowball, Mr. Meshach Aziakpono (individually and with Professor Pierre Faure and Ms. Catherine de Angelis) and Mr. James Juana. Several members presented papers at academic conferences: Professors Hugo Nel, Geoff Antrobus and Pierre Faure, Drs Jen Snowball and Tsitsi Mutambara, Meshach Aziakpono, David Fryer, Cyril Mbatha, Magda Wilson, Jason Turner, Daniel Munene and several Master's students. The department had a record presence at the South African Economics Society conference in Durban.

The annual postgraduate research conference in October was a huge success and for the first time drew papers from students in Port Elizabeth as well. The key-note address was delivered by Reserve Bank Deputy-Governor and Rhodes Visiting Professor Dr. Xolile Guma. The conference received sponsorship from the Economic Society of South Africa.

Professor Pierre Faure visited banks in Malawi and the central banks of Rwanda and Uganda to conduct research on the feasibility of the potential establishment of bank-related business in these countries.

The department hosted the annual *Round Table* of the South African Savings Institute in March.

Distinguished visitors who taught at the postgraduate level and/or gave seminars include Dr. Penny Hawkins from "Feasibility", Dr. Xolile Guma, Deputy Governor of the SARB, Professor Deidre McCloskey, from the University of Chicago, Dr. Christo Viljoen, a derivatives consultant from Bloemfontein, Mr. Maarten Ackerman from Citadel and Mr. Rudolf Gouws, Chief Economist from Rand Merchant Bank.

PROFESSOR H. NEL
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Aziakpono,MJ

Aziakpono,MJ. "Financial Development and Economic Growth in Southern Africa". In: Grandes,M and Pinaud, N (eds) Reducing Capital Cost in Southern Africa. OECD Publishing. Paris, France. 2005. 137-167.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Antrobus,GG

Nahman,A and Antrobus,GG. "The Environmental Kuznets Curve: a Literature Survey". *South African Journal of Economics*. 2005. 73(1),105-120.

Nahman,A and Antrobus,GG. "Trade and the Environmental Kuznets Curve: is southern Africa a pollution haven?". *South African Journal of Economics*. 2005. 73(4),803-814.

Aziakpono,MJ

Braimoh,D and Aziakpono,MJ. "Investment in Higher Education: A Comparative Analysis of the Cost and Benefit of Conventional and Distance Education for Human Resource Development". *Asian Journal of Distance Education*. 2004. 2,1-13.

Aziakpono,MJ and Faure,AP

De Angelis,C, Aziakpono,MJ and Faure,AP. "The Transmission of Monetary Policy under the Repo System in South Africa: an Empirical Analysis". *South African Journal of Economics.* 2005. 73(4),657-673.

Dinneya,GE

Dinneya,GE and Tsegaye,A. "Constructing a cardinal measure of democratic development in a transition polity: The Nigerian example". *Canadian Journal of Political Science.* 2004. 37(2),347-373.

Juana,JS

Juana,JS and Mabugu,RE. "Assessment of Smallholder Agriculture's Contribution to the Economy of Zimbabwe: A Social Accounting Matrix Multiplier Analysis". *Agrekon.* 2005. 44,344-362.

Nel,H

Nel,H and Cumming,S. "Capital controls and the lending behaviour of South African banks: Preliminary findings on the expected impact of Basel II". *South African Journal of Economics.* 2005. 73(4),641-656.

Snowball,JD

Snowball,JD. "Art for the masses? Justification for the public support of the arts in developing countries - two arts festivals in South Africa". *Journal of Cultural Economics.* 2005. 29(2),107-125.

Snowball,JD and Snowball,WD. "Five unpublished coins of Alexander the Great and his successors in the Rhodes University collection". *Akroterion.* 2005. 50,13.

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

i. Local Conferences (Within South Africa)

Antrobus,GG

Antrobus,GG and Law,M. "Towards an Economic Valuation of Biodiversity: freshwater ecosystems". *South African Economics Society (ESSA) Biannual Conference.* Elangeni Holiday Inn, Durban. September 2005.

Aziakpono,MJ

Aziakpono,MJ. "Financial development and economic growth in a small and open African economy: Evidence from Lesotho". *South African Economics Society (ESSA) Biannual Conference.* Elangeni Holiday Inn, Durban. September 2005.

Takaendesa,P, Tsheole,T and Aziakpono,MJ. "Real exchange rate volatility and its effects on trade flows: new evidence from South Africa". *South African Economics Society (ESSA) Biannual Conference.* Elangeni Holiday Inn, Durban. September 2005.

Aziakpono,MJ and Faure,AP

De Angelis,C, Aziakpono,MJ and Faure,AP. "The transmission of monetary policy under the repo system in South Africa: An empirical analysis". *South African Economics Society (ESSA) Biannual Conference.* Elangeni Holiday Inn, Durban. September 2005.

Aziakpono,MJ and Wilson,MK

Aziakpono,MJ, Wilson,MK and Manuel,J. "Adjustment of commercial banks' interest rates and the effectiveness of monetary policy in South Africa". *Southern African Finance Association Conference.* University of Cape Town, Cape Town. January 2005.

Fryer,D and Cattaneo,N

Fryer,D, Hlungwane,N and Cattaneo,N. "Is South Africa kicking away the development ladder? Neoliberalism in an era of declining American hegemony". *Trade and Industrial Policy Strategies/Development Policy Research Unit Annual Forum.* Glenburn Lodge, Muldersdrift. November 2005.

Mbatha,C

Mbatha,C. "Considerations for Developing Water Appropriate Guidelines for Conducting C.V. Studies: A Kat River Valley Case Study". *South African Economics Society (ESSA) Biannual Conference*. Elangeni Holiday Inn, Durban. September 2005. 66.

Mbatha,C. "Economic Value of Groundwater: Valuation Methodology". *International Workshop on Groundwater Protection in Africa*. University of the Western Cape, Cape Town. November 2005.

Mutambara,TE

Mutambara,TE. "An evaluation of opportunities and potential within the Southern Africa Development Community region and ways to utilise these more fully". *South African Economics Society (ESSA) Biannual Conference*. Elangeni Holiday Inn, Durban. September 2005. 41.

Nel,H

Nel,H and *Cumming,S.* "Capital Controls and the lending behaviour of South African banks: Preliminary findings on the expected impact of Basel II". *South African Economics Society (ESSA) Biannual Conference*. Elangeni Holiday Inn, Durban. September 2005. 641.

Snowball,JD and Antrobus,GG

Snowball,JD and *Antrobus,GG.* "Is economic impact a good way of justifying the inclusion of foreign students in South African Universities?". *9th Annual IEASA conference*. Rosebank Hotel, Johannesburg. September 2005.

Snowball,JD and Willis,K

Snowball,JD and *Willis,K.* "Economic Development and cultural expression: A choice experiment at the South African National Arts Festival". *South African Economics Society (ESSA) Biannual Conference*. Elangeni Holiday Inn, Durban. September 2005. 75.

Snowball,JD and Wilson,MK

Snowball,JD and *Wilson,MK.* "What matters in economics teaching and learning: A case study of an introductory macroeconomics course". *South African Economics Society (ESSA) Biannual Conference*. Elangeni Holiday Inn, Durban. September 2005.

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

Aziakpono,MJ. "Financial integration amongst the SACU countries: evidence from interest rate pass-through analysis". *10th Annual Conference of the Africa Econometric Society*. Grand Regency Hotel, Nairobi. Kenya. July 2005.

Mutambara,TE

Mutambara,TE. "The Southern Africa Development Community: A regional integration arrangement with southern Africa and its implications for industrial development". *Organisation for Social Science Research for Eastern and Southern Africa's (OSSREA) 8th Congress*. UN Conference Centre, Addis Ababa. Ethiopia. November 2005.

DISTINGUISHED VISITORS

Mr. M Ackerman. Citadel Asset Management, Cape Town. Lectures in Master's in Financial Markets. October 2005.

Dr. X Guma. South African Reserve Bank, Pretoria. Postgraduate Conference Guest Speaker. October 2005.

Dr. P Hawkins. Feasibility Ltd, Johannesburg. Lectures in Master's in Financial Markets. March 2005.

Professor D McCloskey. University of Chicago, Chicago USA. Seminar. September 2005.

Professor A Schumacher. University of Schloss Reichart-Shausen, Germany. Academic visit. March 2005.

Dr. C Viljoen. Private Consultant, Bloemfontein. Lectures in Master's in Financial Markets. October 2005.

JOURNAL SUBSIDY UNITS

ECONOMICS AND ECONOMIC HISTORY	UNITS
Antrobus,GG	
<i>Nahman,A and Antrobus,GG. "The Environmental Kuznets Curve: a Literature Survey". South African Journal of Economics. 2005. 73(1),105-120.</i>	1.00
<i>Nahman,A and Antrobus,GG. "Trade and the Environmental Kuznets Curve: is southern Africa a pollution haven?". South African Journal of Economics. 2005. 73(4),803-814.</i>	1.00
Aziakpono,MJ and Fuare,AP	
<i>De Angelis,C, Aziakpono,MJ and Faure,AP. "The Transmission of Monetary Policy under the Repo System in South Africa: an Empirical Analysis". South African Journal of Economics. 2005. 73(4),657-673.</i>	1.00
Dinneya,GE	
<i>Dinneya,GE and Tsegaye,A. "Constructing a cardinal measure of democratic development in a transition polity: The Nigerian example". Canadian Journal of Political Science. 2004. 37(2),347-373.</i>	0.50
Juana,JS	
<i>Juana,JS and Mabugu,RE. "Assessment of Smallholder Agriculture's Contribution to the Economy of Zimbabwe: A Social Accounting Matrix Multiplier Analysis". Agrekon. 2005. 44,344-362.</i>	0.50
Nel,H	
<i>Nel,H and Cumming,S. "Capital controls and the lending behaviour of South African banks: Preliminary findings on the expected impact of Basel II". South African Journal of Economics. 2005. 73(4),641-656.</i>	1.00
Snowball,JD	
<i>Snowball,JD. "Art for the masses? Justification for the public support of the arts in developing countries - two arts festivals in South Africa". Journal of Cultural Economics. 2005. 29(2),107-125.</i>	1.00
<i>Snowball,JD and Snowball,WD. "Five unpublished coins of Alexander the Great and his successors in the Rhodes University collection". Akroterion. 2005. 50,13.</i>	0.50
TOTAL FOR ECONOMICS	6.50

EDUCATION

Our return for 2005 reveals a picture that is generally very pleasing. In 2005 the Department as a whole embarked on a re-orientation drive that foregrounded research as not only integral to our work, but central to our enterprise. An integrated strategy with long-term impact has been developed and this is clearly bearing fruit.

The return gives the sense of a healthy and robust research climate in the Department. The profile that is emerging is a vigorous engagement in conferences and other national and international forums. 39 conference presentations were made, many of these at conferences with international repute. A number of these presentations are currently being converted to journal publications. Our contributions to and participation in accredited journals has increased significantly in 2005. Two accredited journals are edited by staff of the Education Department.

Although members of the EESU appear to dominate our research output, it is very exciting to note a good spread of contributions from all members of the Department. The research work done by the EESU continues to be internationally cutting edge and its reputation as a centre of excellence is growing from strength to strength. It is important to note that the Department's research profile needs to be seen against a backdrop of an extensive supervision programme. We supervise over 120 Master's students and over 40 PhD scholars, and the challenge that continues to confront us is to integrate our supervision programme more strategically with our overall research vision.

Another challenge we face is the appropriate dissemination of our research findings. As most of our research is localised and revolves around issues of curriculum and policy it is important that policy makers have access to these findings. This is clearly not happening and we are constantly seeking ways of supporting a more broad-based strategy of disseminating of our work. If we want to strengthen the external impact of our work it is crucial that our findings are disseminated beyond journal articles and academic publications.

PROFESSOR M. SCHAFER
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Irwin,PR

Irwin,PR. Environmental Education in Southern and Eastern Africa: a Directory. Rhodes University. Grahamstown. Second Edition. 2005. 56 pp.

Irwin,PR and Lotz-Sisitka,HB

Irwin,PR and *Lotz-Sisitka,HB*. "A history of environmental education in South Africa". In: Loubser, CP (eds) Environmental Education: Some South African perspectives. van Schaik. Pretoria. 2005. 33-56.

Kohly,N

Kohly,N. "Continuing development of the environmental education module for the PGCE at Rhodes University". In: Le Roux, C (eds) Our Environment, Our Stories. Silowa Publishers. Pretoria. 2005. 13-28.

Lotz-Sisitka,HB

Lotz-Sisitka,HB. "Environmental education and training in industry". In: Loubser, CP (eds) Environmental Education: Some South African perspectives. van Schaik. Pretoria. 2005. 162-173.

Lotz-Sisitka,HB and Timmermans,I

Lotz-Sisitka,HB, *Timmermans,I* and *Ward,K*. "Improving rural education: Lesson plans, school improvement and learning actions with eco-schools". In: Le Roux, C (eds) Our environment our stories. Unisa. Pretoria. 2005. 29-45.

Lupele,J

Lupele,J. Lupele, J (eds). Monograph: Case studies of environmental education course development in southern Africa. SADC REEP. Howick. 2005. 9 pp.

Lupele,J. "From stories to text". In: Le Roux, C (eds) Our Environment, Our Stories. Silowa Publishers. Pretoria. 2005. 59-70.

Nhamo,G

Nhamo,G. "Implementing Rhodes University's Environmental Policy". In: Le Roux, C (eds) Our Environment, Our Stories. Silowa Publishers. Pretoria. 2005. 221-230.

Nhamo,G. "Integrating local contexts into university teaching: A case of Bulawayo's solid waste management system". In: Le Roux, C (eds) Our Environment, Our Stories. Silowa Publishers. Pretoria. 2005. 211-220.

Nhamo,G. "Policy instruments for eliminating plastic bags from South Africa's environment". In: Tiezzi, E (eds) Ecosystems and Sustainable Development V. WIT Press. Southampton. 2005. 397-406.

O'Donoghue,RB

O'Donoghue,RB. "A review of biodiversity and water education activities in southern African school and community contexts". In: O'Keefe, J (eds) A Global Review Of Biodiversity, With Particular Reference To Freshwater Ecosystems. WWF. 2005.

O'Donoghue,RB and Goduka,L

O'Donoghue,RB, Moate,M, Wieme van Baren,J and Goduka,L. "Indigenous ways of knowing: Case stories of participant observation with action research to inform environmental learning". In: Le Roux, C (eds) Our environment our stories. Unisa. Pretoria. 2005. 197-205.

Schafer,M

Schafer,M. (eds) Pythagoras. AMESA. Cape Town. 2005.

Brown,B, Schafer,M and Stoker,J. Learner's guide for Grade 10 - Maths for Life. Juta Gariep. Cape Town. 2005. 199 pp.

Brown,B, Schafer,M and Stoker,J. Teacher's guide for Grade 10 - Maths for Life. Juta Gariep. Cape Town. 2005. 153 pp.

Young,D, van der Vlugt,J, Qanya,S, Aldous,C, Anderson,T, Davies,N, Deyi,S, Diwu,C, Faraghar,M, Hammond-Gordon,M, Mbatha,T, Mwepu,D, Nxasana,J, Rogan,J, *Schafer,M*, Solomons,G, Stander,C, van Niekerk,M, Wildsmith-Cromarty,R and Zuma,S. Understanding Concepts in Mathematics and Science. Maskew Miller Longman. Cape Town. 2005.

Timmermans,I

Timmermans,I. "Designing resources and research opportunities for contextual and workplace-based environmental education". In: Lupele, J (eds) Monograph: Cases of course development in environmental and sustainability education in southern Africa. SADC Regional Environmental Education programme. 2005. 1, 44-52.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**Dalvit,L**

Dalvit,L and De Klerk,V. "Attitudes of isiXhosa-speaking students at the University of Fort Hare towards the use of isiXhosa as Language or Learning and teaching". *Southern African Linguistics and Applied Language Studies.* 2005. 23(1),1-18.

Goduka,L

Goduka,L. "Eziko: Sipheka sisophula. Nguni foundations for educating / researching for sustainable development". *South African Journal of Higher Education.* 2005. 19(3),467-481.

Hodgkinson-Williams,CA

Czerniewicz,L and *Hodgkinson-Williams,CA*. "Editorial: Education in South Africa - what have ICTs got to do with it?". *Perspectives in Education*. 2005. 23(4),7-14.

Wilson-Strydom,M, Thomson,J and *Hodgkinson-Williams,CA*. "Understanding ICT integration in South African Classrooms". *Perspectives in Education*. 2005. 23(4),71-85.

Lotz-Sisitka,HB

Lotz-Sisitka,HB. "Conference reflections: 3rd World Environmental Education Congress: Educational pathways for sustainability". *Southern African Journal of Environmental Education*. 2005. 22,174-178.

Lotz-Sisitka,HB. "Editorial: Situated culture, ethics and new learning theory: Emerging perspectives in Environmental Education Research". *Southern African Journal of Environmental Education*. 2005. 22,5-10.

Lupele,J and Mwingini,M

Lupele,J, Mwingini,M, Kinyanjui,FK, Kimani,J and Kisamba,C. "Methodological decisions in context: The dilemmas and challenges of novice African scholars". *Southern African Journal of Environmental Education*. 2005. 22,46-59.

Murray,S

Dalvit,L, Murray,S, Mini,B, Terzoli,A and Zhao,X. "Providing increased access to English L2 students of Computer Science at a South African University". *Journal of US-China Education Review*. 2005. 2(9),72-75.

Dalvit,L, Murray,S, Mini,B, Terzoli,A and Zhao,X. "Computers and African languages in education: An ICT tool for the promotion of multi-lingualism at a South African University". *Perspectives in Education*. 2005. 23(4),123-131.

O'Donoghue,RB

O'Donoghue,RB. "Cholera in KwaZulu-Natal: Probing institutional governmentality and indigenous handwashing practices". *Southern African Journal of Environmental Education*. 2005. 22,60-73.

O'Donoghue,RB and Lotz-Sisitka,HB

O'Donoghue,RB and Lotz-Sisitka,HB. "Towards a better grasp of what matters in view of the 'posts'". *Environmental Education Research Journal*. 2005. 11(8),445-454.

Price,L

Price,L. "Social epistemology and its political correct words: Avoiding absolutism, relativism, consensualism and vulgar pragmatism". *Canadian Journal of Environmental Education*. 2005. 10,94-96.

Price,L. "Playing musement games: retrodution in social research, with particular reference to indigenous knowledge in environmental and health education". *Southern African Journal of Environmental Education*. 2005. 22,88-97.

Ramsurup,P and Ketlhoilwe,M

Ramsurup,P, Reddy,C, Dillon,J and Ketlhoilwe,M. "Designing research in environmental education. Curriculum policy construction, conceptualisation and implementation". *Southern African Journal of Environmental Education*. 2005. 22,159-166.

Schudel,I

Schudel,I. "Students' engagement with learning theory". *Southern African Journal of Environmental Education*. 2005. 22,111-125.

Shava,S

Shava,S. "Research on Indigenous Knowledge and its Application: A Case of Wild Food Plants of Zimbabwe". *Southern African Journal of Environmental Education*. 2005. 22,74-87.

Smith,C

Pearse,NJ and Smith,C. "Theory generation: An illustration of the use of grounded theory in management research". *Management Dynamics: Contemporary Research Journal of The Southern Africa Institute for Management Scientists/Bestuursdinamika: Kontemporêre Navorsing Tydskrif Van Die Suider-Afrika Instituut Vir Bestuurwetenskaplikes*. 2005. 14(2),47-59.

Wilmot,D

Wilmot,D. "The development phase of a case study on outcomes-based education assessment policy in Human and Social Sciences learning area of C2005". *South African Journal of Education*. 2005. 25(2),69-77.

OTHER PUBLICATIONS**Hodgkinson,CA**

Hodgkinson,CA and Mostert,M. "Online debating to encourage student participation in online learning environments: a qualitative case study at a South African university". *International Journal of Education and Development using Information and Communication Technology*. 2005. 1(2), 94-104.

Kohly,N

Kohly,N. "Book review: The Death of Our Planet's Species. A Challenge to Ecology and Ethics". *Journal for Nature Conservation*. 2005. 13(4), 277-278.

Lotz-Sisitka,HB

Lotz-Sisitka,HB, Maila,W and Khumalo,F. "Storyline of a project in context: The National Environmental Education Project for General Education and Training in Mpumalanga Province". 2005. 1-27.

Lotz-Sisitka,HB, Ramsurup,P, Gudmundsen,H and Jacobs,S. "Storyline of a project in context: The National Environmental Education Project for General Education and Training in KwaZulu-Natal". *Rhodes EESU*. 2005. 1-48.

Lotz-Sisitka,HB

Lotz-Sisitka,HB. "A summative profile of the National Environmental Education Project for General Education and Training and its outputs". *Rhodes EESU*. 2005. 1-22.

Lotz-Sisitka,HB. "Book review: Review of 'Sustainable Development and learning: framing the issues'". *Reid, A (eds) Environmental Education Research*. Carfax. 2005. 11(4), 466-472.

Timmermans,I and Lotz-Sisitka,HB

Raven,G, Timmermans,I, Lotz-Sisitka,HB and Nduna,L. Storyline of a project in context: NEEP-GET in the Eastern Cape. NEEP-GET Project. Pretoria. 2005. 1-35.

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

Hodgkinson-Williams,CA. "Dust on the keyboards: Policy gaps in the integration of ICT into the South African curriculum". *8th IFIP World Conference on Computers in Education*. University of Stellenbosch, Stellenbosch. July 2005.

Hodgkinson-Williams,CA. "ICT in secondary schooling: Encouraging "quality" education or perpetuating historical inequalities?". *Annual Conference of the Kenton Education Association*. Mpekwani Beach Resort, Mpekwani. October 2005.

Brandt,I, Hodgkinson-Williams,CA and Terzoli,A. "Networking the Learner: A Survey of the ICT Infrastructure in schools in the Grahamstown Area". *8th IFIP World Conference on Computers in Education*. University of Stellenbosch, Stellenbosch. July 2005.

Brandt,I, Terzoli,A and Hodgkinson-Williams,CA. "Wireless Communication for Previously Disadvantaged Secondary Schools in Grahamstown". *SATNAC 2005 (Southern African Telecommunications Networks and Applications Conference)*. Champagne Sports Hotel, Drakensburg. September 2005.

Maholwane-Sotashe,NL and Hodgkinson-Williams,CA. "Integrating ICT in education: Perspectives of teachers in the Grahamstown circuit". *8th IFIP World Conference on Computers in Education*. University of Stellenbosch, Stellenbosch. July 2005.

Maholwane-Sotashe,NL and Hodgkinson-Williams,CA. "Integrating ICT into the curriculum: Secondary Teachers' Perceptions Qualitative Multiple Case Studies in Grahamstown Secondary Schools". *Annual Conference of the Kenton Education Association*. Mpekweni Beach Resort, Mpekweni. October 2005.

Mbane,NP and Hodgkinson-Williams,CA. "Integrating ICT in education: Perspectives of learners in the Grahamstown circuit". *8th IFIP World Conference on Computers in Education*. University of Stellenbosch, Stellenbosch. July 2005.

Mbane,NP and Hodgkinson-Williams,CA. "Secondary school learners' perceptions of the value of integrating ICT into the curriculum: A multiple case study in the Grahamstown Circuit". *Annual Conference of the Kenton Education Association*. Mpekweni Beach Resort, Mpekweni. October 2005.

Singata,L and Hodgkinson-Williams,CA. "ICT as a Teaching Tool". *Annual Conference of the Kenton Education Association*. Mpekweni Beach Resort, Mpekweni. October 2005.

Klaas,JJ

Klaas,JJ. "How Gender Socializations Shaped the Processes of Racial Integration". *Annual Conference of the Kenton Education Association*. Mpekweni Beach Resort, Mpekweni. October 2005. 1-20.

Kraft,RL

Kraft,RL. "Bridging the literacy gap in a digital age". *Annual Conference of the Kenton Education Association*. Mpekweni Beach Resort, Mpekweni. October 2005.

Lotz-Sisitka,HB and Timmermans,I

Lotz-Sisitka,HB and Timmermans,I. "Exploring the practical adequacy of the human rights, social justice, inclusivity and healthy environment policy discourse in South Africa's National Curriculum Statement". *Annual Conference of the Kenton Education Association*. Mpekweni Beach Resort, Mpekweni. October 2005.

Murray,S

Murray,S. "School literacy in the Eastern Cape: problems and ways forward". *Eastern Cape Department of Education Conference*. Port Elizabeth. May 2005.

Murray,S. "Learning for all". *Independent Primary Schools Conference*. St Andrew's Prep, Grahamstown. September 2005.

Dalvit,L, Mini,B, Murray,S, Terzoli,A and Zhao,X. "ICT Education, language and equality a multilingual intervention". *Annual Conference of the Kenton Education Association*. Mpekweni Beach Resort, Mpekweni. October 2005.

Dalvit,L, Murray,S, Mini,B, Terzoli,A and Zhao,X. "Providing increased access to English L2 students of computer science at a South African University". *4th International Conference on Technology in Teaching and Learning in Higher Education*. 2005.

Dalvit,L, Murray,S, Mini,B, Terzoli,A and Zhao,X. "A web-based resource to bridge the language gap and the digital divide in ICT education in South Africa". *World Conference on Computers in Education*. Cape Town, Cape Town. July 2005.

Murray,S and Kraft,RL

Murray,S and Kraft,RL. "Bridging the literacy gap in a digital age". *Annual Conference of the Kenton Education Association*. Mpekwani Beach Resort, Mpekwani. October 2005.

Ngcoza,KM, Boltt,G and Irwin,PR

Ngcoza,KM, Boltt,G and Irwin,PR. "Actor-network theory as a theoretical framework for conceptualising continuous professional development". *Annual Conference of the Kenton Education Association*. Mpekwani Beach Resort, Mpekwani. October 2005.

Olvitt,LL

Olvitt,LL. "Research Opportunities at the interface of the history and context of learners, institution and workplace". *8th Invitational Environmental Education Research Seminar*. Rhodes University, Grahamstown. February 2005.

Robertson,S-A.

Robertson,S-A. "Aspiring to make a difference". *Annual Conference of the Kenton Education Association*. Mpekwani Beach Resort, Mpekwani. October 2005.

Schafer,M

Schafer,M. "Concept Literacy in Mathematics and Science: a collaborative project in Xhosa, Zulu, English and Afrikaans". *1st African Regional Congress of the International Commission on Mathematical Instruction*. University of Witwatersrand, Johannesburg. June 2005.

Schafer,M and Horsthemke,K. "Does 'ethnomathematics' facilitate access to mathematics?". *13th annual Conference: Southern African Association for Research in Mathematics, Science and Technology Education*. Mpekwani Beach Resort, Mpekwani. October 2005.

Stevens,AW

Stevens,AW. "Technology Teacher Education in South Africa". 2005.

van der Mescht,H

van der Mescht,H. "School leadership challenges for a democratised education system". *Annual Conference of the Kenton Education Association*. Mpekwani Beach Resort, Mpekwani. October 2005.

Wilmot,D

Wilmot,D. "Learning through games". *Learning for all Conference*. St Andrew's Preparatory School, Grahamstown. September 2005.

Wilmot,D. "Teachers as agents rather than victims of change". *Annual Conference of Boys' Schools*. St Andrew's College, Grahamstown. October 2005.

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

Klaas,JJ. "The Ethnographic Case Studies of White Teachers Vis-à-vis Racial Integration in Two South African Secondary Schools". *Annual Conference of the Oxford Ethnography*. University of Oxford, Oxford. United Kingdom. September 2005. 1-18.

Klaas,JJ. "The Problematisation of Race as a Social Construct". *Annual Conference of the British Educational Research Association No.* University of Glamorgan, Pontypid. United Kingdom. September 2005. 1-16.

Lotz-Sisitka,HB

Lotz-Sisitka,HB. "Education & Sustainability Questions at the start of the UN Decade of ESD". *Education for Sustainable Development Congress*. CEE, Ahmedabad. India. January 2005.

Lotz-Sisitka,HB. "Developing new perspectives for the UN Decade on ESD in southern Africa". *Environmental Education Association of southern Africa Conference*. Andrews Motel, Lusaka. Zambia. May 2005.

Lotz-Sisitka,HB. "Themes arising from the 3rd World Environmental Education Congress". *3rd World Environmental Education Congress*. Congress Centre, Torino. Italy. October 2005.

Lotz-Sisitka,HB. "Engaging ambivalence: A critical examination of a rights-based environmental education discourse in South Africa's new national curriculum statements". *3rd World Environmental Education Congress*. Congress Centre, Torino. Italy. October 2005.

Murray,S

Dalvit,L, Mini,B, Murray,S, Terzoli,A and Zhao,X. "Access to ICT-Based Knowledge through English and African Languages at a South African University". *Knowledge Production and Higher Education in the 21st Century (Knowledge 2005)*. Bergen. Norway. August / September 2005.

Olvitt,LL

Olvitt,LL. "Environmental Education & Training in the context of local government". *Annual Conference of Environmental Education Association of Southern Africa*. Lusaka. Zambia. May 2005.

Schafer,M

Schafer,M. "A picture is worth a 1000 words: the use of artworks in a multimodal approach to interviews". *13th annual Conference: Southern African Association for Research in Mathematics, Science and Technology Education*. Safari Conference Centre, Windhoek. Namibia. January 2005.

Timmermans,I

Timmermans,I. "Learning the language of learning: The narration of teaching and learning interactions". *Environmental Education Association of Southern Africa Annual Conference 16-20 May*. Andrew Moyake Hotel, Lusaka. Zambia. May 2005.

Timmermans,I. "Assessing evidence of applied competence within a cluster-based approach to teacher professional development: Environmental learning in the Makana schools cluster". *Forum for the Advancement of Continuing Education Annual Conference*. University College Cork, Cork. Ireland. July 2005. 274-278.

Timmermans,I, Lotz-Sisitka,HB and O'Donoghue,RB

Timmermans,I, le Roux,C, Lotz-Sisitka,HB, Loubser,C, O'Donoghue,RB and Shallcross,T. "Contextualising learning in Advanced Certificate in Education (Environmental Education) courses: Comparing contexts and experiences". *Forum for the Advancement of Continuing Education Annual Conference*. University College Cork, Cork. Ireland. July 2005. 266-273.

CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

Lotz-Sisitka,HB

Lotz-Sisitka,HB. Workshop presentation. *"Environmental Education, Ethics and Action"*. 3rd World Environmental Education Congress. Congress Centre. Torino, Italy. 3 - 7 October 2005.

Lotz-Sisitka,HB. Workshop presentation. *"Mainstreaming sustainable development into African Universities"*. UNEP Mainstreaming Universities Project. UNEP Headquarters. Nairobi, Kenya. 15 - 20 October 2005.

Murray,S

Dalvit,L, Mini,B, Murray,S, Terzoli,A and Zhao,X. Exhibition. *"E-Ncedo: a Web-Based Resource to Bridge the Language Gap and the Digital Divide in ICT Education in South Africa?"*. World Conference on Computers in Education (WCCE). ICC. Cape Town, South Africa. 4 - 7 July 2005.

O'Donoghue,RB

O'Donoghue,RB. Workshop presentation. *"Hands on environmental learning materials"*. Independent schools conference 'learning for all'. Rhodes University. Grahamstown, SA. September 2005.

Smith,C

Smith,C. Facilitator. "Research methodology". Fort Hare. Alice. February - May 2005.

OVERSEAS RESEARCH OR FURTHER STUDY**Euvrard,GJ**

Euvrard,GJ. Odense Seminarium, Odense, Denmark. Teacher education exchange. 12 - 26 May 2005.

DISTINGUISHED VISITORS

Professor P Blaze Corcoran. Florida Gulf University / Global Higher Education for Sustainability Partnerships, Florid, USA. co-hosting of the GHESP International Consultation with RU EESU and SADC REEP. March 2005.

Professor J Dillon. London University, London, UK. Invitational Seminar and co-authoring of paper, contribution to M.Ed session. March - May 2005.

Dr. L Goduka. Central Michigan University, Michigan, USA. Research Fellowship. January - June 2005.

Professor P Hart. University of Regina, Vancouver, Canada. Contribution to PhD week, Invitational seminar. March 2005.

Dr. B Jickling. Lakehead University, Lakehead, Canada. Contribution to PhD week, Invitational seminar. March-April 2005.

Professor A Ogbuigwe. United Nations Environment Programme, Nairobi, Kenya. Global Higher Education for Sustainability Partnerships Consultation. March 2005.

Professor K Schnack. Danish Pedagogical University, Copenhagen, Denmark. Co-hosting of the 8th International Invitational Seminar on Environmental and Health Education Research. March 2005.

Professor T Shallcross. MMU, Manchester, UK. Invitational Seminar, UK-SA research links project. March 2005.

JOURNAL SUBSIDY UNITS

EDUCATION	UNITS
Dalvit,L	
<i>Dalvit,L and De Klerk,V. "Attitudes of isiXhosa-speaking students at the University of Fort Hare towards the use of isiXhosa as Language or Learning and teaching". Southern African Linguistics and Applied Language Studies. 2005. 23(1),1-18.</i>	0.50
Goduka,L	
<i>Goduka,L. "Eziko: Sipheka sisophula. Nguni foundations for educating / researching for sustainable development". South African Journal of Higher Education. 2005. 19(3),467-481.</i>	1.00
Hodgkinson-Williams,CA	
<i>Wilson-Strydom,M, Thomson,J and Hodgkinson-Williams,CA. "Understanding ICT integration in South African Classrooms". Perspectives in Education. 2005. 23(4),71-85.</i>	0.34
Lupele,J and Mwingini,M	
<i>Lupele,J, Mwingini,M, Kinyanjui,FK, Kimani,J and Kisamba,C. "Methodological decisions in context: The dilemmas and challenges of novice African scholars". Southern African Journal of Environmental Education. 2005. 22,46-59.</i>	0.40
Murray,S	
<i>Dalvit,L, Murray,S, Mini,B, Terzoli,A and Zhao,X. "Computers and African languages in education: An ICT tool for the promotion of multi-lingualism at a South African University". Perspectives in Education. 2005. 23(4),123-131.</i>	0.40
O'Donoghue,RB	

<i>O'Donoghue, RB.</i> "Cholera in KwaZulu-Natal: Probing institutional governmentality and indigenous handwashing practices". <i>Southern African Journal of Environmental Education</i> . 2005. 22,60-73.	1.00
Price, L	
<i>Price, L.</i> "Playing musement games: retrodution in social research, with particular reference to indigenous knowledge in environmental and health education". <i>Southern African Journal of Environmental Education</i> . 2005. 22,88-97.	1.00
Ramsurup, P and Kethoilwe, M	
<i>Ramsurup, P, Reddy, C, Dillon, J and Kethoilwe, M.</i> "Designing research in environmental education. Curriculum policy construction, conceptualisation and implementation". <i>Southern African Journal of Environmental Education</i> . 2005. 22,159-166.	0.50
Schudel, I	
<i>Schudel, I.</i> "Students' engagement with learning theory". <i>Southern African Journal of Environmental Education</i> . 2005. 22,111-125.	1.00
Shava, S	
<i>Shava, S.</i> "Research on Indigenous Knowledge and its Application: A Case of Wild Food Plants of Zimbabwe". <i>Southern African Journal of Environmental Education</i> . 2005. 22,74-87.	1.00
Smith, C	
<i>Pearse, NJ and Smith, C.</i> "Theory generation: An illustration of the use of grounded theory in management research". <i>Management Dynamics: Contemporary Research Journal of The Southern Africa Institute for Management Scientists/Bestuursdinamika: Kontemporêre Navorsing Tydskrif Van Die Suider-Afrika Instituut Vir Bestuurwetenskaplikes</i> . 2005. 14(2),47-59.	0.50
Wilmot, D	
<i>Wilmot, D.</i> "The development phase of a case study on outcomes-based education assessment policy in Human and Social Sciences learning area of C2005". <i>South African Journal of Education</i> . 2005. 25(2),69-77.	1.00
TOTAL FOR EDUCATION	8.64

EM UNIT

During 2005 the Electron Microscopy Unit continued to fulfill its primary task of facilitating the research of not only the staff, postdoctoral fellows and students (both undergraduate and postgraduate) of Rhodes University, but also of other Eastern Cape universities and museums. All forms of microscopy available (light, fluorescent, scanning and transmission electron, microscopy) as well as the digital imaging and analysis facilities were well used. Seventy-four researchers from 12 Rhodes science departments, as well as staff of the Albany Museum, Bayworld Museum and University of Fort Hare used the unit's facilities. In December the technical staff of the unit attended the annual conference of the Microscopy Society of southern Africa where they presented papers and participated in training workshops.

PROFESSOR A. HODGSON
HEAD OF UNIT

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

i. Local Conferences (Within South Africa)

Pinchuck, SC

*Chawanji, AS, Pinchuck, SC, Hodgson, AN and Villet, MH. "Morphology of the female reproductive tract in a cicada, *Azanicada zuluensis* (Hemiptera: Cicadidae)". *Proceedings of the Microscopy Society of southern Africa*. 2005. 35. 76.*

*Chawanji, AS, Pinchuck, SC, Hodgson, AN and Villet, MH. "Morphology of the female reproductive tract in a Cicada, *Azanicada zuluensis* (Hemiptera: Cicadidae)". *Proceedings Microscopy Society of southern Africa 2005*. University of the Kwa Zulu Natal, Pietermaritzburg. December 2005. 77.*

JOURNAL SUBSIDY UNITS

EMUNIT	UNITS
TOTAL FOR EMUNIT	0.00

ENGLISH

The year 2005 was a typically busy one for the Department of English. In January we were pleased to welcome two new appointees, Michael Marais (Associate Professor) and his wife Sue Marais (part-time Lecturer). Bringing to bear fresh perspectives, they have already made significant contributions to the Department's teaching and research culture. Wendy Jacobson was on study leave in the first semester, and successfully completed two research papers, possible chapters in her ongoing book-length project on Dickens and religion. In October we welcomed back Sam Naidu, who had spent the year at SOAS, University of London, completing her PhD on a Commonwealth Split-Site Scholarship.

In addition to a respectable number of essays appearing in research journals, certain larger projects reached fruition: Dan Wylie both produced a volume of poems inspired by his recent visit to Portugal and completed his biography of Shaka; Paul Walters co-edited a splendid new edition of Cronwright-Schreiner's *The Reinterment on Buffelskop*, and Malvern van Wyk Smith completed a first draft of his eagerly-awaited book on early images of Africa and Africans. An unusually full and lively Research Group programme of staff seminars (including three presentations by visiting academics from the USA) rounded off an industrious and productive year.

PROFESSOR G.CORNWELL
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Walters,PS

Walters,PS. Walters,PS and Fogg, J (eds). Olive Schreiner: Her reinterment on Buffelskop. NELM. Grahamstown. 2005. 178 pp.

Wylie,D

Wylie,D. "Why do we study Dante?". In: Watson,S and Cullinan, P (eds) Dante in South Africa. Centre for Creative Writing. Cape Town. 2005. 73-74.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Beard,MM

Beard,MM. "We can only stamp and rave': Submerged messages in Jane West's *Letters to a Young Lady*". *English Academy Review*. 2005. 21,1-11.

Cornwell,G

Cornwell,G. "Mediated desire and American disappointment in the stories of Raymond Carver". *Critique: Studies in Contemporary Fiction*. 2005. 46(4),344-356.

Cornwell,G. "Return to humanism: the future of English studies in South Africa". *Scrutiny* 2. 2005. 10(1),45-55.

Everitt (Stevens),M

Everitt (Stevens),M. "Jack Sprat and his wife: Symbiosis in Douglas Livingstone's *A Littoral Zone*". *English in Africa*. 2005. 32(2),51-66.

