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PREFACE

Research and postgraduate studies at Rhodes University continue to go from strength to strength and details of the various research successes and awards, including the Vice-Chancellor's Distinguished Research Awards, are discussed in the highlights section of this report.

Comparisons by the Department of Education and other analysts show that we are one of South Africa's most productive universities and the leading research institution in the Eastern Cape. It is important that we not only maintain, but also improve our research and training of postgraduate students.

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

DR. D.R. WOODS
VICE-CHANCELLOR

INTRODUCTION

This is the first formal research report published by Rhodes University in this format. Each Department's/Faculty's highlights have been included as provided by the Head of Department as well as the research outputs produced. In addition, a table of provisional subsidy units earned by each Department/Faculty have been included as there is often a misconception that one journal article equates to one subsidy unit. This is the case if all the authors are from Rhodes University but where joint articles are written, a pro-rata share is calculated. Likewise due to the complex funding formula calculated by the Department of Education, the total research outputs produced do not equate directly to the subsidisable units. Please note that "in press" articles in 2001 but published in 2002 have already been claimed in 2001 and hence will not appear in the table but are recorded in the report. Articles that have been submitted for possible publication have not been included in the table nor the report as there is no way of proving that the articles have been accepted for publication by the time our submission to the Department of Education was audited. Also please note that subsidy units earned for book/chapter/patent/conference proceedings publications are not included in the subsidy unit tables since we receive no feedback from the Department of Education in terms of which books/chapters/patents/proceedings are finally accepted for subsidy purposes each year. Only a small fraction of such books, chapters, patents and proceedings which are submitted actually receive subsidy.

I would like to stress the need to publish in subsidisable journals and submit accurate information so that the University can claim as many units as possible. The total audited (but not yet awarded) publication subsidy units for journal articles which have been submitted to the Department of Education for 2002 is 206.64 units. The average number of units awarded for the past three years (1999-2001) was 205.35 units. Based on past performance, the University can expect to earn an additional ± 11.85 subsidy units for book, chapters, patents and proceedings publications in 2002. Publications in current non-subsidy earning journals in 2002 amounted to 16.00 units. These have been forwarded to the Department of Education for consideration for subsidy purposes.

Finally, I would like to add my congratulations to that of the Vice-Chancellor to all staff and postgraduate students for their research efforts in 2002.

PROFESSOR J.R. DUNCAN
DEAN OF RESEARCH

RESEARCH HIGHLIGHTS

The main tasks of a university are teaching, research and community service and I am pleased to report that research at Rhodes University continues to flourish. I would like to congratulate all the staff and postgraduate students for their research efforts in 2002. Rhodes continues to be the leading institution in South Africa in terms of research outputs relative to its size. This is very significant and it is critical that this prominence be maintained, particularly in view of the recent restructuring of higher education in South Africa and the greater emphasis likely to be placed on research productivity by the revised funding formula. The major challenges facing research at universities and technikons nationally include the assessment of the quality of research and the establishment of an effective mechanism for measuring research outputs. A number of working groups have been constituted to provide guidelines, but work on the measurement of outputs is being hampered by a lack of guidance about subsidy funding for outputs from the Department of Education.

Following a brutal attack on two researchers in the field, Rhodes introduced a set of guidelines and safety measures for fieldworkers and set up response centres for crisis situations.

An exciting development in 2002 was the establishment of the new Gavin Relly Postgraduate Village at what was the Settlers Inn. The first 52 postgraduate students moved in immediately.

In 2002 Rhodes researchers and departments continued to receive significant funding from a wide variety of sources for research programmes:

- Professor Greg Blatch (Biochemistry, Microbiology & Biotechnology) was awarded the very prestigious Wellcome Trust International Senior Research Fellowship valued at R5 million over five years. This is the first time this award has been made to a researcher who is not in, or associated with, a medical faculty. It is recognition of the excellence of Professor Blatch's research, and of the quality of the research infrastructure at Rhodes.
- Laser equipment worth about R3 million was installed in the Chemistry Department for Professor Tebello Nyokong's research programme for development of drugs for photodynamic therapy.
- The Public Service Accountability Monitor (PSAM) received R2.2 million from the Ford Foundation over three years.
- The First Physical Theatre Company (Drama) received R750 000 from the National Arts Council.
- Mathematics-Information Technology-Science-Technology (MiST) Research Centre was set up thanks to significant funding from the Carnegie Corporation.

In the past four years funding for research at Rhodes has more than doubled and the proportion contributed by private funders has increased from 45% to nearly 60%.

RESEARCH AWARDS

Professor Brian Doolery, of the University of New England, Australia, was awarded the Hobart Houghton Fellowship to carry out research in the Department of Economics & Economic History.

Professor Hanjo Glock (King's College, University of London) was the successful recipient of the Hugh le May Fellowship for 2002 and was hosted by the Department of Philosophy.

Significant research achievements by staff at Rhodes in the past year have included:

- The award of A-rating by the National Research Foundation (NRF) to Professor Michael Brown (Chemistry). An outstanding achievement. Brown is Rhodes's first A-rated scientist.
- Five natural scientists who applied for a re-evaluation by the NRF improved their rating while four others maintained their rating.
- All of the Humanities researchers at Rhodes who applied for a rating under the new system were successful: Professors Vivian De Klerk (English Language & Linguistics), Valerie Møller (ISER), Paul Maylam (History), Etienne Nel (Geography) and Dominic Thorburn (Fine Art).
- Professor Tom Hecht (Ichthyology & Fisheries Science) was awarded the Gilchrist medal for outstanding service to marine science.
- Professor Wesley Kotzé (Mathematics) received the South African Mathematical Society Award for the Advancement of Mathematics.
- Dr William Froneman (Zoology & Entomology) was honoured with the Meiring Naudé Gold Medal for his outstanding contribution to science.
- Dr Winston Leukes and Garth Cambray (Biochemistry, Microbiology & Biotechnology) carried off the National Business Initiative's Enterprise business plan competition prize.

- Professor Alan Hodgson (Zoology & Entomology) was elected as President of the International Society of Invertebrate Reproduction as well as the President of the Zoological Society of southern Africa.
- Professor Randall Hepburn (Zoology & Entomology) was appointed to the International Scientific Boards of the journals *Apidologie* and *Insectes Sociaux*.
- Professor Tebello Nyokong (Chemistry) was inducted as a Fellow of the Royal Society of SA.
- Professor Justin Jonas (Physics & Electronics) has been appointed by the Department of Science and Technology to lead the South African bid for the Square Kilometre Array (SKA) and is a member of the Site Evaluation Committee, an observer on the International SKA Steering Committee and Chairperson of the Committee of International Astronomy Union.
- The Centre of Excellence (CoE) Unit (Computer Science) was named the top performing research group funded in the Information and Communication Technology Programme.
- Professor Andy Gilbert (Psychology, East London) and Dr Tony Booth (Ichthyology & Fisheries Science), were awarded Fulbright Research Scholarships to the University of Texas and University of Alaska respectively.
- Professor Tally Palmer (Institute for Water Research) was the recipient of the Department of Water Affairs and Forestry “Women in Water Awards 2002” and was elected as the Vice-Chairperson of the Water Research Commission Board.
- Rose Boswell and Kelly Luck (both of Anthropology) received the Belgium Development Co-operation prize for scholarly research and writing.
- Dr Janice Limson (Biochemistry, Microbiology & Biotechnology) was awarded a National Science and Technology forum prize for her “outstanding contribution to science, engineering and technology” through the editorship of *Science in Africa*.
- Professor Gary Gordon (Drama) was nominated for the FNB Vita Award for Most Outstanding presentation of an Original Contemporary Work for his work *Rock-a-bye for a Sleeping Man and a Barking Dog*.
- Dr Julia Wells (History) was a Tourism Women of the Year finalist.
- Dr Susan Smith (Afrikaans, East London) won an Eastern Cape Premier’s Arts and Culture Award for exceptional contribution to Afrikaans in the Eastern Cape.

VC’S AWARDS & BOOKS

Two Vice-Chancellor’s Research awards were made in 2002. The Distinguished Research Awardee was Professor Warwick Sauer (Ichthyology & Fisheries Science) and the Senior Distinguished Awardee was Professor Christopher McQuaid (Zoology & Entomology).

Rhodes instituted a “Vice-Chancellor’s Book Award” to recognise the publication of books that bring credit to the University and the first recipient was Professor Jan Coetzee (Sociology & Industrial Sociology) for his books entitled: *Plain Tales from Robben Island and Fallen Walls: voices from the cells that held Mandela and Havel* written in conjunction with Lynda Gilfillan and Otakar Hulec and launched in 2002.

Other books published this year include:

- *Socio-political and Psychological Perspectives on South Africa* edited by Professor Christopher Stones (Psychology).
- *The South African Concise Oxford Dictionary* edited by the Dictionary Unit.
- *The Hotazel Years* by Professor Obie Oberholzer (Fine Art).
- *A History of New Brighton, Port Elizabeth, South Africa 1903-1953: The Detroit of the Union* by Dr Gary Baines (History).
- *Dead Leaves* by Dr Dan Wylie (English).
- *Life in Buffalo City* by the Institute of Social & Economic Research, East London.

OVERSEAS STUDY & TRAVEL

Several Rhodes postgraduate students were awarded prestigious local and overseas scholarships.

- Matthew Charlesworth (Information Systems) and Acty Tang (Drama) were the joint recipients of the Abe Bailey Trust travel bursary to England and Scotland.
- Michael Knott (Pharmacy) was awarded a Fulbright Scholarship to study towards a PhD at a North American institution.
- Andrew Makinson received a Commonwealth UK Scholarship. A number of staff received prestigious research grants and travel awards to overseas institutions.
- Professor Alan Hodgson (Zoology & Entomology) was awarded the Ray Lankester Visiting Investigatorship at the Marine Biological Laboratory in Plymouth and the Royal Society of London Research Grant.
- Ernest Oppenheimer Overseas Sabbatical Support Grants went to Professor Malvern van Wyk Smith, Dr Wendy Jacobson (both of English) and Professor Patrick Fein (School of Languages).

- Lucie Allan (Pharmacy) and Daydri Matthee (Psychology) qualified for Anglo American Chairman's Fund Educational Trust international conference grants.

CONFERENCES

Numerous highly successful research conferences were held at Rhodes during the year. These included:

- The 7th Annual Conference of the African Association for Lexicography (Dictionary Unit).
- Highway Africa 2002 (Journalism & Media Studies).
- Lifelong Learning in Pharmacy (Pharmacy).
- Colonial and Post-colonial Cultures of the Book (English).
- South African Association of Botanists Meeting (Botany).
- The 32nd Southern African Computer Lecturers' Association Conference (Computer Science & Information Systems).
- Anthropology Southern Africa Conference (Anthropology).
- Rhodes postgraduate students in general also excelled at various national and international conferences with numerous students receiving awards for papers and poster presentations.

A very encouraging trend has been the high quality of applicants for prestigious research fellowships and scholarships at Rhodes. There were approximately 400 applicants for the Rhodes University, Henderson, Mellon and Allan Gray Scholarships for Honours, Masters and Doctoral study. In all a total of 52 new and renewal scholarships were awarded. The first of the Andrew Mellon Postdoctoral Fellowships in the Humanities were awarded (2) and 30 candidates received Andrew Mellon Honours Scholarships.

PROFESSOR JOHN DUNCAN
DEAN OF RESEARCH

ACCOUNTING (GRAHAMS TOWN)

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

i. Local Conferences (Within South Africa)

Maree,K

Maree,K, Court,P and Radloff,SE. "An assessment of certain financial measures as indicators of intellectual value". 11th Annual Conference of the South African Financial Association. University of Cape Town, Cape Town. January 2002.

SUBSIDY UNITS EARNED

| ACCOUNTING | UNITS | IN PRESS | NON SAPSE |
|----------------------|-------|----------|-----------|
| TOTAL FOR ACCOUNTING | 0.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

ACCOUNTING (EAST LONDON)

OTHER PUBLICATIONS

Bunting,M

Bunting,M. Financial Reporting in South Africa. Self published. East London. 2002. 1-710.

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

i. Local Conferences (Within South Africa)

Bartlett,G

Visser,S and Bartlett,G. "Whither Management Accounting? The effect of globalisation and culture on management accounting practices.". Annual Conference - Woman in Research. Med School : UCT, Cape Town. February 2002. 1. 1-22.

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

ii. International Conferences (Outside South Africa)

Bartlett,G

Visser,SS and Bartlett,G. "Contemporary Management Accounting, navigating the stages: echoes from Africa". Annual Conference of the Institute of Management Accountants. Town and Country Hotel, San Diego. USA. June 2002. 1. 1-24.

SUBSIDY UNITS EARNED

| ACCOUNTING (East London) | UNITS | IN PRESS | NON SAPSE |
|------------------------------------|-------|----------|-----------|
| TOTAL FOR ACCOUNTING (East London) | 0.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

ACADEMIC DEVELOPMENT CENTRE (GRAHAMSTOWN)

ADC research interests lie in the general area of the development of academic staff as educators. In the current higher education context, Quinn and McKellar's paper is particularly significant as it critically examines one possible model for a staff appraisal system. Boughey's work draws on a background in a field which has become known as 'New Literacy Studies' to question dominant approaches to language development at tertiary level. This is done through a discourse analysis of documentation at one South African university as well as a piece of research which examines the experiences of staff who need to engage with texts in a new disciplinary area to question dominant assumptions about language and, more particularly, reading.

CHRISSIE BOUGHEY
DIRECTOR

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Boughey,C

Boughey,C. "Naming Students Problems: An analysis of language-related discourses at a South African University". Teaching in Higher Education. 2002. 7(3),295-307.

Quinn,L

Quinn,L and McKellar,T. "Performance appraisal: Carrot or Stick?". South African Journal of Higher Education. 2002. 16(3),73-81.

OTHER PUBLICATIONS

Boughey,C

Irwin,P, Euvrard,G, Radloff,SE and Boughey,C. "Why go to lectures? A survey of student perceptions of the value of lectures". Rhodes University. Grahamstown. 2002.

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

i. Local Conferences (Within South Africa)

Nelson,R

Pearse,NJ, Amos,TL and Nelson,R. "Implementing constructivism: An evaluation of a managerial skills development programme". Student Centred learning: Challenges and Opportunities for knowledge in Southern Africa. Wits University, Johannesburg. December 2002.

Quinn,L and Vorster,J

Quinn,L and Vorster,J. "Transforming teachers' perceptions of teaching and learning in a PGCHE course". Student Centred Learning: Challenges and Opportunities for Knowledge Production in South Africa. University of the Witwatersrand, Johannesburg. December 2002.

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

ii. International Conferences (Outside South Africa)

Boughey,C

Boughey,C. "Examining Expertise: An inquiry into the way mainstream academics engage with educational discourses". 4th World Conference of the International Consortium for Educational Development. University of Western Australia, Perth. Australia. July 2002.

SUBSIDY UNITS CLAIMED

| ACADEMIC DEVELOPMENT CENTRE | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Boughey,C | | | |
| <i>Boughey,C. "Naming Students Problems: An analysis of language-related discourses at a South African University". Teaching in Higher Education. 2002. 7(3),295-307.</i> | 1.00 | | |
| Quinn,L | | | |

| | | | |
|---|------|--|--|
| <i>Quinn,L and McKellar,T. "Performance appraisal: Carrot or Stick?". South African Journal of Higher Education. 2002. 16(3),73-81.</i> | 0.50 | | |
| TOTAL FOR ACADEMIC DEVELOPMENT CENTRE | 1.50 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

ACADEMIC DEVELOPMENT CENTRE (EAST LONDON)

Two members of our department were fortunate to receive funding from the Rhodes University Joint Research Committee to present papers at overseas conferences in 2002: Tippy McKellar presented a paper entitled "Change our assessment practices? Why should we? The theory behind assessment practices" in August at a conference at the University of Northumbria in Newcastle on Learning Communities and Assessment cultures and Christine Thomen presented a paper entitled "Processes and challenges of using Activity Theory for the analysis of data: An example from educational research" at the Fifth Congress of the International Society for Cultural Research and Activity Theory (ISCRAT) held at the Vrije Universiteit in Amsterdam in June.

Mrs McKellar and Dr Thomen also presented papers at the Academic Development Conference held at the Witwatersrand University in Johannesburg in December: Mrs McKellar's presented a revised version of her earlier paper whilst Dr Thomen co-presented a paper entitled "Assessing students' performance in first year university Management tutorials".

Mrs McKellar published "Performance appraisal: Carrot or stick? " in the South African Journal of Higher Education and Dr Thomen submitted papers for publication in Mind, Culture and Activity and the South African Journal of Higher Education.

Current projects being under taken by members of the RUEL ADC include:

- an initiative to integrate the development of student writing and literacy acquisition into mainstream courses;
- the development of writing intensive courses;
- a preliminary investigation into the Recognition of Prior Learning (RPL) at institutions in the Eastern Cape Province; and
- research into the effectiveness of teaching and learning strategies in an end-user computing course at a Technikon in the Eastern Cape Province.

TIPPY MCKELLAR

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

McKellar,T

Quinn,L and McKellar,T. "Performance appraisal: Carrot or Stick?". South African Journal of Higher Education. 2002. 16(3),73-81.

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

i. Local Conferences (Within South Africa)

Thomen,C

Thomen,C. Challenges & strategies in designing, piloting and replicating education, training and development models. Pine Lodge Inn, Port Elizabeth. October 2002.

Thomen,C. International RPL conference. Holiday Inn, Cape Town. October 2002.

Thomen,C. "Assessing students' performance in first year university Management tutorials". Academic Development Conference. University of Witwatersrand, Johannesburg. December 2002.

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

ii. International Conferences (Outside South Africa)

McKellar,T

McKellar,T. "Change our assessment practices? Why should we? The theory behind assessment practice". *Northumbria EARLI SIG/University of Northumbria Conference.* University of Northumbria, Newcastle. UK. August 2002.

Thomen,C

Thomen,C. "The processes and challenges of using Activity Theory for the analysis of data: An example from educational research". *Fifth Congress of the International Society for Cultural Research and Activity Theory (ISCRAT) Conference.* Vrije Universiteit, Amsterdam. The Netherlands. June 2002.

SUBSIDY UNITS CLAIMED

| ACADEMIC DEVELOPMENT CENTRE (East London) | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| McKellar,T | | | |
| <i>Quinn,L and McKellar,T.</i> "Performance appraisal: Carrot or Stick?". <i>South African Journal of Higher Education.</i> 2002. 16(3),73-81. | 0.50 | | |
| TOTAL FOR ACADEMIC DEVELOPMENT CENTRE (East London) | 0.50 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

ANTHROPOLOGY

2002 was a productive year for the Department of Anthropology, with two editions of the book of which Robin Palmer was principal editor and contributor (From Conflict to Negotiation: Nature-Based Development on South Africa's Wild Coast; Pretoria: Human Sciences Research Council) coming out. The second edition was specially commissioned to coincide with the World Summit on Sustainable Development in Johannesburg in August 2002. Palmer co-authored ten of the thirteen chapters of the book.

In addition, 2002 saw the publication by other staff members of three chapters in books (published in the United Kingdom and in Mauritius respectively) and three articles in journals. Consultancy work resulted in a substantial co-authored policy report on the implications of the planned expansion of the Addo Elephant Park for the resettlement of people who will have to move to make way for that expansion, as well as the preparation of a two day teaching module on human resettlement arising out of dam construction in Thailand, for the Refugee Studies Centre at the University of Oxford. Four book chapters or substantial articles for international encyclopaedias are currently in press, due to come out in 2003.

PROFESSOR C. DE WET
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Bernard,P

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. London. 2002. (2). (In Press).

Bernard,P. "Indigenous knowledge and the cultural importance of woodland and forest species in southern Africa: the case of ubulawu". In: Lawes,M et al(eds) The use and value of indigenous forests and woodlands in South Africa. University of Natal Publishers. Pietermaritzburg. 2002. (In Press).

Bernard,P and Kumalo,S. "CBNRM traditional governance and spiritual ecology in Southern Africa: The case of chiefs diviners and spirit mediums". In: Fabricius, C et al(eds) The myths and realities of community based natural resource management in Southern Africa. Earthscan. London. 2002. (In Press).

Boswell,R

Boswell,R. "From Ramgoolam to Ramgoolam : An Analysis of the Mauritian Foreign Policy-Making Process". In: Adar, K and Ajulu, R(eds) Globalisation and Emerging Trends in African States' Foreign Policy-Making Process: A comparative perspective of Southern Africa. Ashgate. Aldershot. 2002. 91-116.

de Wet,CJ

Fabricius,C and de Wet,CJ. "The influence of forced removal and land restitution on conservation in South Africa". In: Chatty,D and Colchester, M(eds) Conservation and mobile indigenous peoples. Berghan Books. Oxford. First Edition. 2002. (B2), 149-165.

de Wet,CJ. "Development-induced displacement and resettlement". In: Gibney,M and Hansen, R(eds) Global Migration: an Encyclopaedia. ABC-CLIO. Santa Barbara. First Edition. (In Press).

Palmer,RCG

Fay,D and *Palmer,RCG.* "Poverty and differentiation at Dwesa-Cwebe". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 144-170.

Fay,D and *Palmer,RCG.* "Poverty and differentiation at Dwesa-Cwebe". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 146-172.

Fay,D, *Timmermans,H and Palmer,RCG.* "Closing the Forests: Segregation, Exclusion and their Consequences from 1936 to 1994". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 77-109.

Fay,D, *Timmermans,H and Palmer,RCG.* "Closing the Forests: Segregation, Exclusion and their Consequences from 1936 to 1994". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 78-110.

Fay,D, *Timmermans,H* and *Palmer,RCG*. "Competing for the Forests: Annexation, Demarcation and their Consequences from 1878 to 1936". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 47-76.

Fay,D, *Timmermans,H* and *Palmer,RCG*. "Competing for the Forests: Annexation, Demarcation and their Consequences from 1878 to 1936". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 48-77.

Palmer,RCG and Fay,D. "The Residents". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 15-29.

Palmer,RCG and Fay,D. "The Residents". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 15-29.

Palmer,RCG, Fay,D and *Timmermans,H*. "Introduction". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002.

Palmer,RCG, Fay,D, *Timmermans,H* and *Fabricius,C*. "A Development vision for Dwesa-Cwebe". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 270-303.

Palmer,RCG, Fay,D, *Timmermans,H* and *Fabricius,C*. "A Development vision for Dwesa-Cwebe". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 272-305.

Palmer,RCG, Fay,D, *Timmermans,H*, Lewis,F and Viljoen,J. "Regaining the forests: Reform and development from 1994 to 1999". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 110-143.

Palmer,RCG, Fay,D, *Timmermans,H*, Lewis,F and Viljoen,J. "Regaining the forests: Reform and development from 1994 to 1999". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 111-145.

Palmer,RCG and Kralo,K. "The Outsiders". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 30-46.

Palmer,RCG and Kralo,K. "The Outsiders". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 30-47.

Palmer,RCG and *Timmermans,H*. "Conclusion". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 304-309.

Palmer,RCG and *Timmermans,H*. "Conclusion". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 306-311.

Palmer,RCG and Viljoen,J. "Contemporary Tourism at Dwesa-Cwebe". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 197-217.

Palmer,RCG and Viljoen,J. "Contemporary Tourism at Dwesa-Cwebe". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 199-219.

Palmer,RCG and Viljoen,J. "South Africa and the new tourism". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 218-253.

Palmer,RCG and Viljoen,J. "South Africa and the new tourism". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 220-255.

OTHER PUBLICATIONS

Boswell,R

Boswell,R. "Dealing With Tags of Disability: Creole Identity and Economy in Mauritius". *Revi Kiltin Kreol/Creole Cultural Review*. African Cultural Centre. Port Louis, Mauritius. 2002. 1, 17-26.

de Wet,CJ

de Wet,CJ. "Can everybody win? Economic displacement and population displacement". *Anthropology Southern Africa*. Pretoria. 2002. 25(2-Jan), 28-38.

de Wet,CJ. "Improving Outcomes in Development-Induced Displacement and resettlement Projects". *Forced Migration Review (Oxford)*. 2002. 12, 6-9.

de Wet,CJ. "Improving Outcomes in Development-Induced Displacement and Resettlement projects". *Journal of Hohai University, Nanjing, China*. Nanjing, China. 2002. 4(2), 16-20.

de Wet,CJ. "Development-Induced Displacement and Resettlement, with special reference to Pak Mun Dam in Thailand". *Oxford University Refugee Studies Centre*. Oxford. U K. 2002.

Huggins,G, *de Wet,CJ* and Connor,TK. "Greater Addo National Elephant Park Conservation Project: Resettlement Policy Framework". Port Elizabeth. 2002. 1-83.

Palmer,RCG

Palmer,RCG. "From conflict to negotiation: Nature-based development on South Africa's Wild Coast". *Palmer,RCG, Timmermans,H and Fay, D(eds) HSRC*. Pretoria. First Edition. 2002. 1-321.

Palmer,RCG. "From conflict to negotiation: Nature-based development on South Africa's Wild Coast". *Palmer,RCG, Timmermans,H and Fay, D(eds) HSRC*. Pretoria. Second Edition. 2002. 1-334.

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

i. Local Conferences (Within South Africa)

Bernard,P

Bernard,P. "Embodiment and sacrifice in Zulu diviner initiatory rituals". *Association for Anthropology in Southern Africa (ASA)*. Rhodes University, Grahamstown. September 2002.

Vena,Z and Bernard,P. "Rights to knowledge resources and compensation: Social and ethical issues in the commodification of IKS". *Indigenous Plant Use Forum*. Pine Lodge, George. 2002.

Boswell,R

Boswell,R. "Negotiating the Past, Changing the Future: Heritage, Tourism and Identity among Creoles in Chamarel and Le Morne, Mauritius". *Association for Anthropology in Southern Africa (ASA)*. Rhodes University, Grahamstown. September 2002.

de Wet,CJ

de Wet,CJ. "Development-Induced Displacement and Resettlement". *Association For Anthropology in Southern Africa*. Rhodes University, Grahamstown. September 2002.

Palmer,RCG

Palmer,RCG. *WSSD Parallel event: DFID Workshop (Linking Poverty Reduction and Environmental Management: A shared Agenda for Action)*. NASREC, Johannesburg. August 2002.

Palmer,RCG. "The WSSD: Anthropological impressionism". *Association for Anthropology in Southern Africa (ASA)*. Rhodes University, Grahamstown. September 2002.

Whisson,MG

Whisson,MG. "Reflections and Relationships: Forty Good Years". *Association for Anthropology in Southern Africa*. Rhodes University, Grahamstown. September 2002.

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

ii. International Conferences (Outside South Africa)

Boswell,R

Boswell,R. "In the Politics of the Rainbow: Creoles and Civil Society in Mauritius". The Development Cooperation Prize Ceremony. Tervuren. Belgium. May 2002.

Boswell,R. "Finding our Roots: Transnationalism and Political Culture in Mauritius". European Association for Social Anthropology (EASA). Copenhagen. Denmark. August 2002.

de Wet,CJ

de Wet,CJ. "Improving Outcomes in Development-Induced Displacement and Resettlement Projects". International Symposium on Resettlement and Social Development. Nanjing, China, Nanjing. China. May 2002. 4. 2. 16-20.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

de Wet,CJ

de Wet,CJ. Number of areas, China. 10 - 21 May 2002.

DISTINGUISHED VISITORS

Dr C Obbo. Independent Aids researcher based in France, Lectures. September 2002.

Emeritus Professor AW Southall. University of Wisconsin, Madison, USA. Key note speech at conference and lectures. September 2002.