Gouws,J

Gouws,J. "Nicholas Oldisworth, Richard Bacon, and the practices of Caroline friendship". *Texas Studies in Literature and Language*. 2005. 47(4),366-401.

Marais,MJ

Marais,MJ. "Bastards and bodies in Zoe Wicomb's *David's Story*". *Journal of Commonwealth Literature*. 2005. 40(3),21-36.

Marais,S

Marais,S. "Queer small town people': Fixations and fictions of fellowship in the modern short story cycle". *Current Writing*. 2005. 17(1),14-36.

Naidu,S

Naidu,S. "On becoming an African-Asian academic at Rhodes University". *African Sociological Review*. 2005. 9(1),97-104.

Seddon,D

Seddon,D. "Shakespeare's orality: Solomon Plaatje's Setswana translations". *English Studies in Africa*. 2004. 47(2),77-95.

Seddon,D. "The story that follows is true': Secret stealing and the habits of entitlement". *Scrutiny 2*. 2005. 10(1),86-96.

OTHER PUBLICATIONS**Gouws,J**

Gouws,J. "Rev. of T Carper and D Attridge, *Meter and meaning: An introduction to rhythm in poetry*". Notes and Queries. 2005. 250, 130-131.

Gouws,J. "Rev. of MG Brennan and NJ Kinnamon, *A Sidney chronology 1554-1664*; and E Mazola, *Favorite sons: The politics and poetics of the Sidney family*". Notes and Queries. 2005. 250, 249-251.

Walters,PS

Walters,PS. "Preface, A note on the text, Introduction to the commemorative edition". Walters,PS and Fogg, J (eds) Olive Schreiner: Her reinternment on Buffelskop. NELM. Grahamstown. 2005. 1-15.

Wylie,D

Wylie,D. "Four characters in search of the exploded view". *Scrutiny2: Issues in English Studies in South Africa*. 2005. 10(1), 101-107.

Wylie,D. "Literature and ecology colloquium, Rhodes University, Grahamstown, September 2004". *Scrutiny2: Issues in English Studies in South Africa*. 2005. 10(1), 97-99.

Wylie,D. *The fourteen: Sonnets from among the Portuguese*. The author. Grahamstown. 2005. 1-33.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****i. Local Conferences (Within South Africa)****Everitt (Stevens),M**

Everitt (Stevens),M. "Chauvinistic or chivalric? Gendered representation in the work of Douglas Livingstone". *15th International Conference of the English Academy*. University of Cape Town, Cape Town. July 2005.

Everitt (Stevens),M. "On humans as animals: Sparring with the beast in Douglas Livingstone's poem 'Descent from the Tower'". *Second Literature and Ecology Colloquium*. Rhodes University, Grahamstown. September 2005.

Marais,S

Marais,S. "Tsfendas's tapeworm: 'Meaningless creature,' 'undesirable inhabitant,' or 'the prophet of a multi-racial future?'". *15th International Conference of the English Academy*. University of Cape Town, Cape Town. July 2005.

Van Wyk Smith,M

Van Wyk Smith,M. "Would the real James Bruce please stand up?: Bruce's *Travels to Discover the Sources of the Nile* (1790) in Alexander Murray's edition of 1813". *15th International Conference of the English Academy*. University of Cape Town, Cape Town. July 2005.

Walters,PS

Walters,PS. "A promise, paternity, and a pair of Jaeger pyjamas: Some thoughts on re-editing Cronwright-Schreiner's *reinternment on Buffelskop*". *15th International Conference of the English Academy*. University of Cape Town, Cape Town. July 2005.

Walters,PS. "Adolescence in literature: Beyond *The Catcher in the Rye*". *7th Annual Boys' Schools Conference*. St Andrews College, Grahamstown. September 2005.

Wylie,D

Wylie,D. "Absence of poets: The animal poetry of Harold Farmer". *Second Literature and Ecology Colloquium*. Rhodes University, Grahamstown. September 2005.

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

Cornwell,G. "On the 'Africanization' of English studies in South Africa". *3rd International Conference on New Directions in the Humanities*. Cambridge University, Cambridge. UK. August 2005.

Gouws,J

Gouws,J. "Text as conduct". *13th Biennial International Interdisciplinary Conference of the Society for Textual Scholarship*. New York University, New York. USA. March 2005.

Gouws,J. "Milton's 1645 poems and the Early Modern English *silva* tradition". *8th International Milton Symposium*. Pierre Mendes University, Grenoble. France. June 2005.

Jacobson,W

Jacobson,W. "The prince of the marshes: *Hamlet* and *Great Expectations*". *Annual Dickens Fellowship Conference*. Canterbury. UK. August 2005.

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

Jacobson,W. Speaker. "*The muddle and the star in Dickens's Hard Times*". Address to the Dickens House Museum. Dickens House, Doughty Street. London, UK. 16 August 2005.

Naidu,S

Naidu,S. Speaker. "*Literature of migration and diaspora: Urban landscapes in Kamila Shamsie's Kartography*". Guest lecture, SOAS, University of London. London, UK. February 2005.

Naidu,S. Speaker. "*Fractured identities in Monica Ali's Brick Lane*". Guest lecture, SOAS. University of London. London, UK. February 2005.

Seddon,D

Seddon,D. Speaker. "*He wrote it for me': Shakespeare and the Romantic reader*". Annual Shakespeare birthday lecture for the Shakespeare Society of Southern Africa. Grahamstown. April 2005.

OVERSEAS RESEARCH OR FURTHER STUDY**Naidu,S**

Naidu,S. School of Oriental and Asian Studies, University of London, London, UK. Completion of PhD. 1 November 2004 - 31 October 2005.

DISTINGUISHED VISITORS

Professor P Hooper. Fairleigh Dickinson University, Teaneck, NJ USA. Seminar. April - May 2005.

Professor C Loflin. Emory University, Atlanta, GA USA. Seminar. September 2005.

Professor R Visel. Furman University, Greenville, SC USA. Seminar and teaching. March - April 2005.

JOURNAL SUBSIDY UNITS

ENGLISH	UNITS
Beard,MM	
<i>Beard,MM.</i> "We can only stamp and rave': Submerged messages in Jane West's <i>Letters to a Young Lady</i> ". <i>English Academy Review</i> . 2005. 21,1-11.	1.00
Cornwell,G	
<i>Cornwell,G.</i> "Mediated desire and American disappointment in the stories of Raymond Carver". <i>Critique: Studies in Contemporary Fiction</i> . 2005. 46(4),344-356.	1.00
<i>Cornwell,G.</i> "Return to humanism: the future of English studies in South Africa". <i>Scrutiny 2</i> . 2005. 10(1),45-55.	1.00
Everitt (Stevens),M	
<i>Everitt (Stevens),M.</i> "Jack Sprat and his wife: Symbiosis in Douglas Livingstone's <i>A Littoral Zone</i> ". <i>English in Africa</i> . 2005. 32(2),51-66.	1.00
Gouws,J	
<i>Gouws,J.</i> "Nicholas Oldisworth, Richard Bacon, and the practices of Caroline friendship". <i>Texas Studies in Literature and Language</i> . 2005. 47(4),366-401.	1.00
Marais,MJ	
<i>Marais,MJ.</i> "Bastards and bodies in Zoe Wicomb's <i>David's Story</i> ". <i>Journal of Commonwealth Literature</i> . 2005. 40(3),21-36.	1.00
Marais,S	
<i>Marais,S.</i> "Queer small town people': Fixations and fictions of fellowship in the modern short story cycle". <i>Current Writing</i> . 2005. 17(1),14-36.	1.00
Naidu,S	
<i>Naidu,S.</i> "On becoming an African-Asian academic at Rhodes University". <i>African Sociological Review</i> . 2005. 9(1),97-104.	1.00
Seddon,D	
<i>Seddon,D.</i> "Shakespeare's orality: Solomon Plaatje's Setswana translations". <i>English Studies in Africa</i> . 2004. 47(2),77-95.	1.00
<i>Seddon,D.</i> "The story that follows is true': Secret stealing and the habits of entitlement". <i>Scrutiny 2</i> . 2005. 10(1),86-96.	1.00
TOTAL FOR ENGLISH	10.00

ENGLISH LANGUAGE AND LINGUISTICS

During 2005 the Department had one student complete his PhD, Ambrose Chimbanga, and three students complete their Master's degrees: Janet Legge, Irene Lagonikos and Candace Sutton. There are 12 students currently registered for MA and PhD degrees, 9 at the Master's level and 3 at the doctoral level. In order to build up this strong post-graduate tradition, and in particular to enhance our honours and Master's programme and encourage high quality research, particularly that which has relevance in South Africa, the department has devised two separate strategies: Firstly, we have embarked on a joint corpus-based research programme to describe the accent of educated South African mother-tongue English speakers, with 5 of our staff collaborating with a sound engineer from Stellenbosch University. A range of collaborative papers should result from this project, which should also give confidence and guidance to the less experienced members of the team. A second strategy is to require all 3rd year student research projects to focus on specified related topics, which should result in richer, more in-depth research overall.

Staff have also been highly productive in the research arena this year, with a total of 9 publications in prestigious peer-reviewed journals or books over the past year. During the same time, five specialist papers were presented at conferences nationally and two internationally (one in Scotland and the other in Hawaii). Professor de Klerk continues to sit as Ministerial representative on The South African Geographical Names Council, and is treasurer of the Academy of Science of South Africa, and the English National Language Body. Professor Adendorff and Dr. Simango were elected as members of the Academy of Science of South Africa, and Dr. Simango, a board member of the Linguistic Society of South Africa, continued his participation in the project on harmonization and standardization of Southern African Languages at the Centre for Advanced Studies of African Society. Ms. Hunt also serves on the Board of the Southern African Applied Linguistics Association. In September, the department welcomed new staff member Mark de Vos, and he was awarded his PhD from the University of Leiden a month later. Two other staff members are currently engaged in working on their own PhD theses. Distinguished visitors to the Department this year included Professor Carol Myers-Scotton, from the University of South Carolina, who presented three seminars on her research in code-switching during her 2-week visit, which stimulated further collaborative research.

Professor de Klerk's work on spoken Xhosa English (funded by a 7-year NRF grant) has also made steady progress. Collection of the spoken corpus is now complete, and in addition to several individual publications based on the data, some useful work is also being done collaboratively, some with senior students in the department. It is hoped that further corpus work of this kind, including the joint project on educated South African English currently under way, will ultimately give the Department a special niche and earn it a solid reputation in this field.

PROFESSOR V. DE KLERK
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

De Klerk,V

De Klerk,V. "Slang and swearing as markers of inclusion and exclusion in adolescence". In: Thurlow,C and Williams, A (eds) *Deconstructing Adolescent Communication*. Peter Lang. 2005. 109-126.

Simango,SR

Simango,SR. "Kupililana kumamanga dziko". In: Centre for Advanced Studies of African Society. Cape Town. 2005. (34), 1-30.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Adendorff,RD

Parkinson,J and *Adendorff,RD*. "Science books for children as a preparation for textbook literacy". *Discourse Studies*. 2005. 7(2),213-236.

Parkinson,J and *Adendorff,RD*. "Variable discursive constructions of three genres of science". *Southern African Linguistics and Applied Language Studies*. 2005. 23(3),281-304.

De Klerk,V

De Klerk,V. "Expressing levels of intensity in Xhosa English". *English World-Wide*. 2005. 26(1),77-96.

De Klerk,V. "Procedural meanings of *well* in a corpus of Xhosa English". *Journal of Pragmatics*. 2005. 37(8),1183-1205.

De Klerk,V. "The use of *actually* in spoken Xhosa English: a corpus study". *World Englishes*. 2005. 24(3),275-288.

Dalvit,L and De Klerk,V. "Attitudes of isiXhosa-speaking students at the University of Fort Hare towards the use of isiXhosa as Language or Learning and teaching". *Southern African Linguistics and Applied Language Studies*. 2005. 23(1),1-18.

De Klerk,V and Antrobus,R. "Swamp-donkeys and rippers: the use of slang and pejorative terms to name 'the other'". *Alternation*. 2004. 11(2),264-284.

Hunt,S

Hunt,S. "Some (more) features of conversation amongst women friends". *Southern African Linguistics and Applied Language Studies*. 2005. 23(4),445-458.

Niven,P

Niven,P. "Exploring first 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*. 2005. 19(4),778-789.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****i. Local Conferences (Within South Africa)****Adendorff,RD and De Klerk,V**

Adendorff,RD and De Klerk,V. "AIDS appraisal". *LSSA/SAALA*. Dikhololo, Pretoria. July 2005.

Bekker,I

Bekker,I. "Regional varieties of South African English?". *LSSA/SAALA*. Dikhololo, Pretoria. July 2005.

De Klerk,V

De Klerk,V. "Expressing levels of intensity in Xhosa English". *LSSA/SAALA*. Dikhololo, Pretoria. July 2005.

Hunt,S

Hunt,S. "Women's bodies in Sweet Valley High: an analysis using SFG". *LSSA/SAALA*. Dikhololo, Pretoria. July 2005.

Simango,SR

Simango,SR. "Defective verbal affixes in Bantu: agentive -ik/-ek in ciNsenga". *LSSA/SAALA*. Dikhololo, Pretoria. July 2005.

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

Bekker,I. "Regional varieties of South African English?". *UK Language Variation and Change 5*. University of Aberdeen, Aberdeen. Scotland. September 2005.

Simango,SR

Simango,SR. "Language revitalization and orthographies: The case of Southern Africa". *3rd Hawaii International Conference on Arts and Humanities*. Honolulu. Hawaii. January 2005.

JOURNAL SUBSIDY UNITS

ENGLISH LANGUAGE AND LINGUISTICS	UNITS
Adendorff,RD	
Parkinson,J and Adendorff,RD. "Science books for children as a preparation for textbook literacy". <i>Discourse Studies</i> . 2005. 7(2),213-236.	0.50
Parkinson,J and Adendorff,RD. "Variable discursive constructions of three genres of science". <i>Southern African Linguistics and Applied Language Studies</i> . 2005. 23(3),281-304.	0.50
De Klerk,V	
De Klerk,V. "Expressing levels of intensity in Xhosa English". <i>English World-Wide</i> . 2005. 26(1),77-96.	1.00
De Klerk,V. "Procedural meanings of <i>well</i> in a corpus of Xhosa English". <i>Journal of Pragmatics</i> . 2005. 37(8),1183-1205.	1.00
De Klerk,V. "The use of <i>actually</i> in spoken Xhosa English: a corpus study". <i>World Englishes</i> . 2005. 24(3),275-288.	1.00
Dalvit,L and De Klerk,V. "Attitudes of isiXhosa-speaking students at the University of Fort Hare towards the use of isiXhosa as Language or Learning and teaching". <i>Southern African Linguistics and Applied Language Studies</i> . 2005. 23(1),1-18.	0.50
De Klerk,V and Antrobus,R. "Swamp-donkeys and rippers: the use of slang and pejorative terms to name 'the other'". <i>Alternation</i> . 2004. 11(2),264-284.	1.00
Hunt,S	
Hunt,S. "Some (more) features of conversation amongst women friends". <i>Southern African Linguistics and Applied Language Studies</i> . 2005. 23(4),445-458.	1.00
Niven,P	
Niven,P. "Exploring first year students' and their lecturers' constructions of what it means to read in a humanities discipline: A conflict of frames". <i>South African Journal of Higher Education</i> . 2005. 19(4),778-789.	1.00
TOTAL FOR ENGLISH LANGUAGE AND LINGUISTICS	7.50

ENVIRONMENTAL SCIENCE

Once again the Department of Environmental Science had a productive year in terms of research completed and outputs, spanning thirteen papers in refereed journals, six book chapters, and 19 conference presentations. With only four full-time staff, this output is impressive and well above the national and university norms. It was pleasing to see postgraduate students as lead authors of six of the journal papers and 15 of the conference presentations.

A significant highlight of 2005 was the consolidation of the department, along with all postgraduates, into Bangor House in November, having previously been spread over four different buildings on Rhodes campus. We expect that having all staff and postgraduates under one roof will have positive spin-offs in terms of mentorship and research productivity.

Another highlight of the year was undoubtedly the submission and passing of the first PhD thesis (by Sheona Shackleton) since the department was formed. Two others just missed the deadline and so will graduate only in 2007. Graduating alongside Sheona Shackleton in April 2006 will probably be Master's students Cecilia Gyan, Masego Madzwamuse, Lindsay McDermott and Rudi Seebach.

Postgraduate numbers for 2006 remain healthy, but slightly lower than normal as both Professors Fabricius and Shackleton will be on sabbatical for six months each during the year, and insufficient space for more postgraduates until the ground floor of Bangor House is handed over to Environmental Science. There will be at least four PhD students and approximately 12 Master's students. An additional five students registered for MBA degrees at Rhodes will be doing their research projects on environmental issues with support from staff in the department.

PROFESSOR C. SHACKLETON
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Shackleton,CM

Wiersum,KF and *Shackleton,CM*. "Rural dynamics and biodiversity conservation in southern Africa". In: Ros-Tonen,MAF and Dietz, T (eds) African forests between nature and livelihoods resources: interdisciplinary studies in conservation and forest management. Edwin Mellon Press. Lewiston. 2005. 67-91.

Shackleton,SE

Shackleton,SE. "Ecological characteristics of *Pterocarpus angolensis* and impacts of harvesting in Bushbuckridge, South Africa". In: Cunningham,A, Campbell,B and Belcher, B (eds) Carving out a future: tropical forests, livelihoods and the international woodcarving trade. Earthsan. London. 2005. 213.

Shackleton,SE. "External support for the woodcraft industry in Bushbuckridge, South Africa". In: Cunningham,A, Campbell,B and Belcher, B (eds) Carving out a future: tropical forests, livelihoods and the international woodcarving trade. Earthsan. London. 2005. 253.

Shackleton,SE. "Improving devolution policies". In: Mery,G, Alfaro,R, Kanninen,M and Loboviko, M (eds) Forests in the global balance - changing paradigms. IURFO. Helsinki. 2005. 92.

Shackleton,SE. "Spoons, bowls and other household items: The kiat woodcrafters of Bushbuckridge, South Africa". In: Cunningham,A, Campbell,B and Belcher, B (eds) Carving out a future: tropical forests, livelihoods and the international woodcarving trade. Earthsan. London. 2005. 81-102.

Roda,J-M, Mutamba,M, Campbell,BC, Kowero,G, Clarke,M, Gonzales,LA, Mapendembe,A, Oka,H, *Shackleton,SE*, Vantomme,P and Yiping,L. "Forests-based livelihoods and poverty reduction: paths from local to global development". In: Mery,G, Alfaro,R, Kanninen,M and Loboviko, M (eds) Forests in the global balance - changing paradigms. IURFO. Helsinki. 2005. 75-96.

Sizer,N, Bass,S, Mayers,J, Arnold,M, Auckland,L, Belcher,B, Bird,N, Campbell,B, Carle,J, Cleary,D, Counsell,S, Enters,T, Fernando,K, Gullison,T, Hudson,J, Kellison,B, Klingberg,T, Owen,CN, Sampson,N, Vermeulen,S, Wollenberg,E, *Shackleton,SE*, Edmunds,D, Durst,P, Dykstra,DP, Holmes,T, Hunter,I, Killmann,W, Malayang III,BS, Putz,FE and Shanley,P. "Wood, Fuelwood, and Non-wood Forest Products". In: Sastry,C and de los Angeles, M (eds) *Ecosystems and human well-being*. Island Press. Washington. 2005. 259-293.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Fabricius,CF

Cundill,G, *Fabricius,CF* and Marti,N. "Foghorns to the future: Using knowledge and transdisciplinarity to navigate complex systems". *Ecology and Society*. 2005. 10((2):8), (online).

Keirungi,J and *Fabricius,CF*. "Selecting medicinal plants for cultivation at Nqabara on the Eastern Cape Wild Coast, South Africa". *South African Journal of Science*. 2005. 101,497-501.

Van Jaarsveld,AS, Biggs,R, Scholes,RJ, Bohensky,E, Reyers,B, Lynam,T, Musvoto,C and *Fabricius,CF*. "Measuring conditions and trends in ecosystem services at multiple scales: the southern African Millennium Ecosystem Assessment (SAfMA) experience". *Philosophical Transactions of the Royal Society*. 2005. 360,425-441.

Fourie,S

Holmes,PM, Richardson,DM, Esler,KJ, Witkowski,ETF and *Fourie,S*. "A decision-making framework for restoring riparian zones degraded by invasive alien plants in South Africa". *South African Journal of Science*. 2005. 101,553-564.

Gambiza,J

Gambiza,J, Campbell,BM, Moe,SR and Frost,PG. "Fire behaviour in a semi-arid *Baikiaea plurijuga* savanna woodland on Kalahari sands in western Zimbabwe". *South African Journal of Science*. 2005. 101(5-6),239-244.

Shackleton,CM

Dovie,BK, Witkowski,ETF and *Shackleton,CM*. "Monetary valuation of livelihoods indicator for understanding the composition and complexity of rural households". *Agriculture and Human Values*. 2005. 22,87-103.

Emanuel,PL, *Shackleton,CM* and *Baxter,JS*. "Modelling the sustainable harvest of *Sclerocarya birrea* subsp. *caffra* fruits in the South African low veld". *Forest Ecology and Management*. 2005. 214,91-103.

Gyan,CA and *Shackleton,CM*. "Abundance and commercialization of *Phoenix reclinata* in the King Williamstown area, South Africa". *Journal of Tropical Forest Science*. 2005. 17,334-345.

Paumgarten,F, *Shackleton,CM* and *Cocks,ML*. "Growing of trees in home-gardens by rural households in the Eastern Cape and Limpopo provinces, South Africa". *International Journal of Sustainable Development and World Ecology*. 2005. 12,1-19.

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. 16,273-286.

Shackleton,CM and Shackleton,SE

Shackleton,CM, *Shackleton,SE*, Netshiluvhi,TR and Mathabela,FR. "The contribution and direct-use value of livestock to rural livelihoods in the Sand River catchment, South Africa". *African Journal of Range and Forage Science*. 2005. 22(2),127-140.

Shackleton,SE

Leakey,R, *Shackleton,SE* and du Plessis,P. "Domestication potential of marula (*Sclerocarya birrea* subsp. *caffra*) in South Africa and Namibia: 1. Phenotypic variation in fruit traits". *Agroforestry Systems*. 2005. 64,25-35.

Ruiz-Perez,M, Belcher,B, Achdiawan,R, Alexiades,M, Aubertin,C, Caballero,J, Campbell,BM, Clement,C, Cunningham,T, Fantini,A, de Foresta,H, Garcia-Fernandez,C, Gautam,KH, Hersch-Martinez,P, de Jong,W, Kusters,K, Kutty,MG, Lopez,C, Fu,M, Martinez-Alfaro,A, Nair,TR, Ndoye,O, Ocampo,R, Rai,N, Ricker,M, Schreckenber,K, *Shackleton,SE*, Shanley,P, Sunderland,T and Youn,Y-C. "Markets drive the specialisation strategies of forest peoples". *Ecology and Society*. 2004. 9(2),1-10.

Shackleton,SE and Campbell,B. "What difference can the local level trade in NTFPs make to rural livelihoods and poverty in South Africa? Evidence from four case studies". *International Forestry Review*. 2005. 7,138.

Shackleton,SE and Shackleton,CM

Leakey,RRB, Tchoundjeu,Z, Schreckenber,K, *Shackleton,SE* and *Shackleton,CM*. "Agroforestry tree products (AFTPs): Targeting poverty reduction and enhanced livelihoods". *International Journal of Agricultural Sustainability*. 2005. 3,1-23.

Shackleton,SE and *Shackleton,CM*. "The contribution of marula fruits and fruit products to rural livelihoods in the Bushbuckridge district, South Africa: balancing domestic needs and commercialisation". *Forests, Trees and Livelihoods*. 2005. 15,3-24.

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

i. Local Conferences (Within South Africa)

Fourie,S. "Recovery of indigenous vegetation after clearing of alien invasive vegetation in the Albany district, Eastern Cape". *Annual Conference of the Fynbos Forum*. Port Elizabeth, August 2005.

McGarry,D. "Sukuzincandela umgalagala: the differential use of forests for ecosystem products at Nqabara, Eastern Cape". *Annual Conference of the Indigenous Plant Use Forum*. Grahamstown, June 2005.

Pereira,T. "Opportunities and constraints to trade in reed-based craft products in the rural villages of Mpozolo and Ntubeni, Transkei, South Africa". *Annual Conference of the Indigenous Plant Use Forum*. Grahamstown, June 2005.

Andrew,M

Andrew,TG, *Weyl,OLF*, *Andrew,M* and *Hecht,T*. "The contribution of aquaculture to livelihoods of smallholder farmers in Malawi". *7th Bi-annual Conference of the Aquaculture Association of Southern Africa*. Rhodes University, Grahamstown. September 2005.

Cumming,T

Cumming,T. "Conservation incentives for commercial farmers in the Fish-Kowie mega conservancy network". *Annual Conference of the Thicket Forum*. Grahamstown, May 2005.

Fabricius,CF

Fabricius,CF. "Monitoring community-based natural resource management as a complex adaptive system". *Annual Congress of the Grasslands Society of southern Africa*. Port Shepstone, July 2005.

Fabricius,CF and *Collins,S*. "Community-based natural resource management: governing the commons". *Symposium on ecosystem governance*. Pilanesburg National Park, October 2005.

Hagen,B and *Fabricius,CF*. "Why do birds need reserves in thicket?". *Annual Conference of the Thicket Forum*. Grahamstown, May 2005.

Keirungi,J and *Fabricius,CF*. "Selecting medicinal plants for cultivation at Nqabara on the Eastern Cape Wild Coast". *Annual Conference of the Indigenous Plant Use Forum*. Grahamstown, June 2005.

Gambiza,J

Kirby,D and Gambiza,J. "Contribution of prickly pear (*Opuntia* species) trade to local livelihoods in Makana Municipality and surrounding areas". *Annual Conference of the Thicket Forum*. Grahamstown, May 2005.

Ndengjeho,M and Gambiza,J. "The contribution of medicinal *Pelargonium sidoides* and *P. reniforme* to rural livelihoods in five villages in the Eastern Cape Province, South Africa". *Annual Conference of the Thicket Forum*. Grahamstown, May 2005.

Ndengjeho,M and Gambiza,J. "The contribution of medicinal *Pelargonium sidoides* and *P. reniforme* to rural livelihoods in five villages in the Eastern Cape Province, South Africa". *Annual Conference of the Indigenous Plant Use Forum*. Grahamstown, June 2005.

Shackleton,CM, Gambiza,J, Shackleton,SE and Fabricius,CF

McGarry,D, Shackleton,CM, Fourie,S, Gambiza,J, Shackleton,SE and Fabricius,CF. "The impacts of invasive alien species on rural livelihoods: the case of Black wattle and Prickly Pear". *Understanding the impacts of invasive alien species on human wellbeing*. Kirstenbosch, September 2005.

Shackleton,CM, McGarry,D, Fourie,S, Gambiza,J, Shackleton,SE and Fabricius,CF. "Towards assessing the impacts of invasive alien species on rural livelihoods". *Understanding the impacts of invasive alien species on human wellbeing*. Kirstenbosch, September 2005.

Shackleton,SE

Shackleton,SE and Campbell,B. "What difference can local level trade in NTFPs make to rural livelihoods and poverty alleviation in South Africa? Evidence from four case studies". *XXII IUFRO World Congress*. Brisbane, Australia. August 2005.

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

Evans,JJ, Pasnik,DJ, Brill,GC and Klesius,PH. "Survival, stress and *Streptococcus agalactiae* susceptibility in Nile Tiliapia, *Oreochromis niloticus*, following unionized ammonia exposure". *12th International European Association of Fish Pathologists Conference*. Copenhagen, Denmark. September 2005.

Pasnik,DJ, Evans,JJ, Klesius,PH and Brill,GC. "Toxicity stress responses and disease susceptibility of Nile Tilapia, *Oreochromis niloticus*, exposed to unionized ammonia". *Annual Congress of the American Fisheries Society*. Minneapolis, USA. July 2005.

Cumming,T

Cumming,T. "Conservation incentives for private commercial farmers in South Africa's Subtropical Thicket Biome". *19th Annual Conference of the Society for Conservation Biology*. Brasilia, Brazil. July 2005.

Shackleton,CM

Dovie,DBK, Witkowski,ETF and Shackleton,CM. "Modelling biocultural factors underlying utilization and management of indigenous tree specie". *19th Annual Conference of the Society for Conservation Biology*. Brasilia, Brazil. July 2005.

Shackleton,SE

Sithole,HJN, White,RM, Plumstead,EE and Shackleton,SE. "The informal trade in woodcarvings in the Port St Johns area". *Annual Conference of the Indigenous Plant Use Forum*. Grahamstown, June 2005.

DISTINGUISHED VISITORS

Dr. D Brockington. Kings College, London, UK. Study leave. April 2005.

Professor K Ganeshiah. Bangalore University, Bangalore, India. Research collaboration. May 2005.

Professor R Shaanker. Bangalore University, Bangalore, India. Research collaboration. May 2005.

Professor E Willot. University of Arizona, Tuscon, USA. Visiting lecturer. March 2005.

JOURNAL SUBSIDY UNITS

ENVIRONMENTAL SCIENCE	UNITS
Fabricius,CF	
<i>Cundill,G, Fabricius,CF and Marti,N.</i> "Foghorns to the future: Using knowledge and transdisciplinarity to navigate complex systems". <i>Ecology and Society</i> . 2005. 10((2):8),	0.67
<i>Keirungi,J and Fabricius,CF.</i> "Selecting medicinal plants for cultivation at Nqabara on the Eastern Cape Wild Coast, South Africa". <i>South African Journal of Science</i> . 2005. 101,497-501.	1.00
<i>Van Jaarsveld,AS, Biggs,R, Scholes,RJ, Bohensky,E, Reyers,B, Lynam,T, Musvoto,C and Fabricius,CF.</i> "Measuring conditions and trends in ecosystem services at multiple scales: the southern African Millennium Ecosystem Assessment (SAfMA) experience". <i>Philosophical Transactions of the Royal Society</i> . 2005. 360,425-441.	0.13
Fourie,S	
<i>Holmes,PM, Richardson,DM, Esler,KJ, Witkowski,ETF and Fourie,S.</i> "A decision-making framework for restoring riparian zones degraded by invasive alien plants in South Africa". <i>South African Journal of Science</i> . 2005. 101,553-564.	0.20
Gambiza,J	
<i>Gambiza,J, Campbell,BM, Moe,SR and Frost,PG.</i> "Fire behaviour in a semi-arid <i>Baikiaea plurijuga</i> savanna woodland on Kalahari sands in western Zimbabwe". <i>South African Journal of Science</i> . 2005. 101(5-6),239-244.	0.25
Shackleton,CM	
<i>Dovie,BK, Witkowski,ETF and Shackleton,CM.</i> "Monetary valuation of livelihoods indicator for understanding the composition and complexity of rural households". <i>Agriculture and Human Values</i> . 2005. 22,87-103.	0.34
<i>Emanuel,PL, Shackleton,CM and Baxter,JS.</i> "Modelling the sustainable harvest of <i>Sclerocarya birrea</i> subsp. <i>caffra</i> fruits in the South African low veld". <i>Forest Ecology and Management</i> . 2005. 214,91-103.	0.67
<i>Gyan,CA and Shackleton,CM.</i> "Abundance and commercialization of <i>Phoenix reclinata</i> in the King Williamstown area, South Africa". <i>Journal of Tropical Forest Science</i> . 2005. 17,334-345.	1.00
<i>Paumgarten,F, Shackleton,CM and Cocks,ML.</i> "Growing of trees in home-gardens by rural households in the Eastern Cape and Limpopo provinces, South Africa". <i>International Journal of Sustainable Development and World Ecology</i> . 2005. 12,1-19.	0.67
<i>Shackleton,CM, Guthrie,G and 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. 16,273-286.	1.00
Shackleton,CM and Shackleton,SE	
<i>Shackleton,CM, Shackleton,SE, Netshiluvhi,TR and Mathabela,FR.</i> "The contribution and direct-use value of livestock to rural livelihoods in the Sand River catchment, South Africa". <i>African Journal of Range and Forage Science</i> . 2005. 22(2),127-140.	0.50
Shackleton,SE	
<i>Leakey,R, Shackleton,SE and du Plessis,P.</i> "Domestication potential of marula (<i>Sclerocarya birrea</i> subsp. <i>caffra</i>) in South Africa and Namibia: 1. Phenotypic variation in fruit traits". <i>Agroforestry Systems</i> . 2005. 64,25-35.	0.34
<i>Ruiz-Perez,M, Belcher,B, Achdiawan,R, Alexiades,M, Aubertin,C, Caballero,J, Campbell,BM, Clement,C, Cunningham,T, Fantini,A, de Foresta,H, Garcia-Fernandez,C, Gautam,KH, Hersch-Martinez,P, de Jong,W, Kusters,K, Kutty,MG, Lopez,C, Fu,M, Martinez-Alfaro,A, Nair,TR, Ndoye,O, Ocampo,R, Rai,N, Ricker,M, Schreckenber,K, Shackleton,SE, Shanley,P, Sunderland,T and Youn,Y-C.</i> "Markets drive the specialisation strategies of forest peoples". <i>Ecology and Society</i> . 2004. 9(2),1-10.	0.03
<i>Shackleton,SE and Campbell,B.</i> "What difference can the local level trade in NTFPs make	0.50

to rural livelihoods and poverty in South Africa? Evidence from four case studies". <i>International Forestry Review</i> . 2005. 7,138.	
TOTAL FOR ENVIRONMENTAL SCIENCE	7.30

FINE ART

The Department of Fine Art has engaged actively in research in both academic and creative fields.

A major highlight was the hosting of the 21st Annual Conference of the South African Association of Art and Architectural Historians, in September of 2005. Professor Brenda Schmahmann was convenor and also presented a paper entitled "Between Public and Private Histories: Representation of politicians and news events by women of the Mapula Embroidery project". Dr. Michael Herbst and Ms. Maureen de Jager also presented papers at this respected conference. Earlier in the year Professor Schmahmann attended an international conference titled 'The Fragmented Figure in Ceramic Sculpture' at the Cardiff School of Art and Design, University of Wales where she presented a paper on the sculptures of ceramic artist Wilma Cruise. Professor Dominic Thorburn attended the 3rd Impact International Printmaking Conference that was co-hosted between institutions in Berlin, Germany and Poznan in Poland. Participation in this conference included exhibiting on a prominent tribute exhibition to Käthe Kollwitz at the Kollwitz Museum in Berlin. Thorburn also had work exhibited at the Nelson Mandela Metropolitan Art Museum on an exhibition titled "Cityscape: Images of a changing city", which reflected on the shifting architectural landscape of Port Elizabeth.

Professor Brenda Schmahmann co-edited a milestone publication titled *Between Union and Liberation: Women Artists in South Africa 1910-1994*, and additionally contributed two significant chapters to this book. Schmahmann had a full article titled "Stitches as Sutures: Trauma and Recovery in Works by Women in the Mapula Embroidery Project" accepted by the prestigious journal *African Arts*. Schmahmann and Herbst also contributed significant chapters to a Van Schaik publication - *South African Visual Culture*.

Mr. Brent Meistre was an exhibitor and co-convenor of "Sounds Crazy", a groundbreaking interactive sound installation and new media exhibition that was part of the National Arts Festival and drew enthusiastic crowds. Brent Meistre was also a top ten finalist of the renowned ABSA Atelier Award competition, with his work on display at the Absa Gallery in Johannesburg.

Ms. Maureen de Jager had a solo sculpture exhibition titled "Leave / Remain" at The Gallery Premises in Johannesburg. Ms. Christine Dixie participated in two multi-participant exhibitions "Landscape in Transit" at the University of Stellenbosch Gallery and "Variete" at the Artspace Fine Art Gallery in Johannesburg.

Distinguished visitors to the department included new media artist Nathaniel Stern who ran an interactive video workshop and artist/academic Dr. Marion Arnold who was a guest lecturer.

PROFESSOR B. SCHMAMANN
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Herbst,M

Herbst,M. "Don't give me what I ask for, give me what I need: advertising dilemmas in contemporary South Africa". In: Van Eerden,J and Du Preez, A (eds) *South African Visual Culture*. Van Schaik. Pretoria. 2005.

Schmahmann,B

Schmahmann,B. Arnold,M and Schmahmann, B (eds). *Between Union and Liberation: Women Artists in South Africa 1910-1994*. Ashgate Publishing Ltd.. Aldershot, UK and Burlington, USA. 2005.

Schmahmann,B. "Never stop being a woman: fashioning the female soldier in South Africa". In: Van Eerden,J and Du Preez, A (eds) *South African Visual Culture*. Van Schaik. Pretoria. 2005. 69-89.

Schmahmann,B. "On Pins and Needles: Gender Politics and Embroidery Projects Before the First Democratic Election". In: Arnold,M and Schmahmann, B (eds) *Between Union and Liberation:*

Women Artists in South Africa 1910-1994. Ashgate Publishing Ltd. Aldershot, UK and Burlington, USA. 2005. 152-170.

Schmahmann, B. "Representing Regulation - Rendering Resistance: Female Bodies in the Art of Penny Siopis". In: Arnold, M and Schmahmann, B (eds) *Between Union and Liberation: Women Artists in South Africa 1910-1994*. Ashgate Publishing Ltd.. Aldershot, UK and Burlington, USA. 2005. 196-217.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Schmahmann, B

Schmahmann, B. "Stitches as Sutures: Trauma and Recovery in Works by Women in the Mapula Embroidery Project". *African Arts*. 2005. 38(3), 52-96.

OTHER PUBLICATIONS

de Jager, M

de Jager, M. "Tanya Poole". O'Toole, S (eds) *Art South Africa*. Bell - Roberts Publishing. Cape Town. 2005. 4(1), 72.

Herbst, M

Herbst, M. "Penny Siopis. Edited by Katheryn Smith. Published by Goodman Gallery". O'Toole, S (eds) *Art South Africa*. Bell-Roberts Publishing. Cape Town. 2005. 3(4), 85.

Herbst, M. "National Arts Festival 2005: Wim Botha. Monument Gallery". O'Toole, S (eds) *Art South Africa*. Bell-Roberts Publishing. Cape Town. 2005. 4(1), 66.

Herbst, M. "Book review: Willem Boshoff by Ivan Vladislavic. Published by David Kru". O'Toole, S (eds) *Art South Africa*. Bell-Roberts Publishing. Cape Town. 2005. 4(1), 87-88.

Schmahmann, B

Schmahmann, B. "Book review: History after apartheid: Visual culture and public memory in a democratic South Africa". *De Arte*. 2005. 71, 67-71.

Schoeman, G

Schoeman, G. "Book review: History after Apartheid". O'Toole, S (eds) *Art South Africa*. Bell - Roberts Publishing. Cape Town. 2005. 3(4), 84.

Schoeman, G. "Exhibition review: Gregor Rorig & Brandhan Dickerson". O'Toole, S (eds) *Art South Africa*. Bell - Roberts Publishing. Cape Town. 2005. 4(1), 67.

Schoeman, G. "Exhibition review: Keiskamma Art Project Altarpiece & Paperworks". O'Toole, S (eds) *Art South Africa*. Bell - Roberts Publishing. Cape Town. 2005. 4(1), 67.

Schoeman, G. "Exhibition review: Ties that bind". O'Toole, S (eds) *Art South Africa*. Bell - Roberts Publishing. Cape Town. 2005. 4(1), 68.

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*. Pretoria University, Pretoria. July 2005.

de Jager, M. "Tracing and erasure in Katherine Smith's *Psychogeographies*". *21st Annual Conference of the South African Association of Art and Architectural Historians*. Rhodes University, Grahamstown. September 2005.

Herbst,M

Herbst,M. "The postmodern *corps morcele* as an effect of capital". *Visual Culture / Explorations*. Pretoria University, Pretoria. July 2005.

Herbst,M. "A mutant and alarming thingness, or Pinky Pinky with Oedipus". *21st Annual Conference of the South African Association of Art and Architectural Historians*. Rhodes University, Grahamstown. September 2005.

Meistre,B

Meistre,B. *21st Annual Conference of the South African Association of Art and Architectural Historians*. Rhodes University, Grahamstown. September 2005.

Meistre,B and Knoetze,J

Meistre,B and Knoetze,J. "The Fifty Minute Hour". *International Society for Theoretical Psychology Conference*. UCT School of Business, Cape Town. June 2005.

Meistre,B and Knoetze,J. "Malaise projective (non-test)". *International Society for Theoretical Psychology Conference*. UCT School of Business, Cape Town. June 2005.

Schmahmann,B

Schmahmann,B. "Between Public and Private Histories: Representations of politicians and news events by women in the Mapula Embroidery Project". *21st Annual Conference of the South African Association of Art and Architectural Historians*. Rhodes University, Grahamstown. September 2005.

Schoeman,G

Schoeman,G. "Melancholy constellations: Walter Benjamin, Anselm Kiefer, William Kentridge and the play of mourning". *Visual Culture / Explorations*. Pretoria University, Pretoria. July 2005.

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

Schmahmann,B. "Ceramic Sculptures by Wilma Cruise: Fragments and Feminist Transgressions". *The Fragmented Figure in Ceramic Sculpture*. Cardiff School of Art and Design, University of Wales, Cardiff. Wales. June 2005.

Thorburn,D

Thorburn,D. "The impact of Impact". *Impact 3rd international Printmaking Conference*. Universität der Künste Berlin, Berlin and Poznan. Germany and Poland. September 2005.

CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.**de Jager,M**

de Jager,M. Exhibitor. "*Leave / remain*". The Gallery Premises. Johannesburg. 1 - 23 July 2005.

Dixie,C

Dixie,C. Exhibitor. "*Landscape in Transit*". University of Stellenbosch Gallery. Stellenbosch. 1 March - 9 April 2005.

Dixie,C. Exhibitor. "*Variete*". Artspace Fine Art Gallery. Johannesburg. 1 April - 7 May 2005.

Meistre,B

Meistre,B. Exhibitor. "*Sans: desire for a beginning/dread of one single end*". NSA Gallery. Durban. 1 January - 13 February 2005.

Meistre,B. Co-curator. "*Sounds Crazy*". National Festival of the Arts. Thomas Pringle Hall. Grahamstown. 1 June - 9 July 2005.

Meistre, B. Exhibitor. "ABSA Atelier Award Exhibition". ABSA Gallery. Johannesburg. August 2005.

Meistre, B. Participant. "Interactive Video Workshop by Nathaniel Stern". Studio for Interactive Sound. Grahamstown. 1 - 9 November 2005.

Meistre, B. and *Olivier, T.* Exhibitor/Collaborator. "Bridge to the Sun and other Sonic Tales". National Festival of the Arts. Thomas Pringle Hall. Grahamstown. 1 June - 9 July 2005.

Schmammann, B

Schmammann, B. Curator. "Through the looking glass". Durban Art Gallery. Durban. 1 March - 10 April 2005.

Schmammann, B. Curator. "Through the looking glass". Standard Bank Art Gallery. Johannesburg. 1 April - 28 May 2005.

Thorburn, D

Thorburn, D. Exhibitor. "Homage to Käthe Kollwitz". Käthe Kollwitz Museum. Berlin, Germany. September - October 2005.

Thorburn, D. Exhibitor. "Cityscape: Images of a changing city". Nelson Mandela Metropolitan Art Museum. Port Elizabeth. 2005.

DISTINGUISHED VISITORS

Dr. M Arnold. UK. Lecture and critique. September 2005.

Professor P Siopis. University of the Witwatersrand, Johannesburg. Lecture. March 2005.

Mr. D Southwood. USA. Lecture. May 2005.

Mr. N Stern. Johannesburg. Lecture presentation. November 2005.

Ms. D Victor. University of Pretoria, Pretoria. Visiting Artist / lecture. March 2005.

JOURNAL SUBSIDY UNITS

FINE ART	UNITS
Schmammann, B	
<i>Schmammann, B.</i> "Stitches as Sutures: Trauma and Recovery in Works by Women in the Mapula Embroidery Project". <i>African Arts</i> . 2005. 38(3),52-96.	1.00
TOTAL FOR FINE ART	1.00

GEOGRAPHY

Two staff members took sabbatical leave in 2005: Professor Etienne Nel and Professor Colin Lewis. Professor Lewis took the opportunity to complete his edited book, a new edition of *The Glaciations of Wales* (Logaston Press), to which scientists from thirteen different universities contributed. Professor Lewis was senior editor and contributed two chapters. He attended the *annual meeting of the Quaternary Research Association*, Galway, Ireland. He subsequently travelled to Ascension Island for meetings on the National Park, nature conservation and offshore fisheries development and proceeded to the island of St Helena where he continued research on Holocene climatic change. Professor Nel used his sabbatical to visit New Zealand, Switzerland, Brazil and the UK. He gave conference presentations at the *Institute of British Geographers Conference*, London and the *International Geographical Union Commission Conference on: Globalization, marginalization and Regional and Local Response*, Natal, Brazil. He also published a co-edited book entitled: *Local Economic Development in the Developing World* (Transactions Press) in which he had four chapters.

Other international conference presentations included those by Professor Kate Rowntree at the EMPOWERS conference on *End-user ownership and involvement in Integrated Water Resource Management Cairo, Egypt. November*, and a Master's student, Ms. Merle Naidoo, who presented at the *7th World Congress on Recovery, Recycling and Re-integration R'05* held in Beijing, China, September. Mr. Des Pyle presented a paper at the *Annual European meteorological Society Meeting* in Utrecht, September. He was also appointed as Councillor for Africa for TIEMS (The International Emergency management Society). Professor Fox presented a talk to the *Futures Research Institute* in Turku, Finland.

Local conferences were attended by staff and postgraduate students. Mr. Pyle attended the SASAS annual conference at Richard's Bay and at DMISA annual conference at Mossel Bay and Professor Nel and postgraduate students the SSAG conference at the University of the Western Cape.

Professor Ian Foster from Coventry University was awarded a Hugh Kelly Fellowship by Rhodes University and spent four months in the department. He and Professor Rowntree explored the potential use of magnetic susceptibility as a tracer for sediments in South Africa fluvial systems. Professor Foster has been appointed as a Visiting Professor and hopes to continue his research in South Africa.

Research on guiding a stakeholder driven catchment management plan in the Kat Valley has continued in collaboration with the IWR. Through this project we are collaborating with a modelling group from CEEPA (University of Pretoria) and CIRAD (France) in the development of negotiation tools for water management.

The department produced 8 publications in rated journals in 2005.

PROFESSOR K. ROWNTREE
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Lewis,CA

Lewis,CA. Lewis,CA and Richards, AE (eds). The glaciations of Wales and adjacent areas. Logaston Press. Almeley. 2005.

Lewis,CA. "Introduction". In: Lewis,CA and Richards, A.E (eds) The glaciations of Wales and adjacent areas. Logaston Press. Almeley. 2005. 1-16.

Lewis,CA. "Recognition and development of the Irish Draught Horse". In: McGrath,M and Griffith, J (eds) The Irish Draught Horse: A history. Collins Press. Cork. 2005. 154-179.

Lewis,CA. "Recognition and development of the Irish Draught Horse". In: McGrath,M and Griffith, J (eds) The Irish Draught Horse: A history. Collins Press. Cork. 2005. 252-253.

Lewis,CA and Richards,AE. "Preface". In: Lewis,CA and Richards, AE (eds) The glaciations of Wales and adjacent areas. Logaston Press. Almeley. 2005. 9-10.

Lewis,CA and Thomas,GS. "The upper Wye and Usk regions". In: Lewis,CA and Richards, A.E (eds) The glaciations of Wales and adjacent areas. Logaston Press. Almeley. 2005. 101-128.

Nel,EL

Nel,EL. Nel,EL and Rogerson, CM (eds). Local Economic Development in the Developing World: The Experience of Southern Africa. Transactions Press. New Brunswick. 2005. 358 pp.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Foster,IDL

Charlesworth,SM and Foster,IDL. "Gamma-emitting radionuclides and metallic elements in urban dusts and sediments, Coventry, UK: implications of dosages for dispersal and disposal". *Mineralogical Magazine*. 2005. 69(5),759-767.

Fox,RC

Fox,RC. "Geography of African Development: An alternative curriculum". *South African Geographical Journal*. 2005. 87(1),1-9.

Lewis,CA

Lewis,CA. "Late Glacial and Holocene palaeoclimatology of the Drakensburg of the Eastern Cape, South Africa". *Quaternary International*. 2005. 129,33-48.

Nel,EL

Bek,D, Binns,T and Nel,EL. "Regional Development in South Africa's West Coast: Dividends on the Process Side?". *Tijdschrift Voor Economische En Sociale Geografie*. 2005. 96(2),168-183.

Binns,J.A, Porter,G, Nel,EL and Kyei,P. "Decentralising Poverty? Reflections on the experience of decentralisation". *Africa Insight*. 2005. 35(4),21-31.

Gardyne,S, Hill,T and Nel,EL. "Tourism promotion as a local government response to poverty". *Africa Insight*. 2005. 35(4),121-129.

Marais,L, Nel,EL and Rogerson,C.M. "Manufacturing in the Former Homeland Areas of South Africa: The Example of Free State Province". *Africa Insight*. 2005. 35(4),39-44.

Nel,EL, Illgner,P, Hill,T and Gowela,J.P. "Cultivating Success in Malawi: Community-Based Mushroom Growing As an Alternative Livelihood Strategy". *Africa Insight*. 2005. 35(4),105-111.

Nel,EL and Rogerson,C.M. "Pro-Poor Local Economic Development in South African Cities". *Africa Insight*. 2005. 35(4),15-20.

Rogerson,C.M and Nel,EL. "Decentralization and local initiatives for development: African perspectives". *Africa Insight*. 2005. 35(4),3.

OTHER PUBLICATIONS

Lewis,CA

Lewis,CA. "Climate change, St Helena National Trust, Newsletter 9". 2005. (9), 7-8.

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

i. Local Conferences (Within South Africa)

Fox,RC and Rowntree,KM

Chigumira,E, Fox,RC and Rowntree,KM. "A case study of the impact of The Fast Track Land Reform Programme(FTLRPP) on rural livelihoods and the natural environment in Kadoma District,

Zimbabwe". *Biennial Conference of the Society of South African Geographers*. Cape Town. September 2005.

Nel,E

Nel,E. "Critical Reflections on The Current Status Of Economic Development Interventions In South Africa's Cities". *Biennial Conference of the Society of South African Geographers*. Cape Town. September 2005.

Pyle,D

Pyle,D. *South African Society for Atmospheric Sciences(SASAS) Annual Conference*. Richard's Bay. September 2005.

Pyle,D. *Disaster Risk Reduction 2005: Disaster Management Institute of Southern Africa(DMISA) Annual Conference*. Hartenbos. October 2005.

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

ii. International Conferences (Outside South Africa)

Lewis,CA

Lewis,CA. *Annual General Meeting and West of Ireland Field Meeting, Quaternary Research Association*. Galway. United Kingdom. April 2005.

Nel,EL

Binns,J and *Nel,EL*. "Sustainable Communities and Alternative Food System: Case Studies from South Africa's West Coast". *Presented at the Institute of British Geographers Conference*. London. United Kingdom. 2005.

Davidson,J and *Nel,EL*. "Viva Victory: A development worker's response to economic marginalization in KwaZulu-Natal". *International Geographical Union Commission Conference On: Globalization, Marginalization and Regional and Local Response*. Brazil. 2005.

Nel,EL and Hill,T. "Global Integration and Local Response: An Examination of Industrial Development and Corporate Social Investment Programmes in South Africa: Evidence from Richards Bay". *International Geographical Union Commission Conference On: Globalization, Marginalization and Regional and Local Response*. Brazil. 2005.

Pyle,D

Pyle,D. *Annual European Meteorological Society Meeting*. Utrecht. Holland. September 2005.

Rowntree,KM

Farolfi,S and *Rowntree,KM*. "Accompanying Local Stakeholders in Negotiation Processes Related to Water Allocation Through Simulation Models and Role-Playing Games: an Experience from South Africa". *EMPOWERS conference on End-user ownership and involvement in Integrated Water Resource Management Cairo, Egypt*. Cairo. Egypt. November 2005.

OVERSEAS RESEARCH OR FURTHER STUDY

Lewis,CA

Lewis,CA. Wales. Research. February-April 2005.

Lewis,CA. Ascension. Research. May-June 2005.

Nel,E

Nel,E. Fribourg University, Fribourg, Switzerland. Research. June 2005.

Nel,E. University of Sussex, Brighton, UK. Research. June 2005.

Nel,E. University of Otago, Dunedin, New Zealand. Research. July 2005.

DISTINGUISHED VISITORS

P Assmo. University of West Sweden, Sweden. Lecturer. September - October 2005.

A Brunger. Trent University, Canada. Researcher. January - February 2005.

G Chapman. University of Lancaster, United Kingdom. Lecturer. October 2005.

J Davidson. Independent researcher, Johannesburg. Lecturer. July - September 2005.

S Farolfi. CIRAD/University of Pretoria, Pretoria. Research Collaboration. February 2005.

I Foster. Coventry University, United Kingdom. Research Fellow. July - October 2005.

K Lynch. University of Gloucestershire, Gloucester. Researcher. September 2005.

JP Muller. CIRAD/University of Pretoria, Pretoria. Research Collaboration. February 2005.

JOURNAL SUBSIDY UNITS

GEOGRAPHY	UNITS
Foster,IDL	
Charlesworth,SM and <i>Foster,IDL</i> . "Gamma-emitting radionuclides and metallic elements in urban dusts and sediments, Coventry, UK: implications of dosages for dispersal and disposal". <i>Mineralogical Magazine</i> . 2005. 69(5),759-767.	0.50
Fox,RC	
<i>Fox,RC</i> . "Geography of African Development: An alternative curriculum". <i>South African Geographical Journal</i> . 2005. 87(1),1-9.	1.00
Lewis,CA	
<i>Lewis,CA</i> . "Late Glacial and Holocene palaeoclimatology of the Drakensburg of the Eastern Cape, South Africa". <i>Quaternary International</i> . 2005. 129,33-48.	1.00
Nel,E	
Bek,D, Binns,T and <i>Nel,E</i> . "Regional Development in South Africa's West Coast: Dividends on the Process Side?". <i>Tijdschrift Voor Economische En Sociale Geografie</i> . 2005. 96(2),168-183.	0.34
Binns,J.A, Porter,G, <i>Nel,E</i> and Kyei,P. "Decentralising Poverty? Reflections on the experience of decentralisation". <i>Africa Insight</i> . 2005. 35(4),21-31.	0.25
Gardyne,S, Hill,T and <i>Nel,E</i> . "Tourism promotion as a local government response to poverty". <i>Africa Insight</i> . 2005. 35(4),121-129.	0.34
Marais,L, <i>Nel,E</i> and Rogerson,C.M. "Manufacturing In The Former Homeland Areas Of South Africa: The Example of Free State Province". <i>Africa Insight</i> . 2005. 35(4),39-44.	0.34
<i>Nel,E</i> , Illgner,P, Hill,T and Gowela,J.P. "Cultivating Success In Malawi: Community-Based Mushroom Growing As an Alternative Livelihood Strategy". <i>Africa Insight</i> . 2005. 35(4),105-111.	0.25
<i>Nel,E</i> and Rogerson,C.M. "Pro-Poor Local Economic Development in South African Cities". <i>Africa Insight</i> . 2005. 35(4),15-20.	0.50
TOTAL FOR GEOGRAPHY	4.52

GEOLOGY

Despite staff turnovers and the arrival of new staff during 2005 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 2005 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 2006 the department anticipates having 10 MSc students registered and 1 PhD and 9 MSc students in the April graduation in 2006. 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

Bordy,EM

Bordy,EM, Bumby,A, Catuneanu,O and Eriksson,PG. "Reply to a Comment on Advanced Early Jurassic Termite (Insecta: Isoptera) Nests: Evidence from the Clarens Formation in the Tuli Basin, Southern Africa. (Bordy et al., 2004)". *Palaeos*. 2005. 20,307-311.

Bordy,EM, Hancox,PJ and Rubidge,BS. "A Reply - Turner, B.R. and Thomson, K., Discussion on 'Basin development during deposition of the Elliot Formation (Late Triassic - Early Jurassic), Karoo Supergroup, South Africa' (South African Journal of Geology, 107, 397-412)". *South African Journal of Geology*. 2005. 108,454-461.

Parizot,M, Eriksson,PG, Aifa,T, Sarkar,S, Banerjee,S, Catuneanu,O, Altermann,W, Bumby,AJ, *Bordy,EM*, van Rooy,JL and Boshoff,AJ. "Suspected microbial mat-related crack-like sedimentary structures in the Palaeoproterozoic Magaliesberg Formation sandstones, South Africa". *Precambrian Research*. 2005. 138,274-296.

Buchanan,PC

Greenwood,RC, Franchi,IA, Jambon,A and *Buchanan,PC*. "Widespread magma oceans on asteroidal bodies in the early Solar System". *Nature*. 2005. 435,916-918.

Büttner,SH

Büttner,SH. "Deformation-controlled cation diffusion in compositionally zoned tourmaline". *Mineralogical Magazine*. 2005. 69(4),471-489.

Büttner,SH, Glodny,J, Lucassen,F, Wemmer,K, Erdmann,SH, Handler,R and Franz,G. "Ordovician metamorphism and plutonism in the Sierra de Quilmes metamorphic complex: Implications for the tectonic setting of the northern Sierra Pampeanas (NW Argentina)". *Lithos*. 2005. 83,143-181.

Moore, JM

Alchin, DJ and Moore, JM. "A review of the Pan-African, Neoproterozoic Rosh Pinah Zn-Pb deposit, southwestern Namibia". *South African Journal of Geology*. 2005. 108(1), 67-82.

Tsikos, H and Moore, JM. "Sodic metasomatism in the Palaeoproterozoic Hotazel iron-formation, Transvaal Supergroup, South Africa: implications for fluid-rock interaction in the Kalahari manganese field". *Geofluids*. 2005. 5, 264-271.

Prevec, SA

Prevec, SA, Ashwal, LD and Mkaza, MS. "Mineral disequilibrium in the Merensky Reef, western Bushveld Complex, South Africa: New Sm-Nd isotopic evidence". *Contributions To Mineralogy and Petrology*. 2005. 149(3), 306-315.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS, BOOKLETS and ATTENDANCE)****i. Local Conferences (Within South Africa)****Bordy, EM**

Bordy, EM, Bumby, A, Catuneanu, O and Eriksson, PG. "Exceptional trace fossils from the Lower Jurassic, main Karoo Basin, southern Africa: termite nests vs. ???". *3rd International Congress of Palaeoentomology; 2nd International Meeting on Palaeoarthropodology; 2nd World Congress on Amber and Its Inclusions*. South African National Biodiversity Institute, Pretoria. February 2005. 15.

Master, S, Bordy, EM and Bumby, AJ. "Discovery of Fossil Termite Nests in the Early Jurassic Clarens Formation, at Monk's Cowl in the KwaZulu-Natal Drakensberg". *GEO2005*. School of Geological Sciences, University of KwaZulu-Natal, Durban. July 2005.

Büttner, SH

Büttner, SH. "Deformation-enhanced major and minor element diffusion in compositionally zoned tourmaline". *GEO2005*. School of Geological Sciences, University of KwaZulu-Natal, Durban. July 2005.

Büttner, SH. "Crustal anatexis controlling extensional tectonics, intra-crustal detachment, melt segregation, pluton emplacement and sediment basin formation in the Ordovician Sierra Pampeanas, NW Argentina". *International Conference in Honor of Ron H. Vernon*. Ludwig-Maximilians-Universität München, Munich. Germany. October 2005. 9-12.

Garoëb, HB and Büttner, SH. "Neoproterozoic overprint on the Meso- to Palaeoproterozoic Rehoboth Basement Inlier in Central Namibia". *GEO2005*. School of Geological Sciences, University of KwaZulu-Natal, Durban. July 2005.

Marsh, JS

Klaussen, MB, Marsh, JS and Watkeys, MK. "Geochemical variations in the Karoo Basalt-Rhyolite lava sequence along the Northern Lebombo Monocline (Olifants River Section)". *GEO2005*. School of Geological Sciences, University of KwaZulu-Natal, Durban. July 2005.

Klaussen, MB, Marsh, JS and Watkeys, MK. "Correlating dyke generations to associated lava formations in the northern Lebombo monocline (Karoo Large Igneous Province), S. Africa". *GEO2005*. School of Geological Sciences, University of KwaZulu-Natal, Durban. July 2005.

Mitha, V and Marsh, JS. "Supplying Karoo Flood Basalts of Northern Lesotho". *GEO2005*. School of Geological Sciences, University of KwaZulu-Natal, Durban. July 2005.

Moore, JM

Moore, JM, Skead, MB and Hammond, NQ. "Archaean banded iron formations and Bouma sequences - implications for genesis and ocean oxidation states". *GEO2005*. School of Geological Sciences, University of KwaZulu-Natal, Durban. July 2005.

Prevec,SA

Prevec,SA. "On the enigma of impact-aged zircons in apparently pre-impact rocks". *GEO2005*. School of Geological Sciences, University of KwaZulu-Natal, Durban. July 2005.

Prevec,SA and Steininger,CM. "A preliminary investigation of diagenesis and fossilisation of bone in Archaean dolomitic host rocks, Cradle of Mankind, South Africa". *Fifth International Bone Diagenesis Meeting 'Beyond Documenting Diagenesis'*. University of Cape Town, Cape Town. August 2005. 37.

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

Büttner,SH, Glodney,J and Kasemann,S. "Deformation-controlled cation diffusion in tourmaline: major elements, trace elements, and isotopes". *Structure, Tectonics and Ore Mineralisation Processes (STOMP)*. Jupiters Hotel, Townsville. Australia. August 2005. 20.

Kruhl,JH, Erdmann,S and Büttner,SH. "Brittle-ductile microfabrics in naturally deformed cordierite: evidence for significant spatiotemporal strain-rate variations". *Structure, Tectonics and Ore Mineralisation Processes (STOMP)*. Jupiters Hotel, Townsville. Australia. August 2005. 74.

Marsh,JS

Polteau,S, Planke,S, Neumann,E-R, Galerne,C, Malthe-Sorensen,A, Podlatchikov,Y, Svensen,H, Marsh,JS, Chevalier,L and Liss,D. "Emplacement of saucer-shaped sill intrusions constrained by detailed fieldwork and AMS analyses of the Golden Valley Sill Complex, South Africa". *Geological Society of America Annual Meeting*. Salt Lake City. United States of America. October 2005. 7. 37.

Polteau,S, Planke,S, Neumann,E-R, Galerne,C, Malthe-Sorensen,A, Podlatchikov,Y, Svensen,H, Marsh,JS, Chevalier,L and Liss,D. "Emplacement of saucer-shaped sills and long dykes: constraints from detailed field work and AMS analyses in the Karoo basin, South Africa". *Fall Meeting American Geophysical Union*. San Francisco. United States of America. December 2005. 86.

Prevec,R

Prevec,R. "A morphological and taxonomic overview of the ovulate structures of glossopterids from South Africa". *Gondwana 12*. Congress and Exhibition Centre, Mendoza. Argentina. November 2005.

Prevec,SA

Prevec,SA. "Tectono-geochemical controls on PGE-sulphide mineralisation in Fennoscandian mafic rocks". *10th International Platinum Symposium*. University of Oulu, Oulu. Finland. August 2005. 533-536.

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

Prevec,R. Presenter. "*Glossopteris: a 280 million year-old botanical enigma*". Amy Jacot-Guillarmod Memorial Lecture. Rhodes University. Grahamstown. 1 - 14 April 2005.

Prevec,R. Presenter. "*South African Permo-Carboniferous floras*". Early Permian Workshop. Smithsonian Institution. Washington, DC, USA. 17 - 23 July 2005.

OVERSEAS RESEARCH OR FURTHER STUDY**Prevec,SA**

Prevec,SA. University of Oulu, Oulu, Finland. Short Course 'Exploration for Platinum-Group Element Deposits'. 6 - 7 August 2005.

DISTINGUISHED VISITORS

Dr. MK Bamford. Bernard Price Institute, University of Witwatersrand, Johannesburg RSA. Research. February 2005.

Dr. H Bertrand. Laboratoire des Sciences de la Terre, Lyon France. Research. March 2005.

Dr. PC Buchanan. Antarctic Meteorite Research Center, National, Tokyo, Japan. Research. August 2004-February 2005.

Dr. D Cantrill. Naturhistoriska riksmuseet (Museum of Natural History), Stockholm Sweden. Research. February 2005.

Dr. B Corner. Corner Geophysics Namibia, Swakopmund Namibia. Lecture. July 2005.

Dr. V Courtillot. Institut de Physique du Globe de Paris, Paris France. Research. September 2005.

Professor RA Gastaldo. Colby College, Waterville USA. Research. May 2005.

Dr. R Harris. Geodatec, Johannesburg RSA. Lecture. July 2005.

Professor W Maier. University of Pretoria, Pretoria. Lecture. February 2005.

Mr. C Mallinson. Geodatec, Grahamstown. Lecture. September 2005.

Dr. S Master. University of the Witwatersrand, Johannesburg. Lecture. April 2005.

Mr. M Molatana. Gemcom Africa (Pty) Ltd, Johannesburg. Lecture. September 2005.

Dr. C Tegner. Department of Geology, University of Aarhus, Aarhus Denmark. Research. February 2005.

Dr. J Ward. De Beers, Johannesburg. Lecture. April 2005.

Professor M Watkeys. University of KwaZulu-Natal, Durban. Lecture. September 2005.

JOURNAL SUBSIDY UNITS

GEOLOGY	UNITS
Bordy,EM	
<i>Bordy,EM</i> , Bumby,A, Catuneanu,O and Eriksson,PG. "Reply to a Comment on Advanced Early Jurassic Termite (Insecta: Isoptera) Nests: Evidence from the Clarens Formation in the Tuli Basin, Southern Africa. (Bordy et al., 2004)". <i>Palaios</i> . 2005. 20,307-311.	0.25
<i>Bordy,EM</i> , Hancox,PJ and Rubidge,BS. "A Reply - Turner, B.R. and Thomson, K., Discussion on 'Basin development during deposition of the Elliot Formation (Late Triassic - Early Jurassic), Karoo Supergroup, South Africa' (South African Journal of Geology, 107, 397-412)". <i>South African Journal of Geology</i> . 2005. 108,454-461.	0.34
Parizot,M, Eriksson,PG, Aifa,T, Sarkar,S, Banerjee,S, Catuneanu,O, Altermann,W, Bumby,AJ, <i>Bordy,EM</i> , van Rooy,JL and Boshoff,AJ. "Suspected microbial mat-related crack-like sedimentary structures in the Palaeoproterozoic Magaliesberg Formation sandstones, South Africa". <i>Precambrian Research</i> . 2005. 138,274-296.	0.09
Buchanan,PC	
Greenwood,RC, Franchi,IA, Jambon,A and <i>Buchanan,PC</i> . "Widespread magma oceans on asteroidal bodies in the early Solar System". <i>Nature</i> . 2005. 435,916-918.	0.25
Büttner,SH	
<i>Büttner,SH</i> . "Deformation-controlled cation diffusion in compositionally zoned tourmaline". <i>Mineralogical Magazine</i> . 2005. 69(4),471-489.	1.00
<i>Büttner,SH</i> , Glodny,J, Lucassen,F, Wemmer,K, Erdmann,SH, Handler,R and Franz,G. "Ordovician metamorphism and plutonism in the Sierra de Quilmes metamorphic complex:	0.14

Implications for the tectonic setting of the northern Sierra Pampeanas (NW Argentina)". <i>Lithos</i> . 2005. 83,143-181.	
Moore, JM	
Alchin, DJ and Moore, JM. "A review of the Pan-African, Neoproterozoic Rosh Pinah Zn-Pb deposit, southwestern Namibia". <i>South African Journal of Geology</i> . 2005. 108(1),67-82.	0.50
Tsikos, H and Moore, JM. "Sodic metasomatism in the Palaeoproterozoic Hotazel iron-formation, Transvaal Supergroup, South Africa: implications for fluid-rock interaction in the Kalahari manganese field". <i>Geofluids</i> . 2005. 5,264-271.	0.50
Prevec, SA	
Prevec, SA, Ashwal, LD and Mkaza, MS. "Mineral disequilibrium in the Merensky Reef, western Bushveld Complex, South Africa: New Sm-Nd isotopic evidence". <i>Contributions To Mineralogy and Petrology</i> . 2005. 149(3),306-315.	0.17
TOTAL FOR GEOLOGY	3.24

HISTORY

Members of the History Department continued to be active and productive in the research field during 2005. Paul Maylam's book, *The Cult of Rhodes: Remembering an Imperialist in Africa*, was published by David Philip. In the first half of the year he spent five months in Oxford starting up new research projects. Gary Baines gave papers at two international conferences, in England and China. And he continued to work with Peter Vale preparing for publication a book on South Africa's border war. Julie Wells remains deeply involved in the heritage sector. She gave three papers at National Heritage Council symposia, as well as another at the national oral history conference. Carla Tsampiras delivered a paper at the North-eastern workshop on Southern Africa, held in Vermont. Enocent Msindo joined the department as a post-doctoral fellow at the beginning of the year, and had an article published in the prestigious *International Journal of African Historical Studies*. Chandré Gould successfully completed her Ph.D thesis on South Africa's chemical and biological weapons programme.

PROFESSOR P. MAYLAM
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Maylam,PR

Maylam,PR. *The Cult of Rhodes: Remembering an Imperialist in Africa*. David Philip. Cape Town. 2005. 159 pp.

Maylam,PR. "Unravelling South Africa's Racial Order: The Historiography of Racism, Segregation, and Apartheid". In: Lee,J and Lutz, J (eds) *Situating "Race" and Racisms in Space, Time, and Theory*. McGill-Queen's University Press. Montreal and Kingston. 2005. 138-156.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Baines,G

Baines,G. "Narratives of New Brighton Representations of the Port Elizabeth Township in Official Discourse Cultural Memory and Public History". *African Studies*. 2005. 64(2),244-261.

Gore,JM

Gore,JM. "New Histories in a Post-Colonial Society - Transformation in South African Museums since 1994". *Historia*. 2005. 50(1),75-102.

Gore,JM. "A Lack of Nation? The Evolution of History in South African Museums, c.1825-1945". *South African Historical Journal*. 2004. 51,24-66.

Kinyanjui,FK

Lupele,J, Mwingini,M, Kinyanjui,FK, Kimani,J and Kisamba,C. "Methodological decisions in context: The dilemmas and challenges of novice African scholars". *Southern African Journal of Environmental Education*. 2005. 22,46-59.

Maylam,PR

Maylam,PR. "Rhodes University: Colonialism, Segregation and Apartheid, 1904-1970". *African Sociological Review*. 2005. 9(1),14-22.

Mkhize,N

Mkhize,N. "Am I just a white-washed black woman? What transformation means to a privileged young black woman". *Agenda*. 2005. 65,116-122.

Msindo,E

Msindo,E. "Language and Ethnicity in Matabeleland: Ndebele-Kalanga Relations in southern Zimbabwe, 1930-1960". *International Journal of African Historical Studies*. 2005. 38(1),79-103.

OTHER PUBLICATIONS

Baines,G

Baines,G. "Theatres of Struggle and the End of Apartheid for H-SAfrica Discussion List". Bozzoli, B (eds) OnLine - H-SAfrica. 2005.

Gore,JM

Gore,JM. "Albany Museum - Celebrating 150 Years of Heritage". Albany Museum. Grahamstown. 2005.

Wells,J

Wells,J. "Book review: History after Apartheid, Visual Culture and Public Memory in a Democratic South Africa". Coombes, A (eds) *Journal of Southern African Studies*. 2005. 31(2).

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

i. Local Conferences (Within South Africa)

Wells,J

Wells,J. "Ingredients of a policy framework for developmental heritage work". *National Heritage Council Conference on Heritage and Development*. Sandton, Johannesburg. February 2005.

Wells,J. *Memory for Justice Symposium*. Nelson Mandela Foundation, Johannesburg. August 2005.

Wells,J. "Finding Makhanda notes on a research journey". *National Heritage Council Symposium on Early African Intellectuals*. University of Fort Hare, Alice. September 2005.

Wells,J. "Placing heritage in local government". *National Heritage Council East Cape Provincial Indaba*. East London. September 2005.

Wells,J. "Are we nation-building yet? Oral historians and the recording of the transition out of apartheid". *2nd Annual National Oral History Conference*. Boksburg, October 2005.

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

ii. International Conferences (Outside South Africa)

Baines,G

Baines,G. "Songs of fate, hope and oblivion: Bob Dylan's apocalypse". *Apocalyptic Tests: Creation and Reception Colloquium*. Ripon College, Oxford. UK. September 2005.

Baines,G. "Representing the Soweto Uprising: History Memory and Narratives of the Liberation Struggle in Post-Apartheid South Africa". Macau Ricci Institute, Macau. China. December 2005.

Tsampiras,C

Tsampiras,C. *South Africa Today*. Rutgers University, USA. April 2005.

Tsampiras,C. "This is the new struggle but how are we to fight it? Responses to HIV/AIDS in the Eastern Cape South Africa 2000-2004". *North Eastern Workshop on Southern Africa (NEWSA)*. Burlington, Vermont. USA. April 2005.

CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

Wells,J

Wells,J. Curator. Egazini Outreach Project Interpretation Centre. Joza Township. Grahamstown. April 2005.

Wells,J. Member and Representative of Eastern Cape. National Heritage Council. Eastern Cape. April 2005.

Wells,J. Chairperson. "Research Development Languages and Living Heritage". National Heritage Council. Eastern Cape. April 2005.

JOURNAL SUBSIDY UNITS

HISTORY	UNITS
Baines,G	
<i>Baines,G.</i> "Narratives of New Brighton Representations of the Port Elizabeth Township in Official Discourse Cultural Memory and Public History". <i>African Studies</i> . 2005. 64(2),244-261.	1.00
Gore,JM	
<i>Gore,JM.</i> "New Histories in a Post-Colonial Society - Transformation in South African Museums since 1994". <i>Historia</i> . 2005. 50(1),75-102.	1.00
<i>Gore,JM.</i> "A Lack of Nation? The Evolution of History in South African Museums, c.1825-1945". <i>South African Historical Journal</i> . 2004. 51,24-66.	1.00
Kinyanjui,FK	
<i>Lupele,J, Mwingini,M, Kinyanjui,FK, Kimani,J and Kisamba,C.</i> "Methodological decisions in context: The dilemmas and challenges of novice African scholars". <i>Southern African Journal of Environmental Education</i> . 2005. 22,46-59.	0.20
Maylam,PR	
<i>Maylam,PR.</i> "Rhodes University: Colonialism, Segregation and Apartheid, 1904-1970". <i>African Sociological Review</i> . 2005. 9(1),14-22.	1.00
Mkhize,N	
<i>Mkhize,N.</i> "Am I just a white-washed black woman? What transformation means to a privileged young black woman". <i>Agenda</i> . 2005. 65,116-122.	1.00
Msindo,E	
<i>Msindo,E.</i> "Language and Ethnicity in Matabeleland: Ndebele-Kalanga Relations in southern Zimbabwe, 1930-1960". <i>International Journal of African Historical Studies</i> . 2005. 38(1),79-103.	1.00
TOTAL FOR HISTORY	6.20

HUMAN KINETICS AND ERGONOMICS

Our outputs for 2005 focused broadly on the areas of optimizing military performance and the biomechanical and physiological cost of manual materials handling tasks.

The paper entitled "Metabolic responses of South African soldiers during simulated marching with sixteen combinations of speed and backpack load" was published in the international journal of Military Medicine. This was the culmination of Candice Christie's MSc research findings. Christie and Scott further published a paper in Ergonomics SA which looked at the under researched topic of developing a lifting maximal aerobic capacity test for application within an industrial context. Andrew Todd's paper in Ergonomics SA highlighted the current trends in pushing and pulling research. He expanded this during the Cyberg conference where he presented a paper on the 'fall of lifting' with many tasks now being made either pushing or pulling. He highlights the fact that although the stressors imposed by lifting have been reduced, other stressors are now becoming evident with pushing and pulling tasks; his PhD research is in this field.

The other papers presented at the Cyberg conference were by Scott and Christie, with the input of students work. Jonathan James, who has left the department presented a paper at the Cyberg conference using students work.

The students were Amy Wolfe, Sheena Furney, Adam Cripwell and MJ Forbes whose honours research data were used in the publications. Professor Scott also presented a paper on establishing an "Ergonomics Facilitation Team" within developing countries.

For 2006, there will be 3 PhD and 6 (3 first year and 3 second year) MSc students registered in the department. In April 2006 it is hoped that Ms. Candice Christie will graduate with her PhD.

MS. C. CHRISTIE
LECTURER

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Christie,CJ and Scott,PA

Christie,CJ and Scott,PA. "Metabolic responses of South African soldiers during simulated marching with sixteen combinations of speed and backpack load". *Military Medicine.* 2005. 170(7),619-622.

Christie,CJ and Scott,PA. "Comparison of maximal aerobic capacity during running and lifting activities". *Ergonomics SA.* 2005. 17(1),41-49.

Todd,AI

Todd,AI. "Current trends in research focused on pushing and pulling". *Ergonomics SA.* 2005. 17(2),42-53.

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

i. Local Conferences (Within South Africa)

Christie,CJ

Christie,CJ, Forbes,MJ and Wolfe,A. "Possible use of heart rate to predict oxygen consumption during moderate intensity lifting". *Third International Cyberspace Conference on Ergonomics.* University of the Witwatersrand, Johannesburg. September 2005.

Christie,CJ and Scott,PA

Christie,CJ and Scott,PA. "Physiological and perceptual responses of female debarkers during forestry work". *Third International Cyberspace Conference on Ergonomics.* University of the Witwatersrand, Johannesburg. September 2005.

James,J

James,J, Cripwell,A and Furney,S. "Pushing vs. Pulling Strength: Effect of Handle Height and Practical Ergonomics Applications". *Third International Cyberspace Conference on Ergonomics*. University of the Witwatersrand, Johannesburg. September 2005.

James,J and Todd,AI

Thatcher,A, James,J and Todd,AI. "Proceedings of the Fourth International Cyberspace Conference on Ergonomics". *Fourth International Cyberspace Conference on Ergonomics*. University of the Witwatersrand, Johannesburg. September 2005.

Todd,AI

Todd,AI. "Current trends in research focused on pushing and pulling". *Fourth International Cyberspace Conference on Ergonomics*. University of the Witwatersrand, Johannesburg. September 2005.

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

ii. International Conferences (Outside South Africa)

Scott,PA

Scott,PA. "Establishing an "Ergonomics Facilitation Team" within Industries in Developing Regions". *Proceedings of the Eighth International Symposium on Human Factors in Organizational Design and Management*. Maui, Hawaii. USA. June 2005.

DISTINGUISHED VISITORS

Professor W Marras. Ohio State University, USA. Workshops and Lecture. September 2005.