SUBSIDY UNITS CLAIMED

| ANTHROPOLOGY | UNITS | IN PRESS | NON SAPSE |
|------------------------|-------|----------|-----------|
| TOTAL FOR ANTHROPOLOGY | 0.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

BIOCHEMISTRY MICROBIOLOGY & BIOTECHNOLOGY

A highlight of research from this Department was the prestigious award of the Wellcome Trust International Senior Research Fellowship to Professor Greg Blatch. This is the first time such an award has been made to an Institute that is not attached to a Medical facility. Professor Peter Rose, who heads up the Environmental Biotechnology Unit, has completed his reports on Salinity, Sanitation and Sustainability. This piece of work has culminated from a 10-year study involving concerted research into critical sustainability issues in a water scarce Southern Africa situation. More specifically it brings together findings on the Integrated Algal Ponding System for the treatment of saline, domestic and industrial wastewaters coupled with the Rhodes BioSURE Process. Professor Rose's group has successfully completed one of the first of the Department of Arts and Culture, Science and Technology (DACST) Innovation fund projects which developed novel technologies for mine water treatment. Dr Leukes continues to develop his 'iqilika' mead-from-honey programme. He and his research team has been successful in establishing a Biotechnology Initiative Project as well as win the Enterprise Competition of National Business Initiative for The Best Export Concept. Furthermore Dr Leukes has presented his research on SABC 1,2 and 3, e-TV and CNN programmes relating to entrepreneurship and productivity. Dr Limson won the award of Communication for Africa from the National Science and Technology Forum. Professor Whiteley, Dr Pletschke and Dr Burgess have also shown promise in exploiting a dried 'cocktail' of enzymes for the bioremediation of industrial wastewaters and the removal of organic nutrients and valuable metals.

PROFESSOR C. WHITELEY
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Antunes,APM and Duncan,JR

Antunes,APM, Duncan,JR, Watkins,GM and Maclear,A. "The removal of Gold from solution by the viable microbial biomass *Phomas sp.*". *Resource and Environmental Biotechnology*. 2002. 3,229-230.

Blatch,GL

Blatch,GL, Hennessy,F, Dudek,J, Volkmer,J, Bies,C, Guth,S, Muller,A, Lerner,M, Feick,P, Schafer,K-H, Morgenstern,E, Janoscheck,K-H, Heim,N, Scholtes,P, Frien,M, Nastainczyk,W and Zimmermann,R. "A novel type of cochaperone mediates transmembrane recruitment of DnaK-like chaperones to ribosomes". *The Embo Journal*. 2002. 21,2958-2967.

Odunuga,O, Hornby,JA, Bies,C, Zimmerman,R, Pugh,DJ and Blatch,GL. "Tetratricopeptide repeat motif-mediated Hsc70-mSTI1 interaction: molecular characterization of the critical contacts for successful binding and specificity". *Journal of Biological Chemistry*. 2002. (In Press).

Blatch,GL and Dorrington,RA

Idicula,AM, Blatch,GL, Cooper,TG and Dorrington,RA. "Binding and activation by the Zn cluster transcription factors of *Saccharomyces cerevisiae*: Redefining the UASGABA and its interactions with Uga3p". *Journal of Biological Chemistry*. 2002. 277,45977-45983.

Leukes,WD

Froneman,PW, Ansoorge,IJ, Vumazonke,L, Gulekana,K, Bernard,K, Webb,AM, Leukes,WD, Risien,CM, Thomalla,S, Hermes,J, Knott,M, Anderson,D, Hargey,N, Jennings,M, Veitch,J, Lutjeharms,JRE and McQuaid,CD. "Physical and biological variability in the Antarctic Polar Frontal Zone: Report on research cruise 103 of MV SA Agulhas". *South African Journal of Science*. 2002. 98(11/12),534-534.

Leukes,WD, Edwards,E and Bezuidenhout,J. "Ultrafiltration of petrochemical industrial wastewater using immobilised manganese peroxidase and laccase: Application in the defouling of polysulphone membranes". *Desalination*. 2002. 149(1,2,3),275-278.

Pletschke,BI, Rose,PD and Whiteley,CG

Pletschke,BI, Rose,PD and Whiteley,CG. "The enzymology of sludge solubilisation utilising sulphate reducing systems. Identification and properties of ATP-sulphurylases". *Enzyme and Microbial Technology*. 2002. 31(3),329-336.

Rose,PD and Duncan,JR

van Hille,R, Nightingale,L, Rose,PD and Duncan,JR. "Biogenic alkalinity - a viable alternative to existing treatment strategies for acid mine drainage remediation". *Biodegradation*. 2002. (In Press).

Whiteley,CG

Whiteley,CG. "Acetamidoquinone derivatives as inhibitors for dihydroxyacetamido epoxidase and dihydroxyacetamido dehydrogenase". *Bioorganic and Medicinal Chemistry*. 2002. 10,1221-1227.

Whiteley,CG, Pletschke,BI and Rose,PD

Whiteley,CG, Pletschke,BI, Rose,PD and Ngesi,N. "Specific Sulphur Metabolites Stimulate β -Glucosidase Activity in an Anaerobic Sulphidogenic Bioreactor". *Biotechnology Letters*. 2002. 24(18),1509-1513.

Whiteley,CG, Pletschke,BI, Rose,PD and Melamane,X. "Enzymology of enhanced sludge solubilisation: Properties of lipases". *Water Research*. 2002. (In Press).

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

Whiteley,CG, Heron,P, Rose,PD, Pletschke,BI, van Jaarsveld,FP, Tshivhunge,AS and Whittington-Jones,K. "The enzymology of sludge solubilisation utilising sulphate reducing systems. Properties of proteases and phosphatases". *Enzyme and Microbial Technology*. 2002. 31(4),419-424.

Whittington-Jones,K and Rose,PD

Whittington-Jones,K, Ristow,NE, Corbett,C, Rose,PD and Hansford,GS. "Modelling of a recycling sludge bed reactor using AQUASIM". *Water SA*. 2002. 28(1),111-120.

Zubrzycki,I

Zubrzycki,I. "Homology Modelling and Molecular Dynamics: Study of NAD-Dependent Glycerol-3-Phosphate Dehydrogenase from *Trypanosoma brucei* rhodesiense, a Potential Target Enzyme for Anti-Sleeping Sickness Drug Development". *Biophysical Journal*. 2002. 82,2906-2915.

OTHER PUBLICATIONS**Rose,PD**

Rose,PD. "Salinity, Sanitation and Sustainability: A study in Environmental Biotechnology and Integrated Wastewater Beneficiation in South Africa: An Overview". Rose, PD(eds) Water Research Commission TT 187/02. Water Research Commission. Pretoria. 2002. 1.

Maart,BA, Shipin,O, Rose,PD and Dunn,KM. "Salinity, Sanitation and Sustainability: A study in Environmental Biotechnology and Integrated Wastewater Beneficiation in South Africa: Integrated algal ponding systems and the treatment of saline wastewaters: Meso-saline Wastewaters - The *Spirulina* model". Rose, PD(eds) Water Research Commission TT 188/02. Water Research Commission. Pretoria. 2002. 2(1).

Rose,PD, Boshoff,GE and Molipane,NP. "Salinity, Sanitation and Sustainability: A study in Environmental Biotechnology and Integrated Wastewater Beneficiation in South Africa: Integrated algal ponding systems and the treatment of domestic and industrial wastewaters: Mine drainage wastewaters - The ASPAM model". Rose, PD(eds) Water Research Commission TT 192/02. Water Research Commission. Pretoria. 2002. 3(3).

Rose,PD and Hart,OO

Rose,PD, Hart,OO, Shipin,O and Ellis,PD. "Salinity, Sanitation and Sustainability: A study in Environmental Biotechnology and Integrated Wastewater Beneficiation in South Africa: Integrated algal ponding systems and the treatment of domestic and industrial wastewaters: The AIWPS Model". Rose, PD(eds) Water Research Commission TT 190/02. Water Research Commission. Pretoria. 2002. 3(1).

Rose,PD, Hart,OO, Shipin,O and Muller,JR. "Salinity, Sanitation and Sustainability: A study in Environmental Biotechnology and Integrated Wastewater Beneficiation in South Africa: Integrated algal ponding systems and the treatment of domestic and industrial wastewaters: Abattoir Wastewaters". Rose, PD(eds) Water Research Commission TT 191/02. Water Research Commission. Pretoria. 2002. 3(2).

Rose,PD and Whittington-Jones,K

Rose,PD, Corbett,C and Whittington-Jones,K. "Salinity, Sanitation and Sustainability: A study in Environmental Biotechnology and Integrated Wastewater Beneficiation in South Africa: Integrated algal ponding systems and the treatment of domestic and industrial wastewaters: The Rhodes BioSure Process: Bidesalination of Mine Drainage Wastewaters". Rose, PD(eds) Water Research Commission TT 195/02. Water Research Commission. Pretoria. 2002. 4(1).

Whittington-Jones,K and Rose,PD

Corbett,C, Whittington-Jones,K and Rose,PD. "Salinity, Sanitation and Sustainability: A study in Environmental Biotechnology and Integrated Wastewater Beneficiation in South Africa: Integrated algal ponding systems and the treatment of domestic and industrial wastewaters: The Rhodes BioSure Process: Enhanced hydrolysis of organic carbon substrates - Development of the recycling sludge bed reactor". Rose, PD(eds) Water Research Commission TT 196/02. Water Research Commission. Pretoria. 2002. 4(2).

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

Blatch,GL. "Development of Bioinformatics and Computational Molecular Biology at Rhodes University". *SANBI Bioinformatics Conference*. University of Cape Town, Cape Town. September 2002.

Matambo,TS, Odunuga,OO and Blatch,GL. "Biochemical characterization of *Plasmodium falciparum* heat shock protein 70". *South African Society for Biochemistry and Molecular Biology: Eastern Cape Section*. University of Fort Hare, Fort Beaufort. November 2002.

Modisakeng,W and Blatch,GL. "Isolation and characterization of genes encoding heat shock proteins from the coelacanth, *Latimeria chalumnae*". *South African Society for Biochemistry and Molecular Biology: Eastern Cape Section*. University of Fort Hare, Fort Beaufort. November 2002.

Tanner,D, Kaye,PT and Blatch,GL. "Biochemical characterisation of *Plasmodium falciparum* DOXP-reductoisomerase and the rational design and screening of novel anti-malarial drugs". *South African Society for Biochemistry and Molecular Biology: Eastern Cape Section*. University of Fort Hare, Fort Beaufort. November 2002.

Dorrington,RA

Matcher,G, Burton,S and Dorrington,RA. "Novel hydantoinase and NCAAAH enzyme activity in *Pseudomonas* [RU-RU-KM3S]". *South African Society for Microbiology*. University Orange Free State, Bloemfontein. April 2002.

Hartley,CJ and Dorrington,RA

Clark,S-A, Hartley,CJ and Dorrington,RA. "The heterologous over-expression of two N-carbamyl amino acid aminohydrolase enzymes from *Agrobacterium tumefaciens*". *South African Society for Microbiology*. University Orange Free State, Bloemfontein. April 2002.

Hartley,CJ, Dorrington,RA and Jiwaji,M. "Molecular characterisation of the regulation of the hydantoin hydrolyzing enzyme system in *Agrobacterium tumefaciens* RU-OR". *South African Society for Microbiology*. University Orange Free State, Bloemfontein. April 2002.

Hendry,DA

Luke,G, Gordon,K, Hanzlik,T and Hendry,DA. "A full-length cDNA clone of *Nudaurelia* beta virus RNA". *South African Society for Microbiology*. University Orange Free State, Bloemfontein. April 2002.

Moore,S, Richards,G and Hendry,DA. "Infectivity, virulence, and efficacy of CIGV-SA, a South African isolate of *Cryptophlebia leucotreta* granulovirus". *South African Society for Microbiology*. University Orange Free State, Bloemfontein. April 2002.

Singh,S, Moore,S and Hendry,DA. "Characterization of CIGV-SA, a South African isolate of *Cryptophlebia leucotreta* granulovirus". *South African Society for Microbiology*. University Orange Free State, Bloemfontein. April 2002.

Hendry,DA and Dorrington,RA

Venter,PA, Hendry,DA, Jiwaji,M, Mosisili,K and Dorrington,RA. "The assembly and maturation of heterologously expressed Omega tetravirus procapsids". *South African Society for Microbiology*. University Orange Free State, Bloemfontein. April 2002.

Hodgson,V and Dorrington,RA

Venter,PA, Blain,R, Christian,PA, Gordon,K, Hanzlik,T, Hodgson,V, Williams,M and Dorrington,RA. "Heterologous production of small insect RNA viruses in *Saccharomyces cerevisiae* for application as biopesticides". *South African Society for Microbiology*. University Orange Free State, Bloemfontein. April 2002.

Leukes,WD

Beukes,DR, Leukes,WD and Pather,S. "A preliminary investigation into the biomedical potential of South African marine microorganisms". *3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences*. Boksburg. September 2002.

Vine,NG, Leukes,WD, Kaiser,H and Hecht,T. "Criteria for the selection of probiotic bacteria for marine fish larviculture". *6th Conference of the Aquaculture Association of South Africa*. University of Stellenbosch, Stellenbosch. September 2002. 15.

Leukes,WD, Whiteley,CG and Pletschke,BI

Melamane,X, Leukes,WD, Whiteley,CG and Pletschke,BI. "Cleaning of fouled membranes using enzymes from a sulphidogenic bioreactor". *South African Society for Biochemistry and Molecular Biology: Eastern Cape Section*. University of Fort Hare, Fort Beaufort. November 2002.

Pletschke,BI, Rose,PD and Whiteley,CG

Pletschke,BI, Akhurst,T, Watson,S, Rose,PD and Whiteley,CG. "Accelerated sludge solubilisation under sulphate reducing conditions: the effect of hydrolytic enzymes on sludge floc size distribution and EPS composition". *Water Institute South Africa*. International Convention Centre, Durban. May 2002. 28.

Rose,PD

Rose,PD. "Linearising the Biological Sulphur Cycle". *Cape Biotechnology*. Somerset West. 2002.

Rose,PD. "The Biological Sulphur Cycle: Part of the Problem or Basis for Sustainable Bioprocess Innovation". *Water Institute South Africa*. International Convention Centre, Durban. May 2002. 28.

Whiteley,CG

Anoopkumar-Dukie,S, Whiteley,CG, Lambat,Z and Daya,S. "Cimetidine acts as a potent free radical scavenger in the dextrose assay". *3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences*. Boksburg. September 2002.

Mavumengwana,VB and Whiteley,CG. "Isolation, Purification and characterisation of inulins from Chicory". *South African Society for Biochemistry and Molecular Biology: Eastern Cape Section*. University of Fort Hare, Fort Beaufort. November 2002.

Whiteley,CG, Antunes,APM and Pletschke,BI

Rashamuse,K, Whiteley,CG, Sanyahumbi,D, Antunes,APM and Pletschke,BI. "Bioaccumulation of Platinum by Sulphate reducing systems: Role of an Hydrogenase". *South African Society for Biochemistry and Molecular Biology: Eastern Cape Section*. University of Fort Hare, Fort Beaufort. November 2002.

Whiteley,CG, Leukes,WD and Pletschke,BI

Whiteley,CG, Leukes,WD, Pletschke,BI and Melamane,X. "Defouling of membranes with sludge enzymes". *Water Institute South Africa*. International Convention Centre, Durban. May 2002. 168.

Whiteley,CG and Pletschke,PI

Rashamuse,KR, Whiteley,CG, Sanyahumbi,D and Pletschke,PI. "Enzymatic bioaccumulation of Platinum from aqueous solution using Sulphate Reducing Bacteria". *Water Institute South Africa*. International Convention Centre, Durban. May 2002. 162.

Whiteley,CG, Pletschke,BI and Rose,PD

Whiteley,CG, Pletschke,BI, Melamane,X and Rose,PD. "Environmental Enzymology: Role of lipases in sewage sludge solubilisation". *Water Institute South Africa*. International Convention Centre, Durban. May 2002. 40.

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

Longshaw,VM, Cheetham,ME, Chapple,JP and Blatch,GL. "The phosphorylation and nuclear localisation of the co-chaperone murine stress-inducible protein 1 (mSTII)". *FASEB Summer Research: Protein Folding in the Cell*. Vermont Academy, Saxtons River. USA. July 2002.

Odunuga, OO, Bies, C, Zimmermann, R and Blatch, GL. "Specificity determinants of TPR motif-mediated binding of the STII family of co-chaperones to Hsp90 and Hsc70". *Cold Spring Harbour Laboratory : Molecular Chaperones and Heat Shock Response*. Cold Spring Harbour, USA. May 2002. 149.

Pugh, DJ, Bies, C, Zimmerman, R, Blatch, GL, Odunuga, OO and Tanner, D. "Discrimination between the TPR-mediated interactions of mSTII with Hsp90 and Hsc70". *HSP90 Chaperone Machine*. Grand Hotel et Kurhaus, Arolla, Switzerland. August 2002. 11.

Hartley, CJ, Hendry, DA and Dorrington, RA

Mosisili, K, Hartley, CJ, Hendry, DA, Dorrington, RA and Venter, PA. "The assembly and maturation of heterologously expressed *Helicoverpa armigera* stunt virus procaspids in *Saccharomyces cerevisiae* and *Spodoptera frugiperda* cells". *FASEB Summer Research: Virus Assembly*. Vermont Academy, Saxtons River, USA. June 2002.

Rose, PD

Rose, PD. "Biotechnology and Integrated Wastewater Resource Management: Tools for Sustainability". *International Water Association: Water Sustainability*. Venice, Italy. November 2002.

Whiteley, CG, Pletschke, BI and Rose, PD

Whiteley, CG, Melamane, X, Pletschke, BI and Rose, PD. "Effect of Lipases on the Acceleration of Solubilisation of Primary Sewage Sludge". *International Water Association: Environmental Biotechnology 2002*. Massey University, Palmerston North, New Zealand. April 2002. B5. 379-386.

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

Whiteley, CG, Pletschke, BI, Rose, PD, Enongene, G and Whittington-Jones, K. "Co-digestion of primary sewage sludge and industrial wastewater under anaerobic sulphate reducing conditions: Enzymatic profiles in a Reciprocating Sludge Bed Reactor". *International Water Association: Anaerobic Digestion of Solid Wastes*. Technische Universität München, Munich, Germany. September 2002. 7a. 17-24.

PATENTS, PROVISIONAL PATENTS

Leukes, WD

Leukes, WD. Distillery Effluent and Enzymes. South Africa. 2002. 10059.

Leukes, WD. Vertical Membrane Bioreactor. All countries. 2002. PCT/IB02/01686.

Cambrey, GA and Leukes, WD. Fermented Honey Beverage. South Africa. 2002. 4827.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Blatch, GL

Blatch, GL and Modikaseng, W. Organiser/Presenter. "Theoretical and practical training in approaches to DNA sequencing". DNA Sequencing Workshop. Rhodes University. Grahamstown. 11 April 2002.

Hendry, DA

Hendry, DA. Interview. "Insect viruses for pest control". November 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Leukes, WD

Leukes, WD. Marion Island Research Station, Marion Island, South Africa. Drug discovery: Bioprospecting psychrophilic microorganisms. 27 March - 1 May 2002.

DISTINGUISHED VISITORS

Dr M Appel. Shimoda Biotech, Port Elizabeth, Research Visit.

Professor A Ball. University of Alabama, Birmingham, USA. Lecture.

Professor E Goyvaerts. University of North, Pietersburg, Research Visit.

Dr T Hanzlik. CSIRO, Canberra, Australia. 2002.

Dr R Jaeger. Bonn Medical School, Bonn, Germany. Lecture series in Molecular Biology.

Dr J Kilama. Global Biodiversity Institute, Wilmington- Delaware, USA. Scifest Lecture & visit to Department.

Dr L Penkler. Shimoda Biotech, Port Elizabeth, Research Visit.

Dr M Ramsay. National Health Laboratory Services, Johannesburg, Research Lecture. 2002.

Professor S Silver. University of Illinois, Chicago, USA. Lecture. 2002.

Professor P Sims. UMIST, Manchester, UK. Series of Research Lectures. 2002.

Dr R van Hille. University of Cape Town, Cape Town, Research Lecture.

Dr D Winstanley. Horticultural Research Inter, Wellesbourne, UK. Research Lecture. 2002.

SUBSIDY UNITS CLAIMED

| BIOCHEMISTRY MICROBIOLOGY & BIOTECHNOLOGY | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Antunes,APM and Duncan,JR | | | |
| <i>Antunes,APM, Duncan,JR, Watkins,GM and Maclear,A. "The removal of Gold from solution by the viable microbial biomass <i>Phomas sp.</i>". Resource and Environmental Biotechnology. 2002. 3,229-230.</i> | 0.75 | | |
| Blatch,GL | | | |
| <i>Blatch,GL, Hennessy,F, Dudek,J, Volkmer,J, Bies,C, Guth,S, Muller,A, Lerner,M, Feick,P, Schafer,K-H, Morgenstern,E, Janoscheck,K-H, Heim,N, Scholtes,P, Frien,M, Nastainczyk,W and Zimmermann,R. "A novel type of cochaperone mediates transmembrane recruitment of DnaK-like chaperones to ribosomes". The Embo Journal. 2002. 21,2958-2967.</i> | 0.12 | | |
| <i>Odunuga,O, Hornby,JA, Bies,C, Zimmerman,R, Pugh,DJ and Blatch,GL. "Tetratricopeptide repeat motif-mediated Hsc70-mSTI1 interaction: molecular characterization of the critical contacts for successful binding and specificity". Journal of Biological Chemistry. 2002. (In Press).</i> | 0.34 | Y | |
| Blatch,GL and Dorrington,RA | | | |
| <i>Idicula,AM, Blatch,GL, Cooper,TG and Dorrington,RA. "Binding and activation by the Zn cluster transcription factors of <i>Saccharomyces cerevisiae</i>: Redefining the UASGABA and its interactions with Uga3p". Journal of Biological Chemistry. 2002. 277,45977-45983.</i> | 0.75 | | |
| Leukes,WD | | | |
| <i>Froneman,PW, Ansorge,IJ, Vumazonke,L, Gulekana,K, Bernard,K, Webb,AM, Leukes,WD, Risien,CM, Thomalla,S, Hermes,J, Knott,M, Anderson,D, Hargey,N, Jennings,M, Veitch,J, Lutjeharms,JRE and McQuaid,CD. "Physical and biological variability in the Antarctic Polar Frontal Zone: Report on research cruise 103 of MV SA Agulhas". South African Journal of Science. 2002. 98(11/12),534-534.</i> | 0.06 | | |
| <i>Leukes,WD, Edwards,E and Bezuidenhout,J. "Ultrafiltration of petrochemical industrial wastewater using immobilised manganese peroxidase and laccase: Application in the defouling of polysulphone membranes". Desalination. 2002. 149(1,2,3),275-278.</i> | 0.34 | | |
| Pletschke,BI, Rose,PD and Whiteley,CG | | | |
| <i>Pletschke,BI, Rose,PD and Whiteley,CG. "The enzymology of sludge solubilisation utilising sulphate reducing systems. Identification and properties of ATP-sulphurylases". Enzyme and Microbial Technology. 2002. 31(3),329-336.</i> | 1.00 | | |
| Rose,PD and Duncan,JR | | | |
| <i>van Hille,R, Nightingale,L, Rose,PD and Duncan,JR. "Biogenic alkalinity - a viable alternative to existing treatment strategies for acid mine drainage remediation". Biodegradation. 2002. (In Press).</i> | 1.00 | Y | |
| Whiteley,CG | | | |
| <i>Whiteley,CG. "Acetamidoquinone derivatives as inhibitors for dihydroxyacetamido epoxidase and dihydroxyacetamido dehydrogenase". Bioorganic and Medicinal Chemistry. 2002. 10,1221-1227.</i> | 1.00 | | |
| Whiteley,CG, Pletschke,BI and Rose,PD | | | |
| <i>Whiteley,CG, Pletschke,BI, Rose,PD and Ngesi,N. "Specific Sulphur Metabolites Stimulate β-Glucosidase Activity in an Anaerobic Sulphidogenic Bioreactor".</i> | 1.00 | | |

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|--|------|---|--|
| <i>Biotechnology Letters</i> . 2002. 24(18),1509-1513. | | | |
| Whiteley,CG, Pletschke,BI, Rose,PD and Melamane,X. "Enzymology of enhanced sludge solubilisation: Properties of lipases". <i>Water Research</i> . 2002. (In Press). | 1.00 | Y | |
| Whiteley,CG, Rose,PD, Pletschke,BI and Whittington-Jones,K | | | |
| Whiteley,CG, Heron,P, Rose,PD, Pletschke,BI, van Jaarsveld,FP, Tshivhunge,AS and Whittington-Jones,K. "The enzymology of sludge solubilisation utilising sulphate reducing systems. Properties of proteases and phosphatases". <i>Enzyme and Microbial Technology</i> . 2002. 31(4),419-424. | 1.00 | | |
| Whittington-Jones,K and Rose,PD | | | |
| Whittington-Jones,K, Ristow,NE, Corbett,C, Rose,PD and Hansford,GS. "Modelling of a recycling sludge bed reactor using AQUASIM". <i>Water SA</i> . 2002. 28(1),111-120. | 0.60 | | |
| Zubrzycki,I | | | |
| Zubrzycki,I. "Homology Modelling and Molecular Dynamics: Study of NAD-Dependent Glycerol-3-Phosphate Dehydrogenase from <i>Trypanosoma brucei</i> rhodesiense, a Potential Target Enzyme for Anti-Sleeping Sickness Drug Development". <i>Biophysical Journal</i> . 2002. 82,2906-2915. | 1.00 | | |
| TOTAL FOR BIOCHEMISTRY MICROBIOLOGY & BIOTECHNOLOGY | 9.96 | | |
| TOTAL IN PRESS | 2.34 | | |
| TOTAL NON SAPSE | 0.00 | | |

BOTANY

Collectively the staff and students have published, have in press or submitted 3 book chapters, 30 journal papers or abstracts (14 papers, 16 abstracts) and 4 popular articles. In addition to which, staff and students presented 20 papers and 14 posters at conferences and organised 3 workshops. Two of our staff members proceeded overseas on research and the Department received 5 international visitors.

Individual staff members achievements include:

Prof. CEJ Botha: Attended workshop at Harvard Forest Harvard University and presented a talk at both Harvard University and Herbarium. Prof. Botha's website, 'The Virtual Plant' was internationally recognised as a SciLinks Site and is now under review for publication by Blackwell's, UK. Prof. Botha, in collaboration with Prof. David Culter, have compiled a text 'Applied Plant Anatomy', which is currently under review. Furthermore, Prof. Botha was awarded a five-year NRF grant in unlocking the future programme.

Prof. RA Lubke: Reviewed work his own and students work on dune systems for a major synthesis chapter in a Springer text on dune dynamics. Prof. Lubke also initiated a study on the Pondoland endemics of the Msikaba Sandstone, this being part of an impact study for the proposed toll road through this region.

Dr J Dames: Was visited by Dr Andy Taylor (Department of Forest Mycology and Pathology, Swedish University of Agricultural Sciences, Uppsala) who assisted with field sampling and important aspects of ECM characterisation, and presented a departmental seminar. Ms. Greer Hawley (an MSc under Dr Dames supervision), spent three months in Uppsala where she received extensive training on the molecular as well as other techniques used for ECM identification. Both Dr Taylor and Ms Hawley's visits were funded by the NRF/SIDA project (A collaboration between Dr Joanna Dames and Prof. Roger Finlay at Uppsala).

Dr NP Barker: Presented a research paper and a guest lecture at international conferences and hosted Dr Alain Vanderpoorten (from Belgium) as a post-doctoral researcher. Dr Barker continued research into the evolution, radiation and relationships of a range of plant groups. In addition to research Dr Barker sat on the NRF assessment panel for Inland Biology and Systematics, helped organise the annual SAAB conference at Rhodes University.