JOURNAL SUBSIDY UNITS

HUMAN KINETICS AND ERGONOMICS	UNITS
Christie,CJ and Scott,PA	
<i>Christie,CJ and Scott,PA. "Metabolic responses of South African soldiers during simulated marching with sixteen combinations of speed and backpack load". Military Medicine. 2005. 170(7),619-622.</i>	1.00
<i>Christie,CJ and Scott,PA. "Comparison of maximal aerobic capacity during running and lifting activities". Ergonomics SA. 2005. 17(1),41-49.</i>	1.00
Todd,AI	
<i>Todd,AI. "Current trends in research focused on pushing and pulling". Ergonomics SA. 2005. 17(2),42-53.</i>	1.00
TOTAL FOR HUMAN KINETICS AND ERGONOMICS	3.00

ICHTHYOLOGY AND FISHERIES SCIENCE

The DIFS is a well established research department which received contract research funding to the value of R2.9 million in 2005 from various funding agencies and industry. These included the Water Research Commission, THRIP, Foundation for Research Development, Biopad, and Department of Environmental Affairs: Marine and Coastal Management. All staff are rated NRF researchers and run their own research programmes. These programmes support our post-graduate student complement and provide them with valuable research experience and industry exposure. For 2006, the DIFS has 8 registered PhD students and 19 MSc students. Four PhD and four MSc graduates are expected to graduate in April 2006. DIFS PhD graduate and Mellon Lecturer Carol Simon was honoured with the L'Oreal Women in Science Award. The DIFS is regarded as a major contributor to marine and aquatic science in southern Africa. The Department produced 23 peer reviewed publications in 2005 and its staff serve on various research committees and policy making fora. Professor Britz sits on the advisory board of the WWF Marine Programme. Research areas within the DIFS include projects on fishery management, aquaculture technology development, livelihoods based on aquatic resources, development of probiotics for aquaculture, fish stock enhancement, fisheries governance arrangements, modelling of fish populations, marine reserves, aquaculture feed development, telemetry to monitor fish movement, estuarine ecology, fish taxonomy and physiology. The DIFS enjoys a close working relationship with the South African Institute for Aquatic Biodiversity (SAIAB), whose staff supervise several DIFS postgraduates and are research collaborators on projects.

PROFESSOR P. BRITZ
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Hecht,T

Shipton,TA and Hecht,T. "A review of the animal and aquafeed industries in South Africa". In: Moehl,J and Halwart, M (eds) CIFA Occasional Papers No 26. FAO. Rome. 2005. 26, 1-13.

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Booth,AJ

Beamish,CA, Booth,AJ and Deacon,N. "Age, growth and reproduction of largemouth bass, *Micropterus salmoides*, in Lake Manyame, Zimbabwe". *African Zoology*. 2005. 40,63-69.

Maartens,L and Booth,AJ. "Aspects of the reproductive biology of monkfish, *Lophius vomerinus*, off Namibia". *African Journal of Marine Science*. 2005. 27(1),325-329.

Rutaisire,J and Booth,AJ. "Reproductive biology of ningu *Labeo victorianus* (Pisces : Cyprinidae) in the Kagera and Sio Rivers, Uganda". *Environmental Biology of Fishes*. 2005. 73,153-162.

Rutaisire,J, Booth,AJ, Masembe,C, Nyakaana,S and Muwanika,VB. "Morphometric and genetic characterisation of two *Labeo victorianus* populations". *African Zoology*. 2005. 40(2),309-317.

Booth,AJ, Hecht,T and Andrew,TG

Potts,WM, Booth,AJ, Hecht,T and Andrew,TG. "Reproductive biology of a riverine cyprinid, *Labeo umbratus* (Teleostei: Cyprinidae), in small African reservoirs". *African Journal of Aquatic Science*. 2005. 30(2),147-155.

d'Hotman,BD

Strydom,NA and d'Hotman,BD. "Estuary-dependence of larval fishes in a non-estuary associated South African surf zone: evidence for continuity of surf assemblages". *Estuarine Coastal and Shelf Science*. 2005. 63,101-108.

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Davis,JA, Wille,M, Hecht,T and Sorgeloos,P. "Optimal first feed organism for South African mud crab, *Scylla serrata* (Forskål) larvae". *Aquaculture International*. 2005. 13(3),187-201.

Davis,JA, Wille,M, Hecht,T and Sorgeloos,P. "Optimum time for weaning South African, *Scylla serrata* (Forskål) larvae from rotifers to *Artemia*". *Aquaculture International*. 2005. 13(3),203-216.

Kamukuru,AT, Hecht,T and Mgaya,YD. "Effects of exploitation on age, growth and mortality of the blackspot snapper, *Lutjanus fulvivflamma* at Mafia Island, Tanzania". *Fisheries Management and Ecology*. 2005. 12,45-55.

Kruitwagen,G, Hecht,T, Pratap,HB and Wendelaar Bonga,SE. "Changes in morphology and growth of the mudskipper (*Periophthalmus argentilineatus*) associated with coastal pollution". *Marine Biology*. 2005. 1-11.

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Simon,CA, Kaiser,H and Britz,PJ. "The effect of age on the reproductive output of the abalone pest, *Terebrasabella heterouncinata* (Polychaeta: Sabellidae: Sabellinae)". *African Journal of Marine Science*. 2005. 27(2),513-516.

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Kerwath,SE, Götz,A, Cowley,PD, Sauer,WHH and Attwood,C. "A telemetry experiment on spotted grunter *Pomadasyss commersonii* in an African estuary". *African Journal of Marine Science*. 2005. 27(2),389-394.

Walmsley,SA, Leslie,RW and Sauer,WHH. "The biology and distribution of the monkfish *Lophius vomerinus* off South Africa". *African Journal of Marine Science*. 2005. 27(1),157-168.

Simon,CA

Simon,CA and Rouse,GW. "Ultrastructure of spermiogenesis, sperm, and the spermatheca in *Terebrasabella heterouncinata* (Polychaeta: Sabellidae: Sabellinae)". *Invertebrate Biology*. 2005. 124(1),40-50.

Weyl,OLF

Weyl,OLF, Nyasulu,T and Rusuwa,B. "Assessment of catch, effort and species changes in the pair-trawl fishery of southern Lake Malawi, Malawi, Africa". *Fisheries Management and Ecology*. 2005. 12(6),395-402.

Weyl,OLF and Booth,AJ

Kanyerere,GZ, Weyl,OLF and Booth,AJ. "Growth, reproduction and population structure of *Diplotaxodon limnothrissa* in the southeast arm of Lake Malawi". *African Journal of Aquatic Science*. 2005. 30(1),37-44.

Kanyerere,GZ, Weyl,OLF and Booth,AJ. "Management advice for the *Diplotaxodon limnothrissa* (Pisces:Cichlidae) resource in the south-east arm of Lake Malawi, based on per-recruit analysis". *African Journal of Aquatic Science*. 2005. 30(2),141-145.

Weyl,OLF, Booth,AJ, Mwakiyongo,KR and Mandere,DS. "Management recommendations for *Copadichromis chrysonotus* (Pisces:Cichlidae) in Lake Malombe, Malawi, based on per-recruit analysis". *Fisheries Research*. 2005. 71,165-173.

OTHER PUBLICATIONS**Booth,AJ**

Booth,AJ. "Marine Reserves: a guide to science, design and use. Marine Reserves: A Guide to Science, Design. Sobel, J. Island Press, Washington". *African Journal of Aquatic Science*. 2005. 30(2), 215.

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Childs,AR and Weerts,S

Naesje,TF, Childs,AR, Cowley,PD, Thorstad,EB, Okland,F, Weerts,S and Buthelezi,P. "Movements and area use by small spotted grunter (*Pomadasys commersonii*) in the Great Fish Estuary (South Africa) : implications for management". NINA Report. 2005. 55, 46.

Jones,CLW and Rouhani,Q

Jones,CLW, Fielding,PJ and Rouhani,Q. "Potential opportunities based on marine resources in the O.R. Tambo District Municipality". A supplement to the report entitled Marine and Coastal Resources in the O.R. Tambo District Municipality. Rural Fisheries Programme, Rhodes University. 2005. 18.

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Potts,WM and Cowley,PD. "Trends in fishery resource utilization on the Great Fish Estuary". NINA Report. 2005. 50, 34.

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

i. Local Conferences (Within South Africa)

Andrew,TG, Weyl,OLF and Hecht,T

Andrew,TG, Weyl,OLF, Andrew,M and Hecht,T. "The contribution of aquaculture to livelihoods of smallholder farmers in Malawi". *7th Bi-annual Conference of the Aquaculture Association of Southern Africa*. Rhodes University, Grahamstown. September 2005.

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Britz,PJ. "The need for a planned approach to aquaculture development - towards regional policy and cooperation in the Benguela Large Marine Ecosystem Countries". *7th Bi-annual Conference of the Aquaculture Association of Southern Africa: Aquaculture for Africa - Unlocking the Potential*. Rhodes University, Grahamstown. September 2005.

Bernatzeder,A and Britz,PJ. "Thermal preference of juvenile dusky kob *Argyrosomus japonicus*". *7th Bi-annual Conference of the Aquaculture Association of Southern Africa: Aquaculture for Africa - Unlocking the Potential*. Rhodes University, Grahamstown. September 2005.

Britz,PJ, Raemaekers,S and Godfrey,B. "The development of territorial user right fisheries in traditional coastal communities in South Africa". *Regional monitoring compliance and surveillance symposium*. International Convention Centre, Cape Town. February 2005.

Esterhuizen,JA and Britz,PJ. "An overview of the biological and economic feasibility aspects for the commercial rearing of juvenile rock lobster *Jasus lalandii*". *7th Bi-annual Conference of the Aquaculture Association of Southern Africa: Aquaculture for Africa - Unlocking the Potential*. Rhodes University, Grahamstown. September 2005.

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Fortuin,A

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Markovina,M and *Hecht,T*. "Cryogenic storage of sperm of the white margined sole *Synaptura marginata*". *7th Bi-annual Conference of the Aquaculture Association of Southern Africa*. Rhodes University, Grahamstown. September 2005.

Thompson,E and *Hecht,T*. "Research on sole aquaculture in South Africa - road to commercialisation". *12th South African Marine Science Symposium: Coast to coast*. Elangeni Garden Court Hotel, Durban. July 2005.

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Thompson,E, *Strydom,N* and *Hecht,T*. "Larviculture of the soleid *Synaptura marginata* – tool for fisheries management". *12th South African Marine Science Symposium: Coast to coast*. Elangeni Garden Court Hotel, Durban. July 2005.

James,NC

James,NC, *Whitfield,AK* and *Cowley,PD*. "A long-term study of the fish community of the East Kleinemonde Estuary, South Africa, with evidence for global warming". *12th South African Marine Science Symposium: Coast to coast*. Elangeni Garden Court Hotel, Durban. July 2005.

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Green,AL, *Jones,CLW* and *Britz,PJ*. "An investigation into the nutritional value of kelp in formulated diets for the culture of South African abalone *Haliotis midae*". *7th Bi-annual Conference of the Aquaculture Association of Southern Africa: Aquaculture for Africa - Unlocking the Potential*. Rhodes University, Grahamstown. September 2005.

Green,AL, *Jones,CLW* and *Britz,PJ*. "The use of kelp in the artificial diets of cultured abalone *Haliotis midae*". *7th Bi-annual Conference of the Aquaculture Association of Southern Africa: Aquaculture for Africa - Unlocking the Potential*. Rhodes University, Grahamstown. September 2005.

Jones,CLW and *Britz,PJ*. "Development of a low-protein artificial feed for the abalone (*Haliotis midae*) culture industry in South Africa". *12th South African Marine Science Symposium: Coast to coast*. Elangeni Garden Court Hotel, Durban. July 2005.

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Kaiser,H, Burkhart,S, Button,S, Coombs,W, du Preez,B, Lisher,M, Muller,CM, Newcombe,H, Sterley,J, Timmer,R, Tutt,G and Wakeford,B. "Clove oil as anaesthetic in *Oreochromis mossambicus*". *7th Bi-annual Conference of the Aquaculture Association of Southern Africa: Aquaculture for Africa - Unlocking the Potential*. Rhodes University, Grahamstown. September 2005.

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Mwale,M, Barker,NP, Kaiser,H and Heemstra,P. "A molecular phylogeny of South African pipefishes of the genus *Syngnathus* using cytochrome b sequences of mitochondrial DNA". *32nd Zoological Society of Southern Africa Conference*. Rhodes University, Grahamstown. July 2005.

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Oosthuizen,A. "Development and management of new fisheries in South Africa". *12th South African Marine Science Symposium: Coast to coast*. Elangeni Garden Court Hotel, Durban. July 2005.

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Potts,WM and Cowley,PD. "Validation of the periodicity of opaque zone formation in the otoliths of four temperate reef associated fishes from South Africa". *12th South African Marine Science Symposium: Coast to coast*. Elangeni Garden Court Hotel, Durban. July 2005.

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King,C, Cowley,PD and Sauer,WHH. "Status of the Plettenberg Bay shore-based linefishery". *12th South African Marine Science Symposium: Coast to coast*. Elangeni Garden Court Hotel, Durban. July 2005.

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Watt-Pringle,PA and Cowley,PD. "Movement behaviour of juvenile sparid fishes in the intertidal zone on the Eastern Cape coast, South Africa". *12th South African Marine Science Symposium: Coast to coast*. Elangeni Garden Court Hotel, Durban. July 2005.

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

Raemaekers,S, Godfrey,B and Britz,PJ. "Prospects for sustainable management of the abalone (*Haliotis midae*) resource in traditional communities of the Eastern Cape South Africa". *4th WIOMSA Scientific Symposium: Advances in Marine Science in the Western Indian Ocean*. Grande Baie. Mauritius. August 2005.

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Childs,AR, Cowley,PD, Næsje,TR, Thorstad,EB and Okland,F. "Home range parameters of spotted grunter (*Pomadasys commersonii*) in the Great Fish Estuary, South Africa". *6th Conference of Fish Telemetry*. Institute of Oceanography, Sesimbra. Portugal. June 2005.

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Jones,CLW and Kaiser,H. "Parturition-associated behaviour in adult swordtail *Xiphophorus helleri*". *World Aquaculture Conference*. Bali. Indonesia. 2005.

Weyl,OLF and Booth,AJ

Weyl,OLF, Booth,AJ, Mwakiyongo,K and Banda,MM. "Per-recruit simulation as a rapid assessment tool for a multi-species small-scale fishery in Lake Malombe, Malawi, Africa". *Fisheries assessment and management in data-limited situations*. Anchorage. USA. October 2005. AK-SG-05-02. 235-254.

DISTINGUISHED VISITORS

Professor K Fitzsimmons. University of Arizona, Tuscon. Keynote speaker at Aquaculture Association Conference hosted at Rhodes. September 2005.

Mr. H Kleinschmidt. Feike (Pty) Ltd, Cape Town. Humphry Greenwood lecture at post-grad seminars. September 2005.

Dr. AIL Payne. CEFAS - Centre for Fisheries and Aquaculture Sciences, Portsmouth. Strategic planning and cooperation, feedback on DIFS review. January 2005.

Portfolio Committee for Science and Technology. Parliament, Cape Town. Visit to Rhodes University. September 2005.

JOURNAL SUBSIDY UNITS

ICHTHYOLOGY AND FISHERIES SCIENCE	UNITS
Booth,AJ	
<i>Beamish,CA, Booth,AJ and Deacon,N.</i> "Age, growth and reproduction of largemouth bass, <i>Micropterus salmoides</i> , in Lake Manyame, Zimbabwe". <i>African Zoology</i> . 2005. 40,63-69.	1.00
<i>Maartens,L and Booth,AJ.</i> "Aspects of the reproductive biology of monkfish, <i>Lophius vomerinus</i> , off Namibia". <i>African Journal of Marine Science</i> . 2005. 27(1),325-329.	0.50
<i>Rutaisire,J and Booth,AJ.</i> "Reproductive biology of ningu <i>Labeo victorianus</i> (Pisces : Cyprinidae) in the Kagera and Sio Rivers, Uganda". <i>Environmental Biology of Fishes</i> . 2005. 73,153-162.	0.50
<i>Rutaisire,J, Booth,AJ, Masembe,C, Nyakaana,S and Muwanika,VB.</i> "Morphometric and genetic characterisation of two <i>Labeo victorianus</i> populations". <i>African Zoology</i> . 2005. 40(2),309-317.	0.20
Booth,AJ, Hecht,T and Andrew,TG	
<i>Potts,WM, Booth,AJ, Hecht,T and Andrew,TG.</i> "Reproductive biology of a riverine cyprinid, <i>Labeo umbratus</i> (Telesotei: Cyprinidae), in small African reservoirs". <i>African Journal of Aquatic Science</i> . 2005. 30(2),147-155.	1.00
d'Hotman,BD	
<i>Strydom,NA and d'Hotman,BD.</i> "Estuary-dependence of larval fishes in a non-estuary associated South African surf zone: evidence for continuity of surf assemblages". <i>Estuarine Coastal and Shelf Science</i> . 2005. 63,101-108.	0.50
Hecht,T	
<i>Davis,JA, Wille,M, Hecht,T and Sorgeloos,P.</i> "Optimal first feed organism for South African mud crab, <i>Scylla serrata</i> (Forskål) larvae". <i>Aquaculture International</i> . 2005. 13(3),187-201.	0.50
<i>Davis,JA, Wille,M, Hecht,T and Sorgeloos,P.</i> "Optimum time for weaning South African, <i>Scylla serrata</i> (Forskål) larvae from rotifers to <i>Artemia</i> ". <i>Aquaculture International</i> . 2005. 13(3),203-216.	0.50
<i>Kamukuru,AT, Hecht,T and Mgayi,YD.</i> "Effects of exploitation on age, growth and mortality of the blackspot snapper, <i>Lutjanus fulviflamma</i> at Mafia Island, Tanzania". <i>Fisheries Management and Ecology</i> . 2005. 12,45-55.	0.34
<i>Kruitwagen,G, Hecht,T, Pratap,HB and Wendelaar Bonga,SE.</i> "Changes in morphology and growth of the mudskipper (<i>Periophthalmus argentilineatus</i>) associated with coastal pollution". <i>Marine Biology</i> . 2005. 1-11.	0.25
Jones,CLW and Kaiser,H	
<i>Jones,CLW and Kaiser,H.</i> "Movement of juvenile swordtail (<i>Xiphophorus helleri</i> Heckel) through a tank bottom grid depends on combination of grid and tank colour". <i>Aquaculture Research</i> . 2005. 36,513-515.	1.00
Kaiser,H and Britz,PJ	
<i>Simon,CA, Kaiser,H and Britz,PJ.</i> "The effect of age on the reproductive output of the abalone pest, <i>Terebrasabella heterouncinata</i> (Polychaeta: Sabellidae: Sabellinae)". <i>African Journal of Marine Science</i> . 2005. 27(2),513-516.	1.00
<i>Simon,CA, Kaiser,H and Britz,PJ.</i> "The life history responses of the abalone pest, <i>Terebrasabella heterouncinata</i> under natural and aquaculture conditions". <i>Marine Biology</i> . 2005. 147(1),135-144.	1.00
Potts,WM	
<i>Cowley,WM and Potts,WM.</i> "Validation of the periodicity of opaque zone formation in the otoliths of four temperate reef fish from South Africa". <i>African Journal of Marine Science</i> . 2005. 27(3),659-669.	0.50
Potts,WM and Khumalo,NA	
<i>Potts,WM and Khumalo,NA.</i> "The effect of reservoir trophic status on the feeding and growth of <i>Labeo umbratus</i> ". <i>Environmental Biology of Fishes</i> . 2005. 73,141-152.	1.00

Sauer,WHH	
<i>Kerwath,SE, Götz,A, Cowley,PD, Sauer,WHH and Attwood,C. "A telemetry experiment on spotted grunter Pomadasys commersonnii in an African estuary". African Journal of Marine Science. 2005. 27(2),389-394.</i>	0.60
<i>Walmsley,SA, Leslie,RW and Sauer,WHH. "The biology and distribution of the monkfish Lophius vomerinus off South Africa". African Journal of Marine Science. 2005. 27(1),157-168.</i>	0.67
Simon,CA	
<i>Simon,CA and Rouse,GW. "Ultrastructure of spermiogenesis, sperm, and the spermatheca in Terebrasabella heterouncinata (Polychaeta: Sabellidae: Sabellinae)". Invertebrate Biology. 2005. 124(1),40-50.</i>	0.50
Weyl,OLF	
<i>Weyl,OLF, Nyasulu,T and Rusuwa,B. "Assessment of catch, effort and species changes in the pair -trawl fishery of southern Lake Malawi, Malawi, Africa". Fisheries Management and Ecology. 2005. 12(6),395-402.</i>	0.34
Weyl,OLF and Booth,AJ	
<i>Kanyerere,GZ, Weyl,OLF and Booth,AJ. "Growth, reproduction and population structure of Diplotaxodon limnothrissa in the southeast arm of Lake Malawi". African Journal of Aquatic Science. 2005. 30(1),37-44.</i>	1.00
<i>Kanyerere,GZ, Weyl,OLF and Booth,AJ. "Management advice for the Diplotaxodon limnothrissa (Pisces:Cichlidae) resource in the south-east arm of Lake Malawi, based on per-recruit analysis". African Journal of Aquatic Science. 2005. 30(2),141-145.</i>	1.00
<i>Weyl,OLF, Booth,AJ, Mwakiyongo,KR and Mandere,DS. "Management recommendations for Copadichromis chrysonotus (Pisces:Cichlidae) in Lake Malombe, Malawi, based on per-recruit analysis". Fisheries Research. 2005. 71,165-173.</i>	0.50
TOTAL FOR ICHTHYOLOGY AND FISHERIES SCIENCE	14.40

INFORMATION SYSTEMS

A total 37 post-graduate honours (29), Master's (7) and Doctoral (1) students engaged in a variety of research projects during the year.

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, ICT for sustainable development, alignment of business and IT strategy.

A number of senior post-graduate students were awarded degrees at the April Graduation Ceremony including 3 Master's students in the Department, as well as students supervised in the Rhodes Investec Business School (RIBS) (Master's – 1) and the Department of Management (Doctoral - 1)

Members of staff and students participated in a number of local and international conferences notably: 5th Annual Information Security South Africa (ISSA) Conference, mLearn 2005: 4th World Conference on Mobile Learning, and Gartner Symposium/ITXPO 2005.

Mr. Ed de la Rey was the proud recipient of the Rhodes University National Innovation Competition for his work in the area of Laboratory Instrumentation Management Systems (LIMS). The work forms part of his Master's research which involves the application of low-cost technology and systems to the problem of the management and control of instruments as commonly found in laboratories or commercial environments using the Internet as a communication medium. The prize included a substantial financial component, as well as entry to the national leg of the competition.

The Department hosted two successful research symposia. The eLearning Research Symposium was attended by students and staff from the University of Pisa, NMMU and Rhodes. The first Eastern Cape ICT (ECICT) "Research Rumble" attracted an enormous 70 post-graduate students and staff from UFH, NMMU and Rhodes. The intention is that the Rumble will become an annual event at which all ICT-based research at Eastern Cape universities will be presented.

Collaborative research was established with a number of Finnish academics in the area of ICT for sustainable development.

Status of Post-Graduate Programme		
Level	Registered (2005)	Expected to Graduate (April, 2006)
Honours	29	29
Master's	7	3
Doctoral	1	0

PROFESSOR D. SEWRY
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Mallinson,BJ and Lannon,J

Pade,C, Mallinson,BJ and Lannon,J. "The Use of Information and Communication Technologies for Rural Development and Poverty Alleviation in Developing Countries: An Investigation of Gender Specific Agricultural Development". The Southern African Journal of Information and Communication. 2005. 6,4-21.

Mallinson,BJ and Sewry,DA

Mallinson,BJ and Sewry,DA. "The Development and Evolution of an Information Systems Honours Module in eLearning". Alternation. 2005. 12.1b,365-388.

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

i. Local Conferences (Within South Africa)

Mallinson,BJ

Barker,A, Krull,GE and Mallinson,BJ. "A Proposed Theoretical Model for mLearning Adoption in Developing Countries". *mLearn 2005: 4th World Conference on Mobile Learning.* BoE Conference Centre, Cape Town. October 2005.

McNeill,JB

McNeill,JB. *Gartner Symposium/ITXPO 2005.* Cape Town International Convention Centre, Cape Town. August 2005.

Upfold,CT and Sewry,DA

Upfold,CT and Sewry,DA. "An Investigation of Information Security in Small and Medium Enterprises (SME's) in the Eastern Cape". *5th Annual Information Security South Africa (ISSA) Conference.* Johannesburg. June 2005.

DISTINGUISHED VISITORS

Professor H Hallantie. Helsinki University of Technology, Helsinki, Finland. Collaborative Projects. July 2005.

Dr. O Hietanen. Finland Futures Research Centre, Turku School of Economics and Business Administration, Turku, Finland. Collaborative Research. August 2005.

Professor M Sainsbury. Uti SUN Couriers, Pretoria. Lecture. 2005.

Professor E Sutinen. Department of Computer Science, University of Joensuu, Joensuu, Finland. Collaborative Research. March 2005.

Dr. R Weeks. IBM, Johannesburg. Lecture. 2005.

JOURNAL SUBSIDY UNITS

INFORMATION SYSTEMS	UNITS
Mallinson,BJ and Lannon,J	
<i>Pade,C, Mallinson,BJ and Lannon,J.</i> "The Use of Information and Communication Technologies for Rural Development and Poverty Alleviation in Developing Countries: An Investigation of Gender Specific Agricultural Development". <i>The Southern African Journal of Information and Communication.</i> 2005. 6,4-21.	1.00
Mallinson,BJ and Sewry,DA	
<i>Mallinson,BJ and Sewry,DA.</i> "The Development and Evolution of an Information Systems Honours Module in eLearning". <i>Alternation.</i> 2005. 12.1b,365-388.	1.00
TOTAL FOR INFORMATION SYSTEMS	2.00

INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH

2005 was a rather quiet year following on the many celebrations in our 50th year of research. In June, Michelle Cocks organised a photographic exhibition to promote bio-cultural diversity that was opened by the Deputy-Director General, Biodiversity and Conservation, in the Department of Environmental Affairs and Tourism at Fort Selwyn, Grahamstown. The exhibition was such a success that its lifespan was extended when it was loaned to Bayworld in the Port Elizabeth Museum.

In October, ISER welcomed Professor Greg Ruiters who took up the newly created Matthew Goniwe Chair in Development and Society. With the establishment of the new chair, ISER will be in a position to operate to full capacity.

While on sabbatical between January and August, Director Valerie Møller visited the Social Weather Stations, one of the Philippines' leading opinion polling centres, where she presented on attitude surveys conducted for South Africa's ten years of democracy. She also participated in a cultural course at Sanata Dharma University in Yogyakarta, Indonesia.

MS. M. COCKS
ACTING DIRECTOR

BOOKS/CHAPTERS/MONOGRAPHS

Møller,V

Møller,V. "Perceptions of everyday quality of life and employment opportunities among South African youth: A Grahamstown East/Rini case study". In: Bleu, D (eds) *Cadre de vie et travail: Les dimensions d'une qualité de vie au quotidien*. Edisud. France. 2005. 153-172.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Cocks,ML

Paumgarten,F, Shackleton,CM and Cocks,ML. "Growing of trees in home-gardens by rural households in the Eastern Cape and Limpopo provinces, South Africa". *International Journal of Sustainable Development and World Ecology*. 2005. 12,1-19.

Møller,V

Møller,V. "Resilient or resigned? Criminal victimisation and quality of life in South Africa". *Social Indicators Research*. 2005. 72(3),263-317.

Møller,V. "Attitudes to food gardening from a generational perspective: A South African case study". *Journal of Intergenerational Relationships: Programs, Policy and Research*. 2005. 3(2),63-80.

OTHER PUBLICATIONS

Cocks,ML

Dold,AP and Cocks,ML. "The trade of medicinal plants in South Africa". National Agricultural Directory (South Africa). Rainbow SA. South Africa. 2005. 551.

Dold,AP and Cocks,ML. "Imbhola yesixhosa – traditional Xhosa cosmetics". *Veld and Flora*. 2005. 9(3), 123-125.

CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

Cocks,ML

Cocks,ML and Dold,AP. Designer. "*Imithi yesiXhosa – Plants for Health - Life and Spirit in Africa*". National Arts Exhibition. Fort Selwyn Monument Hill. Grahamstown. 1 June - 9 July 2005.

Cocks,ML and Dold,AP. Designer. "*Imithi yesiXhosa – Plants for Health, Life, and Spirit in Africa*". South African National Arts Festival. Fort Selwyn. Grahamstown. 30 June - 29 July 2005.

Cocks,ML and Dold,AP. Designer. "Imithi yesiXhosa - Plants for Health - Life and Spirit in Africa". BayWorld Museum. Port Elizabeth. 1 - 30 November 2005.

Cocks,ML and Dold,AP. Designer. "Imithi yesiXhosa – Plants for Health, Life, and Spirit in Africa". South African National Arts Festival. Port Elizabeth Museum (BayWorld). Port Elizabeth. 29 November 2005 - 30 June 2006.

OVERSEAS RESEARCH OR FURTHER STUDY

Møller,V

Møller,V. Sanata Dharma University, Yogyakarta, Indonesia. Cultural Course. 7 - 21 February 2005.

DISTINGUISHED VISITORS

Professor J L Bernheim. Vrije Universiteit, Brussel Belgium. Joint research and seminar. November 2005.

Professor H Finkenflügel. Erasmus Medical Center, Rotterdam The Netherlands. Doing research. September 2005.

Professor L Niehaus. University of Pretoria. Seminar. October 2005.

Dr. M Sully. Murdoch University, Perth Australia. Research and seminar. August - September 2005.

JOURNAL SUBSIDY UNITS

INSTITUTE FOR SOCIAL AND ECONOMIC RESEARCH	UNITS
Cocks,ML	
<i>Paumgarten,F, Shackleton,CM and Cocks,ML. "Growing of trees in home-gardens by rural households in the Eastern Cape and Limpopo provinces, South Africa". International Journal of Sustainable Development and World Ecology. 2005. 12,1-19.</i>	0.33
Møller,V	
<i>Møller,V. "Resilient or resigned? Criminal victimisation and quality of life in South Africa". Social Indicators Research. 2005. 72(3),263-317.</i>	1.00
<i>Møller,V. "Attitudes to food gardening from a generational perspective: A South African case study". Journal of Intergenerational Relationships: Programs, Policy And Research. 2005. 3(2),63-80.</i>	1.00
TOTAL FOR INSTITUTE FOR SOCIAL AND ECONOMIC RESEARCH	2.33

INSTITUTE FOR THE STUDY OF ENGLISH IN AFRICA

Despite the pressures of two new teaching programmes, the Institute enjoyed a productive research year. A highlight was the publication of Chris Mann's play *Thuthula: Heart of the Labyrinth*, by Ravan Press, with an historical introduction by the Director. The play dramatises a seminal South African story whose ramifications still echo in the country's current socio-political formation. Laurence Wright continued developing the NRF-funded 'Southern Hemisphere Spread of Shakespeare' research and publication programme, with two plenary papers at different conferences exploring the academic and philosophical rationale for pursuing early modern studies in South Africa, and a preliminary article on Welcome Msoni's *Umabatha*. Documentary materials for the South African Shakespearean performance database are coming together in an embarrassment of riches. To date, materials have been sourced from King William's Town, Kimberley, Pietermaritzburg, and Cape Town. A special session on the project will take place at the World Shakespeare Congress in Brisbane in July 2006. During *Wordfest 2005*, Laurence Wright launched the special 30th anniversary edition of the Institute's scholarly journal *English in Africa* on the Eastern Cape writer R.L. Peteni, which he wrote and compiled. A full-colour exhibition, designed by Susan Abraham, accompanied the launch, which was attended by members of the Peteni family. Professor Wright is also engaged in publishing a series of articles on the importance of the humanities in South Africa.

Alan Macintosh Fellow Margie Probyn has completed the fieldwork for her NRF-funded 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 three township schools in Mdantsane, in the East London district. Five consecutive lessons for each teacher were videotaped and the teachers were interviewed, using the videotapes for stimulated recall. Learners completed questionnaires on their language practices at home and at school. The last fieldwork trip was completed in May 2005. The lesson transcription is complete and lesson analysis is under way. This project will be completed in 2006.

Cossie Rasana is publishing papers based on her M.Ed research. During the year, she completed a survey of school library holdings in three Grahamstown secondary 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 PhD studies with a view, later, to designing a local intervention programme. In May 2005 she participated in the PIRLS 2006 National Option English Assessment instrument review for Grade 4 learners.

Monica Hendricks completed her doctoral research through the University of the Witwatersrand into how children learn to write in additional languages (Afrikaans, English and isiXhosa) in primary school. The thesis, entitled 'Writing Practices in additional languages in Grade 7 classes in the Eastern Cape Province,' is currently being examined.

In contributions to books, Margie Probyn produced a chapter on 'Language and Education in South Africa' for a forthcoming collection on *Decolonisation, Globalization: Language-in-Education Policy and Practice*, while Monica Hendricks wrote on 'Achieving Excellence and Equity in Education' for the *National Society for the Study of Education Yearbook 2006*. Rhodes Professor of Poetry, Chris Mann, continues to publish prolifically in a wide range of publications, some of which qualify for research subsidy. An excerpt from his verse-drama, *Walking on Gravity*, appeared in the collection *Dante in Africa*, edited by Patrick Cullinan and Stephen Watson. The issue of the status of creative work in the subsidy formula for University funding remains unclear.

ISEA staff delivered 9 conference presentations or public lectures over the year. In addition to book chapters, numerous scholarly reviews and pedagogical pieces, 10 peer-reviewed research articles were either published or in press in the period, together with 4 papers in peer-reviewed conference proceedings.

PROFESSOR L. WRIGHT
DIRECTOR

BOOKS/CHAPTERS/MONOGRAPHS

Mann,CM

Mann,CM. In: Beautiful Lofty Things. Grahamstown Cathedral. Grahamstown. 2005. 1-36.

Mann,CM. "Cookhouse Station". In: Opland, J (eds) The Dassie and the Hunter. University of KwaZulu-Natal Press. Maritzburg. 2005. 323-324.

Mann,CM. "In Praise of the Shades". In: Malan, R (eds) Worldscapes. Oxford University Press. Cape Town. 2005. 197-198.

Mann,CM. "In Praise of the Shades". In: Opland, J (eds) The Dassie and the Hunter. University of KwaZulu-Natal Press. Maritzburg. 2005. 321-322.

Mann,CM. Thuthula. Raven-Macmillan. Johannesburg. 2004. 121 pp.

Mann,CM. "To Guy Butler". In: Opland, J (eds) The Dassie and the Hunter. University of KwaZulu-Natal Press. Maritzburg. 2005. 320-321.

Mann,CM and *Skeen,J.* "Walking on Gravity". In: Cullinan,P and Watson, S (eds) Dante in South Africa. Centre for Creative Writing, UCT. Cape Town. 2005. 38-44.

Probyn,MJ

Probyn,MJ. "Language and the struggle to learn: the intersection of classroom realities, language policy, and neo-colonial and globalisation discourses in South African schools". In: Lin,MY and Martin, PW (eds) Decolonisation, globalisation: Language-in-Education Policy and Practice. Multilingual Matters. Clevedon. 2005. 153-169.

Rasana,NH

Rasana,NH. "The Reading Preferences of Grade 11 ESL Learners in the Eastern Cape, South Africa". In: Parry,K, Andema,S and Tumusiime, L (eds) Teaching Reading in African Schools. Fountain Publishers for the International Reading Association. Kampala, Uganda. 2005. 1, 287-304.

Wright,LS

Wright,LS. "Introduction". In: Thuthula: Heart of the Labyrinth. Ravan Press. Johannesburg. 2005. 5-18.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Mann,CM

Mann,CM. "Antlion". *Scrutiny* 2. 2005. 10(1),56-57.

Mann,CM. "Cut-worm". *Scrutiny* 2. 2005. 10(1),58.

Mann,CM. "Kudu". *Scrutiny* 2. 2005. 10(1),59.

Mann,CM. "Salmon". *Scrutiny* 2. 2005. 10(1),60.

Mann,CM. "Silverfish". *Scrutiny* 2. 2005. 10(1),61.

Probyn,MJ

Probyn,MJ. "Learning science through the medium of English: what do Grade 8 learners say?". *Southern African Linguistics and Applied Language Studies*. 2005. 23(4),369-392.

Wright,LS

Wright,LS. "Umabatha: Global and Local". *English Studies in Africa*. 2004. 47(2),97-114.

Wright,LS. "Renovating the Humanities for South Africa". *South African Journal of Higher Education*. 2005. 19(3),539-554.

OTHER PUBLICATIONS

ISEA

ISEA. Warren, C (eds) *Aerial*. ISEA. Grahamstown. 2005. 1-81.

ISEA. Renard, A (eds) *An Educated Point of View*. ISEA. Grahamstown. 2005. 1-92.

ISEA. Mackenzie, C (eds) *English in Africa*. ISEA. Grahamstown. 2004. 31(2), 1-188.

ISEA. Mackenzie, C (eds) *English in Africa*. ISEA. Grahamstown. 2005. 32(1), 1-152.

ISEA. Finlay, A (eds) *New Coin Poetry*. ISEA. Grahamstown. 2004. 40(1), 1-94.

ISEA. Finlay, A (eds) *New Coin Poetry*. ISEA. Grahamstown. 2004. 40(2), 1-90.

ISEA. Finlay, A (eds) *New Coin Poetry*. ISEA. Grahamstown. 2005. 41(1), 1-68.

ISEA. Pearce, B (eds) *Shakespeare in Southern Africa*. ISEA. Grahamstown. 2004. 16, 1-108.

ISEA. Slinger, H (eds) *Shakespeare Society of Southern Africa Newsletter incorporating Occasional Papers & Reviews*. ISEA. Grahamstown. 2005. (December), 1-32.

ISEA. Rasana, C and Wright, L (eds) *Writing is Fun*. ISEA. Grahamstown. 2005. (Issue 6), 1-8.

ISEA. Rasana, C and Wright, L (eds) *Writing is Fun*. ISEA. Grahamstown. 2005. (Issue 7), 1-12.

Mann, CM

Mann, CM. "A Field in Italy". *Al-Mada*. 2004. (46), 115-122.

Mann, CM. "Cicada". *Carapace*. 2005. (52), 15.

Mann, CM. "Sheep". *Carapace*. 2005. (52), 21.

Mann, CM. "The Road to Emmaus". *Christianity and Literature*. 2004. 54(1), 149-150.

Mann, CM. "Mandela's Cell". *Mail and Guardian*. 2005. 17.

Wright, LS

Wright, LS. "Twelfth Night at the Mannville Open Air Theatre". *Shakespeare in Southern Africa*. 2004. 16, 69-70.

Wright, LS. "The Marowitz Hamlet". *Shakespeare in Southern Africa*. 2004. 16, 73-74.

Wright, LS. "Bollywood Twelfth Night". *Shakespeare in Southern Africa*. 2004. 16, 74-75.

Wright, LS. "Richard W. Schoch: Shakespeare's Victorian Stage". *Shakespeare in Southern Africa*. 2004. 16, 98-100.

Wright, LS. "So you want to be a model?". *Writing is Fun*. 7, 10.

Wright, LS. "Some thoughts on teaching literature". *Writing is Fun*. 7, 10.

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

i. Local Conferences (Within South Africa)

Hendricks, MG

Hendricks, MG. "An analysis of the quantity and quality of Grade 7 learners' writing". *The Right to Read and Write*. Nelson Mandela Metropolitan University, Port Elizabeth. May 2005.

Hendricks, MG. "A linguistic analysis of a Grade 7 learner's writing: Capitalising on the dullness of the data". *Kenton Education Conference*. Mpekweni Beach Resort, Mpekweni. October 2005. 41.

Probyn, MJ

Probyn, MJ. "Developing a Culture of Reading in Rural Eastern Cape Schools". *Right to Read and Write Conference*. NMMU, Port Elizabeth. May 2005.

Probyn, MJ. "Developing a culture of reading in classrooms". *Annual Conference of the Kenton Education Association*. Mpekweni Beach Resort, Mpekweni. October 2005.

Wright, LS

Wright, LS. "Re-positioning Renaissance Studies in South Africa". *Association Old University English Teachers in South Africa*. University of Cape Town, July 2005.

Wright, LS. "Disgrace and the Humanities in South Africa". *15th International Conference of the English Academy*. University of Cape Town, July 2005.

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

ii. International Conferences (Outside South Africa)

Probyn, MJ

Probyn, MJ. "Learning science through two languages in South Africa". *Proceedings of the 4th International Symposium on Bilingualism*. Arizona State University, Tempe. USA. 2005. 1855-1873.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS ETC.

Hendricks, MG

Hendricks, MG. Presenter. "Reforms in the SA education system post-1994, highlighting the changes and the ongoing inequalities". UNESCO Progress towards the goals of Education for All in South Africa. Reuters Building. Grahamstown. 1 - 15 September 2005.

Mann, CM

Mann, CM. Poet. "Dicynodont". Albany Science Museum. Grahamstown. 1 January - 31 December 2005.

Mann, CM. Poet and Performer. "Heartlands". University of Johannesburg. Johannesburg. 1 - 28 February 2005.

Mann, CM. Poet and Performer. "Heartlands". University of Pretoria. Pretoria. 1 - 2 March 2005.

Mann, CM. Poet and Performer. "Heartlands". Wits University. Johannesburg. March 2005.

Mann, CM. Poet and Performer. "Heartlands". University of Cape Town. Cape Town. 1 - 10 July 2005.

Mann, CM. Poet and Performer. "Selected Poems". Probis Society Highlanders. Grahamstown. 1 - 10 July 2005.

Mann, CM. Poet and Performer. "Beautiful Lofty Things". National Arts Festival. Grahamstown Cathedral. Grahamstown. 1 - 5 July 2005.

Mann, CM. Poet and Performer. "Beautiful Lofty Things". National Arts Festival. Grahamstown Cathedral. Grahamstown. 1 - 3 July 2005.

Mann, CM. Poet and Performer. "Heartlands". Glenwood Boys High. Durban. 1 - 16 September 2005.

Mann, CM. Poet and Performer. "Heartlands". Glenwood Boys High. Durban. 1 - 16 September 2005.

Mann,CM. Poet and Performer. *"Heartlands"*. Hilton Arts Festival. Hilton. 1 - 17 September 2005.

Mann,CM. Poet and Performer. *"Lifelines"*. Albany Museum. Grahamstown. 1 - 9 September 2005.

Mann,CM. Poet and Performer. *"Heartlands"*. University of KwaZulu-Natal. Durban. 1 - 12 September 2005.

Mann,CM. Poet and Performer. *"Heartlands"*. Durban Girls College. Durban. 1 - 13 September 2005.

Mann,CM. Poet and Performer. *"Heartlands"*. Northlands Girls High. Durban. 1 - 13 September 2005.

Mann,CM. Poet and Performer. *"Heartlands"*. Westville Girls High. Durban. 1 - 14 September 2005.

Mann,CM. Poet and Performer. *"Heartlands"*. St Johns DSG. Maritzburg. 1 - 15 September 2005.

Mann,CM. Poet and Performer. *"Heartlands"*. Hogsback Arts Festival. Hogsback. 1 - 2 October 2005.

Mann,CM. Poet and Performer. *"Heartlands"*. Lit. Tourism Colloquium. Durban. 1 - 25 November 2005.

Wright,LS

Wright,LS. Producer. *"Shakespeare SA production of The Winter's Tale"*. Tour of Eastern Cape. July - August 2005.

JOURNAL SUBSIDY UNITS

INSTITUTE FOR THE STUDY OF ENGLISH IN AFRICA	UNITS
Mann,CM	
Mann,CM. "Antlion". <i>Scrutiny 2</i> . 2005. 10(1),56-57.	1.00
Mann,CM. "Cut-worm". <i>Scrutiny 2</i> . 2005. 10(1),58.	1.00
Mann,CM. "Kudu". <i>Scrutiny 2</i> . 2005. 10(1),59.	1.00
Mann,CM. "Salmon". <i>Scrutiny 2</i> . 2005. 10(1),60.	1.00
Mann,CM. "Silverfish". <i>Scrutiny 2</i> . 2005. 10(1),61.	1.00
Probyn,MJ	
Probyn,MJ. "Learning science through the medium of English: what do Grade 8 learners say?". <i>Southern African Linguistics and Applied Language Studies</i> . 2005. 23(4),369-392.	1.00
Wright,LS	
Wright,LS. "Umabatha: Global and Local". <i>English Studies in Africa</i> . 2004. 47(2),97-114.	1.00
Wright,LS. "Renovating the Humanities for South Africa". <i>South African Journal of Higher Education</i> . 2005. 19(3),539-554.	1.00
TOTAL FOR INSTITUTE FOR THE STUDY OF ENGLISH IN AFRICA	8.00

INSTITUTE FOR WATER RESEARCH

During 2005 the Institute staff contributed to 4 papers in international journals, with approximately 13 more in press. More than 10 research or consultancy reports were produced, as well as a number of paper presentations at local and international conferences.

Hydrology Group

During 2005 the IWR advertised for postgraduate students and received a number of applications from outside the country, but very few from potential students from South Africa. These students are to be supported through bursaries offered by the IWR using funds generated from consultancy or research projects. After a selection process involving members of the Board of Control, it was decided to offer one PhD bursary (R45 000 plus all academic fees) and one MSc bursary (R35 000 plus all academic fees) to two students from Zimbabwe. The details of the projects that these students will work on have yet to be finalised, but they will be focussed on hydrological model applications in the SADC region.

Ecology Group

Since Professor O'Keeffe left the IWR at the end of 2004, the only member of this group is a post doctoral staff member, Dr. Nick Rivers-Moore. He has been supported by a NRF bursary and has been working on the impacts of modified flows on blackfly in the Great Fish River. He has also been developing proposals for a broader scale inter-disciplinary study relating hydrology, ecology, water quality and health.

Wetlands Group

Lil Haigh has been chairing the Eastern Cape Wetland Forum and has presented 'Ecology for all' courses to rural communities.

Unilever Centre for Environmental Water Quality

UCEWQ continues to attract students, contribute to professional short courses and collaborate with various groups, both within Rhodes as well as with other organisations.

Postgraduate students

The following students are either registered in the IWR, or are supervised or co-supervised by IWR staff.

Graduated in 2005

Patrick Valimba: PhD (Rainfall variability in southern Africa, its influences on streamflow variations and its relationships to climatic variations).

Elenestina Mwela: MSc with Distinction (The application of the monthly time step Pitman rainfall-runoff model to the Kafue River basin of Zambia).

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).

Nhlanhla Mbatha: MA (Defining relationships between individual environmental economic values, property rights and participation trends for integrated water resource management: Kat River case study).

Samantha Browne: MSc (Salinity tolerances of selected South African freshwater macroinvertebrates).

Expected to graduate in 2006

Marius Claassen: PhD (The development and application of ecological risk assessment in South African water resource management).

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).

Pumza Maseti: MSc (Evaluating the usefulness of three biomonitoring indices in two contrasting catchments of the Eastern Cape).

Registered for 2006

Irene Naigaga: PhD (co-supervisor) (Use of bioindicators and biomarkers to assess aquatic environmental contamination in selected wetlands receiving urban runoff). First registered in 2003.

Andrew Gordon: PhD (Investigating the potential of chemical biomarkers for determining chronic effects of linear alkylbenzene sulphonate (LAS) on an indigenous invertebrate). First registered in 2005.

Pearl Gola: PhD (Use of Algae in toxicity testing). First registered in 2006.

Tendai Sawunyama: PhD (Hydrological modelling, proposal in preparation). First registered in 2006.

Evison Kapangaziwiri: MSc (Parameter identification in hydrological modelling). First registered in 2006.

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.

Naomi Richardson: MSc (Biomonitoring of estuarine fish). First registered in 2006.

PROFESSOR D. HUGHES
DIRECTOR

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Hughes,DA

Hughes,DA. "Hydrological issues associated with the determination of environmental water requirements of ephemeral rivers". *River Research and Applications*. 2005. 21,899-908.

Palmer,CG

Kefford,BJ, *Palmer,CG*, Jooste,S, Warne,M and Nugegoda,D. "What is Meant by "95% of Species"? An Argument for the Inclusion of Rapid Tolerance Testing". *Human and Ecological Risk Assessment*. 2005. 11(5),1025-1046.

Kefford,BJ, *Palmer,CG* and Nugegoda,D. "Relative salinity tolerance of freshwater macroinvertebrates from the south-east Eastern Cape, South Africa compared with the Barwon Catchment, Victoria, Australia". *Marine and Freshwater Research*. 2005. 56(2),163-171.

Palmer,CG and Pakhomova,L

Kefford,BJ, *Palmer,CG*, *Pakhomova,L* and Nugegoda,D. "Comparing test systems to measure the salinity tolerance of freshwater invertebrates". *Water SA*. 2004. 30(4),499-506.

Palmer,CG, Muller,WJ and Sherman,P-A

Palmer,CG, Rossouw,N, *Muller,WJ* and *Sherman,P-A*. "The development of water quality methods within ecological Reserve assessments, and links to environmental flows". *Water SA*. 2005. 31(2),161-170.

Rivers-Moore,NA and Weeks,DC

Rivers-Moore,NA, Jewitt,GPW and *Weeks,DC*. "Derivation of quantitative management objectives for annual instream water temperatures in the Sabie River using a biological index". *Water SA*. 2005. 31(4),473-481.

JOURNAL SUBSIDY UNITS

INSTITUTE FOR WATER RESEARCH	UNITS
Hughes,DA	
<i>Hughes,DA</i> . "Hydrological issues associated with the determination of environmental water requirements of ephemeral rivers". <i>River Research and Applications</i> . 2005. 21,899-908.	1.00
Palmer,CG	
Kefford,BJ, <i>Palmer,CG</i> , Jooste,S, Warne,M and Nugegoda,D. "What is Meant by "95% of Species"? An Argument for the Inclusion of Rapid Tolerance Testing". <i>Human and Ecological Risk Assessment</i> . 2005. 11(5),1025-1046.	0.20
Kefford,BJ, <i>Palmer,CG</i> and Nugegoda,D. "Relative salinity tolerance of freshwater macroinvertebrates from the south-east Eastern Cape, South Africa compared with the Barwon Catchment, Victoria, Australia". <i>Marine and Freshwater Research</i> . 2005. 56(2),163-171.	0.34
Palmer,CG and Pakhomova,L	
Kefford,BJ, <i>Palmer,CG</i> , <i>Pakhomova,L</i> and Nugegoda,D. "Comparing test systems to measure the salinity tolerance of freshwater invertebrates". <i>Water SA</i> . 2004. 30(4),499-506.	0.50
Palmer,CG, Muller,WJ and Sherman,P-A	
<i>Palmer,CG</i> , Rossouw,N, <i>Muller,WJ</i> and <i>Sherman,P-A</i> . "The development of water quality methods within ecological Reserve assessments, and links to environmental flows". <i>Water SA</i> . 2005. 31(2),161-170.	0.75
Rivers-Moore,NA and Weeks,DC	
<i>Rivers-Moore,NA</i> , Jewitt,GPW and <i>Weeks,DC</i> . "Derivation of quantitative management objectives for annual instream water temperatures in the Sabie River using a biological index". <i>Water SA</i> . 2005. 31(4),473-481.	0.67
TOTAL FOR INSTITUTE FOR WATER RESEARCH	3.46

INVESTEC BUSINESS SCHOOL

The Rhodes Investec Business School (RIBS) is in a unique situation in that it only has one full-time academic member of staff, namely, the Director. While the University has ruled that research produced by members of Rhodes staff who teach on the RIBS MBA programme should be shared with RIBS, this proves difficult to implement. Mr. Noel Pearse has been appointed to a Senior Lecturer position in RIBS from 1 July. One of his responsibilities will be the management of the Research activities of the School, and as a result, RIBS looks forward to greater research productivity in future years. RIBS currently has 67 MBA students registered across the first, second and third years of the programme. With Mr. Pearse responsible for research output in the School, the objective in the future is to convert five MBA dissertations into subsidy earning publications per year. Ten MBA students are expected to graduate in April 2006.

PROFESSOR G. STAUDE
DIRECTOR

DISTINGUISHED VISITORS

Mr. G Frazer. Microsoft (South Africa), Johannesburg. Business Forum Presentation. January 2005.

Mr. R Khoza. Eskom, Johannesburg. Business Forum Presentation. June 2005.

Ms. N Newton-King. Johannesburg Securities Exchange, Johannesburg. Business Forum Presentation. June 2005.

Mr. C Sunter. Anglo American Chairman's Fund, Johannesburg. Business Forum Presentation. November 2005.

Mr. K Wakeford. Eastern Cape Development Corporation, East London. Business Forum Presentation. November 2005.

JOURNAL SUBSIDY UNITS

INVESTEC BUSINESS SCHOOL	UNITS
TOTAL FOR INVESTEC BUSINESS SCHOOL	0.00

JOURNALISM AND MEDIA STUDIES

Of the 20 fulltime 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 15 to the teaching of primarily production-based courses (television, radio, print, new media, photojournalism, and design). The research output figures for 2005 indicate that staff teaching media theory were responsible for book chapters and journal publications, while the production teachers were responsible for creative works.

One book, and 3 book chapters were published in 2005. While there were no articles published in peer reviewed journals, a number of articles were published in technical publications and the mass media. Our conference participation was strong, with 38 papers presented at a broad range of academic and professional meetings throughout the year. At the same time, 8 teaching staff were in the process of studying for higher degrees in 2005

At the start of 2006 we have 53 MA and 2 PhD students registered in our department. We expect six or seven to graduate in April 2006.

Other highlights include:

- The department successfully convened the 9th Highway Africa conference which represents the continent's largest annual gathering of African media professionals.
- The department organised a colloquium of academics to discuss teaching and curriculum design in the fields of journalism and media studies.
- *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 25 inserts and two documentaries for SABC Africa during the National Arts Festival.
- *Cuepix* marketed Festival photographs online to local and national media including, Daily Dispatch and Mail & Guardian.
- The New Media Lab, a unit of the department, launched its comprehensive multimedia coverage of the National Arts Festival in July, a website (<http://xanni.ru.ac.za>) which showcased the talent at the festival. The website explores the impact of 10 years of democracy in the arts and comprises video and audio broadcasts as well as multimedia slideshows and the entire material published in *Cue*.
- The Department took part in a regional initiative to foster more informed reporting, particularly in relation to the Southern African Development counties. Jeanne Prinsloo produced the concept document that informed this learning programme as well as the draft curriculum.
- A student-written community newspaper, "the Junction", was edited by Rod Amner and published as a supplement in Grocott's Mail.
- New Media Lab students travelled to Johannesburg and produced the "99% live" blog-site of the Creative Commons conference.

PROFESSOR L. STRELITZ
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Berger,G

Berger,G. Berger, G (eds). Media legislation in selected African countries: a research study for Unesco. 2005.

Berger,G. Berger, G (eds). Doing digital journalism. How Southern African newsgaterers are using ICT. Rhodes University New Media lab and Highway Africa. Grahamstown. 2005.

Berger,G. Berger, G (eds). Absent voices, missed opportunities. Media silence on ICT policy issues in six African countries. Rhodes University New Media Lab and Highway Africa. 2005. 115 pp.

Garman,A

Garman,A. Garman, A (eds). Rhodes Journalism Review. Department of Journalism and Media Studies. Grahamstown. 2005. 25 January.

Prinsloo,J

Prinsloo,J. "Where have all the fathers gone? Media(ted) representations of fatherhood". In: Richter,L and Morrell, R (eds) Baba? Men and Fatherhood in South Africa. HSRC Press. Pretoria. 2005. 132-144.

Strelitz,L

Strelitz,L. Mixed reception. South African youth and their experience of global media. UNISA Press. Pretoria. 2005. 141 pp.

OTHER PUBLICATIONS**Berger,G**

Berger,G. "Current challenges". Hadland, A (eds) Changing the Fourth Estate. Essays on South African Journalism. HSRC Press. Cape Town. 2005. 19-26.

Berger,G. "Coming soon is the anniversary of the dark day when apartheid Justice Minister Jimmy Kruger outlawed three newspapers". Daily Dispatch. 2005.

Berger,G. "Converse (newspaper column)". Mail and Guardian. 2005.

Berger,G. "Harnessing Newsroom Knowledge". Rhodes Journalism Review. 2005. 25, 22.

Berger,G. "Information society needs radio and TV". WSIS Tunis Agenda. 2005. November.

Berger,G. "Journalists must grapple with a new info arena says prof". WSIS Tunis Agenda. 2005. November.

Berger,G and Brand,R

Berger,G and Brand,R. "Imvume Ltd. V Mail & Guardian". 2005.

Garman,A

Garman,A and Mwale,P. "Book review: 'Black, White and Grey: ethics in South African Journalism', by Franz Kruger". Equid Novi. 2005. 26(1), 134-136.

Prinsloo,J and Strelitz,L

Prinsloo,J and Strelitz,L. "Theoretical framework: gender and media audience study". Rama,K and Morna, CL (eds) My views on the News. Gender Links. Johannesburg. 2005. 120-127.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****i. Local Conferences (Within South Africa)****Amner,R**

Amner,R. "Educating journalists for democracy and development: foregrounding 'reformist', 'alternative', and 'oppositional' journalisms in the Journalism and Media Studies Curriculum". *Colloquium: Taking Stock: ten years of journalism education and training*. Rhodes University, Grahamstown. June 2005.

Berger,G

Berger,G. *What to do with state controlled print media? A brainstorming exercise*. Knorhoek Guest House, Stellenbosch. May 2005.

Berger,G. "Media and Policy". *Highway Africa Conference. Reinforcing Journalism in the Information Society*. Rhodes University, Grahamstown. September 2005.

Berger,G. "Ideology, race, media, democracy and society - what role for the media in society?". *Media in society: transformation of the media in a society in transition*. Johannesburg. October 2005.

Berger,G. "Media missing the Convergene Bill". *Convergence South Africa Conference*. Indaba Hotel, Johannesburg. October 2005.

Christie,C

Christie,C. "Journalism and the University: the marketplace and the academy". *Colloquium: Taking Stock: ten years of journalism education and training*. Rhodes University, Grahamstown. June 2005.

Garman,A

Garman,A. "Teaching to produce 'interpretive communities' rather than just 'professionals'". *Colloquium: Taking Stock: ten years of journalism education and training*. Rhodes University, Grahamstown. June 2005.

Garman,A. *South African National Editors' Forum Council Meeting*. Rhodes University, Grahamstown. September 2005.

Garman,A. *9th Highway Africa Conference*. Rhodes University, Grahamstown. September 2005.

Garman,A and Prinsloo,J

Garman,A and Prinsloo,J. "Co-chaired the SADC roundtable about the development of a curriculum in regional politics". *Regional Roundtable for National Media Training Institutions*. Garden court, Johannesburg. March 2005.

Kabwato,C

Kabwato,C. *African Computing and Telecommunications Summit (ACT)*. Johannesburg, Johannesburg. October 2005.

Kabwato,C. *The Africa Editors' Forum foundation conference*. Johannesburg, Johannesburg. October 2005.

Kabwato,C. "A political economy of the Nigerian film industry". *Sociology Seminar Series*. Rhodes University, Grahamstown. October 2005.

Maher,V

Maher,V. "Social knowledge and trust: the semantic web and creative commons". *Commons Sense*. WITS, Johannesburg. May 2005.

Maher,V. "Mechanised audiences, social knowledge; the semantic web and the burden of responsibility for the we media". *WWW (Conference on World Wide Web applications) 2005*. Cape Town Convention Centre, Cape Town. August 2005. 3-11.

Maher,V. "Blogonomics: a critical framework for the study of the blogosphere". *Highway Africa 2005*. Rhodes University, Grahamstown. September 2005.

Malila,V

Malila,V. "Media as a key partner for civil society in the Information Society". *Community Informatics Research Network (CIRN) Conference*. Cape Town City Hall, Cape Town. August 2005.

Mdlongwa,F

Mdlongwa,F. *South African National Editors' Forum*. Rhodes University, Grahamstown. September 2005.

Mdlongwa,F. *African Editors' Forum*. Esselen Hall Kempton Park, Johannesburg. October 2005.

Milne,C

Milne,C. "Key editorial and business strategies: a case study of six community newspapers". Annual AGM of the Association of Independent Publishers. Sandton Sun and Towers conference centre, Johannesburg. September 2005.

Ndangam,L

Ndangam,L and Kanyegarire,A. "African media coverage of NEPAD: implications for an African journalism". 9th Highway Africa Conference. Rhodes University, Grahamstown. September 2005.

Prinsloo,J

Prinsloo,J. "Concept paper on SADC regional development and integration reporting training curriculum". Regional Roundtable for National Media Training Institutions. Garden Court, Johannesburg. March 2005.

Prinsloo,J. "A regional teaching and learning programme for media coverage of the SADC region?". Colloquium: Taking Stock: ten years of journalism education and training. Rhodes University, Grahamstown. June 2005.

Prinsloo,J. "Chair of session on Academic Literacy". National Annual Education Conference. Mpekwani, October 2005.

Strelitz,L

Strelitz,L. "Towards and understanding of African journalism". 9th Highway Africa Conference. Rhodes University, Grahamstown. September 2005.

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

Berger,G. "Why policies matter for engendering plural, profitable and sustainable media in Africa. A primer for media learners". Media management Seminar Series. Konrad-Adenauer-Stiftung, Maputo. Mozambique. February 2005.

Berger,G. "Research - a luxury?". Strategic round table discussion on information pluralism - challenges in the forthcoming 5 years. Panos Institute of West Africa, Dakar. Senegal. March 2005.

Berger,G. "Vision and image of the continent; produce and disseminate information on Africa at the regional and global level". Strategic round table discussion on information pluralism - challenges in the forthcoming 5 years. Panos Institute of West Africa, Dakar. Senegal. March 2005.

Berger,G. "Reconciling Editorial Independence and Public Accountability issues in Public Broadcasting Service: Editorial Policies at South African Broadcasting Corporation". Asia Media Summit 2005. Kuala Lumpur. Malaysia. May 2005.

Berger,G. "Modernisation and Africa's emerging engagement with the information society". Afro-GEEKS: Global blackness and the digital public sphere. University of California, Santa Barbara. USA. May 2005.

Berger,G. African Media Development Facility Meeting. Hotel Meridien, Dakar. Senegal. May 2005.

Berger,G. "World Democracy Report: Media In South Africa". World Democracy Report Conference. Konrad-Adenauer-Stiftung, Konigswinter. Germany. May 2005.

Berger,G. CNN-MultiChoice African Journalism Awards. Nairobi. Kenya. June 2005.

Berger,G. "Bananas, mangoes and Mrs Kabaki". Media Debate. Norfolk Hotel, Nairobi. Kenya. June 2005.

Berger,G. "Media's missing morals? It's mostly a matter of skill". *Media ethics and professionalism*. MISA, Windhoek. Namibia. August 2005.

Berger,G. "How does the Internet change journalism?". *World Summit on the Information Society*. Tunis. Tunisia. November 2005.

Berger,G. "Values, the media and poverty". *Conference of Caux initiatives for Business and International Communications Forum*. Panchgani. India. November 2005.

Berger,G. "King Content and the journalism curriculum". *Experts Consultative meeting on Journalism Education*. UNESCO, Paris. France. December 2005.

du Toit,P

du Toit,P. "The Training Needs of Southern African Managers". *KAS/SPMLI media management series - viability and profits in Africa: Developing markets*. Holiday Inn, Maputo. Mozambique. February 2005.

Kabwato,C

Kabwato,C. *Achieving Affordable Bandwidth*. Dakar. Senegal. November / December 2005.

Kabwato,C. "African media in the age of globalisation: what role, place and responsibilities". *Panos Institute of West Africa (PIWA) seminar on Citizen Communication Forum*. Bamako, Bamako. Mali. January 2006.

Kabwato,C. "Freedom of expression in cyberspace". *UNESCO*. UNESCO headquarters, Paris. France. February 2005.

Kabwato,C. *Africa Regional WSIS Conference*. Accra, Accra. Ghana. February 2005.

Kabwato,C. *World Summit on the Information Society (WSIS) preparatory committee meeting*. Geneva. Switzerland. September 2005.

Kabwato,C. "Civil society WSIS: what was and what's next". *Henrich Boell Foundation seminar: Towards a sustainable and inclusive Knowledge Society: how to get there from WSIS?*. Tunis. Tunisia. November 2005.

Kabwato,C. "Something about Highway Africa News Agency and HA training programme". *UNESCO Expert Meeting to Develop Education for Sustainable Media Training and Resource Kit*. Bangkok. Thailand. December 2005.

Maher,V

Maher,V. "ICT development in Africa". *What the Hack*. Liempde, Netherlands. July 2005.

Maher,V and Daniels,C. "Hacking animals, a history of existence as the practice of hacking". *What the Hack*. Liempde. Netherlands. July 2005.

Maher,V and Daniels,C. "Is blogging open-source journalism?". *What the Hack*. Liempde. Netherlands. July 2005.

Ndangam,L

Ndangam,L. "Trends in developing newspaper websites in Cameroon". *International Association for Media and Communication Research Conference*. Taipei. Taiwan. July 2005.

Prinsloo,J

Prinsloo,J. "King Mswati 111 of Swaziland: 'Democracy is not good for us'. The colonial legacy of tribal identity versus democratic practice". *Third International Conference, Language, Communication, Culture*. Universidade de Evora, Evora. Portugal. November 2005.

Strelitz,L

Strelitz,L. "South African youth and their experiences of global media". *New Directions in the Humanities*. Cambridge University, Cambridge. Britain. August 2005.

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

Berger,G. Presenter. *"The Media are a mess: why South African journalism is not doing its job"*. Winter School, National Arts Festival. Rhodes University. Grahamstown. July 2005.

Ndangam,L

Ndangam,L. Presenter. *"Free lunch? Virtual social networks and online publishing in Cameroon"*. JMS Research Seminar. Rhodes University. Grahamstown. September 2005.

DISTINGUISHED VISITORS

Mr. J Chiahemmen. Chief Correspondent for Reuters Southern Africa, Johannesburg. Lecture. 2005.

Mr. M Cohen. Cape Town correspondent for Bloomberg news Agency, Cape Town. Lecture. October 2005.

Dr. E Iroh. Nigeria State Radio, Nigeria. Lecture. 2005.

Professor L Switzer. School of Communication, University of Houston, Texas, USA. Lecture. October 2005.

JOURNAL SUBSIDY UNITS

JOURNALISM AND MEDIA STUDIES	UNITS
TOTAL FOR JOURNALISM AND MEDIA STUDIES	0.00

LAW

Papers delivered

The year got off to a flying start in January, with a strong contingent of seven staff attending the Congress of the Society of Law Teachers of Southern Africa in Bloemfontein. The following delivered papers: Jonathan Campbell (Teaching and Learning of Legal Drafting Skills in the LL.B Degree); Liz Davies, co-author, Gordon Barker, (A Reflection on the Impact of the Academic Review Process on the Law Faculty at Rhodes University); Graham Glover (Release and/or Waiver – a Terminological Solution); Rosaan Krüger (The use of Rape Trauma Syndrome Evidence in Criminal Cases); Wandisile Mandlana (The Quest for Effective Judicial Remedies for Violations of Socio-Economic Rights: *Mjeni a Giant Step Forward; Jayiya Two Steps Back, What Next?*). Rob Midgley gave the opening address.

Also in January, Gordon Barker and Rosaan Krüger delivered papers at the Second Annual Law Conference of the Universities of the Western Cape and Eastern Cape, held at Nelson Mandela Metropolitan University. Gordon's paper was entitled, "Aspects of student discipline at tertiary education institutions" while Rosaan spoke on battered wife syndrome evidence in criminal matters. In February Rosaan did another presentation, this time for the Rhodes Politics Department, on the impact of the disagreements in the judiciary following the difficulties experienced in the Cape High Court on the independence of the judiciary.

In March Richman Mqeke delivered a paper entitled "The Meaning of Constitutional Property in The New South Africa" at the Walter Sisulu University, and in April Jonathan Campbell presented a paper on integrating paralegal and other non-lawyer service providers, entitled, "Case study: a cluster for the Eastern Cape Province, South Africa" at the International Conference on Legal Aid in Port Elizabeth. Rob Midgley delivered an address at prize-giving ceremony for law students at the Nelson Mandela Metropolitan University. In November Wandisile Mandlana presented a paper in Potchefstroom at a *colloquium* on Good Governance and Chapter 9 Institutions.

Other research

The third edition of Van der Walt and Midgley *Principles of Delict* was published in January and this work was revised to become the Delict section in the second edition of LAWSA. Dave Holness played a major role in producing two Commercial Law textbooks, due at the end of the year. Graham Glover, Sarah Driver and Rosaan Krüger continue to update the *Family Law Service*, and Wandisile Mandlana and Clive Plasket contributed the Administrative Law section in the *Annual Survey*. In addition, 13 articles and/or chapters in books were published, or in print.

A number of our staff were involved in an Expert Evidence research project for the National Prosecuting Authority under the guidance of former staff member, Riekie Meintjes-van der Walt. Rosaan Krüger, Les Roberts, Annette van der Merwe (a PhD candidate) and Lunda Wright (a master's candidate) contributed chapters, while Sarah Driver and Helen Keep did the proof-reading.

The Law Faculties at Rhodes and Fort Hare have maintained good relationships over the years. A particularly successful joint project has been the resuscitation of the journal, *Speculum Juris*. This year saw significant changes to the management and production of the journal: in future Lexis-Nexis will be the publisher; and while Professor Osode from Fort Hare will continue to be the Managing Editor, Graham Glover has taken charge of the technical aspects. The journal is receiving quality contributions from leading researchers and the changes are bound to enhance the journal's reputation.

Other activity

Rob Midgley completed a third year on the National Research Foundation's Panel of Assessors and was also part of a committee that reviewed the research programme of the North West University's Faculty of Law.

Richman Mqeke is part of a collaborative project on Law-making in South Africa. South African academics are working with colleagues in Leiden, The Netherlands, while Wandisile Mandlana is part

of a consortium of staff from South African and European law faculties that has been awarded a grant by the South Africa Netherlands Research Programme on Alternatives in Development (SANPAD) to conduct research on Trans-boundary Environmental Governance in South Africa, Lesotho, Swaziland and Mozambique. He will participate in the project entitled 'Improving Transboundary Environmental Governance in South Africa, Lesotho, Swaziland and Mozambique: A Legal Analysis'.

PROFESSOR R. MIDGLEY
DEAN OF FACULTY

BOOKS/CHAPTERS/MONOGRAPHS

Glover,GB

Glover,GB. "Divorce". In: Clark, BJ (eds) Family Law Service Division D. Lexis Nexis Butterworths. Durban. 2005. 1-31.

Kruger,R

Kruger,R. "Comparative Discrimination (1) - The South African Perspective". In: Mooney Cotter,A-M and Moffatt, J (eds) Discrimination Law. Cavendish Publishing Ltd. UK. 2005. 221-235.

Kruger,R. "Family Law Procedures". In: Clark, BJ (eds) Family Law Service Division F. Lexis Nexis Butterworths. Durban. 2005. 1-73.

Midgley,JR

Midgley,JR. Midgley,JR and Van Der Walt, JC (eds). Principles of Delict. Butterworths. Durban. Third Edition. 2005. 300 pp.

Midgley,JR and Van der Walt,JC. "Delict". In: Joubert, WA (eds) The Law of South Africa. Butterworths. Durban. Second Edition. 2005. 8(1), 1-297.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Glover,GB

Glover,GB. "Duress in the Roman-Dutch Law of Obligations". *Fundamina: A Journal of Legal History*. 2005. 11,26-49.

Kerr,AJ

Kerr,AJ. "The Constitution, The Bill of Rights and the Law of Succession(1)". *Speculum Juris*. 2005. 19(2),185-205.

Meintjes-van der Walt,L

Du Plessis,M and *Meintjes-van der Walt,L*. "Forensic entomology: relevant to legal dispute resolution?". *Journal for Juridical Science*. 2004. 29(3),100-121.

Midgley,JR

Midgley,JR. "Environmental Monitoring Committees". *South African Journal of Environmental Law and Policy*. 2005. 12,37-55.

Midgley,JR. "Punching beyond its weight - The first hundred years of Rhodes University's Law Faculty". *Speculum Juris*. 2005. 19(2),247-256.

Beard,ML and *Midgley,JR*. "Therapeutic privilege within informed consent: A justified erosion of patient autonomy?". *Tydskrif Vir Hedendaagse Romeins-Hollandse Reg*. 2005. 68(1),51-68.

Van Coller,H

Van Coller,H. "Die funksionering van kerkttribunale in die lig van die eise van administratiewe geregtigheid". *Journal for Juridical Science*. 2005. 30(1),17-38.

Wakwa-Mandlana,W and Plasket,CM

Wakwa-Mandlana,W and *Plasket,CM*. "Administrative Law". *Annual Survey of South African Law*. 2004. 96-123.

OTHER PUBLICATIONS

Mqeke, RB

Mqeke, RB. "Apparent judicial disagreement on anti-eviction legislation: a comment on ABSA bank PPK v Murray and Another". Matlala, DM (eds) *Turf Law Review*. UL Print. Limpopo. 2005. 2(1), 57-65.

Plasket, CM

Plasket, CM. "The development of administrative justice in South Africa's constitutional democracy". Matlala, DM (eds) *Turf Law Review*. UL Print. Limpopo. 2005. 2(1), 1-9.

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

i. Local Conferences (Within South Africa)

Kruger, R

Kruger, R. "Prosecutorial use of Rape Trauma Syndrome expert evidence". *Southern African Law Teachers Association*. University of UOFS, Bloemfontein. January 2005.

Kruger, R. "Forgive them for they are victims". NMMU, Port Elizabeth. January 2005.

Mandlana, W

Mandlana, W. "Quest for Effective Judicial Remedies for Violations of Constitutional Rights: Mjeni a Giant Step Forward; Jayiya Two Steps Back, What next?". *Southern African Law Teachers Association*. University of UOFS, Bloemfontein. January 2005.

Mandlana, W. "The Advocacy Role of Chapter 9 Institution: Human Rights Awareness and Advancing the Role of Public in Policy Making: A Critical Analysis". *Colloquium on Good Governance and the Constitution*. City Council Chambers, Potchefstroom. November 2005.

JOURNAL SUBSIDY UNITS

LAW	UNITS
Glover, GB	
<i>Glover, GB.</i> "Duress in the Roman-Dutch Law of Obligations". <i>Fundamina: A Journal of Legal History</i> . 2005. 11,26-49.	1.00
Kerr, AJ	
<i>Kerr, AJ.</i> "The Constitution, The Bill of Rights and the Law of Succession(1)". <i>Speculum Juris</i> . 2005. 19(2),185-205.	1.00
Meintjes-van der Walt, L	
<i>Du Plessis, M and Meintjes-van der Walt, L.</i> "Forensic entomology: relevant to legal dispute resolution?". <i>Journal for Juridical Science</i> . 2004. 29(3),100-121.	1.00
Midgley, JR	
<i>Midgley, JR.</i> "Environmental Monitoring Committees". <i>South African Journal of Environmental Law and Policy</i> . 2005. 12,37-55.	1.00
<i>Midgley, JR.</i> "Punching beyond its weight - The first hundred years of Rhodes University's Law Faculty". <i>Speculum Juris</i> . 2005. 19(2),247-256.	1.00
<i>Beard, ML and Midgley, JR.</i> "Therapeutic privilege within informed consent: A justified erosion of patient autonomy?". <i>Tydskrif Vir Hedendaagse Romeins-Hollandse Reg</i> . 2005. 68(1),51-68.	1.00
Van Coller, H	
<i>Van Coller, H.</i> "Die funksionering van kerktribunale in die lig van die eise van administratiewe geregtigheid". <i>Journal for Juridical Science</i> . 2005. 30(1),17-38.	1.00
Wakwa-Mandlana, W and Plasket, CM	
<i>Wakwa-Mandlana, W and Plasket, CM.</i> "Administrative Law". <i>Annual Survey of South African Law</i> . 2004. 96-123.	1.00
TOTAL FOR LAW	8.00

MANAGEMENT

The Department of Management during 2005 continued to focus on developing the research skills of students through the integration of specific research outcomes into each year from first-year to fourth-year.

At the fourth-year level, students are required to submit either a business report or a research paper and a full research module runs throughout the year to support and develop the ability of students to deliver quality research. This fourth-year research programme is an important provider of research output for the Department, which can be presented at conferences and published. Evidence of this is that during 2005 papers based on fourth-year research were presented at an industry conference and an international conference.

The fourth-year Honours programme together with the Post Graduate Diploma in Enterprise Management (PDEM) are two important programmes from which Master's students can be recruited. The Department took active steps to recruit Master's students from the 2005 fourth-year Honours and PDEM programmes, resulting in a total of 6 Master's students being recruited from these programmes. An additional three Master's students have registered with the Department from other institutions resulting in a total of nine Master's students for 2006. In addition the Department has three PhD students for 2006.

Two staff members, namely Noel Pearse and Sandra Musengi submitted their PhD theses at the end of 2005. In addition, Dr. Roger Elliott graduated with his PhD from the Department at the 2005 Graduation Ceremony. At the 2006 Graduation, the Department will be represented by a total of 130 graduates. This includes at least three Master's graduates and seventeen PDEM diplomates.

On the research output side staff published four articles in accredited journals, presented a paper at an international conference in Australia and were involved in co-authoring textbooks to be published in 2006.

MR. T. AMOS
ACTING HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Court,P

Adendorff,A, Court,P, Radloff,SE and Boshoff,C. "The impact of planning on good governance practices in South African Greek family businesses". *Management Dynamics: Contemporary Research Journal of The Southern Africa Institute for Management Scientists/Bestuursdinamika: Kontemporêre Navorsing Tydskrif Van Die Suider-Afrika Instituut Vir Bestuurwetenskaplikes.* 2005. 14(4),34-46.

Elliott,RM

Elliott,RM and Boshoff,C. "The Utilisation of the Internet to Market Small Tourism Businesses". *Management Dynamics: Contemporary Research Journal of The Southern Africa Institute for Management Scientists/Bestuursdinamika: Kontemporêre Navorsing Tydskrif Van Die Suider-Afrika Instituut Vir Bestuurwetenskaplikes.* 2005. 14(3),44-58.

Elliott,RM and Boshoff,C. "The Influence of Organisational Factors in Small Tourism Businesses on the Success of Internet Marketing". *South African Journal of Business Management.* 2005. 36(4),91-104.

Pearse,NJ

Pearse,NJ and Smith,C. "Theory generation: An illustration of the use of grounded theory in management research". *Management Dynamics: Contemporary Research Journal of The Southern Africa Institute for Management Scientists/Bestuursdinamika: Kontemporêre Navorsing Tydskrif Van Die Suider-Afrika Instituut Vir Bestuurwetenskaplikes.* 2005. 14(2),47-59.

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

ii. International Conferences (Outside South Africa)

Elliott,RM

Macedo,S and Elliott,RM. "The Effect of Web Site Features on Flow: An Exploratory Study". Australian and New Zealand Marketing Academy (ANZMAC) Conference. University of Western Australia, Freemantle. Australia. December 2005. 113-120.