Dr BS Ripley: Received his doctorate at the Grahamstown graduation ceremony. Dr Ripley continued his research on the ecophysiology of dune and other plant species and produced publications and conference presentations, and organised a workshop on photosynthetic physiology.

Mr PB Phillipson: Registered for PhD at Rhodes University and continued research on the Lobeliaceae family in Africa and Madagascar, some of which will become part of the PhD. This included extensive field, herbarium and laboratory work. Mr Phillipson also completed some research on the E. Cape flora and vegetation in connection with local development initiatives as a consultant, which resulted in the following three reports.

Mr AP Dold: Continued his taxonomic research publishing book, journal and popular articles and producing a conference presentation. Mr Dold also conducted collaborative field research on plant utilisation.

DR. B. RIPLEY
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Dold,AP

Cocks,ML, Dold,AP and Grundy,IM. "The medicinal plant trade in the Eastern Cape Province of South Africa". In: Lawes,M, Eeeley,H, Schackleton,C and Geach, B(eds) *The use and socio-economic value of Indigenous Forests and Woodland resources in South Africa.* University of Natal. Pietermaritzburg. 2002. (In Press).

Lubke,RA

Lubke,RA. "Vegetation Dynamics and Succession on Sand Dunes of the Eastern Coasts of Africa". In: Martinez,ML and Psuty, NP(eds) *Coastal Sand Dunes: Ecology and Restoration.* Springer-Verlag. Heidelberg. 2002. (In Press).

Ripley,BS

Ripley,BS and Pammenter,NW. "Physiological Characteristics of Coastal Dune Pioneer Species from the Eastern Cape, South Africa, in Relation to Stress and Disturbance". In: Martinez,ML and Psuty, NP(eds) *Coastal Sand Dunes: Ecology and Restoration.* Springer-Verlag. Heidelberg. 2002. (In Press).

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Barker,NP

Barker,NP and *Skinner,A*. "The use of morphological and DNA sequencing data to determine generic relationships of the Sub-tribe Arctotinae,(Arctoteae Asteraceae)". *South African Journal of Botany*. 2002. 68(2),243-243.

Barker,NP, *Weston,PH*, *Rourke,JP* and *Reeves,G*. "The relationships of the Southern African Proteaceae as elucidated by Internal Transcribed Spacer (ITS) DNA sequence data". *Kew Bulletin*. 2002. 57(4),867-883.

Gilbert,M and *Barker,NP*. "The evolution of glands in *Pentaschistis*: Evidence from DNA sequence data". *South African Journal of Botany*. 2002. 68(2),250-250.

Howis,S and *Barker,NP*. "The relationships of *Bergeranthus* species and allied genera: Evidence from morphology and DNA data". *South African Journal of Botany*. 2002. 68(2),253-253.

Samuel,J, *Barker,NP* and *Jacobs,TV*. "A SEM Survey of the Cypselas of *Arctotis* (Asteraceae)". *South African Journal of Botany*. 2002. 68(2),272-272.

Schrire,BD, *Lavin,M*, *Barker,NP*, *Cortes-Burns,H*, *Von Senger,I* and *Kim,J-H*. "Towards a phylogeny of *Indigofera* (Leguminosae - Papilionoideae): identification of major clades and their composition". *South African Journal of Botany*. 2002. 68(2),272-272.

Barker,NP, *Linder,HP*, *Morton,CM* and *Lyle,M*. "The paraphyly of *Cortaderia* (Danthonioideae; Poaceae): Evidence from morphology, chloroplast and nuclear DNA sequence data". *Annals of The Missouri Botanical Garden*. 2002. (In Press).

Schrire,BD, *Lavin,M*, *Barker,NP*, *Cortes-Burns,H*, *Von Senger,I* and *Kim,J-H*. "Towards a phylogeny of *Indigofera* (Leguminosae - Papilionoideae): identification of major clades and relative ages". *Advances in Legume Systematics*. 2002. (In Press).

Barker,NP and Ripley,BS

Barker,NP, *Harman,KT*, *Ripley,BS* and *Bond,J*. "The genetic diversity of *Scaevola plumieri* (Goodeniaceae),an indigenous dune coloniser, as revealed by Inter Simple Sequence Repeat (ISSR) fingerprinting". *South African Journal of Botany*. 2002. 68(4),532-541.

Botha,CEJ

Botha,CEJ, *Cross,RHM* and *Lack,B*. "A Role For Calcium In Regulating Plasmodesmal Function?". *South African Journal of Botany*. 2002. 68(2),244-244.

Botha,CEJ, *Matsiliza,B*, *Nogemane,N*, *Buwa,L*, *Cross,RHM*, *Knoblauch,M* and *van Bel,AJE*. "Is phloem loading in monocotyledonous leaves apoplasmically- or symplasmically-mediated?". *South African Journal of Botany*. 2002. 68(2),245-245.

Buwa,L and *Botha,CEJ*. "Transport of 5,6 carboxyfluorescein to the phloem in leaves of wheat is symplasmic not apoplasmic". *South African Journal of Botany*. 2002. 68(2),246-246.

Matsiliza,B and *Botha,CEJ*. "Aphid (*Sitobion yakini*, Eastop) investigation shows thin-walled sieve tubes in barley (*Hordeum vulgare* L) to be more functional than thick-walled sieve tubes". *Physiologia Plantarum*. 2002. 115,137-143.

Matsiliza,B and *Botha,CEJ*. "Effects of a Russian wheat aphid (*Diuraphis noxia*) feeding on transport capacity of mature wheat leaves". *South African Journal of Botany*. 2002. 68(2),261-261.

Nogemane,N and *Botha,CEJ*. "Phloem loading in *Zea mays* leaves is symplasmic in dark-adapted leaves". *South African Journal of Botany*. 2002. 68(2),266-266.

Dames,JF

Dames,JF, *Scholes,MC* and *Straker,CJ*. "Nutrient cycling in a *Pinus patula* plantation in the Mpumalanga Province, South Africa". *Applied Soil Ecology*. 2002. 20,211-226.

Dold,AP

Dold,AP. "A new species of *Brachystelma* R.Br. Occurring in the Eastern Cape Province of South Africa". *Bothalia*. 2002. 32,412-427.

Cocks,ML and Dold,AP. "The informal trade of medicinal plants in the Eastern Cape Province, South Africa". *South African Journal of Science*. 2002. 98(11-12),589-598.

Lubke,RA

Lubke,RA. "Book Review: Regions of Floristic Endemism in southern Africa. Van Wyk AE and GF Smith. 2001". *Bothalia*. 2002. 32(2),251-251.

Phillipson,PB

Phillipson,PB. "Patterns of Endemism and Biogeographic Relationships in the Malagasy Flora". *South African Journal of Botany*. 2002. 68(2),268-268.

Phillipson,PB and Knox,EB. "Phylogeny of Lobeliaceae in Africa and Madagascar: preliminary results". *South African Journal of Botany*. 2002. 68(2),268-269.

Phillipson,PB and Barker,NP

Mannheimer,C, Phillipson,PB and Barker,NP. "A Dragon-lover's dilemma: Taxonomic problems in the subtribe Dracophilinae". *South African Journal of Botany*. 2002. 68(2),259-259.

Ripley,BS

Gilbert,ME and Ripley,BS. "The effect of smoke on the gas exchange of *Chrysanthemoides monilifera*". *South African Journal of Botany*. 2002. 68(2),250-250.

Gilbert,ME and Ripley,BS. "The effect of smoke on the gas exchange of *Chrysanthemoides monilifera*". *South African Journal of Botany*. 2002. 68(4),525-531.

Howis,S and Ripley,BS. "CAM induction in *Aptenia lancifolia*". *South African Journal of Botany*. 2002. 68(2),253-253.

Peter,CI, Ripley,BS and Robertson,MP. "The distribution of *Scaevola plumeri* along the South African coast is limited by seasonal water balance and temperature". *South African Journal of Botany*. 2002. 68(2),268-268.

Robertson,MP, Peter,CI, Villet,MH and Ripley,BS. "Comparing models for predicting potential distributions of species: A case study using correlative and mechanistic predictive modelling techniques". *South African Journal of Botany*. 2002. 68(2),271-271.

Peter,CI, Ripley,BS and Robertson,MP. "The distribution of *Scaevola plumeri* along the South African coast is limited by seasonal water balance and temperature". *Journal of Vegetation Science*. 2002. (In Press).

Robertson,MP, Peter,CI, Villet,MH and Ripley,BS. "Comparing models for predicting potential distributions of species: A case study using correlative and mechanistic predictive modelling techniques". *Ecological Modelling*. 2002. (In Press).

OTHER PUBLICATIONS

Dold,AP

Dold,AP. "Mary Elizabeth Barber-South African Stapeliad Pioneer". Steffens, F(eds) Aloe. Succulent Society of South Africa. Brookland. 2002. 38(3&4), 52-55.

Dold,AP. "Notes on the *Brachystelma* R.Br. Occurring in the Eastern Cape Province". Butler, A(eds) Asklepios. International Asklepiad Society. West Sussex. 2002. 84, 4-11.

Dold,AP and Barker,NP

Dold,AP, Hammer,S and Barker,NP. "Conventional wisdom, or the rediscovery of *Bergeranthus artus* L Bolus". Steffens, F(eds) Aloe. Succulent Society of South Africa. Brookland. 2002. 39(2), 30-32.

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

i. Local Conferences (Within South Africa)

Barker,NP

Barker,NP and Howis,S. "The relationships of *Bergeranthus* species and allied genera: Evidence from morphology and DNA data". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Barker,NP and Skinner,A. "The use of morphological and DNA sequencing data to determine generic relationships of the Sub-tribe Arctotinae,(Arctoteae Asteraceae)". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Gilbert,M and Barker,NP. "The evolution of glands in *Pentaschistis*: Evidence from DNA sequence data". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Kelly,CMR, Barker,NP and Villet,MH. "Phylogenetics of advanced snakes (Caenophidia), from four mitochondrial genes". *Proceedings of the 3rd Congress of the Southern African Society for Systematic Biology*. Grahamstown. January 2002. 23. 16-18.

Samuel,J, Barker,NP and Jacobs,TV. "A SEM Survey of the Cypselae of *Arctotis* (Asteraceae)". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Schrire,BD, Barker,NP, Lavin,M, Cortes-Burns,H, Von Senger,I and Kim,J-H. "Towards a phylogeny of *Indigofera* (Leguminosae - Papilionoideae): Identification of major clades and their composition". *3rd Congress of the Southern African Association for Systematic Biology*. Rhodes University, Grahamstown. January 2002.

Seaman,JA, McQuaid,CD, Villet,MH, Barker,NP and Fergusen,WH. "Population variation in two pulmonate limpets (*Siphonaria capensis* and *S. serrata*) along the South African coast". *Proceedings of the 3rd Congress of the Southern African Association for Systematic Biology*. Rhodes University, Grahamstown. January 2002. 33.

Von Senger,I and Barker,NP. "Genetic diversity of the weed *Chromolaena odorata*". *3rd Congress of the Southern African Association for Systematic Biology*. Rhodes University, Grahamstown. January 2002.

Von Senger,I, Barker,NP and Zachariades,CC. "Genetic fingerprinting of *Chromolaena odorata*: finding the origin of South Africa's pest". *Proceedings of the 5th International Workshop on Biological Control and Management of Chromolaena odorata*. Conference Centre, Durban. October 2000.

Botha,CEJ

Botha,CEJ and Buwa,L. "Transport of 5,6 carboxyfluorescein to the phloem in leaves of wheat is symplasmic not apoplasmic". *28th Congress of the South African Association of Botanists*. Rhodes, Grahamstown. January 2002.

Botha,CEJ, Cross,RHM and Lack,B. "A Role For Calcium In Regulating Plasmodesmal Function?". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Botha,CEJ, Matsiliza,B, Nogemane,N, Buwa,L, Cross,RHM, Knoblauch,M and van Bel,AJE. "Is phloem loading in monocotyledonous leaves apoplasmic- or symplasmic-mediated?". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Matsiliza,B and Botha,CEJ. "Effects of a Russian wheat aphid (*Diuraphis noxia*) feeding on transport capacity of mature wheat leaves". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Nogemane,N and Botha,CEJ. "Phloem loading in *Zea mays* leaves is symplasmic in dark-adapted leaves". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Phillipson,PB

Phillipson,PB. "Patterns of Endemism and Biogeographic Relationships in the Malagasy Flora". *3rd Congress of the Southern African Association for Systematic Biology*. Rhodes University, Grahamstown. January 2002.

Phillipson,PB and Knox,EB. "Phylogeny of Lobeliaceae in Africa and Madagascar: Preliminary results". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Phillipson,PB and Barker,NP

Mannheimer,C, Phillipson,PB and Barker,NP. "A Dragon-lover's dilemma: Taxonomic problems in the subtribe Dracophilinae". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Ripley,BS

Howis,S and Ripley,BS. "CAM induction in *Aptenia lancifolia*". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Peter, CI, Ripley, BS and Robertson, MP. "The distribution of *Scaevola plumeri* along the South African coast is limited by seasonal water balance and temperature". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Ripley, BS and Gilbert, ME. "The effect of smoke on the gas exchange of *Chrysanthemoides monilifera*". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Villet, MH, Robertson, MP, Peter, CI and Ripley, BS. "Comparing models for predicting potential distributions of species: A case study using correlative and mechanistic predictive modelling techniques". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Villet, MH, Robertson, MP, Peter, CI and Ripley, BS. "Comparing models for predicting potential distributions of species: A case study using correlative and mechanistic predictive modelling techniques". *Proceedings and Abstracts of the 28th Congress of the South African Association of Botanists*. Grahamstown. January 2002. 66-67.

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

ii. International Conferences (Outside South Africa)

Barker, NP

Howis, S, Von Senger, I and Barker, NP. "Internal Transcribed Spacer sequence diversity in two species of Asteraceae". *Plant Species-level Systematics: Patterns, processes and new applications*. National Herbarium, Leiden. The Netherlands. November 2002.

Seaman, J, McQuaid, CD, Villet, MH, Barker, NP and Fergusen, WH. "A comparison of molecular techniques used to examine genetic variation in two pulmonate limpets (*Siphonaria capensis* and *S. serata*) along the South African Coast". *Southern African Marine Science Symposium*. Swakopmund. Namibia. July 2002.

Barker, NP and Ripley, BS

Barker, NP, Von Senger, I, Howis, S, Ripley, BS and Zachariades, C. "The use of Internal Transcribed Spacer (ITS) Sequence data for plant phylogeography: two examples from the Asteraceae". *Proceedings of the Plant Species-level Systematics Conference*. National Herbarium, Leiden. The Netherlands. November 2002.

Dold, AP

Cocks, ML and Dold, AP. "The informal trade of *Cassipourea flanaganii* as a cosmetic in South Africa". *International Congress of Ethnobiology*. University of Georgia, Georgia. September 2002. 412-427.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Botha, CEJ

Botha, CEJ. Organiser. "*Electrophysiology Workshop*". South African Association of Botanists. Rhodes University. Grahamstown. 17 January 2002.

Lubke, RA

Lubke, RA. Organiser. "*South African Association of Botanists Conference Field Excursion*". South African Association of Botanists. Rhodes University. Grahamstown. 17 January 2002.

Ripley, BS

Ripley, BS. Organiser. "*Photosynthesis Analysing Systems*". South African Association of Botanists. Rhodes University. Grahamstown. 17 January 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Botha, CEJ

Botha, CEJ. Jodrell Laboratory Royal Botanic Gardens, Kew, UK.

Botha, CEJ. Department of Botany University of Wisconsin, Madison Wisconsin, USA.

Botha, CEJ. Harvard School of Biological Sciences, Cambridge, UK.

DISTINGUISHED VISITORS

Professor EB Knox. Rutgers University, Newark, New Jersey, USA. Field and Herbarium Work. December 2002.

Dr AFS Taylor. Swedish University of Agricultural Sciences, Uppsala, Sweden. Assist with SIDA project. May 2002.

Professor KF Wiersum. Wageningen University, Wageningen, Netherlands. To discuss Non-Forest Products Project. November 2002.

Professor AD Wolfe. Ohio State University, Columbus, USA.

SUBSIDY UNITS CLAIMED

| BOTANY | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Barker,NP | | | |
| <i>Barker,NP</i> , Weston,PH, Rourke,JP and Reeves,G. "The relationships of the Southern African Proteaceae as elucidated by Internal Transcribed Spacer (ITS) DNA sequence data". <i>Kew Bulletin</i> . 2002. 57(4),867-883. | 0.25 | | |
| <i>Barker,NP</i> , Linder,HP, Morton,CM and Lyle,M. "The parapyly of <i>Cortaderia</i> (Danthonioideae; Poaceae): Evidence from morphology, chloroplast and nuclear DNA sequence data". <i>Annals of The Missouri Botanical Garden</i> . 2002. (In Press). | 0.25 | Y | |
| Schrire,BD, Lavin,M, <i>Barker,NP</i> , Cortes-Burns,H, <i>Von Senger,I</i> and Kim,J-H. "Towards a phylogeny of <i>Indigofera</i> (Leguminosae - Papilionoideae): identification of major clades and relative ages". <i>Advances in Legume Systematics</i> . 2002. (In Press). | 0.34 | Y | |
| Barker,NP and Ripley,BS | | | |
| <i>Barker,NP</i> , <i>Harman,KT</i> , <i>Ripley,BS</i> and Bond,J. "The genetic diversity of <i>Scaevola plumieri</i> (Goodeniaceae),an indigenous dune coloniser, as revealed by Inter Simple Sequence Repeat (ISSR) fingerprinting". <i>South African Journal of Botany</i> . 2002. 68(4),532-541. | 0.75 | | |
| Botha,CEJ | | | |
| <i>Matsiliza,B</i> and <i>Botha,CEJ</i> . "Aphid (<i>Sitobion yakini</i> , Eastop) investigation shows thin-walled sieve tubes in barley (<i>Hordeum vulgare</i> L) to be more functional than thick-walled sieve tubes". <i>Physiologia Plantarum</i> . 2002. 115,137-143. | 1.00 | | |
| Dold,AP | | | |
| <i>Dold,AP</i> . "A new species of <i>Brachystelma</i> R.Br. Occurring in the Eastern Cape Province of South Africa". <i>Bothalia</i> . 2002. 32,412-427. | 1.00 | | |
| <i>Cocks,ML</i> and <i>Dold,AP</i> . "The informal trade of medicinal plants in the Eastern Cape Province, South Africa". <i>South African Journal of Science</i> . 2002. 98(11-12),589-598. | 0.50 | | |
| Lubke,RA | | | |
| <i>Lubke,RA</i> . "Book Review: Regions of Floristic Endemism in southern Africa. Van Wyk AE and GF Smith. 2001". <i>Bothalia</i> . 2002. 32(2),251-251. | 1.00 | | |
| Ripley,BS | | | |
| <i>Gilbert,ME</i> and <i>Ripley,BS</i> . "The effect of smoke on the gas exchange of <i>Chrysanthemoides monilifera</i> ". <i>South African Journal of Botany</i> . 2002. 68(4),525-531. | 1.00 | | |
| <i>Peter,CI</i> , <i>Ripley,BS</i> and <i>Robertson,MP</i> . "The distribution of <i>Scaevola plumeri</i> along the South African coast is limited by seasonal water balance and temperature". <i>Journal of Vegetation Science</i> . 2002. (In Press). | 1.00 | Y | |
| <i>Robertson,MP</i> , <i>Peter,CI</i> , <i>Villet,MH</i> and <i>Ripley,BS</i> . "Comparing models for predicting potential distributions of species: A case study using correlative and mechanistic predictive modelling techniques". <i>Ecological Modelling</i> . 2002. (In Press). | 0.75 | Y | |
| TOTAL FOR BOTANY | 7.84 | | |
| TOTAL IN PRESS | 2.34 | | |
| TOTAL NON SAPSE | 0.00 | | |

CHEMISTRY

The Department of Chemistry has had a good year in its teaching, scholarship and research activities. A new third-year chemistry curriculum was successfully introduced in 2002. An important component of our undergraduate teaching is the exposure of our chemistry students to industrial chemistry through the awarding of a SASOL sponsored prize for the best Chemistry II entrepreneurial project and a prize for the best Anglo-American and De Beer Chairman's Fund Chemistry III industrial project. The Department of Chemistry continues to be actively involved in local schools and elsewhere in the community.

The vibrant postgraduate research programme in the Department continues to attract international students from all over Africa, including: Cameroon, Kenya, Lesotho, Namibia, Nigeria and Zimbabwe, and as far a field as England and Mexico. A total of 7 MSc, 11 PhD and 10 Honours students carried out research in a variety of fields, including electrochemistry, inorganic and organic synthesis, thermal analysis and marine natural product chemistry. A record number of chemistry students (4 MSc and 5 PhD) graduated at the University graduation ceremony in April. Research capacity in the Chemistry Department was boosted by the installation of two new, expensive pieces of research instrumentation; a R3 million laser for photodynamic therapy research (on loan from the National Laser Centre) and a high performance liquid chromatograph. Professor Mike Brown became Rhodes University's first NRF A-rated scientist and Professors Tebello Nyokong and Mike Davies-Coleman presented their professorial inaugural lectures. Professor Nyokong was also awarded an NRF B-rating and later in the year was elected as a Fellow of the Royal Society of South Africa. Staff and students presented their research results at international conferences in Germany, Japan, Spain and Switzerland.

PROFESSOR P.KA YE
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Brown,ME

Brown,ME and *Galwey,AK*. "The Significance of Compensation Effects appearing in Data Published in Computational Aspects of Kinetic Analysis: ICTAC Project, 2000". *Thermochimica Acta*. 2002. 171-183.

Brown,ME, *Glass,BD* and *Worthington,MS*. "Thermal Studies of Nifedipine-Cyclodextrin Binary Systems in the Solid State". *Journal of Thermal Analysis and Calorimetry*. 2002. 65,631-646.

Galwey,AK and *Brown,ME*. "Application of the Arrhenius Equation to Solid State Kinetics: Can This Be Justified?". *Thermochimica Acta*. 2002. 386,91-98.

Brown,ME and *Glass,BD*. "Decomposition of Solids Accompanied by Melting - Bawn Kinetics". *International Journal of Pharmaceutics*. 2002. (In Press).

Davies-Coleman,MT

Copley,RCB, *Davies-Coleman,MT*, *Edmonds,DR*, *Faulkner,DJ* and *McPhail,KL*. "The Absolute Stereochemistry of Ibhayinol from a South African Sea Hare". *Journal of Natural Products*. 2002. 65,580-582.

Kaye,PT

Kaye,PT, *Gray,CA* and *Nchinda,AT*. "Chromone Studies. Part 11. Synthesis and Electron-Impact Mass Spectrometric Study of Granulosin and Side-Chain Analogues". *Journal of Chemistry Research*. 2002. 321-325.

Kaye,PT, *Matjila,JM*, *Molema,WE*, *Ravindran,SS* and *Duggan,AR*. "Formation and NMR Structural Analysis of Novel Hydroxycamphor Ethers". *South African Journal of Chemistry*. 2002. 55,97-104.

Kaye,PT and *Musa,MA*. "A Convenient and Improved Baylis-Hillman Synthesis of 3-Substituted 2H-1-Benzopyran-2-ones". *Synthesis (Journal of Synthetic Organic Chemistry)*. 2002. (18),2701-2706.

Kaye,PT and *Nocanda,XN*. "A Convenient General Synthesis of 3-Substituted 2H-Chromene Derivatives". *Journal of Chemistry Society Perkin Transactions*. 2002. 1318-1323.

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

Kaye,PT, *Nyokong,T*, *Watkins,GM* and *Wellington,KW*. "Designer Ligands. Part 9. Catalytic Activity of Biomimetic Cobalt(II) and Copper(II) Complexes of Multimedia Ligands". *Journal of Organic Chemistry (Arkivoc)*. 2002. 1X,9-18.

Lack,B

Botha,CEJ, Cross,RHM and Lack,B. "A Role For Calcium In Regulating Plasmodesmal Function?". *South African Journal of Botany.* 2002. 68(2),244-244.

Maree,DM and Nyokong,T

Maree,DM, Nyokong,T, Suhling,K and Phillips,P. "Effects of axial ligands on the photophysical properties of silicon octaphenoxypthalocyanine". *Journal of Porphyrins and Phthalocyanines.* 2002. 6,373-376.

Maree,SE and Nyokong,T

Maree,SE, Phillips,D and Nyokong,T. "Synthesis, photophysical and photochemical studies of germanium and tin phthalocyanine complexes". *Journal of Porphyrins and Phthalocyanines.* 2002. 6,17-25.

Nyokong,T

Daya,S, Limson,J, Nyokong,T and Parmar,P. "Melatonin protects against copper-mediated free radical damage". *Journal of Pineal Research.* 2002. 32(4),237-242.

Grootboom,N and Nyokong,T. "Iron perchlorophthalocyanine and tetrasulfophthalocyanine catalysed oxidation of cyclohexane using hydrogen peroxide, chloroperoxybenzoic". *Journal of Molecular Catalysis AChemical.* 2002. 179,113-123.

Matlaba,P and Nyokong,T. "Synthesis, electrochemical and photochemical properties of unsymmetrically substituted zinc phthalocyanine complexes". *Polyhedron.* 2002. 21,2463-2472.

Oni,J and Nyokong,T. "Spectroscopic and electrochemical studies of the interaction between iron (II) tetrasulfophthalocyanine and histamine". *Journal of Porphyrins and Phthalocyanines.* 2002. 6,203-210.

Ozoemena,K and Nyokong,T. "Voltammetric characterization of the self-assembled monolayer (SAM) of octabutylthiophthalocyaninatoiron(II): A potential electrochemical sensor". *Electrochimica Acta.* 2002. 47,4035-4043.

Ozoemena,K and Nyokong,T. "Octabutylthiophthalocyaninatoiron(II): Electrochemical properties and interaction with cyanide". *Journal of Chemistry Society Dalton Transactions.* 2002. 1806-1811.

Thamae,M and Nyokong,T. "Interaction of sulphur dioxide and cyanide with cobalt(II) tetrasulfophthalocyanine in aqueous media". *Polyhedron.* 2002. 21,133-140.

Sewry,JD and Brown,ME

Sewry,JD and Brown,ME. "Model-free Kinetic Analysis?". *Thermochimica Acta.* 2002. 390,217-225.

Watkins,GM

Antunes,APM, Duncan,JR, Watkins,GM and Maclear,A. "The removal of Gold from solution by the viable microbial biomass *Phomas sp.*". *Resource and Environmental Biotechnology.* 2002. 3,229-230.

Westbroek,P and Nyokong,T

Oni,J, Westbroek,P and Nyokong,T. "Voltammetric detection of vitamin B1 at carbon paste electrodes and its determination in tablets". *Electroanalysis.* 2002. 14,1165-1168.

Ozoemena,K, Westbroek,P and Nyokong,T. "Cyclic voltammetric studies of octabutylthiophthalocyaninato-cobalt(II) and its self-assembled monolayer (SAM) on gold electrode". *Journal of Porphyrins and Phthalocyanines.* 2002. 6(12),98-106.

Thamae,M, Westbroek,P and Nyokong,T. "pH study of the SO₂ detection at a glassy carbon electrode modified with iron(II)tetrasulfophthalocyanine". *Mikrochimica Acta.* 2002. 140,233-239.