JOURNAL SUBSIDY UNITS

MANAGEMENT	UNITS
Court,P	
<i>Adendorff,A, Court,P, Radloff,SE and Boshoff,C. "The impact of planning on good governance practices in South African Greek family businesses". Management Dynamics: Contemporary Research Journal of The Southern Africa Institute for Management Scientists/Bestuursdinamika: Kontemporêre Navorsing Tydskrif Van Die Suider-Afrika Instituut Vir Bestuurwetenskaplikes. 2005. 14(4),34-46.</i>	0.50
Elliott,RM	
<i>Elliott,RM and Boshoff,C. "The Utilisation of the Internet to Market Small Tourism Businesses". Management Dynamics: Contemporary Research Journal of The Southern Africa Institute for Management Scientists/Bestuursdinamika: Kontemporêre Navorsing Tydskrif Van Die Suider-Afrika Instituut Vir Bestuurwetenskaplikes. 2005. 14(3),44-58.</i>	0.50
<i>Elliott,RM and Boshoff,C. "The Influence of Organisational Factors In Small Tourism Businesses on the Success of Internet Marketing". South African Journal of Business Management. 2005. 36(4),91-104.</i>	0.50
Pearse,NJ	
<i>Pearse,NJ and Smith,C. "Theory generation: An illustration of the use of grounded theory in management research". Management Dynamics: Contemporary Research Journal of The Southern Africa Institute for Management Scientists/Bestuursdinamika: Kontemporêre Navorsing Tydskrif Van Die Suider-Afrika Instituut Vir Bestuurwetenskaplikes. 2005. 14(2),47-59.</i>	0.50
TOTAL FOR MANAGEMENT	2.00

MATHEMATICS (PURE AND APPLIED)

In 2005, our department hosted the 48th Annual Congress of the South African Mathematical Society. The last time that Rhodes University had hosted this congress was in 1984. Invited speakers at the congress included Professor Themba Dube (UNISA), Professor Johan de Villiers (University of Stellenbosch), Mr. Aarnout Brombacher (AMESA), Professor Edward Lungu (University of Botswana) and Professor Jennifer Key (Clemson University, North Carolina). There were delegates from the UK, Poland, Lesotho, Namibia, and Zimbabwe.

Our Department hosted a distinguished visitor, Professor Etienne Kerre from Gent, Belgium.

In July 2005, Professor S Mabizela was sponsored by the London Mathematical Society to attend the 70th Anniversary of the Chinese Mathematical Society.

In July 2005, Professor V Murali attended the “*Joint Conference on Information Sciences 2005*” held at the University of Utah, Salt Lake City, USA. Professor Murali contributed two papers at that conference.

Dr. P Matutu co-authored and submitted a research paper for publication in *Topology and its Applications*. In July 2005, she attended two conferences - one in Mexico and the other in the USA. In November 2005, she served as an independent assessor for the TELP 2 (Tertiary Education Linkages Project) conference on *Women and Research* held in Port Elizabeth.

Dr. G Lubczonok presented a paper at the annual SAMS congress.

Professor Mike Burton's collaboration with researchers in the faculty of pharmacy resulted in the submission of two papers and a PhD thesis, for which he was appointed co supervisor. Artificial neural networks, simulating the release of an active ingredient in a tablet, were constructed. They were then used to find a formulation of an inexpensive generic tablet.

Dr. C C Remsing submitted two research papers for publication.

One PhD and one Master's degrees were completed in the department in 2005. These students will be graduating in April 2006.

There are three fulltime and three part-time Master's students registered in the Department.

PROFESSOR S. MABIZELA
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Burton,MH

Jäger,G and *Burton,MH*. "Stratified L-Uniform Convergence Spaces". *Quaestiones Mathematicae*. 2005. 28(1),11-36.

Lubczonok,G

Frescura,FAM and *Lubczonok,G*. "Contact Structure with Basic Potential". *International Journal of Theoretical Physics*. 2005. 44,35-42.

Murali,V

Murali,V. "Equivalent Finite Fuzzy Sets and Stirling Numbers". *Information Sciences*. 2005. 174,251-263.

Makamba,BB and *Murali,V*. "Pinned-Flags of some Operations on Fuzzy Subgroups". *International Journal of Mathematics and Mathematical Sciences*. 2005. 23,3819-3826.

Murali,V and Makamba,BB. "Finite Fuzzy Sets". *International Journal of General Systems*. 2005. 34(1),61-75.

Murali,V and Makamba,BB. "Operations on Equivalent Fuzzy Subgroups". *Journal of Fuzzy Mathematics*. 2005. 13(3),731-746.

OTHER PUBLICATIONS

Mabizela,S

Mabizela,S. "70th Anniversary of the Chinese Mathematical Society". Chillingworth, DRJ (eds) The London Mathematical Society. London Mathematical Society. London. 2005. 341, 26-27.

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

i. Local Conferences (Within South Africa)

Burton,MH

Walker,RB, Patel,F and Burton,MH. "An alternative approach to the power law for the assessment of carbamazepine release from sustained release tablets". *26th Annual Congress of the Academy of Pharmaceutical Sciences*. Port Elizabeth, East Cape. September/October 2005.

Mabizela,S

Mabizela,S. *48th Annual Congress Of the South African Mathematical Society*. Rhodes University, Grahamstown. November 2005.

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

ii. International Conferences (Outside South Africa)

Mabizela,S

Mabizela,S. *70th Anniversary of Chinese Mathematical Society*. Shandong University, Weihai. China. July 2005.

Murali,V

Murali,V. "Inclusion-Exclusion Principle for Fuzzy Sets". *Proceedings of the 8th Joint Conference on Information Sciences*. Salt Lake City, Utah. USA. July 2005. 1. 33-36.

Makamba,BB and Murali,V. "Algorithms for Operations on Pinned-flags". *Proceedings of the 8th Joint Conference on Information Sciences*. Salt Lake City, Utah. USA. July 2005. 1. 25-28.

DISTINGUISHED VISITORS

Mr. A Brombacher. Association for Mathematical Education of South Africa (AMESA), Cape Town. Plenary Speaker. November 2005.

Professor R Curtis. University of Birmingham, UK. Invited lecturer. November 2005.

Professor J De Villiers. University of Stellenbosch, Cape Town. Plenary Speaker. November 2005.

Professor T Dube. University of South Africa, Johannesburg. Plenary Speaker. November 2005.

Professor EE Kerre. University of Gent, Belgium. Visiting Professor V Murali. December 2005.

Professor J Key. Clemson University, USA. Plenary Speaker. November 2005.

Professor E Lungu. University of Botswana, Botswana. Plenary Speaker. November 2005.

JOURNAL SUBSIDY UNITS

MATHEMATICS (PURE AND APPLIED)	UNITS
Burton,MH	
Jäger,G and <i>Burton,MH</i> . "Stratified L-Uniform Convergence Spaces". <i>Quaestiones Mathematicae</i> . 2005. 28(1),11-36.	0.50
Lubczonok,G	
Frescura,FAM and <i>Lubczonok,G</i> . "Contact Structure with Basic Potential". <i>International Journal of Theoretical Physics</i> . 2005. 44,35-42.	0.50
Murali,V	
<i>Murali,V</i> . "Equivalent Finite Fuzzy Sets and Stirling Numbers". <i>Information Sciences</i> . 2005. 174,251-263.	1.00
<i>Murali,V</i> and Makamba,BB. "Finite Fuzzy Sets". <i>International Journal of General Systems</i> . 2005. 34(1),61-75.	0.50
TOTAL FOR MATHEMATICS	2.50

MUSIC AND MUSICOLOGY

Two members of the department were directly involved with research, namely Dr. Diane Thram and Ms. Daniela Heunis. The former submitted a chapter in a book on media control and music nationalism in Zimbabwe as well as presenting a number of papers in both Rome and Cape Town on aspects of music and healing in Xhosa rituals today. Dr. Thram also submitted other conference papers in both London and Barcelona on the important role of Ethnomusicology today. Ms. Heunis, returning from a six month lecturer-exchange programme in Canada, delivered a paper in Honolulu on the changing roles of Folksong in contemporary compositions and arrangements.

Three other members of staff, namely Professor David Scarr, Ms. Catherine Foxcroft and Mr. Juan Munoz were all extremely active in various differing roles as performing musicians, adjudicators, instructors in masterclasses and workshops, as well as conducting ensembles both small and large. These activities took them to many major centres in South Africa, namely Cape Town, Stellenbosch, Johannesburg and Pretoria as well as more localised centres such as George, Knysna, Port Elizabeth and East London.

Juan Munoz was invited to perform in the international MIAGI Orchestra which performed in the State Theatre, Pretoria, the Johannesburg City Hall and in the Endler Hall in Stellenbosch. Catherine Foxcroft appeared as soloist in the Grieg Piano concerto with the Amateur Music Players in Johannesburg in a Farewell concert to Vice-Chancellor Dr. Woods and his wife. She also ran a series of Masterclasses with the Sontonga String Quartet and four leading Rhodes University students. Ms. Foxcroft adjudicated at the Grahamstown Eisteddfod and the ABSA National Music Competition in Port Elizabeth. As well as conducting this young orchestra David Scarr was invited to conduct the prestigious Schoenbrunn Palace Chamber orchestra in Vienna for a series of eight concerts in September.

Local highlights include the two annual Vice-Chancellor's concerts held traditionally in March and August as well as other events featuring some of our leading ensembles namely, the Rhodes University Orchestra (Juan Munoz), the Brass ensemble (David Scarr), the Co-Opera company (Gwyneth Lloyd), the Rhodes University Chamber Choir (Philip Burnett), the Rhodes University Big Band and Tentet (Gareth Walwyn) and the African Ensemble (Geoffrey Tracey).

At the end of the year Dr. Thram succeeded Professor Andrew Tracey as Director of the International Library of African Music. Dr. Tim Radloff is National President of the South African Society of Music Teachers.

Postgraduate Students in 2006:
MMus: 2;

Graduation April 2006:
MMus: 2

PROFESSOR T. RADLOFF
ACTING HEAD OF DEPARTMENT

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

i. Local Conferences (Within South Africa)

Radloff, T

Radloff, T. 83rd Annual General Conference of The South African Society of Music Teachers. Hilton College, KwaZulu-Natal. March/April 2005.

Thram, D

Thram, D. "Music and Healing: sites of power in the rituals of Xhosa healer-diviners and the Zion Church in South Africa". First Annual Conference of SAMUS and the Ethnomusicology Symposium. University of Cape Town, Cape Town. August 2005.

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

ii. International Conferences (Outside South Africa)

Heunis,D

Heunis,D. "Folk Songs in New Jackets". *Hawaii International Conference on Arts and Humanities*. Honolulu. USA. January 2005.

Thram,D

Thram,D. "Music and Healing: sites of power in the rituals of Xhosa healer-diviners and the Zion Church in South Africa". *British Forum for ethnomusicology*. University of London, London. UK. April 2005.

Thram,D. "Unofficial Censorship of Music in Zimbabwe". *13th Biennial Conference - Making Music Making Meaning*. University of Rome, Rome. Italy. July 2005.

Thram,D. "Facts About the International Library of African Music". *IASA Annual Conference: 'Archives Speak, Who Listens?'*. Biblioteca de Catalunya, Barcelona. Spain. September 2005.

CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

Foxcroft,C

Foxcroft,C. Instructor. "*Chamber Music Masterclasses with Sontonga and four Rhodes Students*". Chamber Music Masterclasses. Beethoven Room. Grahamstown. 1 - 23 April 2005.

Foxcroft,C. Adjudicator. "*Piano Section*". Grahamstown Eisteddfod. Settler's Monument. Grahamstown. 1 - 27 May 2005.

Foxcroft,C. Adjudicator. "*All Sections*". ABSA National Music Competition. NMMU. Port Elizabeth. 1 - 7 October 2005.

Foxcroft,C. Performer. "*Grieg Piano Concerto*". VC Farewell Concert. Linder Auditorium. Johannesburg, Austria. 2 October 2005.

Foxcroft,C and Munoz,JL

Foxcroft,C and *Munoz,JL.* Performer. "*Rhodes Piano Trio*". Concert. Grahamstown Music Society. Grahamstown. 1 - 4 March 2005.

Foxcroft,C and *Munoz,JL.* Performer. "*Rhodes Piano Trio*". Concert. George Music Society. George. 1 - 5 March 2005.

Foxcroft,C and *Munoz,JL.* Performer. "*Rhodes Piano Trio*". Concert. Port Elizabeth Cultura. Port Elizabeth. 1 - 7 August 2005.

Heunis,D

Heunis,D. Participant. "*Trevor Wye Flute Masterclasses*". Trevor Wye Flute Masterclasses. St Michaels school. Bloemfontein. 1 April - 2 May 2005.

Heunis,D. Performer. "*Farewell Concert*". Rev Glen Graig/s Farewell. Great Hall. Grahamstown. 1 - 28 May 2005.

Heunis,D. Adjudicator. "*Wind Section*". Eastern Cape Eisteddfod. Grahamstown Foundation. Grahamstown. 1 - 27 May 2005.

Heunis,D. Performer. "*Grahamstown Consort of Voices and String Orchestra*". Hogsback Arts Festival. Kings Lodge. Hogsback. October 2005.

Heunis,D. Performer. "*Grahamstown Consort of Voices and String Orchestra*". Concert. Cathedral. Grahamstown. 1 - 2 November 2005.

Heunis,D. Performer. "*Grahamstown Consort of Voices and String Orchestra*". Concert. Rhodes Chapel. Grahamstown. November 2005.

Munoz,JL

Munoz,JL. Conductor. "*Orchestral Concert*". ACMP Symphony Concert. City Hall. Johannesburg. January 2005.

Munoz,JL. Performer. "*Piano Duo and Trio*". Concert at DSG. DSG. Grahamstown. February 2005.

Munoz,JL. Performer. "*Chamber orchestra*". Schools Concert. DSG. Grahamstown. February 2005.

Munoz,JL. Instructor. "*Various Ensembles*". Franschoek Chamber Music Workshop. La Provence. Franschoek. March 2005.

Munoz,JL. Performer. "*Violin and Piano*". Concert. La Provence. Franschoek. March 2005.

Munoz,JL. Leader. "*JMI Orchestra*". Skouspel Festival. Sun City. September 2005.

Munoz,JL. Performer. "*MIAGI Orchestra*". International Music Festival. State Theatre. Pretoria. September 2005.

Munoz,JL. Performer. "*MIAGI Orchestra*". International Music Festival. City Hall. Cape Town. September 2005.

Munoz,JL. Leader. "*ECPO Orchestra*". ECPO Orchestra. Feather Market Hall. Port Elizabeth. November 2005.

Scarr,DJ

Scarr,DJ. Conductor. "*ECPO Orchestra*". ECPO. Feather Market Hall. Port Elizabeth. 1 - 26 June 2005.

Scarr,DJ. Conductor. "*Schoenbrun Palace Orchestra*". Concert Season. Schoenbrun Palace. Vienna, Austria. 13 - 22 September 2005.

Scarr,DJ. Conductor. "*Youth Orchestra*". VC's farewell. Linder Auditorium. Johannesburg. 1 - 2 October 2005.

Scarr,DJ. Conductor. "*ECPO Orchestra*". Concerto Festival. Feather Market Hall. Port Elizabeth. 1 - 9 October 2005.

JOURNAL SUBSIDY UNITS

MUSIC AND MUSICOLOGY	UNITS
TOTAL FOR MUSIC AND MUSICOLOGY	0.00

PHARMACY

Research in the Faculty continues to flourish and the number of post-graduate students has increased from a mere 4 in 1999 to a current 28. Associated with this activity, the Faculty has contributed no less than 13 peer-reviewed publications in international journals and have written 12 popular articles in local health and pharmacy journals and staff and post-graduate students have delivered 51 presentations at national and international conferences during 2005. In addition, a new book entitled Generic Drug Development, co-edited by the Dean of the Faculty, Professor I.Kanfer has been published by Marcel Dekker, and has received a very favourable review in the International Journal of Pharmaceutics. One of the Chapters in this book has been co-authored by the Deputy Dean, Professor R.B. Walker.

During 2005, several members of the academic staff were invited to present Plenary and Keynote lectures at international conferences. Professor Kanfer delivered 2 Keynote Lectures at an International Symposium on Drug Development held in New Brunswick, New Jersey, 9-10 March 2005 and was an invited lecturer at the Canadian Society for Pharmaceutical Sciences Symposium, Accelerating Drug Discovery and Development held in Toronto, Canada in June 2005. Professor Walker was invited to address the South African Pharmaceutical Students Federation on an academic career in Pharmacy at their Annual Conference held in Johannesburg in July. Professor Daya was invited to the International Symposium on Emerging Trends in Neuroscience in Bangalore, India to deliver a plenary lecture in December. Professor Dowse was invited by the International Pharmaceutical Federation to deliver a lecture on improved access to medications for HIV/Aids at the annual World Congress of Pharmacy held in Cairo, Egypt during September.

Professor Kanfer has been involved with the quality, safety and efficacy of medicines and his current research has focussed on Complementary/Alternative Medicines (CAMS) and African Traditional Medicines (ATMS). CAMS and ATMS have become extremely popular and the world-wide use of natural products and herbal medicines has increased dramatically. Many of these are often used concurrently with conventional (orthodox) medicines and have the potential to cause drug interactions with standard therapeutic regimes.

Professor Kanfer's research group have recently shown that the commonly used African Potato interferes with the metabolism and disposition of anti-retroviral drugs. Since the use of African Potato has been strongly recommended by the National Department of Health and strongly endorsed by the Minister of Health as adjunct therapy for HIV/AIDS patients, such concurrent therapy has serious implications for the safety and efficacy of antiretroviral therapy in HIV/Aids patients. The results of this research have been published in highly renowned international scientific journals such as Lancet Infectious Diseases and AIDS. In addition, several presentations on this work have been made at International Conferences.

Professor Walker has been invited to serve on several NRF panels for the evaluation of research proposals and more recently for the Innovation fund. His research interests focus on the development of pharmaceutical formulations for various routes of delivery and include oral sustained release, topical and rectal dosage forms. He is a member of the editorial board of the journal, Dissolution Technologies and has been invited to stand for appointment to the Board of Advisors of the International Controlled Release Society.

Professor Haigh was on sabbatical leave during the second half of 2005. He attended the International Pharmaceutical Federation conference in Cairo and made three presentations. He visited the laboratories of colleagues in Clermont-Ferrand, France and Basel, Switzerland.

Dr. Denzil Beukes spent his sabbatical at Oregon State University in the USA where he worked on lynchbyatoxin A (a cyanobacterial metabolite) biosynthesis in the laboratory of Professor William Gerwick, a leading marine natural products chemist. In particular, his efforts resulted in the overexpression and purification of the LtxC enzyme (an unusual geranyl transferase) and studied its substrate selectivity.

PROFESSOR I. KANFER
DEAN OF FACULTY

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Beukes,DR

Knott,MG, Mkwanzani,H, Arendse,CE, Hendricks,DT, Bolton,JJ and Beukes,DR. "Plocoralides A-C, polyhalogenated monoterpenes from the marine alga *Plocamium corallorhiza*". *Phytochemistry*. 2005. 66,1108-1112.

Daya,S

Fuliang,HU, Hepburn,HR, Xuan,H, Chen,M, Daya,S and Radloff,SE. "Effects of propolis on blood glucose, blood lipid and free radicals in rats with diabetes mellitus". *Pharmacological Research*. 2005. 51(2),147-152.

Hu,FL, Hepburn,HR, Li,Y, Chen,M, Radloff,SE and Daya,S. "Effects of ethanol and water extracts of propolis (bee glue) on acute inflammatory animal models". *Journal of Ethnopharmacology*. 2005. 100(3),276-283.

Kryukova,EV, Mordvintsev,DYU, Daya,S, Utkin,YUN and Tsetlin,V I. "Polyclonal antibodies against native weak toxin *Naja kaouthia* discriminate native weak toxins and some other three-fingered toxins against their denatured forms". *Toxicon*. 2005. 46(1),24-30.

Dowse,R and Ehlers,MS

Dowse,R and Ehlers,MS. "Medicine labels incorporating pictograms: do they influence adherence?". *Patient Education and Counseling*. 2005. 58(1),63-70.

Kanfer,I

Dubber,M-J, Sewram,V, Mshicileli,N, Shephard,GS and Kanfer,I. "The Simultaneous Determination of Selected Flavonol Glycosides and Aglycones in Ginkgo Biloba Oral Dosage Forms by High-Performance Liquid Chromatography-Electrospray Ionization-Mass Spectrometry". *Journal of Pharmaceutical and Biomedical Analysis*. 2005. 37,723-731.

Mills,E, Cooper,C and Kanfer,I. "Traditional African medicines in the treatment of HIV". *The Lancet Infectious Diseases*. 2005. 5,465-467.

Mills,E, Cooper,C, Seely,D and Kanfer,I. "African Herbal Medicines in the Treatment of HIV: Hypoxis and Sutherlandia. An overview of evidence and pharmacology". *Nutrition Journal*. 2005. 4,19.

Mills,E, Foster,BC, Van Heeswijk,R, Phillips,E, Wilson,K, Leonard,B, Kosuge,K and Kanfer,I. "Impact of African Herbal Medicines on Antiretroviral Metabolism". *Aids*. 2005. 19(1),95-97.

Maharaj,DS and Daya,S

Badenhorst,HE, Maharaj,DS, Malan,SF, Daya,S and Van Dyk,S. "Histamine-3 receptor antagonists reduce superoxide anion generation and lipid peroxidation in rat brain homogenates". *Journal of Pharmacy and Pharmacology*. 2005. 57(6),781-785.

Maharaj,DS, Antunes,EM, Maharaj,H and Daya,S

Maharaj,DS, Molell,H, Antunes,EM, Maharaj,H, Maree,DM, Nyokong,T, Glass,BD and Daya,S. "Melatonin generates single oxygen on laser irradiation but acts as a quencher when irradiated by lamp photolysis". *Journal of Pineal Research*. 2005. 38(3),153-156.

Maharaj,DS, Maharaj,H, Antunes,EM and Daya,S

Maharaj,DS, Maharaj,H, Antunes,EM, Maree,DM, Nyokong,T, Glass,BD and Daya,S. "6-hydroxymelatonin protects against quinolinic-acid-induced oxidative neurotoxicity in the rat hippocampus". *Journal of Pharmacy and Pharmacology*. 2005. 57(7),877-882.

Maharaj,H, Maharaj,DS and Daya,S

Maharaj,H, Maharaj,DS, Scheepers,M, Mokokong,R and Daya,S. "L-Dopa administration enhances 6-hydroxydopamine generation". *Brain Research*. 2005. 1063(2),180-186.

Muller,AC, Maharaj,H, Maharaj,DS and Daya,S. "Aciclovir protects against quinolinic-acid-induced oxidative neurotoxicity". *Journal of Pharmacy and Pharmacology*. 2005. 57(7),883-888.

Mohammadi,A, Kanfer,I, Sewram,V and Walker,RB

Mohammadi,A, Kanfer,I, Sewram,V and Walker,RB. "An LC-MS-MS Method for the Determination of Cyclizine in human Serum". *Journal of Chromatography B*. 2005. 824,148-152.

Verbeeck,RK

Verbeeck,RK, Junginger,HE, Midha,KK, Shah,VP and Barends,DM. "Biowaiver monographs for immediate release solid oral dosage forms based on biopharmaceutics classification system (BCS) literature data: Chloroquine phosphate, chloroquine sulfate, and chloroquine hydrochloride". *Journal of Pharmaceutical Sciences*. 2005. 94(7),1389-1395.

OTHER PUBLICATIONS

Futter,WT

Futter,WT. "The Naked Manager. Spirits of the Organization". Osman, L (eds) SA Pharmacy Journal. PSSA. Pretoria. 2005. 72(10).

Futter,WT. "The Naked Manager. Performance management (part 2)". Osman, L (eds) SA Pharmacy Journal. PSSA. Pretoria. 2005. 72(4).

Futter,WT. "The Naked Manager. Great Expectations (part 2)". Osman, L (eds) SA Pharmacy Journal. PSSA. Pretoria. 2005. 72(6).

Futter,WT. "The Naked Manager. Great Expectations (part 2)". Osman, L (eds) SA Pharmacy Journal. PSSA. Pretoria. 2005. 72(8).

Futter,WT. "The Naked Manager. Performance management (part 1)". Osman, L (eds) SA Pharmacy Journal. PSSA. Pretoria. 2005. 72(2).

Futter,WT. "Pharmaceutical Care in South Africa: Some Questions and Answers". Futter, WT (eds) The Huffer. RUPSA. 2005.

Kanfer,I, Verbeeck,RK and Walker,RB

Kanfer,I, Verbeeck,RK and Walker,RB. "Pharmaceutical Alternatives: Prescribable or Interchangeable?". *Modern Generics, A supplement to Modern Medicine and Modern Pharmacy*. 2005. 8-10.

Srinivas,CS

Srinivas,CS, Gundu Rao,DA and Bhaskaran,S. "Knowledge, attitudes and practices for tuberculosis among doctors in India". van Mil, JWF (eds) *International Pharmacy Journal*. International Pharmaceutical Federation. Hague. 2005. 19(1), 29-32.

Srinivas,CS, Gundu Rao,DA and Bhaskaran,S. "Baseline Study Raising the Issues of the Hospital Pharmacists in Public Sector Health Care System in Karnataka". Online Periodical <http://www.kppub.com> (eds) Pharma Review. Kongposh Publications Private Ltd. India. 2005. (1), 97-102.

Walker,RB

Walker,RB. "Controlled release education, research and industry in South Africa". *Controlled Release Society News Letter*. Controlled Release Society. 2005. 22(2), 13-14.

Walker,RB. "Letter to the Editor. Role of dissolution testing: Regulatory perspectives". Gray, V (eds) *Dissolution Technologies*. 2005. 12(1), 42.

Walker,RB, Khamanga,SMM and Chetty,P. "Selecting eye drops". Strydom, L (eds) *MIMS Drug Therapy Review*. MIMS. Pinegowrie. 2005. 1, 173-174.

Walker,RB, Wright,JA and Mollel,H. "Selecting ear drops". Strydom, L (eds) *MIMS Drug Therapy Review*. MIMS. Pinegowrie. 2005. 1, 23-24.

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

i. Local Conferences (Within South Africa)

Daya,S

Cassim,L and Daya,S. "Melatonin and Anti-cancer therapy". *Southern Africa Neuroscience Society Symposium*. Cape Town International Conference Centre, Cape Town. April 2005.

Dairam,A, Watkins,GM and Daya,S. "The effects of anti-inflammatory agents on memory and learning". *IBRO Regional Meeting & 7th bi-annual Conference of the Society of Neuroscientists of Africa (SONA)' Psychiatry and Neuroscience in Africa*. Cape Town. April 2005.

Dairam,A, Watkins,GM and Daya,S. "The effect of tolmetin and sulindac against quinolinic acid-induced neuronal toxicity". *IBRO Regional Meeting & 7th bi-annual Conference of the Society of Neuroscientists of Africa (SONA)' Psychiatry and Neuroscience in Africa*. Cape Town. April 2005.

Muller,AC, Maharaj,DS, Maharaj,H and Daya,S. "Aciclovir protects against quinolinic acid induced oxidative neurotoxicity". *Southern Africa Neuroscience Society Symposium*. Cape Town International Conference Centre, Cape Town. April 2005.

Ramsunder,A, Maharaj,DS and Daya,S. "Metrifonate induces lipid peroxidation in rat brain". *Southern Africa Neuroscience Society Symposium*. Cape Town International Conference Centre, Cape Town. April 2005.

Wu,J and Daya,S. "17-beta estradiol reduces lipid peroxidation and superoxide anion induced by homocysteine". *Southern Africa Neuroscience Society Symposium*. Cape Town International Conference Centre, Cape Town. April 2005.

Dowse,R

Dowse,R, Mansoor,L and Mwingira,B. "Developing medicines information for HIV/AIDS patients". *Sixth Eastern Cape Health Research Conference*. Regent Hotel, East London. August 2005.

Hill,P and Dowse,R. "Improving patient adherence to therapy in Type 2 diabetes: A pharmacist's perspective". *8th CDE Post-graduate Forum in Diabetes Management*. Birchwood Conference Centre, Boksburg. July 2005.

Futter,WT

Futter,WT. "Improving Teaching: Do social contracts promote group effectiveness?". *Academy of Pharmaceutical Sciences*. Summerstrand Inn, Port Elizabeth. September 2005.

Futter,WT. "Beyond Content". *Academy of Pharmaceutical Sciences*. Summerstrand Inn, Port Elizabeth. September 2005.

Haigh,JM

Tetty-Amlalo,RNO and Haigh,JM. "An investigation into the effect of pemulen TR1 NF on the in vitro release rate of ketoprofen from extemporaneous carbopol 980 NF formulations". *Congress of the Academy of Pharmaceutical Sciences*. Summerstrand Inn, Port Elizabeth. September 2005.

Tetty-Amlalo,RNO and Haigh,JM. "An investigation into the in vitro release rate of ketoprofen utilising different grades of carbopol polymers in extemporaneous formulations". *Congress of the Academy of Pharmaceutical Sciences*. Summerstrand Inn, Port Elizabeth. September 2005.

Kanfer,I

Nair,VDP, Kanfer,I, Foster,BC, Arnason,JT and Mills,EJ. "In Vitro Evaluation of Human Cytochrome P450 and P-Glycoprotein Mediated Metabolism by Extracts, Phytochemicals and Formulations of African Potato". Port Elizabeth, East Cape. September/October 2005.

Patnala,SSR, Nair,VDP, Sewram,V and Kanfer,I. "Quality Control of *Sceletium tortuosum* Using HPLC; Plant Material and Solid Oral Dosage Forms". *26th Annual Congress of the Academy of Pharmaceutical Sciences*. Port Elizabeth, East Cape. September/October 2005.

Karekezi,CW

Karekezi,CW. *Academy of Pharmaceutical Sciences*. Summerstrand Inn Hotel, Port Elizabeth. September 2005.

Mugore,L, Srinivas,CS and Wrench,W

Mugore,L, Srinivas,CS and Wrench,W. "An Assessment of the Roles of Community Health Workers in the Area of HIV & AIDS in the Community". *6th Eastern Cape Health Research Conference*. Regent Hotel, East London. August 2005.

Oltmann,C

Oltmann,C. "The adaptability of mentoring programs". *Mentoring - an instrument for transformation. A FOTIM/GAELIC conference*. TSA conference centre, Johannesburg. October 2005.

Srinivas,CS

Shiri,C and Srinivas,CS. "Medicines information at a primary health care centre in Grahamstown". *26th Annual Congress of the Academy of Pharmaceutical Sciences*. Port Elizabeth, East Cape. September/October 2005.

Shiri,C and Srinivas,CS. "The level of knowledge and understanding as well as the beliefs and perceptions about medicines of a selected group of hypertensive patients". *14th Biennial Congress of the Southern African Hypertension Society*. Cape Town, Western Cape. March 2005.

Shiri,C and Srinivas,CS. "Enabling Patient to make Informed Decisions About Their Health". *Research Day*. CEC, Rhodes University, Grahamstown. September 2005.

Srinivas,CS and Futter,WT

Shiri,CS, Srinivas,CS and Futter,WT. "Insights into medicines and adherence by Hypertensive patients". *Academy of Pharmaceutical Sciences*. Summerstrand Inn, Port Elizabeth. September 2005.

Srinivas,CS, Shiri,CS and Futter,WT. "Pilot study: Beliefs about Medicines amongst Health care providers and receivers". *SA Association of Hospital and Institutional Pharmacists*. Protea Hotel, Wilderness. March 2005.

Srinivas,CS, Mugore,L and Wrench,W

Maharaj,R, Srinivas,CS, Mugore,L and Wrench,W. "Perceptions of Nursing Sisters and Community Members on the Services Provided by the Community Health Workers in HIV and AIDS in Grahamstown". *Research Day*. CEC, Rhodes University, Grahamstown. September 2005.

Srinivas,CS, Mugore,L, Wrench,W and Docrat,M. "Baseline Study of the Activities and Functions of Pharmacy and Therapeutics Committees in the Makana Local Services Area". *SA Association of Hospital and Institutional Pharmacists*. Protea Hotel, Wilderness. March 2005.

Srinivas,CS, Wrench,W, Futter,WT, Oltmann,C and Mugore,L

Srinivas,CS, Wrench,W, Futter,WT, Oltmann,C and Mugore,L. "Services provided by Rhodes University's Medicines Information Center". *Sixth Eastern Cape Health Research Conference*. Regent Hotel, East London. August 2005.

Walker,RB

Walker,RB. *SA Association of Hospital and Institutional Pharmacists*. Protea Hotel, Wilderness. March 2005.

Walker,RB. *60th Pharmaceutical Society of South Africa Annual Conference and Annual General Meeting*. Birchwood Conference Center, Boksburg. May 2005.

Walker,RB. "Ivory tower or career: What is Academic Pharmacy". *52nd Conference of the South African Pharmacy Students Federation*. University of the Witwatersrand, Johannesburg. July 2005.

Walker, RB and Chaibva, FA. "Development and validation of an analytical method for the quantitation of oxytocin in pharmaceutical dosage forms". *26th Annual Congress of the Academy of Pharmaceutical Sciences*. Port Elizabeth, East Cape. September/October 2005.

Walker, RB and Chetty, P. "The development of sustained release propranolol dosage forms". *26th Annual Congress of the Academy of Pharmaceutical Sciences*. Port Elizabeth, East Cape. September/October 2005.

Walker, RB, Mandimika, N and Khamanga, SMM. "Release of verapamil from sustained release tablets". *26th Annual Congress of the Academy of Pharmaceutical Sciences*. Port Elizabeth, East Cape. September/October 2005.

Walker, RB and Mollel, H. "Formulation and in vitro assessment of azithromycin suppositories". *26th Annual Congress of the Academy of Pharmaceutical Sciences*. Port Elizabeth, East Cape. September/October 2005.

Walker, RB, Patel, F and Burton, MH. "An alternative approach to the power law for the assessment of carbamazepine release from sustained release tablets". *26th Annual Congress of the Academy of Pharmaceutical Sciences*. Port Elizabeth, East Cape. September/October 2005.

Walker, RB and wa Kasonga, K. "Development and validation of an analytical method for the quantitation of clobetasol-17-propionate in topical formulations". *26th Annual Congress of the Academy of Pharmaceutical Sciences*. Port Elizabeth, East Cape. September/October 2005.

Walker, RB and Daya, S

Maharaj, DS, Walker, RB, Glass, BD and Daya, S. "The effect of 6-hydroxymelatonin on cyaide-induced alterations in rat brain homogenates". *Southern Africa Neuroscience Society Symposium*. Cape Town International Conference Centre, Cape Town. April 2005.

Wrench, W, Srinivas, CS, Futter, WT and Mugore, L

Wrench, W, Srinivas, CS, Futter, WT and Mugore, L. "Pilot Study to Assess the Need for a Medicine Information Centre in Grahamstown, South Africa". *SA Association of Hospital and Institutional Pharmacists*. Protea Hotel, Wilderness. March 2005.

Wrench, W, Srinivas, CS, Futter, WT, Oltmann, C and Mugore, L

Wrench, W, Srinivas, CS, Futter, WT, Oltmann, C and Mugore, L. "How Rhodes University's Medicine Information Centre Could Benefit Health Care Professionals and Communities in the Eastern Cape". *6th Eastern Cape Health Research Conference*. Regent Hotel, East London. August 2005.

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

ii. International Conferences (Outside South Africa)

Beukes, DR

Beukes, DR. *Biodiversity, Science and Governance*. UNESCO Headquarters, Paris. France. January 2005.

Daya, S

Daya, S. "A possible therapeutic role for melatonin in L-Dopa therapy". *Symposium on Emerging Trends in Neurosciences*. Bangalore. India. December 2005.

Haigh, JM

Tetty-Amlalo, RNO and Haigh, JM. "Comparative in vitro release of ketoprofen from commercial gel formulations through silicone membrane utilizing European pharmacopoeia and Franz diffusion cells". *World Congress of Pharmacy and Pharmaceutical Sciences*. Intercontinental Hotel, Cairo. Egypt. September 2005.

Tetty-Amlalo,RNO and Haigh, JM. "Comparison of the in vitro release of ketoprofen from extemporaneously prepared gels containing different concentrations of carbopol". *World Congress of Pharmacy and Pharmaceutical Sciences*. Intercontinental Hotel, Cairo. Egypt. September 2005.

Tetty-Amlalo,RNO, Purdon,CH and Haigh, JM. "Comparative in vitro release of ketoprofen and ibuprofen from commercially available topical gels from three countries". *World Congress of Pharmacy and Pharmaceutical Sciences*. Intercontinental Hotel, Cairo. Egypt. September 2005.

Kanfer,I

Kanfer,I. "Similarities and Differences in International Bioequivalence Requirements between Different Countries". *SFBC/Anapharm Symposium*. Hilton Hotel, New Brunswick, NJ. USA. March 2005.

Kanfer,I. "Bioequivalence Assessment of Dosage Forms not Intended to be Absorbed into the Systemic Circulation". *SFBC/Anapharm Symposium*. Hilton Hotel, New Brunswick, NJ. USA. March 2005.

Kanfer,I. "Application of Dissolution Testing as a Quality Control Tool in Complementary and Alternative Medicines (CAMS)". *Canadian Society for Pharmaceutical Sciences 8th Annual Symposium*. Holiday Inn on King, Toronto, Ontario. Canada. June 2005.

Kanfer,I, Mills,E, Foster,B, Van Heeswijk,R, Phillips,E, Wilson,K, Leonard,B and Kosuge,K. "Impact of African Herbal Medicines on Antiretroviral Metabolism". *The 2nd Natural Health Product Conference*. Vancouver BC. Canada. 2005.

Wei,H, Kanfer,I and Lobenberg,R. "Comparison of Solubility and Dissolution Data to Establish in vitro/in vivo Correlations for Glyburide Formulations". *Canadian Society for Pharmaceutical Sciences 8th Annual Symposium*. Holiday Inn on King, Toronto, Ontario. Canada. June 2005.

Maharaj,DS and Daya,S

Maharaj,DS, Limson,J and Daya,S. "6-Hydroxymelatonin converts iron (II) to Fe(III) and reduces iron-induced lipid peroxidation". *ISN.ESN 20th Biennial meeting*. Innsbruck. Austria. August 2005.

Maharaj,DS, Maharaj,H and Daya,S

Muller,AC, Maharaj,DS, Maharaj,H and Daya,S. "Aciclovir protects against quinolinic acid induced oxidative neurotoxicity". *Symposium on Emerging Trends in Neurosciences*. Bangalore. India. December 2005.

Marharaj,H, Marharaj,DS and Daya,S

Marharaj,H, Marharaj,DS and Daya,S. "The effect of acetylsalicylic acid and acetaminophen on the regulation of tryptophan metabolism". *ISN.ESN 20th Biennial meeting*. Innsbruck. Austria. August 2005.

Oltmann,C and Futter,WT

Oltmann,C and Futter,WT. "CPD with a difference". *Life Long Learning in Pharmacy 6th International Conference*. University of Saskatchewan, Saskatoon. Canada. June 2005.

Walker,RB

Walker,RB and Khamanga,SMM. "Comparison of method of manufacture on the in vitro performance of verapamil matrix tablets". *32nd International Symposium on Controlled Release of Bioactive Materials*. Miami Beach, Florida. June 2005.

Walker,RB and Khamanga,SMM. "Formulation and assessment of sustained release verapamil mini-tablets". *32nd International Symposium on Controlled Release of Bioactive Materials*. Miami Beach, Florida. June 2005.

CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

Oltmann,C

Oltmann,C. Academic coordinator. *"The South African Association of Hospital and Institutional Pharmacists 19th Annual Conference"*. Wilderness Protea Hotel. Wilderness. 1 - 13 March 2005.

Oltmann,C. Designer and facilitator. *"Tutor - intern training workshop"*. Tutor-intern training workshop on behalf of the South African Pharmacy Council (SAPC). Health Resource Centre. East London. 1 - 5 March 2005.