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

Brown,ME. "WWW.TA - The Wonderful, Wide World of Thermal Analysis". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Brown,ME and Lamprecht,E. "The preparation and characterization of several novel metal complexes of 1,2,4,5-benzenetetracarboxylate ion with copper and nickel". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Brown,ME and Ndlebe,V. "Thermal and Photostability Studies of Triprolidine Hydrochloride and its Mixtures with Cyclodextrin and Glucose". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Lamprecht,E and Brown,ME. "Modifications to a Perkin-Elmer DSC-2 Differential Scanning Calorimeter to enable it to operate in modulated temperature mode". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Rotich,M and Brown,ME. "Thermal Studies on some substituted Aminobenzoic Acids". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Davies-Coleman,M

Davies-Coleman,M. "New metabolites from Algoa Bay marine invertebrates". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Kaye,PT

Kaye,PT and Lobb,K. "Kinetic and Computational Studies of Spiroterpenoid Rearrangements". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Nocanda,XW, Nchinda,AT, Kaye,PT and Musa,MA. "Heterocyclic Derivatives as Potential HIV-1 Protease Inhibitors". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Tanner,D, Kaye,PT and Blatch,GL. "Biochemical characterisation of *Plasmodium falciparum* DOXP-reductoisomerase and the rational design and screening of novel anti-malarial drugs". *South African Society for Biochemistry and Molecular Biology: Eastern Cape Section.* University of Fort Hare, Fort Beaufort. November 2002.

Kaye,PT and Wellington,KW

Daubinet,A, Gxoyiya,B, Hagemann,JP, Kaye,PT, Tshikhudo,TR and Wellington,KW. "Design, Synthesis and Evaluation of Novel Metal-Selective Ligand Systems". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Lack,B

Botha,CEJ, Cross,RHM and Lack,B. "A Role For Calcium In Regulating Plasmodesmal Function?". *28th Congress of the South African Association of Botanists.* Rhodes University, Grahamstown. January 2002.

Maree,DM

Maree,DM. "Lasers in photodynamic therapy". *47th Congress of the South African Institute of Physics.* University of Potchefstroom, Potchefstroom. September 2002.

Maree,DM and Nyokong,T

Obirai,JC, Maree,DM and Nyokong,T. "Synthesis and characterisation of pyrrole substituted metallophthalocyanine for the development of electrochemical sensors". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Maree,DM, Maree,SE and Nyokong,T

Maree,DM, Maree,SE, Nyokong,T and Tau,P. "Synthesis of molecules for use in photodynamic therapy of cancer". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Maree,SE, Maree,DM and Nyokong,T

Maree,SE, Maree,DM, Nyokong,T and Sehlotho,N. "Synthesis of molecules for use in photodynamic therapy of cancer". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Seotsanyan-Mokhosi,I, Maree,SE, Maree,DM and Nyokong,T. "Binuclear metallophthalocyanine inclusion into cyclodextrins for photodynamic therapy". *36th Convention of the South African Chemical Institute.* University of Port Elizabeth, Port Elizabeth. July 2002.

Nyokong,T

Ozoemena,K and Nyokong,T. "Novel self-assembled metallophthalocyanine monolayers on gold: Electrochemical sensors of the future". *36th Convention of the South African Chemical Institute*. University of Port Elizabeth, Port Elizabeth. July 2002.

Sewry,JD

Sewry,JD and Nonceba,S. "Mad about maths and science". *7th International Conference on Public Communication of Science and Technology*. University of Cape Town, Cape Town. December 2002.

Watkins,GM

Lamprecht,E and Watkins,GM. "Molecular tectonics: Thermal, spectroscopic and X-ray diffraction studies of copper(II) and nickel(II) 1,2,4, 5-benzenetetracarboxylates". *36th Convention of the South African Chemical Institute*. University of Port Elizabeth, Port Elizabeth. July 2002.

Medina,GJ and Watkins,GM. "Spectroscopic studies of Cu(I) carbonyl complexes with triamine ligands". *36th Convention of the South African Chemical Institute*. University of Port Elizabeth, Port Elizabeth. July 2002.

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

Brown,ME. "Thermal Studies on some Substituted Aminobenzoic Acids". *European Symposium on Thermal Analysis and Calorimetry*. Barcelona. Spain. September 2002.

Kaye,PT

Lobb,K and Kaye,PT. "Kinetic and Computational Studies of Spiroterpenoid Rearrangements". *International Conference on Reactive Intermediates and Reaction Mechanisms*. Ascona. Switzerland. July 2002.

Maree,SE and Nyokong,T

Maree,SE, Seotsanyana-Mokhosi,I and Nyokong,T. "Synthesis, photochemical and photophysical properties of Ti(IV), Ge(IV) and Sn(V) phthalocyanines". *2nd International Conference on Porphyrins and Phthalocyanines (ICPP2)*. Kyoto. Japan. July 2002.

Nyokong,T

Nyokong,T, Stillman,M and Marc,J. "Magnetic circular dichroism and INDO/s calculations of ruthenium phthalocyanines". *2nd International Conference on Porphyrins and Phthalocyanines (ICPP2)*. Kyoto. Japan. July 2002.

Nyokong,T and Thamae,M. "Spectroscopic studies of the interaction of metallophthalocyanines with some pollutants and amino acids". *2nd International Conference on Porphyrins and Phthalocyanines (ICPP2)*. Kyoto. Japan. July 2002.

Nyokong,T and Westbroek,P

Nyokong,T, Ozoemena,K, Oni,J, Thamae,M and Westbroek,P. "Phthalocyanines as electrochemical sensors in analysis". *2nd International Conference on Porphyrins and Phthalocyanines (ICPP2)*. Kyoto. Japan. July 2002.

Westbroek,P and Nyokong,T

Oni,J, Westbroek,P and Nyokong,T. "Development of ultramicroelectrodes as electrochemical sensors for neurotransmitters". *53rd Annual Meeting of the International Society of Electrochemistry*. Dusseldorf. Germany. September 2002.

Westbroek,P, Ozoemena,K, Nyokong,T and Oni,J. "Chemically modified electrodes for analysis of biologically important molecules". *53rd Annual Meeting of the International Society of Electrochemistry*. Dusseldorf. Germany. September 2002.

DISTINGUISHED VISITORS

Mr P Collins. MDL Information Systems, Surrey, UK. Workshop. February 2002.

Dr C Dwyer. Sastech R & D, Sasolburg, Lecture. February 2002.

Professor M Green. Sasol Technology(Pty) Limited, Sasolburg, Lecture. October 2002.

Dr D Robinson. Angloplatinum, Cape Town, Lecture. September 2002.

Professor J van Brakel. University of Louvain, Belgium. Lecture. June 2002.

Dr S Warren. University of Cambridge, Cambridge, UK. Lecture. April 2002.

SUBSIDY UNITS CLAIMED

| CHEMISTRY | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Brown,ME | | | |
| <i>Brown,ME, Glass,BD and Worthington,MS. "Thermal Studies of Nifedipine-Cyclodextrin Binary Systems in the Solid State". Journal of Thermal Analysis and Calorimetry. 2002. 65,631-646.</i> | 0.34 | | |
| <i>Galwey,AK and Brown,ME. "Application of the Arrhenius Equation to Solid State Kinetics: Can This Be Justified?". Thermochemica Acta. 2002. 386,91-98.</i> | 0.50 | | |
| <i>Brown,ME and Glass,BD. "Decomposition of Solids Accompanied by Melting - Bawn Kinetics". International Journal of Pharmaceutics. 2002. (In Press).</i> | 0.50 | Y | |
| Davies-Coleman,MT | | | |
| <i>Copley,RCB, Davies-Coleman,MT, Edmonds,DR, Faulkner,DJ and McPhail,KL. "The Absolute Stereochemistry of Ibhayinol from a South African Sea Hare". Journal of Natural Products. 2002. 65,580-582.</i> | 1.00 | | |
| Kaye,PT | | | |
| <i>Kaye,PT, Gray,CA and Nchinda,AT. "Chromone Studies. Part 11. Synthesis and Electron-Impact Mass Spectrometric Study of Granulosin and Side-Chain Analogues". Journal of Chemistry Research. 2002. 321-325.</i> | 1.00 | | |
| <i>Kaye,PT, Matjila,JM, Molema,WE, Ravindran,SS and Duggan,AR. "Formation and NMR Structural Analysis of Novel Hydroxycamphor Ethers". South African Journal of Chemistry. 2002. 55,97-104.</i> | 1.00 | | |
| <i>Kaye,PT and Musa,MA. "A Convenient and Improved Baylis-Hillman Synthesis of 3-Substituted 2H-1-Benzopyran-2-ones". Synthesis (Journal of Synthetic Organic Chemistry). 2002. (18),2701-2706.</i> | 1.00 | | |
| <i>Kaye,PT and Nocanda,XN. "A Convenient General Synthesis of 3-Substituted 2H-Chromene Derivatives". Journal of Chemistry Society Perkin Transactions. 2002. 1318-1323.</i> | 1.00 | | |
| Kaye,PT, Nyokong,T, Watkins,GM and Wellington,KW | | | |
| <i>Kaye,PT, Nyokong,T, Watkins,GM and Wellington,KW. "Designer Ligands. Part 9. Catalytic Activity of Biomimetic Cobalt(II) and Copper(II) Complexes of Multimedia Ligands". Journal of Organic Chemistry (Arkivoc). 2002. 1X,9-18.</i> | 1.00 | | |
| Maree,DM and Nyokong,T | | | |
| <i>Maree,DM, Nyokong,T, Suhling,K and Phillips,P. "Effects of axial ligands on the photophysical properties of silicon octaphenoxypthalocyanine". Journal of Porphyrins and Phthalocyanines. 2002. 6,373-376.</i> | 0.50 | | |
| Maree,SE and Nyokong,T | | | |
| <i>Maree,SE, Phillips,D and Nyokong,T. "Synthesis, photophysical and photochemical studies of germanium and tin phthalocyanine complexes". Journal of Porphyrins and Phthalocyanines. 2002. 6,17-25.</i> | 0.67 | | |
| Nyokong,T | | | |
| <i>Daya,S, Limson,J, Nyokong,T and Parmar,P. "Melatonin protects against copper-mediated free radical damage". Journal of Pineal Research. 2002. 32(4),237-242.</i> | 0.25 | | |
| <i>Grootboom,N and Nyokong,T. "Iron perchlorophthalocyanine and tetrasulfophthalocyanine catalysed oxidation of cyclohexane using hydrogen peroxide, chloroperoxybenzoic". Journal of Molecular Catalysis A-Chemical. 2002. 179,113-123.</i> | 1.00 | | |
| <i>Matlaba,P and Nyokong,T. "Synthesis, electrochemical and photochemical properties of unsymmetrically substituted zinc phthalocyanine complexes". Polyhedron. 2002. 21,2463-2472.</i> | 1.00 | | |
| <i>Oni,J and Nyokong,T. "Spectroscopic and electrochemical studies of the interaction between iron (II) tetrasulfophthalocyanine and histamine". Journal of Porphyrins and Phthalocyanines. 2002. 6,203-210.</i> | 1.00 | | |
| <i>Ozoemena,K and Nyokong,T. "Voltammetric characterization of the self-assembled</i> | 1.00 | | |

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|---|-------|--|--|
| monolayer (SAM) of octabutylthiophthalocyaninatoiron(II): A potential electrochemical sensor". <i>Electrochimica Acta</i> . 2002. 47,4035-4043. | | | |
| Ozoemena,K and Nyokong,T. "Octabutylthiophthalocyaninatoiron(II): Electrochemical properties and interaction with cyanide". <i>Journal of Chemistry Society Dalton Transactions</i> . 2002. 1806-1811. | 1.00 | | |
| Thamae,M and Nyokong,T. "Interaction of sulphur dioxide and cyanide with cobalt(II) tetrasulfophthalocyanine in aqueous media". <i>Polyhedron</i> . 2002. 21,133-140. | 1.00 | | |
| Sewry,JD and Brown,ME | | | |
| Sewry,JD and Brown,ME. "Model-free Kinetic Analysis?". <i>Thermochimica Acta</i> . 2002. 390,217-225. | 1.00 | | |
| Watkins,GM | | | |
| Antunes,APM, Duncan,JR, Watkins,GM and Maclear,A. "The removal of Gold from solution by the viable microbial biomass <i>Phomas sp.</i> ". <i>Resource and Environmental Biotechnology</i> . 2002. 3,229-230. | 0.25 | | |
| Westbroek,P and Nyokong,T | | | |
| Oni,J, Westbroek,P and Nyokong,T. "Voltammetric detection of vitamin B1 at carbon paste electrodes and its determination in tablets". <i>Electroanalysis</i> . 2002. 14,1165-1168. | 1.00 | | |
| Ozoemena,K, Westbroek,P and Nyokong,T. "Cyclic voltammetric studies of octabutylthiophthalocyaninato-cobalt(II) and its self-assembled monolayer (SAM) on gold electrode". <i>Journal of Porphyrins and Phthalocyanines</i> . 2002. 6(12),98-106. | 1.00 | | |
| Thamae,M, Westbroek,P and Nyokong,T. "pH study of the SO2 detection at a glassy carbon electrode modified with iron(II)tetrasulfophthalocyanine". <i>Mikrochimica Acta</i> . 2002. 140,233-239. | 1.00 | | |
| TOTAL FOR CHEMISTRY | 19.01 | | |
| TOTAL IN PRESS | 0.50 | | |
| TOTAL NON SAPSE | 0.00 | | |

COMPUTER SCIENCE

Forty-five postgraduate students at the honours, masters, and doctoral levels worked on research projects in the Computer Science department in 2002, spanning the fields of computer networking, distributed systems, web services, voice over the Internet Protocol, audio engineering, multimedia databases, graphics and virtual reality.

Several students excelled. Final year MSc student Guy Halse was named as the Computer Society of South Africa's IT student of the year in the Eastern Cape chapter, with fellow MSc student Jason Penton as the runner up. Honours student Grant Miller's project was nominated for a national NACI (National Advisory Council on Innovation) award. As a Telkom bursary student, Mr Jason Penton's level of feedback into his sponsoring company was particularly impressive, to the extent that he was invited by a senior executive to travel to the Sub-Saharan ITU (International Telecommunication Union) Conference in Kasane, Botswana, as a Telkom delegate, where he contributed to the H323 protocol discussions on behalf of the company. Student work was also exhibited at three overseas conferences in Europe and North America, at several local conferences, and at the National festival of Science, Engineering & Technology (SASOL SciFest).

A highlight of 2002 was the naming of Rhodes University as the top performing research group funded under the National Centres of Excellence (CoE) in ICT programme. Twenty-two research groups based at University and Technikon departments of Computer Science and Electrical Engineering throughout South Africa are funded under the programme by Telkom and other partners in the ICT industry. In making the award on behalf of industry partners of the programme to Professor Clayton, head of the centre at Rhodes, Mr Reuben September, Chief Technology Office of Telkom South Africa, indicated that the award was based on an overall evaluation of research conducted within the group. The criteria included: postgraduate output, innovation, impact on the sponsoring industries, management of the project, and contributions to the aims of the CoE programme nationally. "Rhodes University has exceeded our expectations in all of these areas", Mr September added.

The Industry funded Centre of Excellence in Distributed Multimedia, housed in the Computer Science department, entered its 6th year of operation in 2002, and continued to provide umbrella funding and direction for research in Computer Science. Telkom SA has been the anchor sponsor since the inception of this centre. Additional partnerships were forged with Comparex Africa and Letlapa Mobile Solutions in 2002, and a formal research collaboration agreement was signed with these new partners at a ceremony on 5th July 2002. The new partner signing ceremony also incorporated the launch of the CoE showcase laboratory in the Hamilton Building at Rhodes University. The industrial funding for the Centre is augmented by the Department of Trade and Industry's THRIP programme.

Computer Science bid for Microsoft research funding in competition with international research groups, and was one of 22 research groups world wide to win support, which provided funding for the special Rotor project across the 2002/2003 operating years. This has opened up a collaborative relationship with the Microsoft Research Centre at Cambridge University.

Prof Foss established a collaborative relationship with Yamaha, Japan, in the area of audio engineering, which provided an additional opportunity during 2002 to attract matching THRIP funds. Prof Foss is a workgroup member of the International Audio Engineering Standards Authority, and attended its conventions in Munich and Los Angeles as a panellist and presenter.

In 2002, Rhodes offered several postgraduate Computer Science courses to Fort Hare University, partially in attendance and partially via videoconferencing. Some postgraduate students from Rhodes were involved in the setting up and maintenance of equipment at Fort Hare. Project supervision of Fort Hare students was also carried out from Rhodes University. The capacity building efforts of Rhodes staff and students on the Fort Hare campus over the past five years has been successful, to the extent that an independent research centre was spun off at University of Fort Hare, formerly an extension unit of the Rhodes centre, at a ceremony on 15 November 2002, with industrial support from Telkom, Tellabs, Grintek Telecomms, and Molapo Technology.

One of the project's achievements during 2002 was the design of an underlying system to support telephony for the deaf. Students at Rhodes have worked on this system with students from the University of the Western Cape, with Rhodes contributing the system kernel for the project. The system prototypes H323 as a platform for converting audio to text and back again in an ISDN telephony environment, and promises to be a lot cheaper than Telkom's current Teldem machines. This project has attracted some high profile attention in the national media, including SABC 3 television news, and is being field tested by a deaf community.

As a spin off of the research activity in Computer Science, staff and students have been very actively involved in supporting IT and Network infrastructures at previously disadvantaged schools in the Grahamstown area. They have been directly involved with Nathaniel Nyaluza High School and Nombulelo Senior Secondary School for almost three years now, and more recently with the Good Shepherd and the George Dickerson Primary Schools. The involvement

with Nyalusa has been very successful, leading to their winning a laboratory of computers in an international online web building competition, and in 2002 leading to a twinning of the school with a school in Italy. The teacher in charge of computing at the school and several pupils have visited Italy in a trip sponsored by the Italians.

PROFESSOR G. WELLS
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Wells,GC and Clayton,PG

Wells,GC, *Chalmers,AG* and *Clayton,PG*. "Extending the matching facilities of Linda". In: *Arbab, F(eds) Lecture Notes in Computer Science*. Springer-Verlag. Amsterdam. 2002. 2315, 380-388.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Bangay,S

Winnemoeller,H and *Bangay,S*. "Geometric Approximations Towards Free Specular Comic Shading". *Computer Graphics Forum*. 2002. 21(3), (Online).

Clayton,PG and Wells,GC

Preston,RM, *Clayton,PG* and *Wells,GC*. "Dynamic run-time application development using CORBA Objects and XML in the field of Distributed GIS". *International Journal of Geographical Information Science*. 2002. (In Press).

OTHER PUBLICATIONS

Wells,GC

Wells,GC and *McNeill,JB*. "Proceedings on CD". *Wells,GC* and *McNeill, JB(eds) Proceedings of the 32nd Annual Southern African Computer Lecturer's Association Conference (SACLA 2002)*. Rhodes University. Grahamstown. 2002.

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

i. Local Conferences (Within South Africa)

Clayton,PG

Clayton,PG. "A Way Forward For CoEs". *Centre of Excellence Workshop*. Champagne Castle Hotel, Drakensberg. March 2002.

Clayton,PG. "The CoE Programme – Current Status and Future Direction". *Centre of Excellence Head's Workshop*. Drakensberg Sun, Drakensberg. September 2002.

Clayton,PG. "Access Technology Research in South Africa". *SA-INDO Workshop on Advanced Computing*. Pretoria. October 2002.

Anderson,M and *Clayton,PG*. "Investigation into VoiceXML". *SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference*. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002.

Jacobs,A and *Clayton,PG*. "Utilizing MGCP to design an H.323 Endpoint SMS Service". *SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference*. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002. 187-192.

Miller,G and *Clayton,PG*. "An Exploration into Microsoft Visual Studio.NET and XML to meet the Literary Scholar's Computing Needs". *SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference*. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002.

Zhao,X and *Clayton,PG*. "Evaluating.NET for mobile solutions". *SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference*. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002. 217-224.

Foss,RJ

Sieborger,DR and Foss,RJ. "Concurrent Control of IEEE –1394 Devices Using Universal Plug and Play and Audio Video Control Protocols". SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002.

Foss,RJ and Klinkradt,B

Tsegaye,M, Foss,RJ and Klinkradt,B. "Enabling IEEE 1394.1 Bridging Functionality in Current Linux and Windows 1394 Drivers". SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002.

Foster,GG

Hodgson,AN and Foster,GG. "A preliminary investigation into first-year student interactions with an online self-study assignment: The biological sciences as a case study". Proceedings of the 32nd Annual Southern African Computer Lecturer's Association Conference (SACLA 2002). Fish River Sun, Fish River. July 2002. 1-10.

Okuthe,J and Terzoli,A

Hsieh,MC, Okuthe,J and Terzoli,A. "An investigation into multimedia service creation using SIP". SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002. 181-188.

Penton,J

Penton,J, Tucker,B and Glaser,M. "Telgo323: An H.323 Bridge for Deaf Telephony". SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002. 309-314.

Terry,PD

Wright,M and Terry,PD. "XML Parsing". SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002.

Terzoli,A

Halse,GA and Terzoli,A. "Open Source in South African Schools: Two Case Studies". Highway Africa 2002. Johannesburg. August 2002.

Ndakunda,K, Sewry,DA and Terzoli,A. "Towards Efficient and Effective Information Retrieval in Object Relational Databases". Post-Graduate Research Symposium - SAISCIT 2002. The Boardwalk Conference Centre, Port Elizabeth. September 2002.

Penton,J and Terzoli,A. "CANS: Customizable Alarm Notification System, an H.323 Signalling Service". SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002. 193-198.

Stakemire,T, Sewry,DA and Terzoli,A. "Designing MORD: an Object-Relational Database Benchmark". Post-Graduate Research Symposium - SAISCIT 2002. The Boardwalk Conference Centre, Port Elizabeth. September 2002.

Swales,D, Sewry,DA and Terzoli,A. "An Investigation of Technologies used to Distribute Multimedia across the Internet". Post-Graduate Research Symposium - SAISCIT 2002. The Boardwalk Conference Centre, Port Elizabeth. September 2002.

Wells,GC

Halse,GA and Wells,GC. "A Bi-directional SOAP/SMS Gateway Service". SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002. 199-204.

Wells,GC and Foster,G

Rudrarju,U, Mabvudsa,F, Wells,GC and Foster,G. "E-Commerce Memorabilia Webshop". SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002.

Wentworth,EP

Wentworth,EP. "What's all the fuss about Microsoft.NET?". Microsoft Strategic Architects Forum. Johannesburg. March 2002.

Wentworth,EP. "How will Microsoft's.NET impact us?". IFIP Working Group 2.4. Simonstown. March 2002.

Ndlangisa,M, Wentworth,EP and Sterne,PJ. "Biometric Recognition with Relaxed Accuracy Requirements on a.NET Framework". SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002.

van Berkel,G and Wentworth,EP. "Distributed Configuration Advisor". SATNAC 2002, The South African Telecommunications, Networks, and Applications Conference. Drakensberg Champagne Sports Hotel, Drakensberg. September 2002.

Wentworth,EP, Clayton,PG and Bangay,SD

Wentworth,EP, Clayton,PG and Bangay,SD. ".NET Workshop". 32nd Annual Southern African Computer Lecturer's Association Conference (SACLA 2002). Fish River Sun, Fish River. July 2002.

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

ii. International Conferences (Outside South Africa)

Bangay,SD

Winnemoeller,H and Bangay,SD. "Geometric Approximations Towards Free Specular Comic Shading". Eurographics 2002. Saarbrucken. Germany. September 2002.

Foss,RJ

Fujimori,J and Foss,RJ. "mLAN: Current Status and Future Directions". 113th Audio Engineering Society Convention. Los Angeles. USA. October 2002. Paper 5699.

Laubscher,R and Foss,RJ. "Studio Exploring Using Universal Plug and Play". 113th Audio Engineering Society Convention. Los Angeles. USA. October 2002. Paper 5698.

Wells,GC and Clayton,PG

Wells,GC, Chalmers,AG and Clayton,PG. "Extending the matching facilities of Linda". 5th International Conference on Coordination Models and Languages (COORDINATION 2002). York. UK. June 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Clayton,PG

Clayton,PG. Cambridge University, Cambridge, UK. Microsoft Rotor Workshop. 22 - 26 July 2002.

Foss,RJ

Foss,RJ. Yamaha, Hamamatsu, Japan. Joint Research Collaboration. 10 - 25 January 2002.

Foss,RJ. Audio Engineering Society, Munich, Germany. Workshop & Standards Discussion. 10 - 13 May 2002.

Foss,RJ. Audio Engineering Society, Los Angeles, USA. Workshop. 20 - 26 October 2002.

Terry,PD

Terry,PD. Cambridge University, Cambridge, UK. Microsoft Rotor Workshop. 22 - 26 July 2002.

Terry,PD. Queensland University of Technology, Brisbane, Australia. Sabbatical Visit & Research Collaboration. 1 October - 31 December 2002.

Wells,GC

Wells,GC. York University, York, UK. Research Collaboration. 8 - 19 April 2002.

DISTINGUISHED VISITORS

Dr R Bush. Network Startup Resource Centre, Seattle, Award of Honorary Doctorate. April 2002.

Professor D Riordan. Dalhousie University, Halifax, Sabbatical Visit, Joint Research & Postgraduate. March 2002.

SUBSIDY UNITS CLAIMED

| COMPUTER SCIENCE | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Bangay,S | | | |
| <i>Winnemoeller,H and Bangay,S. "Geometric Approximations Towards Free Specular Comic Shading". Computer Graphics Forum. 2002. 21(3), (Online).</i> | 1.00 | | |
| Clayton,PG and Wells,GC | | | |
| <i>Preston,RM, Clayton,PG and Wells,GC. "Dynamic run-time application development using CORBA Objects and XML in the field of Distributed GIS". International Journal of Geographical Information Science. 2002. (In Press).</i> | 1.00 | Y | |
| TOTAL FOR COMPUTER SCIENCE | 2.00 | | |
| TOTAL IN PRESS | 1.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

DICTIONARY UNIT FOR SOUTH AFRICAN ENGLISH

In July 2002 the Dictionary Unit for South African English hosted the 7th International Conference of the African Association for Lexicography. The conference attracted almost 100 delegates from southern African countries, Kenya, and Gabon, as well as from Europe and Hong Kong. Keynote speakers were Prof. H. Bergenholtz (Denmark), Prof. A.C. Nkabinde (South Africa) and Prof. A. Hurskainen (Finland).

In August the *South African Concise Oxford Dictionary*, edited by the Dictionary Unit over a period of three years, was published by Oxford University Press.

MS. K. KAVANAGH
EXECUTIVE DIRECTOR

OTHER PUBLICATIONS

Kavanagh,KP

Kavanagh,KP. "South African Concise Oxford Dictionary". *International Journal of Geographical Information Science*. Dictionary Unit for South African English. Oxford University Press. Cape Town. 2002. 1-1368.

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

i. Local Conferences (Within South Africa)

Kavanagh,KP

Mpalami,N, *Kavanagh,KP*, Manyisa,P and Moeti,D. "Work in progress: first steps in using a bilingual dictionary framework". *7th International Conference of the African Association for Lexicography*. Rhodes University, Grahamstown. July 2002.

Wolvaardt,EJ

Wolvaardt,EJ. "Dictionaries, a cultural investment? Some thoughts on fundraising for dictionary projects". *7th International Conference of the African Association for Lexicography*. Rhodes University, Grahamstown. July 2002.

DISTINGUISHED VISITORS

Professor MR Malope. Pan South African Language Board, Pretoria, Meetings. June 2002.

Professor R Mesthrie. University of Cape Town, Cape Town, Meetings. Jan, March 2002.

Professor M Moleleki. Pan South African Language Board, Pretoria, Meetings. June 2002.

SUBSIDY UNITS CLAIMED

| DICTIONARY UNIT | UNITS | IN PRESS | NON SAPSE |
|---------------------------|-------|----------|-----------|
| TOTAL FOR DICTIONARY UNIT | 0.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

DRAMA

The research output from the drama department in 2002 was principally in the area of practical research resulting in the creation of a range new South African theatre works as well as the performance of original works to a national and International audience.

A highlight of this research featured the publication by Oberon Press in London of three of Professor Reza de Wet's play texts under the title "A Russian Trilogy".

As further evidence of the quality and high regard in which her work is held, professional productions of two of her plays were mounted in London and New York.

Under the Artistic Direction of Professor Gary Gordon, the First Physical Theatre Company during 2002 effected the creation and presentation of eleven new Physical Theatre works. These were featured performances at the major dance festivals in the country. Mr Acty Tang a full time member of the company and Drama Masters student was also selected as one of the entrants for the Daimler Chrysler Award for Choreography for which he created a new work with the company.

Professor Andrew Buckland toured the UK presenting his play *The Well Being* at five venues including Riverside studios in London, The Royal Exchange in Manchester, The Komedia Brighton at the Brighton Festival, and the Old Museum Theatre in Belfast.

PROFESSOR A. BUCKLAND
HEAD OF DEPARTMENT

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Buckland,AF

Buckland,AF. Performer and co-author. "*The Well Being*". Riverside Studio. London, UK. 8 - 28 April 2002.

Buckland,AF. Performer and co-author. "*The Well Being*". Brighton International Festival. Komedia Brighton. Brighton, UK. 6 - 11 May 2002.

Buckland,AF. Performer and co-author. "*The Well Being*". Wycombe Swan. High Wycombe, UK. 15 - 17 May 2002.

Buckland,AF. Performer and co-author. "*The Well Being*". Old Museum Arts Centre. Belfast, UK. 21 - 25 May 2002.

Buckland,AF. Performer and co-author. "*The Well Being*". The Royal Exchange. Manchester, UK. 6 - 8 June 2002.

Buckland,AF. Author and Performer. "*Feedback*". National Arts Festival. Fringe venue. Grahamstown. 1 - 6 July 2002.

Buckland,AF. Author and Performer. "*Feedback*". National Schools' Festival. Rhodes Theatre. Grahamstown. 6 - 11 July 2002.

Buckland,AF. Author and Performer. "*Feedback*". Earth Summit. St Sithian's College. Johannesburg. 26 - 27 August 2002.

Buckland,AF. Performer and co-author. "*Feedback*". House on Fire. Mbabane, Swaziland. 12 - 13 November 2002.

Buckland,AF. Author and Performer. "*Feedback*". Guild Theatre. East London. 4 - 6 December 2002.

Buckland,AF. Workshop leader. "*Physical comedy and performance*". AFDA. Afa. Johannesburg. 7 - 11 September 2002.

Crewe,JL

Crewe,JL. Choreographer and performer. "*Crossing Heavy Water*". National Arts Festival. City Hall. Grahamstown. 29 June - 2 July 2002.

Crewe,JL. Choreographer and performer. "*Ozymandias*". fnb dance umdudo. Rhodes Theatre. Grahamstown. 17 - 21 April 2002.

Crewe, J.L. Choreographer and performer. *"Ozymandias"*. fnb dance indaba. Baxter Theatre. Cape Town. 13 - 14 September 2002.

Crewe, J.L. Choreographer. *"Split Skin"*. fnb dance umdudo. Rhodes Theatre. Grahamstown. 17 - 21 April 2002.

de Wet, R

de Wet, R. Author. *"Three Sisters Two"*. Orange Tree Theatre. London, UK. 6 February - 20 April 2002.

de Wet, R. Author. *"Missing"*. Old Vic Theatre. London, UK. 3 March 2002.

de Wet, R. Author. *"Miracle"*. White Barn Theatre. New York, USA. 9 - 21 July 2002.

Gordon, G.G

Gordon, G.G. Choreographer and performer. *"Ozymandias"*. fnb dance umdudo. Rhodes Theatre. Grahamstown. 17 - 21 April 2002.

Gordon, G.G. Choreographer and performer. *"Ozymandias"*. fnb dance indaba. Baxter Theatre. Cape Town. 13 - 14 September 2002.

Snyman, B

Snyman, B. Choreographer. *"Café"*. fnb dance umdudo. Rhodes Theatre. Grahamstown. 17 - 21 April 2002.

Snyman, B. Choreographer. *"In the Puddles of the Moon"*. National Arts Festival. City Hall. Grahamstown. 29 June - 2 July 2002.

Snyman, B. Choreographer. *"In the Puddles of the Moon"*. fnb dance indaba. Baxter Theatre. Cape Town. 13 - 14 September 2002.

Sutherland, A.S

Sutherland, A.S. Workshop leader. *"Power Play"*. Eastern Cape Schools Festival. PE Tech. Port Elizabeth. 10 - 11 May 2002.

Sutherland, A.S. Director. *"The Distance Remains"*. National Arts Festival. The Studio. Grahamstown. 30 June - 6 July 2002.

Tang, A

Tang, A. Choreographer and performer. *"Dissipation"*. fnb dance umdudo. Rhodes Theatre. Grahamstown. 17 - 21 April 2002.

Tang, A. Choreographer and performer. *"Dissipation"*. fnb dance indaba. Baxter Theatre. Cape Town. 13 - 14 September 2002.

Tang, A. Choreographer and performer. *"Songs that seep into forgetfulness"*. Daimler Chrysler Award. Dance Factory. Johannesburg. 6 - 7 November 2002.

DISTINGUISHED VISITORS

Mr N Mkaranda. University of Zimbabwe, Harare, Zimbabwe. Seminar & Workshop. September 2002.

SUBSIDY UNITS CLAIMED

| DRAMA | UNITS | IN PRESS | NON SAPSE |
|-----------------|-------|----------|-----------|
| TOTAL FOR DRAMA | 0.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

ECONOMICS AND ECONOMIC HISTORY (GRAHAMSTOWN)

Research papers presented at conferences included those by Mr Dinty Mather, Ms Niki Cattaneo, Mr David Fryer at Robert Gordon University in Scotland, and Professor Geoff Antrobus and Masters student Mr Simon Hess at the Arid Zone Ecology Forum. Simon also presented a paper at the Trade and Industry Promotion (TIPS) conference and at the annual conference of the European Network for Industrial Policy in Finland. Other Masters students who presented their research were Mr Christo Viljoen, at the Agricultural Economics Association conference and Mr Pieter Grootes in the United States.

Ms Niki Cattaneo completed an article with Mr David Fryer entitled "Concepts and techniques for evaluating tariff applications" and Professor Hugo Nel worked on a project with Oxford Analytica on monetary and fiscal transparency in South Africa and submitted an article for publication on the Coega developments in Port Elizabeth.

PROFESSOR H. NEL
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Bell,RT

Bell,RT. "Competitiveness, international trade and finance in a minerals -rich economy: The case of South Africa". In: Fanelli,J M and Medhora, R(eds) *Finance and Competitiveness in Developing Countries*. Routledge. USA. 2002. 181-221.

Bell,RT. "The manufacturing industry, 1970 - 2000". In: Jones, S(eds) *The Decline of the South African Economy*. Edward Elgar. USA. 2002. 99-142.

Faure,PS

Faure,PS. "Rudiments of the South African financial system". In: Van Zyl,C, Botha,Z and Skerritt, P(eds) *Understanding South African financial markets*. Van Schaik Publishers. Hatfield, Pretoria. 2002. 3-26.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Snowball,JD and Antrobus,GG

Snowball,JD and Antrobus,GG. "Valuing the Arts: Pitfalls in Economic Impact Studies of Arts Festivals". *South African Journal of Economics*. 2002. 70(8),1297-1319.

OTHER PUBLICATIONS

Antrobus,GG

Antrobus,GG. "Greater Addo Elephant National Park income from commercial grazing and livestock farming". Avis, T(eds) *Specialist Report No 5 for Coastal and Environmental Services Grahamstown*. National Parks Board. Port Elizabeth. 2002. (In Press).

Antrobus,GG and Fraser,GCG. "Economic impact of Stock theft in the Eastern Cape". East Cape Red Meat Producers Organisation. Port Elizabeth. 2002. (In Press).

Cattaneo,NS

Cattaneo,NS (eds). *Journal of Contemporary African Studies*. Carfax Publishing. Basingstoke, Hants. 2002.

Mather,D

Mather,D, Britz,PJ, Hecht,T and Sauer,WHH. "Economic and regulatory principles, survey results, transformation and socio-economic impact". Report for Department of Environmental Affairs and Tourism Branch Marine and Coastal Management Coastal Management. 2002. 1.

Sauer,WHH, Hecht,T, Britz,PJ and Mather,D. *Fishery Profiles*. 2002. 2.

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

i. Local Conferences (Within South Africa)

Antrobus,GG

Antrobus,GG. "Developments in Teaching Environmental Economics". *Environmental Management for Sustainable Universities*. Rhodes University, Grahamstown. September 2002.

Antrobus,GG and *Viljoen,LJC*. "Economic Efficiency of Agricultural Futures Markets in South Africa". *Agricultural Economics Association of South Africa*. University of the Free State, Bloemfontein. September 2002.

Antrobus,GG and Hess,SP

Antrobus,GG and *Hess,SP*. "Measuring the Economic Impact of Alien Vegetation Removal". *Arid Zone Ecology Forum*. Grootfontein Agricultural College, Middleburg. August 2002.

Cattaneo,NS

Cattaneo,NS. "Formal comment on: Employment and household poverty: the effects of trade, investment and technology by H Bhorat and L Poswell". *Workshop on Globalisation, Production and Poverty in South Africa*. Sunnyside Park Hotel, Johannesburg. June 2002.

Cattaneo,NS. "Intra- versus inter-industry specialisation, labour market adjustment and poverty: implications for regional integration in southern Africa". *Trade and Industrial Policy Strategies Annual Forum*. Glenburn Lodge, Muldersdrift. September 2002.

Cattaneo,NS. "Formal comment on: A firm level analysis of trade, technology and employment in South Africa by L Edwards". *Trade and Industrial Policy Strategies Annual Forum*. Glenburn Lodge, Muldersdrift. September 2002.

Fryer,DCA and Vencatachellum,D

Fryer,DCA and *Vencatachellum,D*. "Returns to education in South Africa: The case of Machibisa". *Second Annual Conference on Labour Markets and Poverty In South Africa*. Glenburne Lodge, Kromdraai Road, Muldersdrift, Johannesburg. October 2002.

Wilson,MK

Wilson,MK. *African Econometric Modelling Conference*. University of Pretoria-Kruger National Park, July 2002.

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

ii. International Conferences (Outside South Africa)

Fryer,DCA

Fryer,DCA and *Stuart,RA*. "Good Jobs, Bad Jobs and Unemployment in South Africa: A methodological Critique". *6th International Labour Markets Conference*. Aberdeen. Scotland. June 2002.

Mather,D

Britz,PJ, *Sauer,WHH* and *Mather,D*. "Towards Equity in South African Fisheries". *International Institute for Fisheries Economics and Trade Symposium*. IIFET 2002, Wellington. New Zealand. August 2002.

Mather,D, *Britz,PJ*, *Sauer,WHH*, *Hecht,T* and *Oellermann,LK*. "Economic and sectoral study of the South African Fishing Industry". *Southern African Marine Science Symposium*. Swakopmund Hotel & Conference Centre, Swakopmund. Namibia. July 2002. 60.

DISTINGUISHED VISITORS

Dr X Guma. South African Reserve Bank, Pretoria, Lecture. October 2002.

Dr P Hawkins. Financial & Economic Analysis Strategy, Johannesburg, Lecture. February 2002.

Professor M Holden. University of Natal, Durban, Postgraduate Conference. October 2002.

Dr L Merid. UNDP, Pretoria, Lecture. October 2002.

Dr L Merid. UNDP, Pretoria, Lecture. October 2002.

Professor D Vencatachellum. University of Montreal, Montreal, Canada. Hobart Houghton Fellow, public lecture. January 2002.

Professor C Wait. University of Port Elizabeth, Port Elizabeth, Lecture. July - October 2002.

SUBSIDY UNITS CLAIMED

| ECONOMICS | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Snowball,JD and Antrobus,GG | | | |
| <i>Snowball,JD and Antrobus,GG. "Valuing the Arts: Pitfalls in Economic Impact Studies of Arts Festivals". South African Journal of Economics. 2002. 70(8),1297-1319.</i> | 1.00 | | |
| TOTAL FOR ECONOMICS | 1.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

ECONOMICS AND ECONOMIC HISTORY (EAST LONDON)

A research paper entitled: "Good Jobs, Bad Jobs and Unemployment in South Africa: A methodological Critique", was jointly produced by a staff member during 2002. In June 2002, the paper was presented by the staff member at the 6th International Labour Markets Conference in Aberden, Scotland. Empirical investigation on the subject is continuing. Funding for this work has been obtained from the NRF, and the staff member has been included as a co-researcher on the project.

Another staff member researched a thesis for a MCom in Economics. The thesis looks at the contemporary issues of transformation/reform in the South African Squid Industry. Funding for the thesis was secured from the NRF grant for a research on the SA fishing industry. As part of the thesis research, the staff member was also involved in an Economic Sectoral Study (ESS), which was conducted by Marine and Coastal Management of the Department of Environment and Tourism, to gain baseline information about the South African coast and fishing industry. Specifically, the research involved the design and drawing up of socio-economic data tables for the fishing towns in SA.

DR. A TSEGAYE
LECTURER-IN-CHARGE

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

ii. International Conferences (Outside South Africa)

Stuart,RA

Fryer,DCA and Stuart,RA. "Good Jobs, Bad Jobs and Unemployment in South Africa: A methodological Critique". 6th International Labour Markets Conference. Aberdeen. Scotland. June 2002.

SUBSIDY UNITS CLAIMED

| ECONOMICS (East London) | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| TOTAL FOR ECONOMICS (East London) | 0.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

EDUCATION (GRAHAMSTOWN)

The Departmental research return reflects several positive trends:

- An increase in publications in accredited journals, and in books
- An increased awareness among staff to seek accreditation for publications they support and contribute to (although this process is still shrouded in mystery for many of us)
- A growing input into research products from research associates and other parties involved in research projects
- A vibrant conference life, usually as presenters

The Department's diversity is both a strength and a weakness: a strength in that we can cater for many of the discrete disciplines within education; a weakness in that it is difficult to form research partnerships across disciplines. It is gratifying to see an increasing number of staff members seeking partnerships outside the university.

Research highlights of the year are in the fields of Environmental Education (especially the exciting new field of indigenous knowledge, a focus area for the NRF), language policy (driven by our Senior Researcher who chaired the national language curriculum committee), and publications on research itself. The Department prides itself on having established a reputable research methods short course, and hence this interest flows naturally into publication in the field.

It remains a pity that so much of our effort cannot find its way into accredited publications. This is largely due to three reasons: Many staff members prefer to publish in media that will reach practitioners, rather than academics; many staff are called upon to conduct evaluations or other investigations, usually resulting in un-recognised, restricted publications; and several (five) of our staff are involved in policy work at the highest levels. Their contributions here will shape national education policy and curricula, and we (as a professional Department) value this work highly. Unfortunately it cannot result in publication in the usual sense of that word.

The Department is conscious that it needs to improve its profile in research generally, and to that end launched a Research Expo last year which proved highly successful and will become an annual event.

PROFESSOR H. VAN DER MESCHT
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Hodgkinson, CA

Hodgkinson, CA. "Information and communication technology skills". In: Maree, H and Ebershon, L (eds) *Life -skills and career counselling*. Heinemann. Sandown. 2002. 181-193.

Murray, S

Murray, S. "Language issues in South African education: An overview". In: Mesthrie, R (eds) *Language in South Africa*. Cambridge UP. Cambridge. 2002. 434-448.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Lotz-Sisitka, H

Lotz-Sisitka, H. "Weaving cloths: Research design decisions on context of transformation". *Canadian Journal of Environmental Education*. 2002. 7(2), 101-124.

Lotz-Sisitka, H and *Burt, J.* "Being brave: Writing environmental education research". *Canadian Journal of Environmental Education*. 2002. 7(1), 132-151.

Murray, S

Murray, S. "Get real? Some thoughts on research for teaching and research for policy". *Journal of Education*. 2002. 27, 59-80.

Murray, S. "Democratic values, humanism and African language learning". *Perspectives in Education*. 2002. 20(1), 111-122.

Probyn, MJ, Murray, S, Botha, L, Brookes, M, Westphal, V and Botya, P. "Minding the gaps - an investigation into language policy and practice in four Eastern Cape districts". *Perspectives in Education*. 2002. 20(1), 29-46.

Wright,LS and Murray,S. "The principle of the NRF rating system for the humanities and social sciences: Ameliorating the judgment of Paris". *South African Journal of Higher Education*. 2002. 16(2),83-93.

O'Donoghue,R and Lotz-Sisitka,H

O'Donoghue,R and Lotz-Sisitka,H. "Insights on the gap". *Environmental Education Research Journal*. 2002. 8(3),261-271.

Van der Mescht,H

Van der Mescht,H. "Four levels of rigour in interpretative qualitative research". *Education as Change*. 2002. 6(1),43-51.

OTHER PUBLICATIONS

Boltt,G and Van Harmelen,U

Boltt,G and Van Harmelen,U. "Project analysis and impact assessment ABSA/ORT-STEP Mitchell's Plain Tech Ed Project". RU Education Department. Grahamstown. 2002.

Hendricks,M and Murray,S

Botha,E, Botya,P, Brookes,M, Hendricks,M, Mdaka,P, Murray,S, Probyn,MJ, Nosilela,B, Sobahle,P, Westphal,V and Zinn,D. "Report on school language policy research". 2002.

Irwin,P

Whitehouse,A and Irwin,P. "A field guide to Addo elephants". IFA, RUEEU. Grahamstown. 2002.

Irwin,P and Euvrard,G

Irwin,P, Euvrard,G, Radloff,SE and Boughey,C. "Why go to lectures? A survey of student perceptions of the value of lectures". Rhodes University. Grahamstown. 2002.

Jantjies (van Harmelen),A and Wilmot,D

Jantjies (van Harmelen),A and Wilmot,D. "Die leerplatform: ons ondersoek ons omgewing (onderwysersgids Gr 6)". Nasou. Cape Town. 2002.

Jantjies (van Harmelen),A and Wilmot,D. "Die leerplatform: ons ondersoek ons omgewing (leerderboek)". Nasou. Cape Town. 2002.

Jantjies (van Harmelen),A and Wilmot,D. "The learning platform: investigating my world (learner's resource book)". Nasou. Cape Town. 2002.

Jantjies (van Harmelen),A and Wilmot,D. "The learning platform: investigating my world (teacher's guide)". Nasou. Cape Town. 2002.

Lotz-Sisitka,H and Irwin,P

Lotz-Sisitka,H and Irwin,P. "Forming partnerships: insights from Southern Africa". Roots - Botanic Gardens. Botanic Gardens Conservation International. UK. 2002. 21-25.

O'Donoghue,R

O'Donoghue,R. "Indigenous knowledge: towards learning materials and methodologies that respond to social pressures of marginalisation and appropriation in Eastern South Africa". RU EE Unit. Grahamstown. 2002. 33-43.

O'Donoghue,R. "Teaching endogenous knowledge in South Africa. Issues, approaches and aids". Working papers from the teaching endogenous knowledge in South Africa project. University of Pretoria. Pretoria. 2002. 119-142.

Southwood,S

Southwood,S. "Challenges of teacher development: an investigation of take-up in South Africa". SAARMSTE. 2002. 6.

Southwood,S and Lotz-Sisitka,H

Southwood,S and Lotz-Sisitka,H. "Planning environmental education in your school". The enviropaedia: World summit edition. Eco-logic Publishing cc. Simonstown. 2002.

Wilmot,D

Wilmot,D. "An evaluation of implementing the grade 9 CASS and CTA at two Eastern Cape schools, 2002, within a professional and curriculum development framework". 2002.

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

i. Local Conferences (Within South Africa)

Euvrard,G

Euvrard,G. "Which model? Beware those who know". *Education & Training: Models for best practice*. Pine Lodge Conference Centre, Port Elizabeth. December 2002.

Lotz-Sisitka,H

Lotz-Sisitka,H. "Environmental education in Southern Africa: An overview of processes, issues and challenges". *World Summit on Sustainable Development - UNESCO-Department of Education Seminar*. Sandton, Johannesburg. September 2002.

Ngcoza,K

Ngcoza,K and *Maselwa,R.* "Changing gears and rewiring the mind: towards conceptual understanding in science". *SAASTE Conference*. University of the North, Pietersburg. July 2002.

Ngcoza,K and *Maselwa,R.* "Voices of science and learning about SASOL Sci-Fest: from spectators to players in science communication". *PCST Conference*. UCT, Cape Town. December 2002.

O'Donoghue,R

O'Donoghue,R. "Indigenous knowledge: Towards learning materials and methodologies that respond to social pressures of marginalisation and appropriation in Eastern Southern Africa". January 2002.

Southwood,S

Southwood,S. "Towards a collaborative approach to teacher professional development: A journey of negotiation". *SAARMSTE*. University of Natal, Durban. January 2002.

Southwood,S. *NRF Day Conference*. Fort Hare, Alice. July 2002.

Southwood,S. "Bridging the gaps: A passionate strategy". *AMESA/MiST Joint conference*. RU, Grahamstown. September 2002.

Southwood,S. "Collaborative development". *Education & Training: Models for best practice*. Pine Lodge Conference Centre, Port Elizabeth. October 2002.

Southwood,S. "Collaborative development: Characteristics, complexities and contexts". *Kenton at Muldersdrift*. WITS, Johannesburg. November 2002.

Southwood,S. "Marketing the essence: A passionate strategy". *Public communication of science and technology*. UCT, Cape Town. December 2002.

Stevens,A

Stevens,A. "Keynote address". *National conference for technology teachers*. Port Natal School, KZN. September 2002.

Van der Mescht,H

Van der Mescht,H. *Education & Training: Models for best practice*. Pine Lodge Conference Centre, Port Elizabeth. October 2002.

Wilmot,D

Wilmot,D. "The impact of changing assessment on teaching and learning geography". *International Geography Conference*. International Convention Centre, Durban. August 2002.

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

ii. International Conferences (Outside South Africa)

Irwin,P and Lotz-Sisitka,H

Irwin,P and *Lotz-Sisitka,H.* "Forming partnerships: Insights from Southern Africa". *Botanical Gardens International Conference*. Sydney. Australia. September 2002.

van der Mescht,H

Probyn,MJ and van der Mescht,H. "Mentoring and Prospects for Teacher Development - a South African Perspective". Second British Council Regional Mentor Conference. Cluj-Napoca. Romania. April 2000. 99-111.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.**Lotz-Sisitka,H**

Lotz-Sisitka,H and Russo,V. Presenters. "Learning support materials, development and use". SADC Regional Environmental Education Programme. Umgeni Valley. Howick. November 2002.

Murray,S

Murray,S. Participant. "Understanding teaching and learning in relation to language in society". ISEA RU. Grahamstown. July 2002.

Murray,S and Boltz,G

Murray,S and Boltz,G. Participant. "Genre based literacy teaching: adapting for ESL". ISEA RU. Grahamstown. November 2002.

O'Donoghue,R

O'Donoghue,R. Presenter. "Indigenous knowledge presented to USA Fulbright students". Workshop. August 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY**Euvrard,G**

Euvrard,G. Macquarie University, University of Sydney, James Cook University, Sydney, Cairns, Hamilton, Palmerston North, Wellington, Australia, New Zealand. Networking with Deans of Education. 1 - 30 September 2002.

Irwin,P

Irwin,P. Royal Botanic Gardens of Australia, National University of Singapore, Australia, Singapore, Egypt, UK. Environmental interpretation, visiting doctoral programmes, studying Islam and the environment, ecology teaching. 1 - 30 October 2002.

Ngcoza,K

Ngcoza,K. Monell Chemical Senses Centre, Philadelphia, USA. Collaboration and development of learning support materials. August 2002.

Robertson,S-A

Robertson,S-A. Odense Seminarium, Odense, Denmark. Departmental exchange. September 2002.

SUBSIDY UNITS CLAIMED

| EDUCATION | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Lotz-Sisitka,H | | | |
| <i>Lotz-Sisitka,H. "Weaving cloths: Research design decisions on context of transformation". Canadian Journal of Environmental Education. 2002. 7(2),101-124.</i> | 1.00 | | |
| <i>Lotz-Sisitka,H and Burt,J. "Being brave: Writing environmental education research". Canadian Journal of Environmental Education. 2002. 7(1),132-151.</i> | 0.50 | | |
| Murray,S | | | |
| <i>Murray,S. "Get real? Some thoughts on research for teaching and research for policy". Journal of Education. 2002. 27,59-80.</i> | 1.00 | | |
| <i>Murray,S. "Democratic values, humanism and African language learning". Perspectives in Education. 2002. 20(1),111-122.</i> | 1.00 | | |
| <i>Probyn,MJ, Murray,S, Botha,L, Brookes,M, Westphal,V and Botya,P. "Minding the gaps - an investigation into language policy and practice in four Eastern Cape districts". Perspectives in Education. 2002. 20(1),29-46.</i> | 0.16 | | |
| O'Donoghue,R and Lotz-Sisitka,H | | | |
| <i>O'Donoghue,R and Lotz-Sisitka,H. "Insights on the gap". Environmental Education Research Journal. 2002. 8(3),261-271.</i> | 1.00 | | |
| Van der Mescht,H | | | |
| <i>Van der Mescht,H. "Four levels of rigour in interpretative qualitative research". Education as Change. 2002. 6(1),43-51.</i> | 1.00 | | |

| | | | |
|---------------------|------|--|--|
| TOTAL FOR EDUCATION | 5.66 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

EDUCATION (EAST LONDON)

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Brookes,M

Probyn,MJ, Murray,S, Botha,L, Brookes,M, Westphal,V and Botya,P. "Minding the gaps - an investigation into language policy and practice in four Eastern Cape districts". Perspectives in Education. 2002. 20(1),29-46.

OTHER PUBLICATIONS

Brookes,M and Zinn,D

Botha,E, Botya,P, Brookes,M, Hendricks,M, Mdaka,P, Murray,S, Probyn,MJ, Nosilela,B, Sobahle,P, Westphal,V and Zinn,D. "Report on school language policy research". 2002.

Irvine,M

Macleod,C and Irvine,M. "Sustainable early childhood programmes: A pre-assessment report for Regional Educare Council and Khanyisa Community Early Childhood Development Centre". 2002.

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

i. Local Conferences (Within South Africa)

Burton,N

Burton,N. 7th International Conference on the Public Communication of Science and Technology. Cape Town. December 2002.

Burton,N. Southern African Association of Science, Technology and Engineering Centres. Cape Town. December 2002.

van der Walt,M

van der Walt,M. Recognition of Prior Learning in the workplace. East London. October 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Mtose,X

Mtose,X. Harvard University, Boston, United States. Research for PhD. August 2002.

SUBSIDY UNITS CLAIMED

| EDUCATION (EAST LONDON) | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Brookes,M | | | |
| <i>Probyn,MJ, Murray,S, Botha,L, Brookes,M, Westphal,V and Botya,P. "Minding the gaps - an investigation into language policy and practice in four Eastern Cape districts". Perspectives in Education. 2002. 20(1),29-46.</i> | 0.17 | | |
| TOTAL FOR EDUCATION (EAST LONDON) | 0.17 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

ELECTRON MICROSCOPY UNIT

The wide-ranging facilities of the Unit continued to be well-used by staff and students of several departments, both from within the university and also from other institutions in the region. At least 22 MSc and PhD students, for whom microscopy formed an important part of their work, were regular users of the Unit during the year. Of these 6 completed their projects in 2002 and had written up their theses, or were in the process of doing so. An important event for the Unit, and for microscopy-associated research in the country in general, was the fact that South Africa hosted the 15th International Congress on Electron Microscopy in Durban in September 2002. This was the first occasion when this major congress and associated exhibition of microscope technology had taken place in Africa and only the second occasion it had been held in the southern hemisphere. It attracted over 1200 delegates and 43 exhibitor companies and gave an excellent opportunity for local researchers to interact with experts in a variety of fields from throughout the world.