Oltmann,C. Designer and facilitator. *"Using mentoring to train Pharmacist Assistants"*. Eastern Cape Pharmacists' annual workshop. Haga Haga Hotel. Haga Haga. 1 - 29 October 2005.

Oltmann,C. Designer and facilitator. *"Train - the - trainers workshop"*. Train - the -trainers workshop on behalf of the South African Pharmacy Council. SAPC building, Pretoria. 1 - 29 November 2005.

Srinivas,CS

Srinivas,CS. Coordinator. *"Community Health Workers Training program"*. Train Community Health Workers with respect to their role in HIV AIDS. Sociology Department RU. Grahamstown. 1 - 8 November 2005.

Srinivas,CS. Designer & Facilitator. *"Adherence"*. Train Community Health Workers to counsel AIDS patients using Anti Retro Virals. Sociology Department RU. Grahamstown. 1 - 24 November 2005.

Wisch,MH

Wisch,MH. Panel consultant. *"Operational Planning"*. Centre for High Performance Computing - 2nd Annual Workshop. UCT. Cape Town. 1 - 4 November 2005.

Wrench,W

Wrench,W. Designer and facilitator. *"Post Exposure Prophylaxis"*. Train - Community Health Workers with respect to their Role in Treating HIV Positive Patients. Sociology Department RU. Grahamstown. 1 - 15 November 2005.

Wrench,W. Designer and facilitator. *"HIV / AIDS"*. Train - Community Health Workers with respect to their Role in Treating HIV Positive Patients. Sociology Department RU. Grahamstown. November 2005.

OVERSEAS RESEARCH OR FURTHER STUDY

Beukes,DR

Beukes,DR. Oregon State University, Corvallis, USA. Research. 14 August - 30 May 2005.

Daya,S

Daya,S. University of Saskatoon, Canada. Research. 26 - 29 June 2005.

Kanfer,I

Kanfer,I. Canada. Research. January 2005.

Srinivas,S

Srinivas,S. Rajiv Gandhi University of Health Sciences, Bangalore, India. Presentation of research done to subject experts. 5 January - 7 February 2005.

DISTINGUISHED VISITORS

Professor J Hoogmaartens. Catholic University of Leuven, Brussels, Belgium. Visiting Professor. August - September 2005.

Dr. B Patterson. North Dakota State University, Fargo, North Dakota, USA. PharmD teaching. September 2005.

Dr. V Sewram. MRC, Stellenbosch, Cape Town. Research. October 2005.

Professor RK Verbeeck. Catholic University of Louvain, Brussels, Belgium. Teaching and research. August 2004 - June 2005.

JOURNAL SUBSIDY UNITS

PHARMACY	UNITS
Beukes,DR	
<i>Knott,MG, Mkwanzzi,H, Arendse,CE, Hendricks,DT, Bolton,JJ and Beukes,DR.</i> "Plocoralides A-C, polyhalogenated monoterpenes from the marine alga <i>Plocamium corallorhiza</i> ". <i>Phytochemistry</i> . 2005. 66,1108-1112.	0.50
Daya,S	
Fuliang,HU, <i>Hepburn,HR, Xuan,H, Chen,M, Daya,S and Radloff,SE.</i> "Effects of propolis on blood glucose, blood lipid and free radicals in rats with diabetes mellitus". <i>Pharmacological Research</i> . 2005. 51(2),147-152.	0.17
Hu,FL, <i>Hepburn,HR, Li,Y, Chen,M, Radloff,SE and Daya,S.</i> "Effects of ethanol and water extracts of propolis (bee glue) on acute inflammatory animal models". <i>Journal of Ethnopharmacology</i> . 2005. 100(3),276-283.	0.17
Kryukova,EV, Mordvintsev,DYU, <i>Daya,S, Utkin,YUN and Tsetlin,V I.</i> "Polyclonal antibodies against native weak toxin <i>Naja kaouthia</i> discriminate native weak toxins and some other three-fingered toxins against their denatured forms". <i>Toxicol.</i> 2005. 46(1),24-30.	0.20
Dowse,R and Ehlers,MS	
<i>Dowse,R and Ehlers,MS.</i> "Medicine labels incorporating pictograms: do they influence adherence?". <i>Patient Education and Counseling</i> . 2005. 58(1),63-70.	1.00
Kanfer,I	
<i>Dubber,M-J, Sewram,V, Mshicileli,N, Shephard,GS and Kanfer,I.</i> "The Simultaneous Determination of Selected Flavonol Glycosides and Aglycones in Ginkgo Biloba Oral Dosage Forms by High-Performance Liquid Chromatography-Electrospray Ionization-Mass Spectrometry". <i>Journal of Pharmaceutical and Biomedical Analysis</i> . 2005. 37,723-731.	0.40
Mills,E, Cooper,C and <i>Kanfer,I.</i> "Traditional African medicines in the treatment of HIV". <i>The Lancet Infectious Diseases</i> . 2005. 5,465-467.	0.34
Mills,E, Foster,BC, Van Heeswijk,R, Phillips,E, Wilson,K, Leonard,B , Kosuge,K and <i>Kanfer,I.</i> "Impact of African Herbal Medicines on Antiretroviral Metabolism". <i>Aids</i> . 2005. 19(1),95-97.	0.13
Maharaj,DS and Daya,S	
Badenhorst,HE, <i>Maharaj,DS, Malan,SF, Daya,S and Van Dyk,S.</i> "Histamine-3 receptor antagonists reduce superoxide anion generation and lipid peroxidation in rat brain homogenates". <i>Journal of Pharmacy and Pharmacology</i> . 2005. 57(6),781-785.	0.40
Maharaj,DS, Antunes,EM, Maharaj,H and Daya,S	
<i>Maharaj,DS, Molell,H, Antunes,EM, Maharaj,H, Maree,DM, Nyokong,T, Glass,BD and Daya,S.</i> "Melatonin generates single oxygen on laser irradiation but acts as a quencher when irradiated by lamp photolysis". <i>Journal of Pineal Research</i> . 2005. 38(3),153-156.	0.63
Maharaj,DS, Maharaj,H, Antunes,EM and Daya,S	
<i>Maharaj,DS, Maharaj,H, Antunes,EM, Maree,DM, Nyokong,T, Glass,BD and Daya,S.</i> "6-hydroxymelatonin protects against quinolinic-acid-induced oxidative neurotoxicity in the rat hippocampus". <i>Journal of Pharmacy and Pharmacology</i> . 2005. 57(7),877-882.	0.57
Maharaj,H, Maharaj,DS and Daya,S	
<i>Maharaj,H, Maharaj,DS, Scheepers,M, Mokokong,R and Daya,S.</i> "L-Dopa administration enhances 6-hydroxydopamine generation". <i>Brain Research</i> . 2005. 1063(2),180-186.	1.00
<i>Muller,AC, Maharaj,H, Maharaj,DS and Daya,S.</i> "Aciclovir protects against quinolinic-acid-induced oxidative neurotoxicity". <i>Journal of Pharmacy and Pharmacology</i> . 2005. 57(7),883-888.	1.00
Mohammadi,A, Kanfer,I, Sewram,V and Walker,RB	
<i>Mohammadi,A, Kanfer,I, Sewram,V and Walker,RB.</i> "An LC-MS-MS Method for the Determination of Cyclizine in human Serum". <i>Journal of Chromatography B</i> . 2005. 824,148-152.	1.00
Verbeeck,RK	
<i>Verbeeck,RK, Junginger,HE, Midha,KK, Shah,VP and Barends,DM.</i> "Biowaiver monographs for immediate release solid oral dosage forms based on biopharmaceutics classification system (BCS) literature data: Chloroquine phosphate, chloroquine sulfate, and chloroquine hydrochloride". <i>Journal of Pharmaceutical Sciences</i> . 2005. 94(7),1389-1395.	0.20
TOTAL FOR PHARMACY	7.71

PHILOSOPHY

The Philosophy Department again organised and hosted the Annual Philosophy Colloquium in September. We were delighted to have a paper from Nicholas Ferreira (“Against the principle of ‘Ought implies can’”), who had recently received his B.Phil. at Oxford. Ferreira gave a paper at the Colloquium during his Honours year in 2002.

Philosophical Papers, the international journal edited and published by the Department, flourished and it is clear that it plays a major role in the reputation of the Department. The guest editor for the annual special issue (“Meaning in life”, Volume 34(3) November) was Professor Thad Metz (The University of the Witwatersrand).

Dr. Tom Martin was on study leave for the first half of the year. He presented papers at the University of New South Wales, Flinders University, Macquarie University, the University of Tasmania, the University of Melbourne, and the University of San Francisco. He published “The Role of Others in Roquentin’s Nausea” in Alistair Rolls and Elizabeth Rezniewski (eds), *Sartre’s Nausea: Text, Context, Intertext* (Amsterdam: Rodopi, 2005). Dr. Samantha Vice published ‘On the Tedium of the Good’ in *Ethical Theory and Moral Practice*. She was engaged as co-editor on *Reason and Human Value: Essays in Honour of John Cottingham*, with Enrique Chávez-Arviso and Nafsika Athanassoulis. Dr. Ward Jones published a paper (‘Rumour, Reproach, and the Norms of Testimony’) in *Public Affairs Quarterly*. He was awarded a book contract with Oxford University Press for a collection of papers entitled *Ethics and Film*, which will be co-edited with Samantha Vice. He spent five weeks teaching at Reading University, where he has been Visiting Researcher since 2003 and gave papers at Manchester and Bristol. He visited the US and gave papers at the University of Oklahoma and Trinity University. Dr. Rebecca Bamford, a Post-Doctoral Fellow in the Department, published “Nietzsche, science, and philosophical nihilism”, *South African Journal of Philosophy* (Volume 24 (4), 2005) and “The Nietzsche Diet and Dr. Atkins’s Science”, in *The Atkins Diet and Philosophy*, Lisa Heldke, Kerri Mommer & Cynthia Pineo (eds.), (Chicago: Open Court, 2005).

Three students were awarded the MA in Philosophy, all *cum laude*: James Vos (“The Motivating Force of Beliefs”), Christopher Wareham (“Liberal Aristocracy and the Limits of Democracy”) and Gareth Watkins (“Animal Suffering in Factory Farming and the Best Way to Prevent It”). There were nine second year, one first year and one research (not coursework) MA student in 2005.

PROFESSOR M. VERMAAK
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Bamford,R

Bamford,R. "The Nietzsche Diet and Dr. Atkins's Science". In: Heldke,L, Mommer,K and Pi, C (eds) *The Atkins Diet and Philosophy*. Open Court. Chicago. 2005. 100-111.

Jones,W

Jones,W. (eds) *Philosophical Papers*. Philosophy Department Rhodes University. Grahamstown. 2005. 465 pp.34(1, 2 and 3).

Martin,T

Martin,T. "The Role of Others in Roquentin's Nausea". In: Rolls,A and Rezniewski, E (eds) *Sartre's Nausea: Text, Context, Intertext*. Rodopi. Amsterdam. 2005. 65-76.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Bamford,R

Bamford,R. "Nietzsche, science and philosophical nihilism". *South African Journal of Philosophy*. 2005. 24(4),241-259.

Jones,W

Jones,W. "Rumor, Reproach, and the Norms of Testimony". *Public Affairs Quarterly*. 2005. 19(3),195-212.

Vice,S

Vice,S. "On the Tedium of the Good". *Ethical Theory and Moral Practice*. 2005. 8(4),437-457.

OTHER PUBLICATIONS**Jones,W**

Jones,W. "Review of David-Hillel Ruben's Action and its Explanation, Oxford University Press 2003". *Australasian Journal of Philosophy*. 2005. 83(1), 149-150.

Williamson,F

Williamson,F. "Review of Michael C. Rea's World Without Design: The Ontological Consequences of Naturalism. Oxford: Clarendon Press". *Philosophical Papers*. 2005. 34(1), 141-148.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****i. Local Conferences (Within South Africa)****Bamford,R**

Bamford,R. "Nietzsche, aesthetics and the critique of modernity". 2005.

Bamford,R. "Cognition and Will: Is it worth keeping Nietzsche in mind?". *Annual Conference of the Philosophical Society of Southern Africa*. Fern Hill Hotel, Howick. January 2005.

Jones,W

Jones,W. "Rumour, Reproach and the Norms of Testimony". *Annual Conference of the Philosophical Society of Southern Africa*. Fern Hill Hotel, Howick. January 2005.

Martin,T

Martin,T. "Forms of Racism". *Annual Philosophy Spring Colloquium*. Rhodes University, Grahamstown. September 2005.

Vice,S

Vice,S. "Living with the Self: Self-Understanding and Self-Judgement". *Annual Conference of the Philosophical Society of Southern Africa*. Fern Hill Hotel, Howick. January 2005.

Williamson,F

Williamson,F. "Against Same-Sex Marriage". *Annual Conference of the Philosophical Society of Southern Africa*. Fern Hill Hotel, Howick. January 2005.

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

Bamford,R. "Nietzsche's Tragic Cipher set Work: Metaphilosophical Consequences of an ontological egalitarianism of being". *Australasian Society for Continental Philosophy*. University of New South Wales, Sydney. Australia. July 2005.

Bamford,R. "Time, Free Will and Eternal Recurrence". *Annual Conference of the Friedrich Nietzsche Society (UK)*. University of Cambridge, Cambridge. UK. September 2005.

Marin,T

Marin,T. "On Racisms". *North American Sartre Society*. University of San Francisco, San Francisco. USA. February 2005.

Martin,T

Martin,T. "Without ever leaving the ground she could fly: Self, History and community in Morrison and Beauvoir". *Australian Society for Continental Philosophy*. University of New South Wales, Sydney, Australia. June 2005.

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

Bamford,R. Paper. "*Nietzsche, Philosophy and Food*". Philosophy Departmental Seminar. Rhodes University. Grahamstown. 2005.

Bamford,R. Paper. "*Nietzsche, Aesthetics and the Critique of Modernity*". Philosophy Departmental Seminar. Rhodes University. Grahamstown. 2005.

Jones,W

Jones,W. Public Lecture. "*Comedy in a Dark World*". Winter School, National Arts Festival. Rhodes University. Grahamstown. July 2005.

Jones,W. Paper. "*Explanation and Condemnation*". Philosophy Departmental Seminar. University of Oklahoma. Norman, USA. October 2005.

Jones,W. Paper. "*Philosophers, Their Context, and Their Responsibilities*". Philosophy Departmental Seminar. Trinity University. San Antonio, Texas, USA. October 2005.

Jones,W. Paper. "*Philosophers, Their Context, and Their Responsibilities*". Philosophy Departmental Seminar. University of Bristol. Bristol, UK. November 2005.

Jones,W. Paper. "*Philosophers, Their Context, and Their Responsibilities*". Philosophy Departmental Seminar. University of Manchester. Manchester, UK. November 2005.

Martin,T

Martin,T. Paper. "*On Racisms*". Joint Philosophy Research Seminar. University of Adelaide & Flinders University. Adelaide, Australia. March 2005.

Martin,T. Paper. "*Forms of Racism*". Research Seminar. Department of Philosophy, University of Tasmania. Hobart, Australia. April 2005.

Martin,T. Paper. "*Forms of Racism*". Research Seminar. Centre for Social Inclusion, Macquarie University. Sydney, Australia. April 2005.

Martin,T. Paper. "*Conceptualising Racism*". Research Seminar. Centre for Cultural Heritage, Flinders University. Adelaide, Australia. May 2005.

Martin,T. Paper. "*Forms of Racism*". Research Seminar. Centre for Applied Philosophy and Public Affairs, University of Melbourne. Melbourne, Australia. May 2005.

Vice,S

Vice,S. Paper. "*Living with the Self: Self-Understanding and Self-Judgment*". Philosophy Departmental Seminar. Rhodes University. Grahamstown. May 2005.

Williamson,F

Williamson,F. Paper. "*Against Same-Sex Marriage*". Philosophy Departmental Seminar. Rhodes University. Grahamstown. April 2005.

OVERSEAS RESEARCH OR FURTHER STUDY

Jones,W

Jones,W. University of Reading, Reading, UK. Visiting Lecturer. 1 October - 15 December 2005.

Martin,T

Martin,T. Flinders University, Adelaide, Australia. Research Leave. 15 February - 15 June 2005.

DISTINGUISHED VISITORS

Professor J Cottingham. University of Reading, Reading UK. Visiting Lecturer. February - April 2005.

Professor E Willott. University of Arizona. Visiting Lecturer. July - August 2005.

JOURNAL SUBSIDY UNITS

PHILOSOPHY	UNITS
Bamford,R	
<i>Bamford,R.</i> "Nietzsche, science and philosophical nihilism". <i>South African Journal of Philosophy.</i> 2005. 24(4),241-259.	1.00
Jones,W	
<i>Jones,W.</i> "Rumor, Reproach, and the Norms of Testimony". <i>Public Affairs Quarterly.</i> 2005. 19(3),195-212.	1.00
Vice,S	
<i>Vice,S.</i> "On the Tedium of the Good". <i>Ethical Theory and Moral Practice.</i> 2005. 8(4),437-457.	1.00
TOTAL FOR PHILOSOPHY	3.00

PHYSICS AND ELECTRONICS

Professor Jonas continued as Director of the Hartebeesthoek Radio Astronomy Observatory (HartRAO) and Project Scientist for the South African Square Kilometre Array (SKA) project. During 2005 the SKA project team prepared and submitted South Africa's proposal to be the site for the SKA. This proposal required the integration of data from a wide range of disciplines, and a major campaign to measure the radio frequency interference (RFI) environment in Southern Africa. Much of this work was carried out by Rhodes postgraduate students. The Karoo Array Telescope (KAT) project gained momentum in 2005. This telescope, which is a science and technology pathfinder for the international SKA telescope, will be the largest single investment in scientific infrastructure made in South Africa. Many of the scientists working in the KAT project team are Rhodes students or products, with Professor Jonas and recent PhD graduate Adrian Tiplady developing the science case for the telescope. Besides the SKA and KAT work, research into pulsars and circumstellar masers was conducted by the postgraduate cohort in the Department.

The Rhodes ionospheric research group joined the Space Physics Group of the Hermanus Magnetic Observatory (HMO) in October 2004, therefore 2005 was the first full year as a part of the HMO infrastructure. The research group continues to play a major role in defining the International Reference Ionosphere (IRI) model. A Global Positioning System (GPS) receiver belonging to the Chief Directorate Surveys and Mapping (CDSM) was installed at the Grahamstown field station in February 2005. In addition to routine survey applications, this GPS receiver will be used for a new research line into the derivation of ionospheric information from GPS data. From July to October 2005, the Grahamstown field station was host to whistler detection equipment belonging to the University of KwaZulu-Natal School of Physics. This equipment was used to detect very low frequency waves that travel along magnetic field lines.

Dr. F.O. Ogundare from the University Of Ibadan in Nigeria joined the Luminescence research group in March 2005 as a postdoctoral research fellow under the auspices of a two-year fellowship from the Claude Leon Foundation. He is working with Dr. Chithambo on research into luminescence of materials. They made use of specialist facilities at laboratories operated by the CSIR in Pretoria to carry out luminescence measurements.

Staff and students from the Department presented papers at scientific meetings and conferences in Germany, India, the Netherlands and Spain, and made research visits to institutes in Australia, India, the Netherlands, USA, UK and Germany.

PROFESSOR J. JONAS
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Chithambo,ML

Chithambo,ML. "Procedures preparatory to setting up a luminescence pulsing system". *Ancient TL*. 2005. 23,39-42.

Chithambo,ML. "Towards models for analysis of time-resolved luminescence spectra from quartz". *Applied Radiation and Isotopes*. 2005. 62,941-942.

Poole,AWV and McKinnell,LA

Oyeyemi,EO, Poole,AWV and McKinnell,LA. "On the global model for f_oF_2 using neural networks". *Radio Science*. 2005. 40(6),1-15.

Oyeyemi,EO, Poole,AWV and McKinnell,LA. "On the global short term forecasting of the ionospheric critical frequency f_oF_2 up to five hours in advance using neural networks". *Radio Science*. 2005. 40(6),1-12.

Poole,LMG and Malinga,S

Portnyagin,Y, Solovjova,T, Merzlyakov,E, Forbes,J, Palo,S, Ortland,D, Hocking,W, MacDougall,J, Thayaparan,T, Manson,A, Meek,C, Hoffmann,P, Singer,W, Mitchell,N, Pancheva,D, Igarashi,K,

Murayama,Y, Jacobi,CH, Kuerschner,D, Fahrutdinova,A, Korotyshkin,D, Clark,R, Taylor,M, Frank,S, Fritts,D, Tsuda,T, Nakamura,T, Gurubaran,S, Rajaram,R, Vincet,R, Kovalam,S, Batista,P, *Poole,LMG, Malinga,S*, Fraser,G, Murphy,D, Riggin,D, Aso,T and Tsutsumi,M. "Mesosphere/lower thermosphere prevailing wind model". *Advances in Space Research*. 2005. 34(8),1755-1762.

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

i. Local Conferences (Within South Africa)

Grant,R

Grant,R. "The experience of teaching electricity concepts to Foundation Year students". *South African Academic Development Association*. Durban. November 2005.

Jonas,JL

Jonas,JL. "The SKA radio telescope and South Africa". *2005 South African IEEE AP/MTT*. Stellenbosch University, Stellenbosch. March 2005.

Jonas,JL. "The Karoo Array Telescope". *50th Annual Conference of the South African Institute of Physics*. University of Pretoria, Pretoria. July 2005.

McKinnell,LA

Moeketsi,DM, Combrinck,WL and *McKinnell,LA*. "Solar cycle effects on ionospheric total electron content derived from SADC GPS network". *50th Annual Conference of the South African Institute of Physics*. University of Pretoria, Pretoria. July 2005.

Moeketsi,DM

Moeketsi,DM. "The heliospheric modulation of 3-10MeV electrons: Modelling of changes in the solar wind speed in relation to perpendicular polar diffusion". *50th Annual Conference of the South African Institute of Physics*. University of Pretoria, Pretoria. July 2005.

Moeketsi,DM. "Characterization and analysis of ionospheric conditions at proposed SKA sites". *50th Annual Conference of the South African Institute of Physics*. University of Pretoria, Pretoria. July 2005.

Ogundare,FO and Chithambo,ML

Ogundare,FO and *Chithambo,ML*. "Kinetic parameters of the high temperature glow peaks in synthetic quartz". *50th Annual Conference of the South African Institute of Physics*. University of Pretoria, Pretoria. July 2005.

Oyeyemi,EO

Oyeyemi,EO. "Neural Network based prediction techniques for modelling of foF2 ionospheric parameter". *50th Annual Conference of the South African Institute of Physics*. University of Pretoria, Pretoria. July 2005.

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

ii. International Conferences (Outside South Africa)

Chithambo,ML

Chithambo,ML. "Time-resolved luminescence from annealed quartz under 470nm pulsed stimulation". *11th International Conference on Luminescence and Electron Spin Resonance Dating*. University of Cologne, Cologne. Germany. July 2005. 42.

Jonas,JL

Jonas,JL. "Hartebeesthoek Radio Astronomy Observatory and the Karoo Array Telescope". *XXVIIIth General Assembly of URSI*. Vigyan Bhavan, New Delhi. India. October 2005.

Jonas,JL. "SKA South Africa". *SKA 2005 Conference*. Hotel Pride, Pune. India. November 2005.

Jonas, JL. "The Karoo Array Telescope". *SKA 2005 Conference*. Hotel Pride, Pune. India. November 2005.

Jonas, JL, Baker, D, Loots, A, de Haaij, D and Booyesen, R. "Focal Plane Array plans in South Africa". *Second International Focal Plane Array Workshop*. ASTRON, Dwingeloo. The Netherlands. June 2005.

Jonas, JL, Manners, PJ, Petrick, G and Smuts, N. "Radio Quiet Reserves in South Africa". *XXVIIIth General Assembly of URSI*. Vigyan Bhavan, New Delhi. India. October 2005.

McKinnel, LA and Poole, AWV

Oyeyemi, EO, McKinnel, LA and Poole, AWV. "Neural network based prediction techniques for global modelling of M(3000)F2 ionospheric parameter". *The International Reference Ionosphere Workshop (IRI) 2005*. Ebre Observatory, Roquetes. Spain. June/July 2005. 14.

McKinnell, LA

McKinnell, LA and Friedrich, M. "An Auroral zone lower ionosphere model for IRI". *The International Reference Ionosphere Workshop (IRI) 2005*. Ebre Observatory, Roquetes. Spain. June/July 2005. 49.

McKinnell, LA, Opperman, BDL and Cilliers, PJC. "GPS TEC and Ionosonde TEC over Grahamstown, South Africa: First Comparisons". *The International Reference Ionosphere Workshop (IRI) 2005*. Ebre Observatory, Roquetes. Spain. June/July 2005. 53.

Moeketsi, DM, Combrink, WL and McKinnell, LA. "Solar Cycle Variations of GPS derived Total Electron Content Observed over South Africa". *The International Reference Ionosphere Workshop (IRI) 2005*. Ebre Observatory, Roquetes. Spain. June/July 2005. 56.

Opperman, BDL, Cilliers, PJC and McKinnell, LA. "Development of a Near Real-Time Ionospheric TEC Mapping System for Terrestrial and Space-Based Applications over Southern Africa". *The International Reference Ionosphere Workshop (IRI) 2005*. Ebre Observatory, Roquetes. Spain. June/July 2005. 56.

Opperman, BDL, McKinnell, LA, Cilliers, PJ and Mitchell, CN. "Investigations into ionosphere-plasmasphere coupling during a severe magnetic storm". *XXVIIIth General Assembly of URSI*. Vigyan Bhavan, New Delhi. India. October 2005. 16.

McKinnell, LA and Poole, AWV

McKinnell, LA, Poole, AWV and Friedrich, M. "Modelling the ionospheric electron density using neural networks". *XXVIIIth General Assembly of URSI*. Vigyan Bhavan, New Delhi. India. October 2005. 156.

Ogundare, FO

Ige, OA, Tubosun, IA, Ogundare, FO, Mokobia, CE and Balogun, FA. "TL Response of Muscovite Samples from granite pegmatite of Ilesa and Ijero-Ekiti Southwestern Nigeria". *11th International Conference on Luminescence and Electron Spin Resonance Dating*. University of Cologne, Cologne. Germany. July 2005.

Ogundare, FO, Balogun, FA and Hussain, LA. "Evaluation of kinetic parameters of traps in thermoluminescence phosphors". *11th International Conference on Luminescence and Electron Spin Resonance Dating*. University of Cologne, Cologne. Germany. July 2005.

Poole, AWV and McKinnell, LA

Oyeyemi, EO, Poole, AWV and McKinnell, LA. "On the global model for FoF2 using neural networks". *XXVIIIth General Assembly of URSI*. Vigyan Bhavan, New Delhi. India. October 2005. 41.

Oyeyemi, EO, Poole, AWV and McKinnell, LA. "On the short term forecasting of the ionospheric critical frequency f_oF_2 up to five hours in advance using neural networks". *XXVIIIth General Assembly of URSI*. Vigyan Bhavan, New Delhi. India. October 2005. 41.

JOURNAL SUBSIDY UNITS

PHYSICS AND ELECTRONICS	UNITS
Chithambo,ML	
<i>Chithambo,ML.</i> "Towards models for analysis of time-resolved luminescence spectra from quartz". <i>Applied Radiation and Isotopes</i> . 2005. 62,941-942.	1.00
Poole,AWV and McKinnel,LA	
<i>Oyeyemi,EO, Poole,AWV and McKinnel,LA.</i> "On the global model for foF2 using neural networks". <i>Radio Science</i> . 2005. 40(6),1-15.	1.00
<i>Oyeyemi,EO, Poole,AWV and McKinnel,LA.</i> "On the global short term forecasting of the ionospheric critical frequencyfoF2 up to five hours in advance using neural networks". <i>Radio Science</i> . 2005. 40(6),1-12.	1.00
Poole,LMG and Malinga,S	
Portnyagin,Y, Solovjova,T, Merzlyakov,E, Forbes,J, Palo,S, Ortland,D, Hocking,W, MacDougall,J, Thayaparan,T, Manson,A, Meek,C, Hoffmann,P, Singer,W, Mitchell,N, Pancheva,D, Igarashi,K, Murayama,Y, Jacobi,CH, Kuerschner,D, Fahrutdinova,A, Korotyshkin,D, Clark,R, Taylor,M, Frank,S, Fritts,D, Tsuda,T, Nakamura,T, Gurubaran,S, Rajaram,R, Vincet,R, Kovalam,S, Batista,P, <i>Poole,LMG, Malinga,S</i> , Fraser,G, Murphy,D, Riffin,D, Aso,T and Tsutsumi,M. "Mesosphere/lower thermosphere prevailing wind model". <i>Advances in Space Research</i> . 2005. 34(8),1755-1762.	0.05
TOTAL FOR PHYSICS	3.05

POLITICAL AND INTERNATIONAL STUDIES

A dramatic 30 percent increase in the number of undergraduate students in the department has affected the research output over the past year. Growth in post-graduate students has also had its impact. This said there has a steady output of articles and chapters from members of the staff. Simply counting these is important, of course, but directing them at weighty journals remains a challenge to which we will direct our attention.

This is not straight forward issue in the Humanities, however: for one thing, the present reporting system makes no allowance for contributions to media other than the accredited-journal or the book. So, over this year one member of staff produced thirteen essays to be included in a major encyclopaedia published in the United States. Ridiculously, these were not counted as research “outputs”.

Equally short-sighted – especially in a country where public policy needs to be subjected to intense scrutiny – is the considered piece in the popular press. With no way of counting these, influential academic work is lost in the welter of often quite simple-minded bureaucracy. A separate category on public intellectual work ought perhaps to be considered.

During this year, the department was externally assessed. An independent assessor called this the “best department (of politics and international studies) in the country”. As the list of distinguished visitors suggests, more and more people have accepted that this department is a force with which to reckon.

While grateful and accepting of this standing, our impact both on research and the influencing of public policy, remains captive of rote and the procedural preoccupations of those who seem more interested in control than on creating the space to explore the kind ideas thought promised by the Enlightenment.

PROFESSOR P. VALE
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Hoeane,T

Hoeane,T. "Struggling to Represent the Led: The PAC, Azapo and ID". In: Nizjink,L and Piombo, J (eds) Electoral Politics in South Africa: Assessing the First Democratic Decade. Palgrave. London. 2005.

Ruiters,G

Ruiters,G. "From Public to Private (to Public again?)". In: McDonald, D (eds) The Age of Commodity, Water Privatisation in Southern Africa. Earthscan. London. 2005. 1-12.

Ruiters,G. The Age of Commodity, Water Privatisation in Southern Africa. McDonald, D (eds) Earthscan. London. 2005. 272 pp.

Ruiters,G. "The Political Economy of Public private Contracts; urban water in Two Eastern Cape Towns". In: McDonald, D (eds) The Age of Commodity, Water Privatisation in Southern Africa. Earthscan. London. 2005. 148-165.

Ruiters,G. "Theorising Water Privatisation". In: McDonald, D (eds) The Age of Commodity, Water Privatisation in Southern Africa. Earthscan. London. 2005. 1-42.

Vale,P

Vale,P. "Foreign Policy and Democracy: has South Africa now lost its voice". In: Calland,L and Graham, P (eds) Democracy in the Time of Mbeki. IDASA. Cape Town. 2005. 93-103.

Vale,P. "Some Critical Reflections on the Idea of Human Security". In: Bagayoko-Penone,N and Hours, B (eds) Estates, ONG et production des norms securitaires das les pays du Sud. 2005. 59-74.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Beard,T

Beard,T. "Rhodes Past and Present: A Critical and Personal Assessment". *African Sociological Review*. 2005. 1,73-82.

Bischoff,PH

Bischoff,PH. "A Reflection on Peace Agreement in Africa". *Conflict Trends - Accord*. 2005. 1,7-11.

Hoeane,T

Hoeane,T. "Identity and Race at Rhodes University". *African Sociological Review*. 2005. 9(1),132-135.

Hoeane,T. "Under Strain: The Racial/Ethnic Interpretation of South Africans 2004 Elections". *Journal of African Elections*. 2004. 3(4),1-26.

Hoeane,T. "A viable alternative? Third parties in South Africa's Democratic Transition". *Politica*. 2005. 4(3),335-353.

Ruiters,M

Ruiters,M. "Power Interrupted". *Agenda*. 2005. 65,123-129.

Vale,P

Vale,P. "South Africa and Zimbabwe: Democracy in the Littoral Zone". *Journal of African Elections*. 2005. 4(2),1-20.

Hendricks,F and Vale,P. "The Critical Tradition at Rhodes University: Retrospect and Prospect". *African Sociological Review*. 2005. 9(1),1-13.

Venter,D

Swart,I and Venter,D. "Reading the Parliament of the World's Religion's *Declaration Toward a Global Ethic* as a Development Text". *Scriptura*. 2005. 88,205-221.

Vincent,LD

Vincent,LD. "Just a little thing like the colour of their skin ruined everything': Facing Race at Rhodes Ten Years After". *African Sociological Review*. 2005. 9(1),105-131.

OTHER PUBLICATIONS

Bischoff,PH

Bischoff,PH. "Book review: Recent Bygones-the Apartheid Republic and African States". H List Review of Roger Pfister, *Apartheid South Africa and African States*. Tauris. London. 2005.

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

i. Local Conferences (Within South Africa)

Bischoff,PH

Bischoff,PH. *Progressive Governance 2005: Africa Conference*. Africa Institute, Sandton, Johannesburg. July 2005.

Ruiters,G

Ruiters,G. "Municipal Services project: Assessing Free Services: Contradictions and Achievements". *Free Basic Services Conference*. Cape Town. June 2005.

Ruiters,G. "Knowing your place: Urban services and new modes of governability in South African cities". *Centre for Civil Society Seminar Series*. University of KwaZulu-Natal, Durban. October 2005. 1-22.

Vale,P

Vale,P. "The UN at 60, any different to the UN at 50?". *The United Nations at 60*. Institute for Global Dialogue, Pretoria. September 2005.

Vale,P. "South Africa's Universities and Democracy: Periodisation, Presentism and other critical provocations". *Annual Conference of the Kenton Education Association*. Mpekwani Beach Resort, Mpekwani. October 2005.

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

ii. International Conferences (Outside South Africa)

Ruiters,G

Ruiters,G. "Financing Health and Municipal Services Programme". *Municipal Services Project Conference*. Equinet, Harare. Zimbabwe. November 2005.

Vale,P

Vale,P. "State, Institutions and International Governance". Torquato di Tella, Buenos Aires. Argentina. June 2005.

DISTINGUISHED VISITORS

Professor G Albo. University of Toronto, Canada. Seminar talk. February 2005.

Dr. J Cherry. Human Science Research Council, Port Elizabeth. Seminar talk. October 2005.

Professor A Du Toit. University of Cape Town, Cape Town. Lecture. September - October 2005.

Dr. S Friedman. Centre for Policy Studies, Johannesburg. Lecture. October - November 2005.

Dr. W Gumede. Wits University, Pretoria. Seminar talk. April 2005.

Dr. L Manyele. Lesotho University, Lesotho. Seminar talk. March 2005.

Dr. C O'Kelly. Queens University, Belfast, Ireland. Seminar talk. April 2005.

Dr. M Rupiya. Institute for Security Studies, Pretoria. Lecture. March 2005.

Dr. A Seldon. Brighton College, London. Seminar talk. October 2005.

Dr. V Tilley. Hobar & William Smith Colleges in Geneva, New York. Seminar. October 2005.

Dr. H Van Rensum. Utrecht University, Holland. Seminar talk. February 2005.

JOURNAL SUBSIDY UNITS

POLITICAL AND INTERNATIONAL STUDIES	UNITS
Beard,T	
<i>Beard,T. "Rhodes Past and Present: A Critical and Personal Assessment". African Sociological Review. 2005. 1,73-82.</i>	1.00
Hoeane,T	
<i>Hoeane,T. "Identity and Race at Rhodes University". African Sociological Review. 2005. 9(1),132-135.</i>	1.00
<i>Hoeane,T. "Under Strain: The Racial/Ethnic Interpretation of South Africans 2004 Elections". Journal of African Elections. 2004. 3(4),1-26.</i>	1.00
<i>Hoeane,T. "A viable alternative? Third parties in South Africa's Democratic Transition". Politica. 2005. 4(3),335-353.</i>	1.00

Ruiters,M	
<i>Ruiters,M.</i> "Power Interrupted". <i>Agenda</i> . 2005. 65,123-129.	1.00
Vale,P	
<i>Vale,P.</i> "South Africa and Zimbabwe: Democracy in the Littoral Zone". <i>Journal of African Elections</i> . 2005. 4(2),1-20.	1.00
<i>Hendricks,F</i> and <i>Vale,P.</i> "The Critical Tradition at Rhodes University: Retrospect and Prospect". <i>African Sociological Review</i> . 2005. 9(1),1-13.	0.50
Venter,D	
<i>Swart,I</i> and <i>Venter,D.</i> "Reading the Parliament of the World's Religion's <i>Declaration Toward a Global Ethic</i> as a Development Text". <i>Scriptura</i> . 2005. 88,205-221.	0.50
Vincent,LD	
<i>Vincent,LD.</i> "Just a little thing like the colour of their skin ruined everything': Facing Race at Rhodes Ten Years After". <i>African Sociological Review</i> . 2005. 9(1),105-131.	1.00
TOTAL FOR POLITICAL AND INTERNATIONAL STUDIES	8.00

PSYCHOLOGY

During 2005, 12 staff (out of a total of 16) produced research products. Two individuals deserve special mentioning. Professor DJA Edwards had a particularly productive year during which he published nine articles, while Professor CR Stones continued his active work as a founding editorial board member of the Indo-Pacific Journal of Phenomenology. In general, the research profile displays a healthy spread across the full range of staff. Moreover, several relatively junior staff members were also productive, either in terms of producing publications or presenting papers at national and international conferences.

Regarding the publications, the content areas were very diverse, ranging from community psychology, educational technology, history of psychology, HIV/AIDS, indigenous healing, neuro-psychology, psychometrics, psychopathology, psychotherapy through to sport injuries and terrorism.

Professors from three universities spent some time in the department as distinguished visitors. They were Professor Cromby (University of Loughborough, England), Staeuble (Free University Berlin, Germany), and Olivier (Nelson Mandela Metropolitan University).

The number of postgraduate students continued to be high, with the Honours class comprising 27 students, while the various Master's degree programmes had a total of 14 students.

Overall, given high teaching loads and large postgraduate commitments, the Departmental profile reflects an active research endeavour on the part of its staff members.

DR. R. VAN NIEKERK
SENIOR LECTURER

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Bohmke,WR

Bohmke,WR and *Neves,D*. "Reaping the whirlwind of change: Eastern Cape white commercial farmer's discourses of democracy". *Psychology in Society*. 2005. 31,31-56.

Edwards,DJA

Edwards,DJA. "Critical perspectives on research on post-traumatic stress disorder and implications for the South African context". *Journal of Psychology in Africa*. 2005. 15(2),117-124.

Edwards,DJA. "Post-traumatic stress disorder as a public health concern in South Africa". *Journal of Psychology in Africa*. 2005. 15(2),125-134.

Edwards,DJA. "Treating PTSD in South African contexts: A theoretical framework and model for the development of evidence-based practice". *Journal of Psychology in Africa*. 2005. 15(2),209-220.

Edwards,DJA. "Unconscious influences on discourses about consciousness: Ideology, state-specific science and unformulated experience". *The Indo-Pacific Journal of Phenomenology*. 2005. 5(1),1-20.

Karpelowsky,BJ and *Edwards,DJA*. "Trauma, imagery and the therapeutic relationship: Langu's story". *Journal of Psychology in Africa*. 2005. 15(2),185-195.