MR. R. CROSS
DIRECTOR

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Cross,RHM

Botha,CEJ, Cross,RHM and Lack,B. "A Role For Calcium In Regulating Plasmodesmal Function?". *South African Journal of Botany*. 2002. 68(2),244-244.

Botha,CEJ, Matsiliza,B, Nogemane,N, Buwa,L, Cross,RHM, Knoblauch,M and van Bel,AJE. "Is phloem loading in monocotyledonous leaves apolasmically - or symplasmically-mediated?". *South African Journal of Botany*. 2002. 68(2),245-245.

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

i. Local Conferences (Within South Africa)

Cross,RHM

Botha,CEJ, Cross,RHM and Lack,B. "A Role For Calcium In Regulating Plasmodesmal Function?". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Botha,CEJ, Matsiliza,B, Nogemane,N, Buwa,L, Cross,RHM, Knoblauch,M and van Bel,AJE. "Is phloem loading in monocotyledonous leaves apolasmically- or symplasmically-mediated?". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Cross,RHM and Gardiner,AJ. "Multi-functional characteristics of mechano- and chemoreceptors in insect sensilla". *15th International Congress on Electron Microscopy*. ICC Durban, Durban. September 2002. 2. 641-642.

DISTINGUISHED VISITORS

Mr M Hepburn. JEOL (UK) Ltd, Welwyn Garden City, UK. Equipment developments. September 2002.

Professor J Strus. University of Ljubljana, Ljubljana, Slovenia. Discuss common interests. August 2002.

SUBSIDY UNITS CLAIMED

| EMUNIT | UNITS | IN PRESS | NON SAPSE |
|------------------|-------|----------|-----------|
| TOTAL FOR EMUNIT | 0.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

ENGLISH

The highlight of the year was the visit of Nobel Laureate Irish poet Seamus Heaney, who gave a lecture, a graduation address and a poetry reading. A person of great warmth and presence, he brought poetry alive in particular new ways for the present generation of students. In his life and work he is one of the outstanding examples of the reconciling power of literature and its ability to triumph over a conflicted national history: a powerful voice of sanity for South Africa at the present time. Also most worthy of note are the contributions of Dr Dan Wylie - not only in his autobiographical account of the Rhodesian War - but in his own intellectual commentary and reflections on that conflict. In both cases - Heaney and Wylie - one has people responding creatively from the fullness of their humanity to the present condition of the world and of our subcontinent.

PROFESSOR P. WALTERS
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Hall,R

Hall,R. "Mishearing, Misreading and the Language of Listening". In: Stovel,B and Winlos Gregg, L(eds) *The Talk in Jane Austen*. The University of Alberta Press. Alberta, Canada. 2002. 141-148.

Wylie,D

Wylie,D. *Dead Leaves: Two Years in the Rhodesian War*. University of Natal. Pietermaritzburg. 2002. 193 pp.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Cornwell,G

Cornwell,G. "Realism, Rape, and J.M. Coetzee's *Disgrace*". *Critique: Studies in Contemporary Fiction*. 2002. 43(4),307-322.

Cornwell,G. "And a Threefold Cord: La Guma's Neglected Masterpiece?". *Literator*. 2002. 23(3),63-80.

Cornwell,G. "Ruled by His Dark Side (Review of Arthur Nortje)". *Scrutiny2: Issues in English Studies In Southern Africa*. 2002. 7(2),78-80.

Gouws,J

Gouws,J. "Richard Proudfoot, Shakespeare: Text, Stage and Canon". *Shakespeare in Southern Africa*. 2002.

Jacobson,WS

Jacobson,WS. "Hamlet in His Modern World Guises(Review of Alexander Welsh)". *Dickens Quarterly*. 2002. (In Press).

Jacobson,WS. "The Merchant of Venice: Shakespeare at Stratford Series (Review of Miriam Gilbert)". *Shakespeare in Southern Africa*. 2002. (In Press).

Wylie,D

Wylie,D. "The Anthropomorphic Ethic: Fiction and the Animal Mind in Virginia Woolf's *Flush* and Barbara Gowdy's *The White Bone*". *Interdisciplinary Studies in Literature and Environment*. 2002. 9(2),115-132.

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

i. Local Conferences (Within South Africa)

Wylie,D

Wylie,D. "Dead Leaves: Reflections on Writing a Memoir of the Rhodesian Conflict". *Telling Wounds: Narrative, Trauma & Memory; Working through the SA Armed Conflicts of the 20th Century*. University of Cape Town, Cape Town. July 2002. 190-194.

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

ii. International Conferences (Outside South Africa)

Wylie, D

Wylie, D. "The feather stood quivering: Oral tradition, metaphor and historiographical method: a case study in the history of Shaka". *International Society for Oral Literatures in Africa*. Chambery. France. July 2002.

DISTINGUISHED VISITORS

Dr S Heaney. Harvard, USA. Honorary D Litt from Rhodes University. August 2002.

Dr BJ Komins. Center for Humanities, Oregon State University, USA. Lecture Series. Jul - Aug 2002.

SUBSIDY UNITS CLAIMED

| ENGLISH | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Cornwell, G | | | |
| <i>Cornwell, G. "Realism, Rape, and J.M. Coetzee's Disgrace". Critique: Studies in Contemporary Fiction. 2002. 43(4), 307-322.</i> | 1.00 | | |
| <i>Cornwell, G. "And a Threefold Cord: La Guma's Neglected Masterpiece?". Literator. 2002. 23(3), 63-80.</i> | 1.00 | | |
| <i>Cornwell, G. "Ruled by His Dark Side (Review of Arthur Nortje)". Scrutiny2: Issues in English Studies In Southern Africa. 2002. 7(2), 78-80.</i> | 1.00 | | |
| Gouws, J | | | |
| <i>Gouws, J. "Richard Proudfoot, Shakespeare: Text, Stage and Canon". Shakespeare in Southern Africa. 2002.</i> | 1.00 | | |
| Jacobson, WS | | | |
| <i>Jacobson, WS. "Hamlet in His Modern World Guises (Review of Alexander Welsh)". Dickens Quarterly. 2002. (In Press).</i> | 1.00 | Y | |
| <i>Jacobson, WS. "The Merchant of Venice: Shakespeare at Stratford Series (Review of Miriam Gilbert)". Shakespeare in Southern Africa. 2002. (In Press).</i> | 1.00 | Y | |
| Wylie, D | | | |
| <i>Wylie, D. "The Anthropomorphic Ethic: Fiction and the Animal Mind in Virginia Woolf's <i>Flush</i> and Barbara Gowdy's <i>The White Bone</i>". Interdisciplinary Studies in Literature and Environment. 2002. 9(2), 115-132.</i> | 1.00 | | Y |
| TOTAL FOR ENGLISH | 7.00 | | |
| TOTAL IN PRESS | 2.00 | | |
| TOTAL NON SAPSE | 1.00 | | |

ENGLISH LANGUAGE AND LINGUISTICS

During the year, the Department maintained its high profile in terms of research outputs. In total 5 members of staff published 3 chapters in books and 13 articles in peer reviewed journals, as well as attending 4 academic conferences (1 international). 8 of these publications were authored or co-authored by Professor Vivian de Klerk, most of them reporting on her research into language shift in the country, and on her more recent corpus linguistics project on Xhosa English. Professor de Klerk applied for a rating from the NRF (a new system for Humanities), and has been rated as a B2 researcher for the next 5 years. She has also been awarded an NRF grant of R307,000 for her corpus-based project on Xhosa English, and much of this funding is earmarked for post-graduate students, which promises to enhance the department's post-grad numbers. Progress towards the completion of this corpus-based study is well on track, and the corpus currently stands at half a million transcribed words. Checking and mark-up of the data, as well as analysis of the corpus in order to ascertain the linguistic characteristics of this important South African English variety are well under way. During the year Professor de Klerk was invited by the NRF to serve on the rating panel for Languages and Linguistics, and while it took a great deal of her time and energy, she was glad of the opportunity to familiarise herself with the system. She will continue serving on this panel for the next three years.

The addition of Professor Ralph Adendorff to the staff midway through the year has brought new dimensions to the research profile of the department, with his involvement in ethnographic linguistic research. The Department continues to arrange fortnightly research seminars, to which staff of cognate departments are also invited. These seminars offer staff a valuable opportunity to obtain critical yet supportive feedback from colleagues, and has proved to be an important incentive to encourage greater research outputs.

PROFESSOR V. DE KLERK
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Adendorff, RD

Adendorff, RD. "Fanakalo A pidgin in South Africa". In: Mesthrie, R(eds) *Language in South Africa*. Cambridge University Press. Cambridge. 2002. 179-198.

de Klerk, VA

de Klerk, VA. "Xhosa as a home appliance. A case study of language shift in Grahamstown". In: Wei, LI and Dewaele, J-M(eds) *Opportunities and Challenges of Bilingualism: Contributions to the Sociology of Language*. Grahamstown. 2002. 221-248.

de Klerk, VA and Gough, D. "Black South African English". In: Mesthrie, R(eds) *Language in Social History*. Cambridge University Press. Cambridge. Second Edition. 2002. 356-378.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Adendorff, RD

Adendorff, RD. "An introduction to language and accountability towards a socially sensitive applied linguistics". *Southern African Linguistics and Applied Language Studies*. 2001. 19(3 and 4), 3-5.

Adendorff, RD and Parkinson, J. "Do beliefs about science limit access to the science discourse community: The evidence of laboratory sessions". *Southern African Linguistics and Applied Language Studies*. 2001. 19(3 and 4), 133-147.

Adendorff, RD and Weideman, A. "Tribute to John Keith Chick". *Southern African Linguistics and Applied Language Studies*. 2001. 19(3 and 4), 6-10.

de Klerk, VA

de Klerk, VA. "Starting with Xhosa English towards a spoken corpus". *International Journal of Corpus Linguistics*. 2002. 7(1), 21-42.

de Klerk, VA. "Changing names in the new South Africa a diachronic survey". *Names*. 2002. 50(3), 201-221.

de Klerk, VA. "Language issues in our schools whose voice counts Part 1: The parents speak". *Perspectives in Education*. 2002. 20(1), 1-14.

de Klerk, VA. "Language issues in our schools whose voice counts Part 2: The teachers speak". *Perspectives in Education*. 2002. 20(1), 15-27.

de Klerk, VA. "Towards a corpus of Black South African English". *Southern African Linguistics and Applied Language Studies*. 2002. 20(1),25-35.

de Klerk, VA and Barkhuizen, G. "The role of Xhosa in a South African prison: "The situation is leading you"". *Journal of Multilingual and Multicultural Development*. 2002. 23(3),160-174.

de Klerk, VA and Barkhuizen, G. "English in the prison services a case of breaking the law". *World Englishes Special Issue on English in South Africa*. 2002. 21(1),9-22.

de Klerk, VA and Thompson, S. "Dear Reader A Textual Analysis of Magazine Editorials". *South African Journal of African Languages*. 2002. 20(1),105-118.

Kilpert, D

Kilpert, D. "Patterns of value Systemic Functional Grammar and evaluation in texts". *Journal of The South African Association for Language Teaching*. 2002. 36(3 and 4),305-329.

Van der Spuy, A

Van der Spuy, A. "In defence of the Zulu adjective". *South African Journal of African Languages*. 2001. 21(2),148-162.

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

i. Local Conferences (Within South Africa)

Bekker, I

Bekker, I. "Understanding teaching and learning in relation to language and society". *Interactive Seminar presented by Ruqaiya Hasan*. Rhodes University, Grahamstown. July 2002.

de Klerk, VA

de Klerk, VA and Barkhuizen, G. "English in the prison services a case of breaking the law". *Annual joint conference of the Linguistic Society of SA and the SA Applied Linguistics Association*. Pietermaritzburg. July 2002.

Hunt, SA

Hunt, SA. "The beginning of female friendship the beginning of a study". *22nd Conference of the Southern African Applied Linguistics Association*. Pietermaritzburg. July 2002.

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

ii. International Conferences (Outside South Africa)

de Klerk, VA

de Klerk, VA. "On building a corpus of spoken Xhosa English in South Africa". *23rd International Conference on English Language research on computerised corpora of modern and medieval English*. Gothenburg. Sweden. May 2002.

SUBSIDY UNITS CLAIMED

| ENGLISH LANGUAGE AND LINGUISTICS | UNITS | IN PRESS | NON SAPSE |
|---|-------------|----------|-----------|
| de Klerk, VA | | | |
| de Klerk, VA. "Changing names in the new South Africa a diachronic survey". <i>Names</i> . 2002. 50(3),201-221. | 1.00 | | |
| de Klerk, VA and Barkhuizen, G. "The role of Xhosa in a South African prison The situation is leading you". <i>Journal of Multilingual and Multicultural Development</i> . 2002. 23(3),160-174. | 0.50 | | |
| Kilpert, D | | | |
| Kilpert, D. "Patterns of value Systemic Functional Grammar and evaluation in texts". <i>Journal of The South African Association for Language Teaching</i> . 2002. 36(3 and 4),305-329. | 1.00 | | |
| TOTAL FOR ENGLISH LANGUAGE AND LINGUISTICS | 2.50 | | |

ENVIRONMENTAL SCIENCE

The two permanent staff members and one Research Associate authored, or co-authored, 12 peer-reviewed scientific papers, six book chapters and presented their research results at three academic conferences in 2002.

The Department played a prominent role in the design of international Millennium Ecosystem Assessment project, and staff members served on numerous national and international advisory committees in forestry, conservation and environmental affairs.

PROFESSOR C. FABRICIUS
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Fabricius,C

Fabricius,C. "Conservation & communities: New challenges". In: Palmer,R, Fay,D and Timmermans, H(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 256-271.

Fabricius,C and *de Wet,CJ*. "The influence of forced removal and land restitution on conservation in South Africa". In: Chatty,D and Colchester, M(eds) Conservation and mobile indigenous peoples. Berghan Books. Oxford. First Edition. 2002. (B2), 149-165.

Palmer,RCG, *Fay,D*, *Timmermans,H* and *Fabricius,C*. "A Development vision for Dwesa-Cwebe". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 270-303.

Palmer,RCG, *Fay,D*, *Timmermans,H* and *Fabricius,C*. "A Development vision for Dwesa-Cwebe". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 272-305.

Shackleton,CM

Dovie,DB, *Shackleton,CM* and *Witkowski,ETF*. "Assessing natural resources: Implications for sustainable management and livelihoods". In: Benjaminsen,A, Cousins,B and Thompson, L(eds) Contested resources: Challenges to the governance of natural resources in South Africa. PLAAS. Cape Town. 2002. 336-348.

Shackleton,CM and Shackleton,SE

Shackleton,CM, *Hassan,R*, *de Wit,M*, *Shackleton,SE* and *Beukmann,R*. "Natural woodlands and forests: Contribution to national income and economic welfare". In: Hassan, R(eds) Accounting for stock and flow values of woody land resources: Methods and results from South Africa. CEEPA, University of Pretoria. Pretoria. 2002. 53-72.

Shackleton,CM, *Shackleton,SE*, *Netshiluvhi,TR* and *Geach,BA*. "Direct-use value of woodland resources in three rural settlements, South Africa". In: Campbell,BM and Luckert, MK(eds) Uncovering the hidden harvest: Valuation methods for woodland and forest resources. Earthscan. London. 2002. 5-7.

Shackleton,CM, *Shackleton,SE*, *Netshiluvhi,TR* and *Mathabela,FR*. "Direct-use values of goods and services associated with livestock in the Bushbuckridge lowveld, South Africa". In: Campbell,BM and Luckert, MK(eds) Uncovering the hidden harvest: Valuation methods for woodland and forest resources. Earthscan. London. 2002. 26-28.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Fabricius,C

Barrow,E and *Fabricius,C*. "Do rural people really benefit from protected areas - rhetoric or reality?". *Parks*. 2002. 12,67-79.

Fabricius,C, *Palmer,AR* and *Burger,M*. "Landscape diversity in a conservation area and commercial and communal rangeland in Xeric Succulent Thicket, South Africa". *Landscape Ecology*. 2002. 17,531-537.

Shackleton,CM

Shackleton,CM. "Growth and fruit production of *Sclerocarya birrea* in the South African lowveld". *Agroforestry Systems*. 2002. 55,175-180.

Shackleton,CM. "Nearest-neighbour analysis and the prevalence of woody plant competition in South African savannas". *Plant Ecology*. 2002. 158,65-76.

Botha,J, Witkowski,ETF and Shackleton,CM. "A comparison of anthropogenic and elephant disturbance on *Acacia xanthophloea* (fever tree) populations in the lowveld, South Africa". *Koedoe*. 2002. 45,9-18.

Dovie,DB, Shackleton,CM and Witkowski,ETF. "Direct-use values of woodland resources consumed and traded in a South African village". *International Journal of Sustainable Development and World Ecology*. 2002. 9,269-283.

Williams,A and Shackleton,CM. "Fuelwood use in South Africa: Where to in the 21st century?". *Southern African Forestry Journal*. 2002. 196,1-7.

Shackleton,CM and Shackleton,SE

Shackleton,CM, Shackleton,SE, Ntshudu,M and Ntzebeza,J. "The role and value of savanna non-timber forest products to rural households in the Kat River valley, South Africa". *Journal of Tropical Forest Products*. 2002. 8,45-65.

Shackleton,SE

Wynberg,R, Cribbins,J, Leakey,R, Mander,M, Shackleton,SE and Sullivan,C. "Knowledge on *Sclerocarya birrea* subsp. *caffra* with emphasis on its importance as a non-timber forest product in South and Southern Africa: A summary. Part 2: Commercial use, tenure and policy, domestication, intellectual property rights and benefit-sharing". *Southern African Forestry Journal*. 2002. 196,67-77.

Shackleton,SE and Shackleton,CM

Shackleton,SE, Shackleton,CM, Cunningham,AB, Lombard,C, Sullivan,CA and Netshiluvhi,TR. "Knowledge on *Sclerocarya birrea* subsp. *caffra* with emphasis on its importance as a non-timber forest product in South and southern Africa: A summary. Part 1: Taxonomy, ecology and role in rural livelihoods". *Southern African Forestry Journal*. 2002. 194,27-42.

Shackleton,SE, Shackleton,CM, Netshiluvhi,TR, Geach,BS, Balance,A and Fairbanks,DHK. "Use patterns and value of savanna resources from three rural villages in South Africa". *Economic Botany*. 2002. 56,130-146.

OTHER PUBLICATIONS

Shackleton,SE

Shackleton,SE, Campbell,BM, Wollenberg,E and Edmunds,D. "Devolution and community-based natural resource management: Creating space for local people to participate and benefit?". *Odi Natural Resources Perspectives*. 2002. 76, 1-4.

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

i. Local Conferences (Within South Africa)

Fox,H

Fox,H. "A cultural valuation of Tidbury's landscape". *Annual Conference of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Scheepers,K

Scheepers,K. "Why should a clever community conserve? Lessons from herbivore ecology and resources economics for community-based natural resource management". *Arid Zone Forum*. Middleburg. August 2002.

Shackleton,CM

Shackleton,CM. "Use and selection of *Sclerocarya birrea* (marula) in the Bushbuckridge lowveld, South Africa". *ICRAF regional agroforestry conference: Agroforestry impacts on livelihoods in southern Africa - putting research into practice*. Adventura, Warmbaths. May 2002.

SUBSIDY UNITS CLAIMED

| ENVIRONMENTAL SCIENCE | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Fabricius,C | | | |
| Barrow,E and <i>Fabricius,C</i> . "Do rural people really benefit from protected areas - rhetoric or reality?". <i>Parks</i> . 2002. 12,67-79. | 0.50 | | Y |
| <i>Fabricius,C</i> , Palmer,AR and Burger,M. "Landscape diversity in a conservation area and commercial and communal rangeland in Xeric Succulent Thicket, South Africa". <i>Landscape Ecology</i> . 2002. 17,531-537. | 0.34 | | |
| Shackleton,CM | | | |
| <i>Shackleton,CM</i> . "Growth and fruit production of <i>Sclerocarya birrea</i> in the South African lowveld". <i>Agroforestry Systems</i> . 2002. 55,175-180. | 1.00 | | |
| <i>Shackleton,CM</i> . "Nearest-neighbour analysis and the prevalence of woody plant competition in South African savannas". <i>Plant Ecology</i> . 2002. 158,65-76. | 1.00 | | |
| Botha,J, Witkowski,ETF and <i>Shackleton,CM</i> . "A comparison of anthropogenic and elephant disturbance on <i>Acacia xanthophloea</i> (fever tree) populations in the lowveld, South Africa". <i>Koedoe</i> . 2002. 45,9-18. | 0.34 | | |
| Dovie,DB, <i>Shackleton,CM</i> and Witkowski,ETF. "Direct-use values of woodland resources consumed and traded in a South African village". <i>International Journal of Sustainable Development and World Ecology</i> . 2002. 9,269-283. | 0.34 | | |
| Williams,A and <i>Shackleton,CM</i> . "Fuerlwood use in South Africa: Where to in the 21st century?". <i>Southern African Forestry Journal</i> . 2002. 196,1-7. | 0.50 | | |
| Shackleton,CM and Shackleton,SE | | | |
| <i>Shackleton,CM</i> , <i>Shackleton,SE</i> , <i>Ntshudu,M</i> and <i>Ntzebeza,J</i> . "The role and value of savanna non-timber forest products to rural households in the Kat River valley, South Africa". <i>Journal of Tropical Forest Products</i> . 2002. 8,45-65. | 1.00 | | Y |
| Shackleton,SE | | | |
| Wynberg,R, Cribbins,J, Leakey,R, Mander,M, <i>Shackleton,SE</i> and Sullivan,C. "Knowledge on <i>Sclerocarya birrea</i> subsp. <i>caffra</i> with emphasis on its importance as a non-timber forest product in South and Southern Africa: A summary. Part 2: Commercial use, tensure and policy, domestication, intellectual property rights and benefit- sharing". <i>Southern African Forestry Journal</i> . 2002. 196,67-77. | 0.17 | | |
| Shackleton,SE and Shackleton,CM | | | |
| <i>Shackleton,SE</i> , <i>Shackleton,CM</i> , Cunningham,AB, Lombard,C, Sullivan,CA and Netshiluvhi,TR. "Knowledge on <i>Sclerocarya birrea</i> subsp. <i>caffra</i> with emphasis on its importance as a non-timber forest product in South and southern Africa: A summary. Part 1: Taxonomy, ecology and role in rural livelihoods". <i>Southern African Forestry Journal</i> . 2002. 194,27-42. | 0.34 | | |
| <i>Shackleton,SE</i> , <i>Shackleton,CM</i> , Netshiluvhi,TR, Geach,BS, Balance,A and Fairbanks,DHK. "Use patterns and value of savanna resources from three rural villages in South Africa". <i>Economic Botany</i> . 2002. 56,130-146. | 0.34 | | |
| TOTAL FOR ENVIRONMENTAL SCIENCE | 5.87 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 1.50 | | |

FINE ART

Two thousand and two saw the publication of Obie Oberholzer's latest book, *The Hotazel Years*, and Brenda Schmahmann's research article, 'Bodies in Agitation: Wilma Cruise's Recent Works'. Three staff held one-person exhibitions. Mark Hipper's show, 'Interim', was at the Joao Ferreira Gallery in Cape Town. Christine Dixie's 'Hide' was shown at the Millennium Gallery in Johannesburg, before proceeding to the Stellenbosch Art Gallery and the Albany History Museum in Grahamstown. Maureen de Jager's 'Resurfacing' was shown at the Rhodes Art Gallery. Gerhard Schoeman's paper on William Kentridge and Brenda Schmahmann's paper on Wilma Cruise were presented at the annual conference of the South African Association of Art Historians, which was held in Pretoria. Brenda Schmahmann presented a paper, 'Managing Mapula: Defining Markets for an Embroidery Project in Post-Apartheid South Africa' at the Biennial conference of the Textile Society of America, which was held at Smith College in Northampton MA in the United States. Dominic Thorburn participated in an academic exchange to the University of Linköping, at Nörrköping, in Sweden as a guest lecturer. Mark Hipper participated in a group exhibition at the Galerie Mönch in Berlin, Obie Oberholzer contributed to 'Dislocation', an exhibition of photographs in Portugal, and Dominic Thorburn provided work for the '10th Asian Biennale' in Dhaka, the 'Aids 2002' conference in Barcelona, the 'Rebellion and Uproar' exhibition at the Albany History Museum and the 'Global Matrix' exhibition of prints in the USA. There were presentations to staff and students in the department by Kosta Economou, Programme Director of 'Culture, Society, Media Production' at Linköping University in Sweden, as well as Carol Brown, Director of the Durban Art Gallery. Dominic Thorburn provided Vusi Khumalo with technical supervision for his 'Collagraph' exhibition in the printmaking section of the Fine Art Department, and Brenda Schmahmann published a book review of Sylvia Harrison's *Pop Art and the Origins of Post-Modernism*.

PROFESSOR B. SCHMAHMANN
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Oberholzer,O

Oberholzer,O. The Hotazel Years. 2002. 132 pp.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Schmahmann,BL

Schmahmann,BL. "Bodies in Agitation: Wilma Cruise's Recent Works". *De Arte*. 2002. 66,4-19.

Schmahmann,BL. "Book Review: Sylvia Harrison's Pop Art and the Origins of Post-Modernism". *De Arte*. 2002. 66,83-86.

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

i. Local Conferences (Within South Africa)

Schmahmann,BL

Schmahmann,BL. "Bodies in Agitation: Wilma Cruise's Recent Works". *Annual Conference of the South African Association of Art Historians*. University of Pretoria, Pretoria. July 2002.

Schoeman,G

Schoeman,G. "Felix in exile: William Kentridge's self-reflexive allegories of art and history". *Annual Conference of the South African Association of Art Historians*. University of Pretoria, Pretoria. July 2002.

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

ii. International Conferences (Outside South Africa)

Schmahmann,BL

Schmahmann,BL. "Managing Mapula: Defining Markets for an Embroidery Project in Post-Apartheid South Africa". *Biennial Conference of the Textile Society of America*. Smith College, Northampton. United States of America. September 2002.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

De Jager,M

De Jager,M. Artist. "Resurfacing". National Festival of the Arts. Main Fine Art Building, Rhodes. Grahamstown. 1 June - 1 July 2002.

Dixie,C

Dixie,C. Artist. "Hide". Millennium Gallery. Johannesburg. 8 February 2002.

Dixie,C. Artist. "Hide". University of Stellenbosch Art Gallery. Stellenbosch. 7 March - 1 April 2002.

Dixie,C. Artist. "Hide". National Festival of the Arts. Alumni Gallery, Albany History Museum. Grahamstown. 1 June - 31 August 2002.

Hipper,M

Hipper,M. Artist. "Interim". Joao Fereira Fine Art. Cape Town. 9 January - 2 February 2002.

Hipper,M. Artist. "Artists of the Gallery". Galerie Monch. Berlin, Germany. 1 July - 1 August 2002.

Oberholzer,O

Oberholzer,O. Photographer. "Dislocation". Porto, Portugal. 1 - 31 July 2002.

Thorburn,D

Thorburn,D. Technical supervision. "Collographs - works by Vusi Khumalo". National Festival of the Arts. Printmaking Building, Rhodes. Grahamstown. July 2002.

Thorburn,D. Artist. "Global Matrix - An International Print Exhibition". Purdue University Galleries., United States of America.

Thorburn,D. Artist. "Break the Silence!". Various., Switzerland, Botswana, Namibia, Scotland.