Mashalaba,E and *Edwards,DJA*. "A successful cognitive-behavioural intervention that failed: A case study of adolescent conduct disorder at a school for the disadvantaged". *Journal of Child and Adolescent Mental Health*. 2005. 17(2),69-78.

Nulty,M and *Edwards,DJA*. "The experiences and needs of HIV/AIDS counsellors at a South African hospital". *Journal of Psychology in Africa*. 2005. 15(1),1-10.

van Wyk,G and *Edwards,DJA*. "From trauma debriefing to trauma support: A South African experience of responding to individuals and communities in the aftermath of traumatizing events". *Journal of Psychology in Africa*. 2005. 15(2),135-142.

Edwards,DJA and Sakasa,P

Edwards,DJA, Sakasa,P and van Wyk,G. "Trauma, resilience and vulnerability to PTSD: A review and clinical case analysis". *Journal of Psychology in Africa*. 2005. 15(2),143-153.

Knight,ZG

Knight,ZG. "The use of the 'corrective emotional experience' and the search for the bad object in psychotherapy". *American Journal of Psychotherapy*. 2005. 59(1),30-41.

Knoetze,J and Steele,G

Knoetze,J, Bass,N and Steele,G. "The ravens coloured progressive matrices: Pilot norms for isiXhosa-speaking primary school learners in peri-urban Eastern Cape". *South African Journal of Psychology*. 2005. 35(2),175-194.

Labe,D

Labe,D. "Psychotherapy for post-traumatic stress disorder in a young rape survivor: A case study". *Journal of Psychology in Africa*. 2005. 15(2),177-184.

MacDermott,R

MacDermott,R. "The great arch of unimagined bridges: Integrative play therapy with an abused child". *Journal of Psychology in Africa*. 2005. 15(2),165-175.

Painter,D

Painter,D and van Ommen,CH. "Repetition, emotion, memory and psychotherapy". *Psychology in Society*. 2005. 32,24-40.

Stones,CR

Stones,CR. "Upward displacement revisited: Hair today, gone tomorrow: Hair as symbolized sexuality". *The Journal of Critical Psychology, Counselling and Psychotherapy*. 2005. 5,20-30.

Swingler,D

Mohr,P, Pecenek,J, Svestka,J, Swingler,D and Treuer,T. "Treatment of acute agitation in psychotic disorders". *Neuroendocrinology Letters*. 2005. 26(4),326-335.

van Ommen,CH

van Ommen,CH. "Putting the PC in IQ: Images in the WAIS III". *South African Journal of Psychology*. 2005. 35(3),532-554.

Painter,D and van Ommen,CH. "Mapping of East London: Sketching identity through place". *South African Journal of Psychology*. 2005. 35(3),505-531.

OTHER PUBLICATIONS**Stones,CR and Earl-Taylor,MA**

Stones,CR and Earl-Taylor,MA. "Terrorism and Torture in the 21st Century: The Legacy of September 11, 2001 - Letter from Grahamstown, SA". *Dispatches*. Fairleigh Dickinson University. New Jersey. 2005. *Dispatches Global issue*.

Stones,CR and Earl-Taylor,MA

Stones,CR and Earl-Taylor,MA. "Cynical Propagandists or True Believers: The Bush Administration and the Tragedy of War in Iraq - Redemption through pre-emption - Letter from Grahamstown, SA". *Dispatches*. Fairleigh Dickinson University. New Jersey. 2005. *Dispatches Global issue*.

Stones,CR and Earl-Taylor,MA. "Life and academia in the Eastern Cape Province: A very pleasant dichotomy - Letter from Grahamstown, SA". *Dispatches*. Fairleigh Dickinson University. New Jersey. 2005. *Dispatches Global issue*.

Stones,CR and Earl-Taylor,MA. "The making of the Quagmire Part II: The American-led War in Iraq - Letter from Grahamstown, SA". *Dispatches*. Fairleigh Dickinson University. New Jersey. 2005. *Dispatches Global issue*.

Stones,CR and Earl-Taylor,MA. "Will American policies in the Middle East give birth to the new state of Palestine - Letter from Grahamstown, SA". *Dispatches*. Fairleigh Dickinson University. New Jersey. 2005. *Dispatches* Global issue.

Yen,J

Yen,J. "All under heaven: A review of Darryl Accone (2004)". *Psychology in Society*. 2005. 31, 106-109.

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

i. Local Conferences (Within South Africa)

Bohmke,WR

Robus,BM and Bohmke,WR. "Culture of sexual violence: A critical examination of cultural discourses surrounding sexual violence". *International Critical Psychology Conference*. University of KZN, Durban. June 2005.

Knoetze,JJ

Meistre,B and Knoetze,JJ. "Interrogating surveillance: The 50 minute hour". *International Society for Theoretical Psychology*. University of Cape Town, Cape Town. June 2005.

Moerdyk,AP

Moerdyk,AP. "Chaos & Complexity sciences - do they have a role to play in Organisational Management Theories". *Society for Industrial/Organisational Psychology of SA*. Pretoria. June 2005.

Moerdyk,AP. "Leadership as a strange attractor". *International Conference of Theoretical Psychology*. University of Cape Town , Cape Town. June 2005.

van Ommen,CH

van Ommen,CH. "Damasio's subject: Constructions of self in the contemporary neurosciences". *International Society for Theoretical Psychology*. University of Cape Town, Cape Town. June 2005.

van Ommen,CH. "Tracing the histories of South African Psychology". *International Critical Psychology conference, Psychology and Society programme*. University of KZN, Durban. June 2005.

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

ii. International Conferences (Outside South Africa)

Appalsamy,P

Appalsamy,P. "The use of Moodle to facilitate active collaborative learning in a third year health Psychology class". *12th International Conference on Learning*. University of Granada, Madrid. Spain. July 2005.

Edwards,DJA

Edwards,DJA. "Guided imagery and the transformation of implicational meaning in psychotherapy". *International Congress of Cognitive Psychotherapy*. Gothenborg Convention Centre, Gothenborg. Sweden. June 2005.

Knight,ZG

Knight,ZG. "The use of corrective emotional experience and the search for the bad object in psychotherapy". *Fourth World Congress for Psychotherapy*. Pan-Americana Hotel, Buenos Aires. Argentina. August 2005.

Shuttleworth-Edwards,A

Shuttleworth-Edwards,A and Radloff,SE. "Residual deficits in visuo-perceptual processing in players of Rugby Union from school through to the professional level". *28th mid-year annual meeting of the International Neuropsychological Society*. Burlington Hotel, Dublin. Ireland. July 2005.

Stones,CR

Stones,CR. "A Return to self - by Leaving: Part II - Family Transition: Departure and Return". *4th World Congress for Psychotherapy (WCP)*. Pan-Americana Hotel, Buenos Aires. Argentina. August 2005.

Yen,J

Schweitzer,RD and Yen,J. "Indigenous healers' conceptions of HIV/AIDS in rural Xhosa-speaking community". *Annual Meeting of the Society for Psychotherapy Research*. Centre Mont-Royal Hotel, Montreal. Canada. June 2005.

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

Appalsamy,P. Yes. "Women of Peace Retreat and empowerment workshop". Women of peace retreat and empowerment workshop. Broederstroom. 1 - 28 November 2005.

DISTINGUISHED VISITORS

Dr. J Cromby. University of Loughborough, Loughborough England. Networking and guest lecturer. June 2005.

Professor B Olivier. Nelson Mandela Metropolitan University, Port Elizabeth. Guest lecturer. April 2005.

Professor I Staeuble. Free University, Berlin Germany. Networking. January - February 2005.

JOURNAL SUBSIDY UNITS

PSYCHOLOGY	UNITS
Bohmke,WR	
Bohmke,WR and Neves,D. "Reaping the whirlwind of change: Eastern Cape white commercial farmer's discourses of democracy". <i>Psychology in Society</i> . 2005. 31,31-56.	0.50
Edwards,DJA	
Edwards,DJA. "Critical perspectives on research on post-traumatic stress disorder and implications for the South African context". <i>Journal of Psychology in Africa</i> . 2005. 15(2),117-124.	1.00
Edwards,DJA. "Post-traumatic stress disorder as a public health concern in South Africa". <i>Journal of Psychology in Africa</i> . 2005. 15(2),125-134.	1.00
Edwards,DJA. "Treating PTSD in South African contexts: A theoretical framework and model for the development of evidence-based practice". <i>Journal of Psychology in Africa</i> . 2005. 15(2),209-220.	1.00
Edwards,DJA. "Unconscious influences on discourses about consciousness: Ideology, state-specific science and unformulated experience". <i>The Indo-Pacific Journal of Phenomenology</i> . 2005. 5(1),1-20.	1.00
Karpelowsky,BJ and Edwards,DJA. "Trauma, imagery and the therapeutic relationship: Langu's story". <i>Journal of Psychology in Africa</i> . 2005. 15(2),185-195.	1.00
Mashalaba,E and Edwards,DJA. "A successful cognitive-behavioural intervention that failed: A case study of adolescent conduct disorder at a school for the disadvantaged". <i>Journal of Child and Adolescent Mental Health</i> . 2005. 17(2),69-78.	1.00
Nulty,M and Edwards,DJA. "The experiences and needs of HIV/AIDS counsellors at a South African hospital". <i>Journal of Psychology in Africa</i> . 2005. 15(1),1-10.	1.00
van Wyk,G and Edwards,DJA. "From trauma debriefing to trauma support: A South African experience of responding to individuals and communities in the aftermath of traumatizing events". <i>Journal of Psychology in Africa</i> . 2005. 15(2),135-142.	0.50

Edwards,DJA and Sakasa,P	
<i>Edwards,DJA, Sakasa,P and van Wyk,G. "Trauma, resilience and vulnerability to PTSD: A review and clinical case analysis". Journal of Psychology in Africa. 2005. 15(2),143-153.</i>	0.67
Knoetze,J and Steele,G	
<i>Knoetze,J, Bass,N and Steele,G. "The ravens coloured progressive matrices: Pilot norms for isiXhosa-speaking primary school learners in peri-urban Eastern Cape". South African Journal of Psychology. 2005. 35(2),175-194.</i>	1.00
Labe,D	
<i>Labe,D. "Psychotherapy for post-traumatic stress disorder in a young rape survivor: A case study". Journal of Psychology in Africa. 2005. 15(2),177-184.</i>	1.00
MacDermott,R	
<i>MacDermott,R. "The great arch of unimagined bridges: Integrative play therapy with an abused child". Journal of Psychology in Africa. 2005. 15(2),165-175.</i>	1.00
Painter,D	
<i>Painter,D and van Ommen,CH. "Repetition, emotion, memory and psychotherapy". Psychology in Society. 2005. 32,24-40.</i>	0.50
Swingler,D	
<i>Mohr,P, Pecenak,J, Svestka,J, Swingler,D and Treuer,T. "Treatment of acute agitation in psychotic disorders". Neuroendocrinology Letters. 2005. 26(4),326-335.</i>	0.20
van Ommen,CH	
<i>van Ommen,CH. "Putting the PC in IQ: Images in the WAIS III". South African Journal of Psychology. 2005. 35(3),532-554.</i>	1.00
<i>Painter,D and van Ommen,CH. "Mapping of East London: Sketching identity through place". South African Journal of Psychology. 2005. 35(3),505-531.</i>	0.50
TOTAL FOR PSYCHOLOGY	13.87

RUMEP

BOOKS/CHAPTERS/MONOGRAPHS

Brown,B

Brown,B, Schafer,M and Stoker,J. Learner's guide for Grade 10 - Maths for Life. Juta Gariep. Cape Town. 2005. 199 pp.

Brown,B, Schafer,M and Stoker,J. Teacher's guide for Grade 10 - Maths for Life. Juta Gariep. Cape Town. 2005. 153 pp.

Penlington,T

Penlington,T and Sawula,M. Instamaths Grade 7. Maskew Miller Longman. Cape Town. 2005. 97 pp.

Penlington,T, Sawula,M and Bambiso,N. Instamaths Grade 8. Maskwe Miller Longman. Cape Town. 2005. 96 pp.

Penlington,T, Sawula,M and Bambiso,N. Instamaths Grade 9. Maskwe Miller Longman. Cape Town. 2005. 94 pp.

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

i. Local Conferences (Within South Africa)

Brown,B

Brown,B. "Investigating personal meaning in rational number learning". *First Africa Regional Congress of the International Commission of Mathematical Instruction (ICMI)*. Johannesburg. June 2005.

Penlington,T

Penlington,T. "Multicultural Mathematics - Activities from Around the World". *AMESA 2005 / 11th National Congress of the Association for Mathematics Education in South Africa*. Kimberley, Kimberley. June 2005. 2. 65-67.

Penlington,T and Haywood,T

Penlington,T and Haywood,T. "Teaching development: Improving the quality of mathematics teaching in the Eastern Cape Province by identifying common errors and misconceptions". *Annual Conference of the Kenton Education Association*. Mpekwani Beach Resort, Mpekwani. October 2005. 1-128.

Sainsbury,M

Sainsbury,M. "Developing a computing culture in rural South African teacher communities". *First Africa Regional Congress of the International Commission of Mathematical Instruction (ICMI)*. Johannesburg. June 2005.

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

ii. International Conferences (Outside South Africa)

Spanneberg,R

Spanneberg,R. "Investigating the impact of a professional development university programme on the classroom practices of rural teachers in the Eastern Cape Province, South Africa". *ICMI STUDY 15*. Brazil. May 2005.

CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

Haywood,T

Haywood,T. Presenter. *"Introduction to Analytical Geometry in Grade 10"*. AMESA One day provincial Conference. Walter Sisulu University. Mthatha. 1 - 7 October 2005.

Mkhwane,F

Mkhwane,F. Presenter. *"Straight line graphs - Intermediate Phase"*. AMESA Mathematics Week. Algoa College. Port Elizabeth. 1 - 5 September 2005.

Mkhwane,F. Presenter. *"Straight line graphs - Intermediate Phase"*. AMESA One day provincial Conference. Walter Sisulu University. Mthatha. 1 - 7 October 2005.

Penlington,T

Penlington,T. Presenter. *"Exploring Patterns"*. AMESA One day provincial Conference. Walter Sisulu University. Mthatha. 1 - 7 October 2005.

Penlington,T and Tokwe,T

Penlington,T and Tokwe,T. Presenters. *"Multicultural Mathematics - Activities from Around the World"*. AMESA 2005. Kimberley. 1 - 30 June 2005.

Tokwe,T

Tokwe,T. Presenter. *"Viewing 3-dimensional shapes from different positions"*. AMESA Mathematics Week. Algoa College. Port Elizabeth. 1 - 5 September 2005.

Tokwe,T. Presenter. *"Viewing 3-dimensional shapes from different positions"*. AMESA One day provincial Conference. Walter Sisulu University. Mthatha. 1 - 7 October 2005.

JOURNAL SUBSIDY UNITS

RUMEP	UNITS
TOTAL FOR RUMEP	0.00

SCHOOL OF LANGUAGES

During 2005 there was a drop in the research output of the School of Languages. This should be seen in the context of fluctuating cycles which occur in any department and output is expected to increase in 2006.

During the course of the year Professor François Jaques from French Studies attended a conference in Paris at which he also read a paper. This is part of regular contacts with French colleagues and participation in international conferences.

Professor J Atkinson and Professor J Wardle gave lectures to students in Classical Studies.

Dr. Claire Cordell's PhD thesis was accepted and she graduated in September 2005.

Mr. W D Snowball and Mrs J Snowball published an article on coins of Alexander the Great.

PROFESSOR F. JAQUES
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Jaques,FE

Jaques,FE. "De Gaulle écrivain: ses mémoires". *French Studies in Southern Africa.* 2005. 35,27-37.

Snowball,WD

Snowball,JD and Snowball,WD. "Five unpublished coins of Alexander the Great and his successors in the Rhodes University collection". *Akroterion.* 2005. 50,13.

Vermulen,L

Vermulen,L. "Die vertelsituasie in *Sandkastele* (1995) deur Andre J P. Brink". *Stilet.* 2005. 17(1),188-205.

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

i. Local Conferences (Within South Africa)

Weber,U

Weber,U. "Die Grenzen des Sagbaren? Einblicke in den Umgang mit dem Holocaust und die deutsche Vergangenheitsbewältigung in der Literatur". *Association of German Studies in Southern Africa.* University of Stellenbosch, Stellenbosch. March-April 2005.

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

ii. International Conferences (Outside South Africa)

Jaques,FE

Jaques,FE. "Contemplation in Un adolescent d'autrefois". *Conference Francois Mauriac.* Institut De France, Paris. France. December 2005.

JOURNAL SUBSIDY UNITS

SCHOOL OF LANGUAGES	UNITS
Jaques,FE	
<i>Jaques,FE.</i> "De Gaulle écrivain: ses mémoires". <i>French Studies in Southern Africa.</i> 2005. 35,27-37.	1.00
Snowball,WD	

<i>Snowball,JD</i> and <i>Snowball,WD</i> . "Five unpublished coins of Alexander the Great and his successors in the Rhodes University collection". <i>Akroterion</i> . 2005. 50,13.	0.50
Vermulen,L	
<i>Vermulen,L</i> . "Die vertelsituasie in <i>Sandkastele</i> (1995) deur Andre J P. Brink". <i>Stilet</i> . 2005. 17(1),188-205.	1.00
TOTAL FOR SCHOOL OF LANGUAGES	2.50

SOCIOLOGY AND INDUSTRIAL SOCIOLOGY

The department of sociology was very active in the area of research during 2005. Three chapters in books, six articles in accredited journals, as well as other publications.

Staff attended 17 conferences, nationally and Internationally, the latter includes Finland, Sweden, Italy, England, Zimbabwe and the USA.

Professor Jimi Adesina was re-elected as President to the South African Sociological Association.

Dr. Drewett was elected onto the Executive of the International Association for the Study of Popular Music at the biannual Conference in Rome.

Dr. Darlene Miller was appointed to two editorial boards: Journal of Southern African Studies (UK), Journal of Contemporary African Studies (Southern Africa). She was elected to CODESRIA (Council for Democratic Social Research in Africa) Southern African member (Alternate). Dr. Miller managed to secure a grant of \$35,000 from the Codesria Comparative Research Network for the South Africa in Africa Research Team (Rhodes/Wits/York University collaboration).

The following students will graduate with **honours** degrees:

Olufemi Akanbi (Student No. 602A2725)
David Colley (Student No.602C2283)
Christopher Czypionka (Student No. 601C0515)
Sian Farmer (Student No. 602F2730)
Phiona Gambisa (Student No. 602G0947)
Gertrude Jaricha (Student No. 601J1550)
Eva Karlsson (Student No. 602K6290)
Malebogo Keokilwe (Student No. 602K2139)
Donald Maposa (Student No. 602M0187)
Nyasha Mashozhera (Student No. 601M0808)
Andile Mayekiso (Student No. 601M3525)
Privani Moodley (Student No. 602M0083)
Ntokozo Ndlovu (Student No. 602N2264)
Catherine Ndungu (Student No. 602N0053)
Leena Thakersi (Student No. 602T1814)

Master's degrees

Elizabeth Mfunne
Ashley Sarimana
Other MA results still pending

Doctorate

Wilson Akpan
Other PhD results still pending

DR. M. DREWETT
ACTING HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Coetzee,JKC

Coetzee,JKC and Wood,G. "The fragmentary method in biographical research". In: Volter, B (eds) *Biografieforshung*. Leske and Budrich. Berlin. 2005. 119-139.

Miller,D

Miller,D. "Transition in the Post-apartheid Regional Workplace: Shoprite in Zambia". In: Webster,E and Von Holdt, K (eds) *Beyond the Apartheid Workplace: Studies in Transition*. UKZN Press. Durban. 2005. 243-265.

Mtyingizana,B

Webster,E, Wood,G and *Mtyingizana,B*. "A Survey of Industrial Relations Practices in Mozambique". In: Coughlin, PE (eds) EconPolicy Research Group, Ltd.. Maputo. 2005. 52-108.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**Adesina,JOT**

Adesina,JOT. "Realising the vision: the discursive and institutional challenges of becoming an African University". *African Sociological Review*. 2005. 9(1),23-29.

Hendricks,F

Hendricks,F and *Vale,P*. "The Critical Tradition at Rhodes University: Retrospect and Prospect". *African Sociological Review*. 2005. 9(1),1-13.

Kimani,J and Kisamba,C

Lupele,J, Mwingini,M, Kinyanjui,FK, Kimani,J and *Kisamba,C*. "Methodological decisions in context: The dilemmas and challenges of novice African scholars". *Southern African Journal of Environmental Education*. 2005. 22,46-59.

Klerck,GG

Klerck,GG. "Competition and Cooperation in South Africa's Biotechnology Sector". *Industry and Higher Education*. 2005. 19(2),1-10.

Klerck,GG. "Industrial Restructuring, Labour Market Segmentation and the Temporary Employment Industry in Namibia". *South African Review of Sociology*. 2005. 36(2),

Miller,D

Miller,D. "South Africa and the India-Brazil-South Africa (IBSA) initiative: constraints and challenges". *Africa Insight*. 2005. 35(1),52-57.

Miller,D. "New Regional Imaginaries in Post-Apartheid Southern Africa - Retail Workers at a Shopping Mall in Zambia". *Journal of Southern African Studies*. 2005. 31(1),117-145.

Miller,D. "India, Brazil, South Africa (IBSA): can a global tripartite alliance work?". *South African Labour Bulletin*. 2005. 29(5),32-33.

Roodt,M

Roodt,M. "Rhodes University from Apartheid Vastrap to African Swing". *African Sociological Review*. 2005. 9(1),234-239.

OTHER PUBLICATIONS**Coetzee,JKC**

Coetzee,JKC. "If we had our own toilets and water". Debate: Voices from the South African Left. Interfund. Johannesburg. 2005. 11, 24-25.

Miller,D

Miller,D. "A Africa do Sul e o IBSA: constrangimentos e desafios". *Cena Internacional, Revista de Analise em Politica Internacional*. Cena Internacional. Brazil. 2004. 6(2), 160-179.

Miller,D. "South Africa and the India-Brazil-South Africa (IBSA) initiative". Debate: Voices from the South African Left. Interfund. Johannesburg. 2005. 11.

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

i. Local Conferences (Within South Africa)

Adesina,JOT

Adesina,JOT. "Sociology Beyond Despair: Recovery of Nerve, Endogeneity, and Epistemic Intervention". *South African Sociological Association*. Polokwane. June 2005.

Adesina,JOT. "Good Sociology, Bad Sociology: Interrogating the concept of Public Sociology". *South African Sociological Association*. Polokwane. June 2005.

Drewett,MD

Drewett,MD. "Stop this filth: the censorship of Roger Lucey's music in apartheid South Africa". *32nd Annual Congress of the Musicological Society of Southern African and 19th Ethnomusicological Symposium*. Cape Town. 2005.

Klerck,GG

Klerck,GG. "A Regulatory 'Fix': the rise of the temporary employment industry in post-independence Namibia". *South African Sociological Association*. Polokwane. June 2005.

Mtyingizana,B and Sishuta,HB

Mtyingizana,B and Sishuta,HB. "Service delivery blues in post-apartheid South Africa: Case studies of the Manethon Squatter Camp, EkuRhuleni Municipality and the Makana Municipality". *South African Sociological Association*. Polokwane. June 2005.

Roodt,JJ

Roodt,JJ. *South African Sociological Association*. Polokwane. June 2005.

Sishuta,HB

Sishuta,HB. "Small-scale Irrigation Development for Sustainable Rural Development: Prospects and Challenges: A Case Study of the Tyhefu Irrigation Scheme". *South African Sociological Association*. Polokwane. June 2005.

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

ii. International Conferences (Outside South Africa)

Adesina,JOT

Adesina,JOT. "Strengthening the Stake of the Citizenry: Rethinking Social Policy". *The Advanced Policy and Research Dialogue Workshop*. Abuja. Nigeria. October 2005.

Adesina,JOT. "Beyond Structural Adjustment: the Intellectual and Policy Challenges of Renewal". *11th General Assembly of CODESRIA*. Maputo. Mozambique. December 2005.

Coetzee,JKC

Coetzee,JKC. "Listening to the marginalized: from narratives of hardship and disruption to policy and practice". *11th Annual International Sustainable Development Research Conference*. Helsinki. Finland. June 2005.

Drewett,MD

Drewett,MD. "Lessons from South Africa: Music censorship during apartheid". *Freemuse Music and Censorship in Zimbabwe Seminar*. Harare. Zimbabwe. 2005.

Drewett,MD. "The cultural boycott in South Africa: A case of censorship?". *Making Music, Making Meaning: 13th Biennial Conference of the International Association for the Study of Popular Music*. Rome. Italy. 2005.

Miller,D

Miller,D. "Spaces of Hope in the city - African workers at South African-owned shopping malls". *Seminar*. City University of New York, New York. USA. April 2005.

Miller,D. "Spaces of Hope in the post-Apartheid region - African workers at South African shopping malls". *Seminar*. University of Brown, Providence. USA. April 2005.

Miller,D. "White Managers and the African Renaissance - a retail renaissance or a new colonial encounter at South African companies in foreign, African countries?". *CODESRIA 11th General Assembly*. Maputo. Mozambique. December 2005.

Mtyingizana,B

Mtyingizana,B. "Liberalisation and trade unionism in contemporary Mozambique 1994-2003". *Labour in the 21st Century*. Sheffield University, Sheffield. United Kingdom. July 2004.

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

Drewett,MD. Film show. "*Stopping the Music: A film about apartheid censorship and post apartheid reconciliation*". Clandestino Talks at the Cladestino Festival. Gothenburg, Sweden. 2005.

Miller,D

Miller,D. Workshop. "*The regional firm as an agent of a new regional imaginary: Shoprite in Mozambique and Zambia*". North American Workshop on Southern Africa (NEWSA). USA: Vermont. 22 - 24 April 2005.

Miller,D. Presentation. "*Rhodes Research Project, Joint Research Initiative*". HSRC/CODESRIA/AISA. Dakar, Senegal. 19 May 2005.

Miller,D. Discussant: Television Show. "*Are South African corporations behaving responsibly in Africa*". After-8 Debate with John Perlman: Safm. June 2005.

Miller,D. Discussant: Opening Panel. Ten Years of Media and Teaching. Rhodes University. Grahamstown. 1 - 11 June 2005.

Miller,D. Participant. "*Regional Solidarity and anew regional moment in post-Apartheid Southern Africa - retail workers in Mozambique and Zambia*". Harold Wolpe Lecture. Centre for Civil Society, UKZN. Durban. September 2005.

Miller,D. Panel discussant. "*Lessons from a Case Study: Is South Africa Imperialist?*". ILRIG Globalisation School. Cape Town. September 2005.

Miller,D. Participant. "*Benchmarking South African Multinationals - a performance index of Shoprite in Zambia*". Benchmarks Foundation of Southern Africa (BEFSA). December 2005.

JOURNAL SUBSIDY UNITS

SOCIOLOGY AND INDUSTRIAL SOCIOLOGY	UNITS
Adesina,JOT	
<i>Adesina,JOT.</i> "Realising the vision: the discursive and institutional challenges of becoming an African University". <i>African Sociological Review</i> . 2005. 9(1),23-29.	1.00
Hendricks,F	
<i>Hendricks,F</i> and <i>Vale,P.</i> "The Critical Tradition at Rhodes University: Retrospect and Prospect". <i>African Sociological Review</i> . 2005. 9(1),1-13.	0.50
Kimani,J and Kisamba,C	
<i>Lupele,J, Mwingini,M, Kinyanjui,FK, Kimani,J</i> and <i>Kisamba,C.</i> "Methodological decisions in context: The dilemmas and challenges of novice African scholars". <i>Southern African Journal of Environmental Education</i> . 2005. 22,46-59.	0.40
Klerck,GG	

<i>Klerck,GG.</i> "Competition and Cooperation in South Africa's Biotechnology Sector". <i>Industry and Higher Education.</i> 2005. 19(2),1-10.	1.00
Miller,D	
<i>Miller,D.</i> "South Africa and the India-Brazil-South Africa (IBSA initiative: constraints and challenges". <i>Africa Insight.</i> 2005. 35(1),52-57.	1.00
<i>Miller,D.</i> "New Regional Imaginaries in Post-Apartheid Southern Africa - Retail Workers at a Shopping Mall in Zambia". <i>Journal of Southern African Studies.</i> 2005. 31(1),117-145.	1.00
<i>Miller,D.</i> "India, Brazil, South Africa (IBSA): can a global tripartite alliance work?". <i>South African Labour Bulletin.</i> 2005. 29(5),32-33.	1.00
Roodt,M	
<i>Roodt,M.</i> "Rhodes University from Apartheid Vastrap to African Swing". <i>African Sociological Review.</i> 2005. 9(1),234-239.	1.00
TOTAL FOR SOCIOLOGY	6.90

STATISTICS

Members of the Department of Statistics in 2005 were involved in joint research with the Departments of Zoology and Entomology, Environmental Science and Management. Twelve publications emanated from this collaborative research. The main research project undertaken was the statistical analyses of honeybee populations in Asia, their heritability characteristics and modes of introgression. Professor Radloff, in association with many collaborators, completed a major work on the multivariate morphometric analyses of Asian *Apis cerana*, representing 557 colonies from all of southern mainland Asia extending from Afghanistan to Vietnam south of the Himalayas and 346 colonies from the southern oceanic islands of Asia.

Professor Sarah Radloff received the Vice Chancellor's 2005 distinguished senior research award in recognition of her collaborative research with local and international scientists.

The Department hosted the 52nd Annual Conference of the South African Statistical Association in November 2005. This is the first time that this 5-day conference has been held at Rhodes University. Among the 275 delegates who attended were dignitaries from the SADC region, the Statistician General from Statistics SA and invited internationally renowned statisticians Professors Peter Hall from the Australian National University, Canberra, Australia and Noël Veraverbeke from Universiteit Hasselt, Diepenbeek, Belgium. Jeremy Baxter and Lindsey Bangay presented an introduction to R workshop and Professors Radloff and Szyszkowski and PhD student, Gary Sharp, co-presented a paper on "Lag Length Selection in Cointegrated Models".

Postgraduate Students in 2006:
MSc: 6; PhD: 1

Graduation April 2006:
MSc: 1

PROFESSOR S. RADLOFF
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Baxter,JS

Emanuel,PL, Shackleton,CM and Baxter,JS. "Modelling the sustainable harvest of *Sclerocarya birrea* subsp. *caffra* fruits in the South African low veld". *Forest Ecology and Management*. 2005. 214,91-103.

Hepburn,C

Hepburn,HR and Hepburn,C. "Bibliography of *Apis florea*". *Apidologie*. 2005. 36,377-378.

Radloff,SE

Adendorff,A, Court,P, Radloff,SE and Boshoff,C. "The impact of planning on good governance practices in South African Greek family businesses". *Management Dynamics: Contemporary Research Journal of The Southern Africa Institute for Management Scientists/Bestuursdinamika: Kontemporêre Navorsing Tydskrif Van Die Suider-Afrika Instituut Vir Bestuurwetenskaplikes*. 2005. 14(4),34-46.

Barour,C, Tahar,A, Radloff,SE and Hepburn,HR. "Multivariate analysis of honeybees, *Apis mellifera* Linnaeus (Hymenoptera: Apidae) of the North Eastern and Southern regions of Algeria". *African Entomology*. 2005. 13(1),17-23.

Fuliang,HU, Hepburn,HR, Xuan,H, Chen,M, Daya,S and Radloff,SE. "Effects of propolis on blood glucose, blood lipid and free radicals in rats with diabetes mellitus". *Pharmacological Research*. 2005. 51(2),147-152.

Hepburn,HR, Radloff,SE, Keoniger,N, Koeniger,G and Tingek,T. "Scaling of the pollen-collecting apparatus and dimensional aspects of foraging flight of honey bees (Hymenoptera: Apidae)". *Acta Zoologica Sinica*. 2005. 51(5),947-951.

Hepburn,HR, Radloff,SE, Otis,GW, Fuchs,S, Verma,LR, Ken,T, Chaiyawong,T, Tahmasebi,G, Ebadi,R and Wongsiri,S. "*Apis florea*: morphometrics, classification and biogeography". *Apidologie*. 2005. 36,359-376.

Hu,FL, Hepburn,HR, Li,Y, Chen,M, Radloff,SE and Daya,S. "Effects of ethanol and water extracts of propolis (bee glue) on acute inflammatory animal models". *Journal of Ethnopharmacology*. 2005. 100(3),276-283.

Ken,T, Hepburn,HR, Radloff,SE, Yusheng,Y, Yiqiu,L, Danyin,Z and Neumann,P. "Heat-balling wasps by honeybees". *Naturwissenschaften*. 2005. 92,492-495.

Moritz,RFA, Lattorff,HMG, Neumann,P, Kraus,FB, Radloff,SE and Hepburn,HR. "Rare royal families in honeybees, *Apis mellifera*". *Naturwissenschaften*. 2005. 92,488-491.

Radloff,SE, Hepburn,HR and Fuchs,S. "The morphometric affinities of *Apis cerana* of the Hindu Kush and Himalayan regions of western Asia". *Apidologie*. 2005. 36,25-30.

Radloff,SE and Hepburn,C

Radloff,SE, Hepburn,HR, Fuchs,S, Otis,GW, Hadisoelilo,S, Hepburn,C and Ken,T. "Multivariate morphometric analysis of the *Apis cerana* populations of oceanic Asia". *Apidologie*. 2005. 36,475-492.

Radloff,SE, Hepburn,HR, Hepburn,C, Fuchs,S, Otis,GW, Sein,MM, Aung,HL, Pham,HT, Tam,DQ, Nuru,AM and Ken,T. "Multivariate morphometric analysis of the *Apis cerana* of southern mainland Asia". *Apidologie*. 2005. 36,127-139.

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

i. Local Conferences (Within South Africa)

Bangay,LJ

Bangay,LJ. *52nd Annual Conference of the South African Statistical Association*. Rhodes University, Grahamstown. November 2005.

Baxter,JS

Baxter,JS. *52nd Annual Conference of the South African Statistical Association*. Rhodes University, Grahamstown. November 2005.

Jaeger,G

Jaeger,G. *52nd Annual Conference of the South African Statistical Association*. Rhodes University, Grahamstown. November 2005.

Njovane,LC

Njovane,LC. *52nd Annual Conference of the South African Statistical Association*. Rhodes University, Grahamstown. November 2005.

Radloff,SE and Szyszkowski,I

Sharp,G, Radloff,SE and Szyszkowski,I. "Lag length selection in cointegrated series". *52nd Annual Conference of the South African Statistical Association*. Rhodes University, Grahamstown. November 2005.

Sypkens,R

Sypkens,R. *52nd Annual Conference of the South African Statistical Association*. Rhodes University, Grahamstown. November 2005.

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

ii. International Conferences (Outside South Africa)

Radloff,SE

Shuttleworth-Edwards,A and Radloff,SE. "Residual deficits in visuo-perceptual processing in players of Rugby Union from school through to the professional level". *28th mid-year annual meeting of the International Neuropsychological Society.* Burlington Hotel, Dublin. Ireland. July 2005.

CONCERTS,EXHIBITIONS,PERFORMANCES,WORKSHOPS ETC.

Bangay,LJ

Bangay,LJ. Yes. "Introduction to R Workshop". 52nd Annual Conference of the South African Statistical Association. Rhodes University. Grahamstown. November 2005.

Baxter,JS

Baxter,JS. Yes. "Introduction to R Workshop". 52nd Annual Conference of the South African Statistical Association. Rhodes University. Grahamstown. November 2005.

DISTINGUISHED VISITORS

Professor P Hall. Australian National University, Canberra Australia. Plenary Lecture and Workshop. October-November 2005.

Professor N Veraverbeke. Universiteit Hasselt, Diepenbeek Belgium. Plenary Lecture and Workshop. October-November 2005.

JOURNAL SUBSIDY UNITS

STATISTICS	UNITS
Baxter,JS	
<i>Emanuel,PL, Shackleton,CM and Baxter,JS.</i> "Modelling the sustainable harvest of <i>Sclerocarya birrea</i> subsp. <i>caffra</i> fruits in the South African low veld". <i>Forest Ecology and Management.</i> 2005. 214,91-103.	0.33
Hepburn,C	
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<i>Adendorff,A, Court,P, Radloff,SE and Boshoff,C.</i> "The impact of planning on good governance practices in South African Greek family businesses". <i>Management Dynamics: Contemporary Research Journal of The Southern Africa Institute for Management Scientists/Bestuursdinamika: Kontemporêre Navorsing Tydskrif Van Die Suider-Afrika Instituut Vir Bestuurwetenskaplikes.</i> 2005. 14(4),34-46.	0.25
<i>Barour,C, Tahar,A, Radloff,SE and Hepburn,HR.</i> "Multivariate analysis of honeybees, <i>Apis mellifera</i> Linnaeus (Hymenoptera: Apidae) of the North Eastern and Southern regions of Algeria". <i>African Entomology.</i> 2005. 13(1),17-23.	0.25
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<i>Hu,FL, Hepburn,HR, Li,Y, Chen,M, Radloff,SE and Daya,S.</i> "Effects of ethanol and water extracts of propolis (bee glue) on acute inflammatory animal models". <i>Journal of Ethnopharmacology.</i> 2005. 100(3),276-283.	0.17
<i>Ken,T, Hepburn,HR, Radloff,SE, Yusheng,Y, Yiqiu,L, Danyin,Z and Neumann,P.</i> "Heat-	0.14

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Radloff,SE, Hepburn,HR and Fuchs,S. "The morphometric affinities of <i>Apis cerana</i> of the Hindu Kush and Himalayan regions of western Asia". <i>Apidologie</i> . 2005. 36,25-30.	0.34
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TOTAL FOR STATISTICS	3.18

ZOOLOGY AND ENTOMOLOGY

2005 was another productive research year for the department of Zoology & Entomology, with the staff and students producing 41 papers in peer-reviewed journals. In addition, Professor Adrian Craig made important contributions to the new Roberts "Birds of southern Africa". As well as the published work, staff and students delivered a number of platform papers and posters at local conferences in Durban and Grahamstown. Whilst Professor Christopher McQuaid was invited to Malaysia to present research findings of the Southern Ocean Group, others travelled to The Netherlands, Mexico, Germany, France, USA and UK to attend and present work at conferences. The staff of the department continued to forge strong research ties with international scientists. For example, Professor Alan Hodgson spent time at the Marine Biological Association in Plymouth as a Ray Lankester visiting investigator, Professor Craig visited colleagues at the University of Rennes (France), Professor Hepburn journeyed to China in pursuit of bees, and Professor Martin Hill travelled to Argentina as part of his biocontrol research programme. In recognition of his research excellence, Professor Hill was awarded the 2005 Vice-Chancellor's research award. The department's research excellence continued to attract both local and foreign students to the postgraduate school, with foreign students coming from Canada, Chile, Italy, Germany, Zimbabwe, Reunion, and Kenya. This vibrant postgraduate school will, in 2006, comprise 5 postdoctoral researchers, 21 MSc and 24 PhD students. At graduation 13 of the department's postgraduates will receive their degrees. The department also played host to a number of international visitors. This included Drs Pete Cranston and Penny Gullan (Davis, California), and a return visit from scientists and students from the University of Halle (Germany).

PROFESSOR A. HODGSON
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Craig,AJFK

Craig,AJFK. "Cardinal Quelea, Red-headed Quelea, Red-billed Quelea, Yellow-crowned Bishop, Black-winged Bishop, Southern Red Bishop, Yellow Bishop, Fan-tailed Widowbird, Yellow-mantled Widowbird, White-winged Widowbird, Red-collared Widowbird, Long-tailed Widowbird". In: Hockey,PAR, Dean,WRJ and Ryan, PG (eds) Roberts - Birds of southern Africa. The Trustees of the Voelcker Bird Book Fund. Cape Town. 2005. 1023-1036.

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

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