Thorburn,D. Artist. "Aids 2002". Barcelona Conference Exhibition. Barcelona, Spain.

Thorburn,D. Artist. 10th Asian Biennale. Silpaka Academy. Dhaka, Bangladesh.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Thorburn,D

Thorburn,D. University of Linkoping, Norrkoping, Sweden. Academic exchange visit. January 2002.

DISTINGUISHED VISITORS

Ms C Brown. Durban Art Gallery, Durban, South Africa. Deliver lecture and three tutorials to Art History & Visual Culture 1 students. August 2002.

Dr K Economu. Linkoping University, Sweden. Discussions regarding exchanges. February 2002.

SUBSIDY UNITS CLAIMED

| FINE ART | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Schmahmann,BL | | | |
| <i>Schmahmann,BL.</i> "Bodies in Agitation: Wilma Cruise's Recent Works". <i>De Arte.</i> 2002. 66,4-19. | 1.00 | | |
| <i>Schmahmann,BL.</i> "Book Review: Sylvia Harrison's Pop Art and the Origins of Post-Modernism". <i>De Arte.</i> 2002. 66,83-86. | 1.00 | | |
| TOTAL FOR FINE ART | 2.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

GEOGRAPHY

2002 was an active year for the department in research terms. In total eight journal articles were published and staff attended conference and research meetings in South Africa and abroad.

Specific highlights included:

Prof. C. Lewis: Prof. Lewis undertook research in mid-Wales to update the standard text book on the 'Glaciation of Wales' which he originally edited in 1970 and which is now being republished. In addition, he continued his research into peri-glacial processes at high altitudes in the Drakensberg and published findings with a former research student. Several of his earlier research papers were republished at the request of interested parties.

Prof. K. Rowntree: Prof. Rowntree initiated a new project with the Water Research Commission looking at the geomorphology of river catchments. In addition, she also started a new Land Care project funded by the Department of Agriculture and renewed her NRF research programme. Other highlights include undertaking joint fieldwork in Spain with Prof. Thornes from Kings College, London, and work with UNESCO in Paris evaluating the International Hydrological Project.

Ms. G. McGregor: Ms McGregor has initiated a major research investigation in the Baviaanskloof, in collaboration with the Institute of Water Research, which will form a key component of her PhD.

Prof. R. Fox: Prof. Fox made a significant contribution to the development of the discipline through his role as President of the Society of South African Geographers and his participation in the organizing committee of the International Geographic Union conference, which was held in Durban in 2002.

Prof. E. Nel: Prof. E.Nel continued his research into urban and rural economic development. Highlights of the year include the hosting of a conference on development held in Welkom, collaboration with government, local authorities and the newly established South African Cities Network and a German aid agency.

PROFESSOR E. NEL
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Lewis,CA

Lewis,CA. "Radiocarbon dates and the late Quaternary palaeogeography of the province of the Eastern Cape, South Africa". *Quaternary International*. 2002. 89(1),59-69.

Lewis,CA and *Kuch,KM*. "Terracettes and active gelifluction terraces in the Drakensberg of the Province of the eastern Cape, South Africa: A process study". *South African Geographical Journal*. 2002. 84,214-225.

Nel,EL

Nel,EL. "Decline and Response in South Africa's Free State goldfields". *International Development Planning Review*. 2002. 24(3),249-269.

Binns,JA and *Nel,EL*. "Tourism as a local development strategy in South Africa". *Geographical Journal*. 2002. 168(3),235-247.

Binns,JA and *Nel,EL*. "Devolving Development: Integrated development planning and development local government in post-apartheid South Africa". *Regional Studies*. 2002. 36(8),921-932.

Nel,EL and *Binns,JA*. "Supporting Local Economic Development in Post-Apartheid South Africa". *Local Economy*. 2002. 17(1),8-24.

Nel,EL and *Binns,JA*. "Place Marketing, Tourism Promotion and Local Economic Development in post-apartheid South Africa: The case of Still Bay". *Urban Affairs Review*. 2002. 38(2),184-208.

Nel,EL and *McQuaid,R*. "Critical Reflections on the Evolution of Experience of Local Economic Development in Stutterheim, South Africa and the Role of Social Capital". *Economic Development Quarterly*. 2002. 16(1),60-74.

OTHER PUBLICATIONS

Fox,RC and Rowntree,KM

Fox,RC and Rowntree,KM. "Population Densities and Agro-Ecological Potential: A Critique of Regional Scale Analysis from Kenya & South Africa". Thompson, L(eds) *Contested Resources: Challenges to Governance of Natural Resources in Southern Africa.* University of Western Cape. Cape Town. 2002. 304-313.

Rowntree,KM

Rowntree,KM, McMaster,A and Duma,M. "Building spatial concepts for community based catchment management: Planning for Landcare in the Kat River Valley". *Contested Resources: Challenges to Governance of Natural Resources in Southern Africa.* University of Western Cape. Cape Town. 2002. 371-378.

Rowntree,KM and Wadeson,R. "Mapping hydraulic habitat for ecological flows assessments". *Environment Flows for River Systems incorporating the Fourth International Ecohydraulic Symposium.* Cape Town. 2002.

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

i. Local Conferences (Within South Africa)

Nel,EL

Nel,EL. "Local Economic Development: An Assessment of its current status in Southern Africa". *The Region in the New Economy: An International Perspective on Regional Dynamics in the 21st Century.* Port Elizabeth. January 2000. 351-370.

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

ii. International Conferences (Outside South Africa)

Nel,EL

Nel,EL. "Global Change and Community Self-reliance Strategies in Southern Africa". *Sustainable Development in Geographic Space.* Alberquerque. USA. July 1999. 159-172.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Lewis,CA

Lewis,CA. Leader. "*Coasts and Mountains, Cultures and Conquests*". Pre Conference Tour - International Geographical Union. Eastern Cape. 24 July - 3 August 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Lewis,CA

Lewis,CA. University of Limerick, Ireland, Ireland. Research Lectures & Seminars. 1 October - 1 December 2002.

Lewis,CA. University of Wales, UK. Mapping of Quaternary landforms & deposits in central Wales. 1 October - 1 December 2002.

Rowntree,KM

Rowntree,KM. Instituto Agronómico Mediterráneo de Zaragoza, Zaragoza, Spain. Ecology & Hydrology of Mediterranean Rivers & Tools for their management. 8 - 19 April 2002.

Rowntree,KM. University of Newcastle, Newcastle, UK. Catchment Management Processes in the UK and South Africa. 13 - 15 June 2002.

DISTINGUISHED VISITORS

Dr P Assmo. University of Uddevalla, Sweden, Research. September 2002.

Dr JA Binns. University of Sussex, Sussex, UK. Research. July 2002.

Professor J Dietz. University of Amsterdam, The Netherlands. Research. December 2002.

SUBSIDY UNITS CLAIMED

| GEOGRAPHY | UNITS | IN PRESS | NON SAPSE |
|---|-------------|----------|-----------|
| Lewis,CA | | | |
| Lewis,CA. "Radiocarbon dates and the late Quaternary palaeogeography of the province of the Eastern Cape, South Africa". <i>Quaternary International</i> . 2002. 89(1),59-69. | 1.00 | | |
| Lewis,CA and Kuch,KM. "Terracettes and active gelifluction terraces in the Drakensberg of the Province of the eastern Cape, South Africa: A process study". <i>South African Geographical Journal</i> . 2002. 84,214-225. | 0.50 | | |
| Nel,EL | | | |
| Nel,EL. "Decline and Response in South Africa's Free State goldfields". <i>International Development Planning Review</i> . 2002. 24(3),249-269. | 1.00 | | |
| Binns,JA and Nel,EL. "Tourism as a local development strategy in South Africa". <i>Geographical Journal</i> . 2002. 168(3),235-247. | 0.50 | | |
| Binns,JA and Nel,EL. "Devolving Development: Integrated development planning and development local government in post-apartheid South Africa". <i>Regional Studies</i> . 2002. 36(8),921-932. | 0.50 | | |
| Nel,EL and Binns,JA. "Supporting Local Economic Development in Post-Apartheid South Africa". <i>Local Economy</i> . 2002. 17(1),8-24. | 0.50 | | Y |
| Nel,EL and Binns,JA. "Place Marketing, Tourism Promotion and Local Economic Development in post-apartheid South Africa: The case of Still Bay". <i>Urban Affairs Review</i> . 2002. 38(2),184-208. | 0.50 | | |
| Nel,EL and McQuaid,R. "Critical Reflections on the Evolution of Experience of Local Economic Development in Stutterheim, South Africa and the Role of Social Capital". <i>Economic Development Quarterly</i> . 2002. 16(1),60-74. | 0.50 | | |
| TOTAL FOR GEOGRAPHY | 5.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.50 | | |

GEOLOGY

The Geology Department's research output for 2002 consists of 10 full papers in refereed journals of international stature, 4 conference presentations and a number of other informal outputs. The research articles covered diverse fields in stratigraphy, igneous petrology, age dating, economic geology, and sedimentology. The small number of conference papers reflects the expensive nature of conference attendance. It is also important to note that Profs Moore and Marsh have developed research expertise in specialist fields that places them in demand to present field courses and workshops, a trend that has continued for a number of years. Research also draws numerous international and local visitors to the department and 29 such visitors came to Grahamstown to interact with the department.

PROFESSOR J. MARSH
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Eales,HV

Crocker,IT, *Eales,HV* and Ehlers,DL. The fluorite, cassiterite and sulphide deposits associated with the acid rocks of the Bushveld Complex. Council for Geoscience. Pretoria. 2001. 151 pp.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Bordy,EM

Bordy,EM and Catuneanu,O. "Sedimentology of the upper Karoo fluvial strata in the Tuli Basin, South Africa". *Journal of African Earth Sciences*. 2001. 33(3-4),605-629.

Bordy,EM and Catuneanu,O. "Sedimentology of the lower Karoo fluvial strata in the Tuli Basin, South Africa". *Journal of African Earth Sciences*. 2002. 35(4),503-521.

Bordy,EM and Catuneanu,O. "Sedimentology of Beaufort-Molteno Karoo fluvial strata in the Tuli Basin, South Africa". *South African Journal of Geology*. 2002. 105(1),51-66.

Eales,HV

Eales,HV. "Caveats in defining the magmas parental to the mafic rocks of the Bushveld Complex, and the manner of their emplacement: Review and commentary". *Mineralogical Magazine*. 2002. 66,815-832.

Scoon,RN and *Eales,HV*. "Unusual Fe-Ti-Cr spinels from discordant bodies of iron-rich ultramafic pegmatite at the Amandelbult Platinum Mine, northwestern Bushveld Complex". *Mineralogical Magazine*. 2002. 66,857-880.

Ferré,EC and Marsh,JS

Ferré,EC, *Bordarier,C* and *Marsh,JS*. "Magma flow inferred from AMS fabrics in a layered mafic sill, Insizwa, South Africa". *Tectonophysics*. 2002. 354,1-23.

Jacob,RE and Moore,JM

Jacob,RE, *Moore,JM* and *Armstrong,RA*. "Zircon and titanite age determinations from igneous rocks in the Karibib District, Namibia". *Communications of the Geological Survey of Namibia*. 2002. 12,157-166.

Marsh,JS

Marsh,JS. "The geophysical mapping of Mesozoic dyke swarms in southern Africa and their origin in the disruption of Gondwana [J. Afr. Earth Sci. 30 (2000) 499-513]". *Journal of African Earth Sciences*. 2002. 35,525-527.

Maier,WD, *Marsh,JS*, *Barnes,SJ* and *Dodd,DC*. "The distribution of Platinum Group Elements in the Insizwa Lobe, Mount Ayliff Complex, South Africa: Implications for Ni-Cu-PGE sulfide exploration in the Karoo Igneous Province". *Economic Geology*. 2002. 97,1293-1306.

Moore,JM

Moore,JM, *Tsikos,H* and *Polteau,S*. "Deconstructing the Transvaal Supergroup, South Africa: Implications for Palaeoproterozoic palaeoclimate models". *Journal of African Earth Sciences*. 2001. 33,437-444.

Tsikos,H, *Moore,JM* and *Harris,C*. "Geochemistry of the Palaeoproterozoic Mooidraai Formation: Fe-rich limestone as end-member of iron-formation deposition, Transvaal Supergroup, South Africa". *Journal of African Earth Sciences*. 2001. 32,19-27.

OTHER PUBLICATIONS

Moore, JM

Moore, JM. "A review of the Geological Setting of the Rosh Pinah and Skorpion base metal deposits". WSI Geology of SEDEX zinc-lead mineralisation: concept and reality, Rosh Pinah, Namibia. 11th Quadrennial IAGOD Symposium and Geocong. Society of Economic Geologists. Littleton, USA. 2002. 1-15.

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

i. Local Conferences (Within South Africa)

Marsh, JS

Holzförster, F, Holzförster, HW and Marsh, JS. "New views on the Jurassic Clarens Formation: Volcano-sedimentary interaction". *16th International Sedimentological Conference*. Rand Afrikaans University, Johannesburg. July 2002. 2. 159.

Moore, JM

Polteau, S and Moore, JM. "Genetic relationships between the glacial Makganyene Formation and the Kalahari Manganese Field in the Transvaal Supergroup, Griqualand West Basin, South Africa". *16th International Sedimentological Conference*. Rand Afrikaans University, Johannesburg. July 2002. 297.

Roberts, MP

Poole, M, Jonas, JL, Poole, AWV and Roberts, MP. "Progress towards copper cable identification". *SATNAC 2002*. Champagne Sports Resort, Drakensberg. September 2002. 407-414.

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

ii. International Conferences (Outside South Africa)

Jacob, RE, Viljoen, WG, Roberts, MP and Reid, ST

Ameglio, L, Jacob, RE, Viljoen, WG, Lorin, S, Roberts, MP and Reid, ST. "3-D dynamics of a calc-alkaline intrusion outlined by geophysical, geological and remote-sensing data (Etusis-Neikhoes Pluton, Namibia)". *11th Quadrennial IAGOD Symposium and Geocongress 2002*. Windhoek. Namibia. July 2002. 18.

Viljoen, WG

Viljoen, WG. "Copper-gold mineralisation in the Onguati area, Karibib District, Southern Central Zone, Namibia". *11th Quadrennial IAGOD Symposium and Geocongress 2002*. Windhoek. Namibia. July 2002. 44.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Marsh, JS

Planke, S, Marsh, JS, Chevallier, S, Jamtveit, B and Svensen, H. Presenter. "*Petroleum Implications of Sill Intrusions: Karoo Field Guide 2002*". Petroleum Implications of Sill Intrusions: Karoo Field Guide 2002. Karoo basin. 15 - 20 April 2002.

Moore, JM

Moore, JM. Workshop Presenter. "*Geological and Geographical Features in the Cedarberg Region*". Workshop on Rock Art. Khoisan Calabash. Citrusdal. 16 - 17 March 2002.

Moore, JM. Short Course Presenter. "*Using the African regolith in mineral exploration*". Modern Techniques for Effective Exploration. University of Zimbabwe. Harare, Zimbabwe. 2 - 5 April 2002.

Moore, JM and Large, D. Field Workshop Leader. "*Geology of SEDEX zinc-lead mineralisation: Concept and reality, Rosh Pinah, Namibia*". 11th Quadrennial IAGOD Symposium and Geocongress 2002. Rosh Pinah, Namibia. 16 - 21 July 2002.

DISTINGUISHED VISITORS

Dr L Ameglio. University of Pretoria, Pretoria, Geology 302 Geophysics course. October 2002.

Dr PWK Booth. University of Port Elizabeth, Port Elizabeth, Lecture to staff and students. October 2002.

Dr M Bordy. Wits University, Johannesburg, Geology 2002 Sedimentology course. AUG/Sept 2002.

Dr S Büttner. Technische Uni. Berlin, Berlin, Germany. Field trip to Namaqualand. June 2002.

Dr S Chevallier. Council for Geoscience, Pretoria, Field Course. April 2002.

Mr T Chevallier. Advanced camera and lighting training. 2002.

Dr B Corner. Corner Geophysics, Swakopmund, Namibia. MSC Short Course. May 2002.

Professor J Gurney. University of Cape Town, Cape Town, MSC Short Course. February 2002.

Ms C Hannon. GEMCOM, Johannesburg, MSC Short Course. September 2002.

Dr J Harmer. Council for Geoscience, Pretoria, MSC Short Course. August 2002.

Mr R Harris. Geodatec, Johannesburg RSA, MSC Short Course. March 2002.

Dr F Holzförster. University of Würzburg, Würzburg, Germany. Honours Sedimentology course. March 2002.

Professor B Houghton. University of Hawaii, Honolulu, Hawaii. Discussions. June 2002.

Dr H Jelsma. University of Cape Town, Cape Town, Honours Structural Geology/Tectonics course. August 2002.

Dr R Lipson. Gold Fields Exploration Incorporated, Englewood USA, USA. Discussions. October 2002.

Dr W Maier. University of Pretoria, Pretoria, MSC Short Course. February 2002.

Mr CA Mallinson. Geodatec, Grahamstown, MSC Short course. September 2002.

Dr S Master. Wits University, Johannesburg, MSc Short Course. April 2002.

Mr ML Page. Exploration Services International, Discussions. October 2002.

Dr S Planke. University of Oslo, Oslo, Norway. Field Visit. April 2002.

Dr J Robey. De Beers, Kimberley, MSc Short course. February 2002.

Professor A Rozendaal. University of Stellenbosch, Stellenbosch, External Examining. March 2002.

Professor I Skilling. University of Pittsburgh, Pittsburgh, USA. Research. June 2002.

Professor G Stevens. University of Stellenbosch, Stellenbosch, External Examining. November 2002.

Dr H Svensen. University of Oslo, Oslo, Norway. Field Course. April 2002.

Dr R Uken. University of Natal, Durban, Geology 301 Structural Geology course. May 2002.

Dr van Zijl. Council for Geoscience/University of Stellenbosch, Stellenbosch, Research. October 2002.

Dr SG Walters. Geodiscovery Group, Brisbane, Australia. Lectures to staff and students. June 2002.

Professor M Watkeys. University of Natal, Durban, MSC Short Course. November 2002.

Professor J White. University of Otago, Dunedin, New Zealand. Research. June 2002.

SUBSIDY UNITS CLAIMED

| GEOLOGY | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Bordy,EM | | | |
| <i>Bordy,EM</i> and <i>Catuneanu,O</i> . "Sedimentology of the upper Karoo fluvial strata in the Tuli Basin, South Africa". <i>Journal of African Earth Sciences</i> . 2001. 33(3-4),605-629. | 0.50 | | |
| <i>Bordy,EM</i> and <i>Catuneanu,O</i> . "Sedimentology of the lower Karoo fluvial strata in the Tuli Basin, South Africa". <i>Journal of African Earth Sciences</i> . 2002. 35(4),503-521. | 0.50 | | |
| <i>Bordy,EM</i> and <i>Catuneanu,O</i> . "Sedimentology of Beaufort-Molteno Karoo fluvial strata in the Tuli Basin, South Africa". <i>South African Journal of Geology</i> . 2002. 105(1),51-66. | 0.50 | | |
| Eales,HV | | | |
| <i>Eales,HV</i> . "Caveats in defining the magmas parental to the mafic rocks of the Bushveld Complex, and the manner of their emplacement: Review and commentary". <i>Mineralogical Magazine</i> . 2002. 66,815-832. | 1.00 | | |
| <i>Scoon,RN</i> and <i>Eales,HV</i> . "Unusual Fe-Ti-Cr spinels from discordant bodies of iron-rich ultramafic pegmatite at the Amandelbult Platinum Mine, northwestern Bushveld Complex". <i>Mineralogical Magazine</i> . 2002. 66,857-880. | 0.50 | | |
| Ferré,EC and Marsh,JS | | | |
| <i>Ferré,EC</i> , <i>Bordarier,C</i> and <i>Marsh,JS</i> . "Magma flow inferred from AMS fabrics in a layered mafic sill, Insizwa, South Africa". <i>Tectonophysics</i> . 2002. 354,1-23. | 1.00 | | |
| Jacob,RE and Moore,JM | | | |
| <i>Jacob,RE</i> , <i>Moore,JM</i> and <i>Armstrong,RA</i> . "Zircon and titanite age determinations from igneous rocks in the Karibib District, Namibia". <i>Communications of the Geological Survey of Namibia</i> . 2002. 12,157-166. | 0.67 | | |
| Marsh,JS | | | |
| <i>Marsh,JS</i> . "The geophysical mapping of Mesozoic dyke swarms in southern Africa and their origin in the disruption of Gondwana [J. Afr. Earth Sci. 30 (2000) 499-513]". <i>Journal of African Earth Sciences</i> . 2002. 35,525-527. | 1.00 | | |
| <i>Maier,WD</i> , <i>Marsh,JS</i> , <i>Barnes,SJ</i> and <i>Dodd,DC</i> . "The distribution of Platinum Group Elements in the Insizwa Lobe, Mount Ayliff Complex, South Africa: Implications for Ni-Cu-PGE sulfide exploration in the Karoo Igneous Province". <i>Economic Geology</i> . 2002. 97,1293-1306. | 0.25 | | |
| Moore,JM | | | |
| <i>Moore,JM</i> , <i>Tsikos,H</i> and <i>Polteau,S</i> . "Deconstructing the Transvaal Supergroup, South Africa: Implications for Palaeoproterozoic palaeoclimate models". <i>Journal of African Earth Sciences</i> . 2001. 33,437-444. | 1.00 | | |
| <i>Tsikos,H</i> , <i>Moore,JM</i> and <i>Harris,C</i> . "Geochemistry of the Palaeoproterozoic Mooidraai Formation: Fe-rich limestone as end-member of iron-formation deposition, Transvaal Supergroup, South Africa". <i>Journal of African Earth Sciences</i> . 2001. 32,19-27. | 0.34 | | |
| TOTAL FOR GEOLOGY | 7.26 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

HISTORY

All members of the History Department continued to be engaged in research projects during 2002. Gary Baines' book, *A History of New Brighton, Port Elizabeth, South Africa 1903-1953: The Detroit of the Union*, was published in the US by Edwin Mellen Press. He also made further progress with his latest project, exploring literary and visual representations of South Africa's border war. He delivered a paper on this at an international conference at Monash University in Melbourne.

Julian Cobbing spent two months as a visiting fellow at Oxford University, where he continued to work on his book on the modern world crisis. Paul Maylam made further progress with his book on twentieth century commemorations and representations of Cecil Rhodes. In March he delivered the Rhodes Commemoration lecture at Rhodes to mark the centenary of Rhodes's death. And in December he gave a paper at a special conference on Rhodes and his legacies, held at St Anthony's College, Oxford.

Julie Wells maintained her major involvement in the heritage sector - at a local, national and international level. She ran workshops to support and promote local historical projects on Egazini (the Battle of Grahamstown), and the Xhosa leader, Makana. She also gave papers at the international Oral Studies Association conference in Pietermaritzburg, and at the African Studies Association conference in Washington.

The department was pleased to welcome the distinguished South Africanist historian, Norman Etherington, from the University of Western Australia, as a visiting lecturer from July to September.

Reuben Matheka graduated with a PhD for his thesis on the history of wildlife conservation in Kenya. He has since been awarded the prestigious Smuts visiting fellowship at Cambridge University, where he plans to convert his thesis into a book.

PROFESSOR P. MAYLAM
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Baines,G

Baines,G. A History of New Brighton, Port Elizabeth, South Africa 1903-1953: The Detroit of the Union. Edwin Mellen Press. New York. 2002. 408 pp.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Maylam,PR

Maylam,PR. "Monuments, memorials and the mystique of empire: The immortalisation of Cecil Rhodes in the twentieth century". *African Sociological Review/Revue Africaine De Sociologie*. 2002. 6(1),138-147.

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

i. Local Conferences (Within South Africa)

Baines,G

Baines,G. "Our Vietnam: Representation of the Border War in South African Literature". *Narrative, Trauma & Memory: SA armed conflicts of the 20th century*. University of Cape Town, Cape Town. July 2002.

Baines,G. "On Location: Narrative of the South African City in Film and Literature of the late 1940s and 1950s". *First International African Film and History Conference*. University of Cape Town, Cape Town. July 2002.

Wells,J

Wells,J. "Conceptualising Developmental History: Breaking the Boundaries of Academia". *South African Historical Association Conference*. Rand Afrikaans University, Johannesburg. June 2002.

Wells,J. "Conceptualising Developmental History: Breaking the Boundaries of Academia". *XIIth International Oral History Association Conference*. University of Natal, Pietermaritzburg. June 2002.

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

ii. International Conferences (Outside South Africa)

Baines,G

Baines,G. "South Africa's Vietnam: Literary History and Cultural Memory of the Border War". *Frontlines: Gender, Identity and War*. Monash University, Melbourne. Australia. July 2002.

Maylam,PR

Maylam,PR. "Creating the cult of Rhodes 1897-1953". *Rhodes, its Networks and their legacies*. St. Anthony's College, Oxford. England. November - December 2002.

Maylam,PR. "The Historiography of the South African Racial Order". *African Studies in the 20th Century: Time, Personalities, Interpretations*. Moscow State University, Moscow. Russia. 2002. 5-94067-068-7.

Wells,J

Wells,J. "Curing the 'Public Evils': the contested terrain of Male Missionary Sexuality in Early 19th Century LMS Missions at the Cape of Good Hope". *African Studies Association*. Washington DC. USA. December 2002.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Wells,J

Wells,J. Writer. "Rebellion and Uproar.....". National Arts Festival. Grahamstown. 28 June - 6 July 2002.

Wells,J. Designer. Winter School at National Arts Festival. Grahamstown. 2 July 2002.

Wells,J. Designer. "Traditional Leaders of the Eastern Cape". Albany Museum (travelling exhibition). Grahamstown and travelling. 23 August 2002.

DISTINGUISHED VISITORS

Professor NA Etherington. University of Western Australia, Perth, Australia. Visiting lecturer. July - September 2002.

SUBSIDY UNITS CLAIMED

| HISTORY | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Maylam,PR | | | |
| <i>Maylam,PR.</i> "Monuments, memorials and the mystique of empire: The immortalisation of Cecil Rhodes in the twentieth century". <i>African Sociological Review/Revue Africaine De Sociologie</i> . 2002. 6(1),138-147. | 1.00 | | |
| TOTAL FOR HISTORY | 1.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

HUMAN KINETICS AND ERGONOMICS

The HKE research output for 2002 is down on the previous year, but with the young staff (three, of a total of five academic staff) all having completed their MSc in 2000 and 2001, and embarking on their PhD during the year, a lean year is understandable. Of concern though is the lack of papers in quality journals. However, there are several papers out on review or in press in the International Ergonomics Journals where the time lag from acceptance to printing is often over two years.

What is encouraging is that C Christie, J James and A Todd are clearly establishing their own area(s) of research beyond the focus of the degree (PhD in all three cases) they are working toward. It has been encouraging to note their interaction with past students (G King and D Kennedy) now out of the academic world, and they are also beginning to conduct joint work with researchers from other institutes.

P A Scott continues to travel both nationally and internationally giving invited papers and workshops in industrially developing areas in a drive to establish Ergonomics where it is most needed, yet least understood. While not all of these are subsidy earning papers, they do serve to market Rhodes University overseas and to establish the HKE department as a centre of excellence for Ergonomics in Industrially Developing Countries. The outcome of this at an international level is that there is a growing interest for overseas postgraduate students to come to Rhodes for postgraduate degrees. Unfortunately the problem here is that students from IDCs (all with poor economies) require full financial support and often do not meet the required academic standard.

It is worth noting that not only are we attracting interest from students, but also senior academics, and the visit from Professors Shahnavaaz and Lonroth from Lulea University in Sweden served to strengthen the bond for our joint NRF and SIDA project.

So while the output for 2002 was not good, the growth (of our own "timber"), commitment and rigour within the department has never been better, hence the future looks full of potential as the three younger staff mature into rigorous, productive researchers.

PROFESSOR P A SCOTT
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Christie,CJ and Todd,AI

King,GA, Christie,CJ and Todd,AI. "Effect of protective gear on skin temperature responses and sweat loss during cricket batting activity". *South African Journal of Sports Medicine.* 2002. 9(2),30-35.

James,JP

James,JP. "Evaluating task-related risk: Towards a focus on ergonomics in the South African automotive industry". *Occupational Health Southern Africa.* 2002. 8(6),4-6.

James,JP. "Usability and usefulness of ergonomics Web sites: a preliminary investigation". *South African Journal of Information Management.* 2002. 4(1), (Online).

Scott,PA

Scott,PA. "The older worker : Physical and mental attributes to retain a viable position in the workplace". *Gerontechnology.* 2002. 2(1),55-59.

Todd,AI and Scott,PA

Todd,AI and Scott,PA. "Metabolic responses to various combinations of gradient, load and marching speed". *Ergonomics SA.* 2002. 14(1),37-45.

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

i. Local Conferences (Within South Africa)

Christie,CJ

Christie,CJ. "Relationship between energy intake and energy expenditure during manual work in South Africa". *CybErg'2002: The Third International Cyberspace Conference on Ergonomics 2002.* University of the Witwatersrand, Johannesburg. September 2002. 185-192.

James,JP

James,JP. "A preliminary investigation into ergonomics awareness within the South African automotive industry". *CybErg'2002: The Third International Cyberspace Conference on Ergonomics 2002*. University of the Witwatersrand, Johannesburg. September 2002. 738-745.

James,JP. "Evaluating occupational health risks: A focus on Ergonomics issues in the Automotive Industry". *Evaluating Occupational Health Risks International Conference 2002. SASOHN International Conference*. Port Elizabeth. November 2002. 59-64.

James,JP and Kennedy,D. "A comparison of male and female work-simulating isokinetic strength outputs: ergonomics implications". *CybErg'2002: The Third International Cyberspace Conference on Ergonomics 2002*. University of the Witwatersrand, Johannesburg. September 2002. 201-213.

Scott,PA

Scott,PA. "Ergonomics and Occupational Health: The need for a symbiotic relationship". *S A Occupational Health and Safety Conference*. International Convention Centre, Durban. April 2002.

Scott,PA. "Ergonomics and Occupational Health and Safety: a "functional partnership" essential in Industrially Developing Countries". *CybErg'2002: The Third International Cyberspace Conference on Ergonomics 2002*. University of the Witwatersrand, Johannesburg. September 2002. 9-17.

Scott,PA. "The role of Ergonomics and Human Factors in asset maintenance". *Asset Maintenance Conference*. Balalaika Conference Room, Johannesburg. October 2002.

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

Scott,PA. "Theoretical principles and practical implementation of Ergonomics". *IEA Conference : Developing Ergonomics in a developing world*. Santiago, Chile. South America. September 2002.

Scott,PA. "The critical role of Ergonomics in improving working conditions, worker well-being and productivity". *ABERGO 2002, XII Congress of the Brazilian Ergonomics Society*. Recife, Brazil. South America. September 2002.

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

Scott,PA. Presenter. "A team approach to establishing an ergonomic ethos in South Africa". SAIOH Workshop. International Convention Centre. Durban. April 2002.

Scott,PA. Presenter. "A micro-macro approach to establishing ergonomics in IDCs". ABERGO Workshop. VII Congresso Latino-Americano De Ergonomia. Recife, Brazil. 1 - 5 September 2002.

Scott,PA and Zink,K. Presenter. "The need for both micro and macro ergonomics". Chilian Workshop. Santiago, Chile. 2 - 3 September 2002.

DISTINGUISHED VISITORS

Professor E Lonroth. Lulea University, Sweden. Undergrad and Postgrad lectures: Postgraduate workshop and discussion and development of NRF/SIDA project. August 10 - 20 2002.

Professor H Shahnavaaz. Lulea University, Sweden. Undergrad and Postgrad lectures: Postgraduate workshop and discussion and development of NRF/SIDA project. August 10 - 20 2002.

SUBSIDY UNITS CLAIMED

| HUMAN KINETICS AND ERGONOMICS | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Christie,CJ and Todd,AI | | | |
| <i>King,GA, Christie,CJ and Todd,AI. "Effect of protective gear on skin temperature responses and sweat loss during cricket batting activity". South African Journal of Sports Medicine. 2002. 9(2),30-35.</i> | 1.00 | | |
| James,JP | | | |
| <i>James,JP. "Evaluating task-related risk: Towards a focus on ergonomics in the South African automotive industry". Occupational Health Southern Africa. 2002. 8(6),4-6.</i> | 1.00 | | |
| <i>James,JP. "Usability and usefulness of ergonomics Web sites: a preliminary investigation". South African Journal of Information Management. 2002. 4(1), (Online).</i> | 1.00 | | |
| Scott,PA | | | |
| <i>Scott,PA. "The older worker : Physical and mental attributes to retain a viable position in the workplace". Gerontechnology. 2002. 2(1),55-59.</i> | 1.00 | | Y |
| Todd,AI and Scott,PA | | | |
| <i>Todd,AI and Scott,PA. "Metabolic responses to various combinations of gradient, load and marching speed". Ergonomics SA. 2002. 14(1),37-45.</i> | 1.00 | | |
| TOTAL FOR HUMAN KINETICS AND ERGONOMICS | 5.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 1.00 | | |

ICHTHYOLOGY AND FISHERIES SCIENCE

Dr Tony Booth was on study leave in the second half of the year. He obtained a prestigious Fulbright Scholarship and was appointed as the Meek Professor at the University of Alaska Fairbanks in Juneau, Alaska. Apart from teaching graduate course in population dynamics he also developed spatially explicit models that are to be used for assessment of the South African hake and Bering Sea Walley Pollock resources. He was also the keynote speaker at the Second International Symposium on GIS and Spatial Analysis in Brighton, UK.

The Economic and Sectoral Study of the South African fishing industry was completed in 2002 and presented to the Department of Environmental Affairs and Tourism and was well received. This was an intensive two year study, lead by Prof's Britz, Hecht and Sauer of the DIFS and Dinty Mather of the Department of Economics. A keynote address on managing the South African fishing industry in post apartheid South Africa was presented at the Southern African Marine Science Symposium in Namibia in July 2002.

Prof Sauers work on paternity studies in chokka squid is yielding some very interesting results with as many as four males responsible for fertilizing eggs within one egg string. It now remains to establish whether female choice is involved in the process. His groups work in the Goukamma National Park on the movement behaviour of Red Roman, using telemetry tags, is also progressing well and the detailed daily movement patterns will allow then to delineate the home range of this species, a key factor for establishing the optimal size for Marine Protected Areas.

The abalone research group led by Prof Britz continued with their research into the impact of abalone poaching in the Eastern Cape and also showed that it was possible to rehabilitate denuded areas with hatchery reared seed abalone. The group continued to support the emerging abalone aquaculture industry performing research into abalone feed development.

Dr Kaiser and his group were busy working on transport physiology, cannibalism and developing protocols for selecting beneficial or probiotic bacteria to increase survival of marine fish larvae. This work will have major implications for the rearing of marine fish larvae worldwide. Their research on a parasitic polychaete worm that is causing serious financial losses on South African abalone farms is also nearing completion. The results from this work will ultimately save the industry millions of Rands per year.

Prof Hecht and his group of students made excellent progress in their work on developing protocols for the farming of kob and sole. Last year they successfully spawned and reared kob larvae to juveniles ready for stocking on to farms and excellent progress has been made in developing a formulated feed for the farming of kob.

PROFESSOR T. HECHT
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Booth,AJ

Maartens,L and *Booth,AJ*. "Assessment of the monkfish *Lophius vomerinus* resource off Namibia". *South African Journal of Marine Science*. 2001. 23,275-290.

Maartens,L and *Booth,AJ*. "Quantifying commercial catch and effort of monk fish *Lophius vomerinus* and *L.vaillanti*, off Namibia". *South African Journal of Marine Science*. 2001. 23,291-306.

Hecht,T

Gordon,AK and *Hecht,T*. "Histological studies on the development of the digestive system of the clownfish *Amphiprion percula* and the time of weaning". *Journal of Applied Ichthyology*. 2002. 18,113-117.

Harrison,TD and *Hecht,T*. "Preliminary assessment of the biogeography of fishes in South African estuaries". *Marine and Freshwater Research*. 2002. 53,479-490.

Kaiser,H

Tschoertner,U and *Kaiser,H*. "Naïve host experiments and the effects of pattern differences in the behaviour of *Labroides dimidiatus* (Labridae) and *Gobiosoma evelynae* (Gobiidae) in relation to allopatric host fishes". *Journal of Aquaculture and Aquatic Sciences*. 2002. 4,69-81.

Kaiser,H, *Chalmers,R* and *Oellermann,LK*. "The effect of copper on physical condition behaviour reproduction and survival of *Aiptasia spp* under laboratory conditions". *Journal of Applied Aquaculture*. 2002. (In Press).

Kaiser,H and Hecht,T

Radull,J, Kaiser,H and Hecht,T. "Stress-related changes in the metabolic rate of juvenile spotted grunter *Pomadasys commersonnii* (Haemulidae, Pisces)". *Marine and Freshwater Research*. 2002. 53(2),565-570.

Johnston,G, Kaiser,H, Hecht,T and Oellermann,LK. "Effect of ratio size and feeding frequency on growth size distribution and survival of juvenile clownfish *Amphiprion percula*". *Journal of Applied Ichthyology*. 2002. (In Press).

Kaiser,H, Booth,AJ and Britz,PJ

Simon,CA, Kaiser,H, Booth,AJ and Britz,PJ. "The effect of diet and live host presence on the growth and reproduction of *Terebrasabella heterouncinata* (Polychaeta: Sabellidae)". *Invertebrate Reproduction and Development*. 2002. 41,1-3.

Sales,J and Britz,PJ

Sales,J and Britz,PJ. "Evaluation of the Reference Diet Substitution method for determination of Apparent Nutrient Digestibility of Coefficients of Feed Ingredients for South African abalone *Haliotis midae*". *Aquaculture*. 2002. 207,113-123.

Sales,J and Britz,PJ. "Influence of ingredient particle size and dietary inclusion level of pre-gelatinised maize starch on apparent nutrient digestibility of diets in South African abalone *Haliotis midae*". *Aquaculture*. 2002. 212,299-309.

Sauer,WHH

Cockroft,AC, Sauer,WHH, Branch,GM, Clarke,BM, Dye,AH and Russel,E. "Assessment of resource availability and suitability for subsistence fishers in South Africa, with a review of resource management procedures". *South African Journal of Marine Science*. 2002. 24,489-502.

Harris,JM, Branch,GM, Clarke,BM, Cockroft,AC, Coetzee,C, Dye,AH, Hauck,M, Johnston,A, Kati Kati,L, Maseko,Z, Salo,K, Sauer,WHH, Siqwana-Ndulo,N and Sowman,M. "Recommendations for the management of subsistence fisheries in South Africa". *South African Journal of Marine Science*. 2002. 24,503-523.

Harris,JM, Sowman,M, Branch,GM, Clarke,BM, Cockroft,AC, Coetzee,C, Dye,AH, Hauck,M, Johnston,A, Kati Kati,L, Maseko,Z, Salo,K, Sauer,WHH, Siqwana-Ndulo,N and Beaumont,J. "The process of developing a management system for subsistence fisheries in South Africa: Recognising and formalising a marginalized fishing sector in South Africa". *South African Journal of Marine Science*. 2002. 24,405-424.

Oosthuizen,A, Roberts,MJ and Sauer,WHH. "Early post cleavage stages and abnormalities identified in the embryonic development of chokka squid eggs *Loligo vulgaris reynaudii*". *South African Journal of Marine Science*. 2002. 24,379-382.

Shipton,TA and Britz,PJ

Shipton,TA and Britz,PJ. "The effect of partial and total replacement of fishmeal with selected plant protein sources in formulated feeds for the South African abalone, *Haliotis midae* L". *Journal of Shellfish Research*. 2001.

Shipton,TA, Britz,PJ and Walker,RB. "An assessment of the efficacy of two lysine microencapsulation techniques to determine the quantitative lysin requirements of the South African abalone *Haliotis midae* L". *Aquaculture Nutrition*. 2002. 8,221-227.

Weyl,OLF

Bills,IR and Weyl,OLF. "A new species of the Genus *Chetia* (Teleostei: Cichlidae) from the Lecitu River, Buzi System, Mozambique". *Smithania Special Publication*. 2002. 1,1-11.

OTHER PUBLICATIONS**Booth,AJ**

Booth,AJ. "Determination of biological reference points for Lake Malawi cichlids". Weyl,OLF and Weyl, MV(eds) Proceedings of the Lake Malawi Fisheries Management Symposium, 4th - 9th June 2001, Lilongwe. GTZ. Lilongwe. 2001. 228-260.

Kanyerere,GZ and Booth,AJ. "Spatial and temporal distribution of some commercially important fish species in the southeast arm of Lake Malawi: A Geostatistical Analysis". Weyl,OLF and Weyl, MV(eds) Proceedings of the Lake Malawi Fisheries Management Symposium, 4th - 9th June 2001, Lilongwe. GTZ. Lilongwe. 2001. 173-188.

Nishida,T and Booth,AJ. "Recent methods and approaches using GIS in the spatial analysis of fish populations". Kruse,GH, Bez,N, Booth,AJ, Dorn,MW, Hills,S, Lipcius,RN, Pelletier,D, Roy,C, Smith,SJ and Witherell, D(eds) In:

Spatial processes and the management of marine populations. University of Alaska Sea Grant. Fairbanks. 2001. AK-SG-01-02, 19-36.

Britz,PJ

Britz,PJ. "Evaluation of wine yeast as a protein source and immune stimulant in aquaculture species". Report for Brenn-O-Kem (Pty) Ltd. 2002.

Britz,PJ, de Waal,S and Godfrey,BP. "Management Plan for the Eastern Cape Abalone source". Report for Department of Environmental Affairs and Tourism. 2002.

Oellerman,L, Mathews,I and *Britz,PJ*. "Northern Cape Mariculture Industrial Park Concept Document". Report for Gariep Spatial Development Initiative and Development Bank of South Africa. 2002.

Britz,PJ, Hecht,T and Sauer,WHH

Mather,D, Britz,PJ, Hecht,T and Sauer,WHH. "Economic and regulatory principles, survey results, transformation and socio-economic impact". Report for Department of Environmental Affairs and Tourism Branch Marine and Coastal Management Coastal Management. 2002. 1.

Davies,MTT

Davies,MTT. "Exemplary Service Award to Brian von Holdt". Flyfishing Magazine. 2002.

Davies,MTT. "An Eye Opener - 3rd World Recreational Fishing Conference Darwin Australia". Flyfishing Magazine. 2002. 54-56.

Davies,MTT. "Trout in the Stormberg Winterberg and Bosberg regions Eastern Cape". Wolhuter, LA(eds) The Nedbank Guide to Flyfishing in southern Africa. Colorpress (Pty) Ltd. Sloane Park Johannesburg. 2002. 4, 121-127.

Davies,MTT. "Flyfishing in Grahamstown". Wolhuter, LA(eds) The Nedbank Guide to Flyfishing in southern Africa. Colorpress (Pty) Ltd. Sloane Park. 2002. 4, 127-127.

Davies,MTT and Kaiser,H

Davies,MTT and Kaiser,H. "The Beneficiation of acid mine effluent (AME) from the New Denmark Power Station Colliery complex using an integrated systems approach. Fish section". An Integrated Beneficiation System Final Consultants Report. Eskom. 2002. 57-70.

Davies,MTT and Shipton,TA

Davies,MTT and Shipton,TA. Feasibility study for trout culture at Hiddendale farm Dullstroom. 2002.

Sauer,WHH, Hecht,T and Britz,PJ

Sauer,WHH, Hecht,T, Britz,PJ and Mather,D. Fishery Profiles. 2002. 2.

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

i. Local Conferences (Within South Africa)

Britz,PJ

Keulder,F and Britz,PJ. "Lobster recruitment on an oyster farm in Luderitz Bay Namibia". *5th Symposium of the Aquaculture Association of Southern Africa*. AASA2002, Stellenbosch. September 2002.

Churchill,G

Churchill,G, Hecht,J and Davis,T. "An investigation into the brood stock and egg characteristics of the mud crab (*Scylla serrata*) in captivity". *6th Conference of the Aquaculture Association of South Africa*. University of Stellenbosch, Stellenbosch. September 2002. 13.

Hecht,T

Thompson,E and Hecht,T. "Screening of sole, *Synaptura marginata* as a candidate for aquaculture". *6th Conference of the Aquaculture Association of South Africa*. University of Stellenbosch, Stellenbosch. September 2002. 11.

Jones,C, Kaiser,H and Hecht,T

Jones,C, Kaiser,H and Hecht,T. "The mitigation of cannibalism under culture conditions based on behavioural observations, using the swordtail *Xiphophorus helleri* as a model species". *6th Conference of the Aquaculture Association of South Africa*. University of Stellenbosch, Stellenbosch. September 2002. 23.

Kaiser,H

Gray,MS and Kaiser,H. "On farm factors affecting reproduction of the sabellid worm *Terebrasabella heterouncinata*". *Aquaculture Association of southern Africa*. Stellenbosch, Cape Town. September 2002.

Naigaga,I and Kaiser,H. "Bioaccumulation of copper in *Oreochromis mossambicus* Implications for waste management and public health". *Forum for Economics and Environment Annual Conference*. Cape Town, Cape Town. February 2002.

Paulet,G and Kaiser,H. "The effect of diet type on the growth and development of larval goldfish *Carassius auratus*". *Aquaculture Association of southern Africa*. Stellenbosch, Cape Town. September 2002.

Kaiser,H and Hecht,T

Vine,NG, Leukes,WD, Kaiser,H and Hecht,T. "Criteria for the selection of probiotic bacteria for marine fish larviculture". *6th Conference of the Aquaculture Association of South Africa*. University of Stellenbosch, Stellenbosch. September 2002. 15.

Rouhani,Q

Timmermans,H and Rouhani,Q. "Multiple-Use Management of Natural Resources on State Forest Land in Centane and Willowvale, Eastern Cape". *Natural Forests and Woodlands Symposium III*. Berg-en-dal Camp, Kruger National Park. May 2002.

**RESEARCH PAPERS PRESENTED AT ACADEMIC/SCIENTIFIC CONFERENCES
(PROCEEDINGS,BOOKLETS and ATTENDANCE)****ii. International Conferences (Outside South Africa)****Britz,PJ and Sauer,WHH**

Britz,PJ, Sauer,WHH and Mather,D. "Towards Equity in South African Fisheries". *International Institute for Fisheries Economics and Trade Symposium*. IIFET 2002, Wellington. New Zealand. August 2002.

Britz,PJ, Sauer,WHH and Hecht,T

Mather,D, Britz,PJ, Sauer,WHH, Hecht,T and Oellermann,LK. "Economic and sectoral study of the South African Fishing Industry". *Southern African Marine Science Symposium*. Swakopmund Hotel & Conference Centre, Swakopmund. Namibia. July 2002. 60.

Davies,MTT

Davies,MTT. "The development of flyfishing as a recreational sport in Southern Africa". *World Recreational Fishing Conference*. Darwin, Darwin. Australia. 2002. 32.

Olyott,LTH and Davies,MTT. "Development of a sport fishery information and management system for South African Flyfishing". *World Recreational Fishing Conference*. Darwin. Australia. 2002. 51.

Scott,L, Davies,MTT and Olyott,LTH. "GIS and Yellowfish". *Proceedings of the 6th Yellowfish Working Group Conference of the Federation of southern African Flyfishers*. Mount Cedar Resort, Groot River Western Cape. 2002. 61-68.

Von Holdt,B, Davies,MTT and Olyott,LTH. "The Role of the Federation of southern African Flyfishers as the representative body of flyfishing in southern Africa". *World Recreational Fishing Conference*. Darwin. Australia. 2002. 33.

Hecht,T

Hecht,T. "Strategies and measures for sustainable aquaculture in sub-Saharan Africa". *World Aquaculture Society Conference*. International Convention Centre, Beijing. China. April 2002. 291.

Bacela,N and Hecht,T. "Growth performance and prediction of rearing time of juvenile spotted grunter, *Pomadasys commersonnii*, under ambient temperature conditions". *Southern African Marine Science Symposium*. Swakopmund Hotel & Conference Centre, Swakopmund. Namibia. July 2002. 4.

Bacela,N and Hecht,T. "The effect of size manipulation on growth of juvenile spotted grunter, *Pomadasys commersonnii*". *Southern African Marine Science Symposium*. Swakopmund Hotel & Conference Centre, Swakopmund. Namibia. July 2002. 5.

Bacela,N and Hecht,T. "The influence of feeding frequency and stocking density on growth of juvenile spotted grunter, *Pomadasys commersonnii*, under tank culture conditions". *Southern African Marine Science Symposium*. Swakopmund Hotel & Conference Centre, Swakopmund. Namibia. July 2002. 5.

Mperdempes,A and Hecht,T. "Cage and tank culture of dusky cob, *Argyrosomus japonicus* and spotted grunter *Pomadasys commersonnii*". *Southern African Marine Science Symposium*. Swakopmund Hotel & Conference Centre, Swakopmund. Namibia. July 2002. 71.

Hecht,T and Kaiser,H

Hecht,T, Oellermann,LK and Kaiser,H. "Zootechnical advances in the culture of marine aquarium fish in South Africa". *World Aquaculture Society Conference*. International Convention Centre, Beijing. China. April 2002. 292.

Kaiser,H and Britz,PJ

Kaiser,H and Britz,PJ. "The role of research in the development of ornamental fish culture in Africa". *World Aquaculture Conference*. Beijing. China. April 2002.

Kaiser,H and Hecht,T

Jones,C, Kaiser,H and Hecht,T. "Behaviour observations on filial cannibalism as a tool to improve juvenile production in the swordtail *Xiphophorus helleri* under farming conditions". *World Aquaculture Conference*. Beijing. China. April 2002.

Sauer,WHH and Britz,PJ

Sauer,WHH, Britz,PJ and Kleinschmidt,H. "Fisheries transformation in post-apartheid South Africa: introducing a social agenda into fisheries management". *Southern African Marine Science Symposium*. SAMSS 2002, Swakopmund. Namibia. July 2002.

Sauer,WHH, Britz,PJ and Kleinschmidt,H. "Fisheries management in post apartheid South Africa". *IFFET 2002: Fisheries in the global economy*. Wellington. New Zealand. August 2002.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Davies,MTT

Davies,MTT. Group chairman. "*Code of conduct workshop*". World Recreational Fisheries Conference. Carlton Hotel. Darwin, Australia. 24 May 2002 - 24 May 2003.

Davies,MTT. Presenter of funding section. "*Federation of southern African flyfishers (FOSAF)*". Strategic planning workshop. Johannesburg. 15 - 16 June 2002.

Davies,MTT. DIFS representative. "*Terms of Reference towards proposals for research and development in rural aquaculture*". Water Research Commission. Pretoria. Pretoria. 1 - 31 October 2002.

Davies,MTT. DIFS representative. "*Strategic planning workshop on partnerships in aquatic and marine natural resources*". Strategic planning. University of Fort Hare. Alice. 1 - 30 November 2002.

Kaiser,H and Hecht,T

Kaiser,H, Triantafyllidis,A, Baxevanis,A, Hecht,T and Abatzopoulos,TJ. Yes. "*Preliminary RFLP analysis of mtDNA from Southern African Artemia INCO Concerted Action - The European Commission Community Research*". Regional Workshop on Artemia Biodiversity. Beijing, China. 23 - 26 September 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Booth,AJ

Booth,AJ. University of Alaska Fairbanks, Juneau, USA. Research/lecturing. 25 July 2002 - 28 February 2003.

Hecht,T

Hecht,T. University of Gent, Gent, Belgium. Artemia Research Workshop. 8 January - 1 February 2002.

Hecht,T. Inst. National de Peche, Mindelo, Cape Verde. Fisheries Research Planning. 11 May - 5 June 2002.

SUBSIDY UNITS CLAIMED

| ICHTHYOLOGY AND FISHERIES SCIENCE | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Booth,AJ | | | |
| Maartens,L and Booth,AJ. "Assessment of the monkfish <i>Lophius vomerinus</i> resource off Namibia". <i>South African Journal of Marine Science</i> . 2001. 23,275-290. | 0.50 | | |
| Maartens,L and Booth,AJ. "Quantifying commercial catch and effort of monk fish <i>Lophius vomerinus</i> and <i>L.vaillanti</i> , off Namibia". <i>South African Journal of Marine Science</i> . 2001. 23,291-306. | 0.50 | | |
| Hecht,T | | | |
| Gordon,AK and Hecht,T. "Histological studies on the development of the digestive system of the clownfish <i>Amphiprion percula</i> and the time of weaning". <i>Journal of Applied Ichthyology</i> . 2002. 18,113-117. | 1.00 | | |
| Harrison,TD and Hecht,T. "Preliminary assessment of the biogeography of fishes in South African estuaries". <i>Marine and Freshwater Research</i> . 2002. 53,479-490. | 1.00 | | |
| Kaiser,H | | | |
| Tschoertner,U and Kaiser,H. "Naïve host experiments and the effects of pattern differences in the behaviour of <i>Labroides dimidiatus</i> (Labridae) and <i>Gobiosoma evelynae</i> (Gobiidae) in relation to allopatric host fishes". <i>Journal of Aquaculture and Aquatic Sciences</i> . 2002. 4,69-81. | 0.50 | | |
| Kaiser,H, Chalmers,R and Oellermann,LK. "The effect of copper on physical condition behaviour reproduction and survival of <i>Aiptasia spp</i> under laboratory conditions". <i>Journal of Applied Aquaculture</i> . 2002. (In Press). | 0.67 | Y | |
| Kaiser,H and Hecht,T | | | |
| Radull,J, Kaiser,H and Hecht,T. "Stress-related changes in the metabolic rate of juvenile spotted grunter <i>Pomadysys commersonii</i> (Haemulidae, Pisces)". <i>Marine and Freshwater Research</i> . 2002. 53(2),565-570. | 1.00 | | |
| Johnston,G, Kaiser,H, Hecht,T and Oellermann,LK. "Effect of ratio size and feeding frequency on growth size distribution and survival of juvenile clownfish <i>Amphiprion percula</i> ". <i>Journal of Applied Ichthyology</i> . 2002. (In Press). | 1.00 | Y | |
| Kaiser,H, Booth,AJ and Britz,PJ | | | |
| Simon,CA, Kaiser,H, Booth,AJ and Britz,PJ. "The effect of diet and live host presence on the growth and reproduction of <i>Terebrasabella heterouncinata</i> (Polychaeta: Sabellidae)". <i>Invertebrate Reproduction and Development</i> . 2002. 41,1-3. | 1.00 | | |
| Sales,J and Britz,PJ | | | |
| Sales,J and Britz,PJ. "Evaluation of the Reference Diet Substitution method for determination of Apparent Nutrient Digestibility of Coefficients of Feed Ingredients for South African abalone <i>Haliotis midae</i> ". <i>Aquaculture</i> . 2002. 207,113-123. | 1.00 | | |
| Sales,J and Britz,PJ. "Influence of ingredient particle size and dietary inclusion level of pre-galatinised maize starch on apparent nutrient digestibility of diets in South African abalone <i>Haliotis midae</i> ". <i>Aquaculture</i> . 2002. 212,299-309. | 1.00 | | |
| Sauer,WHH | | | |
| Cockroft,AC, Sauer,WHH, Branch,GM, Clarke,BM, Dye,AH and Russel,E. "Assessment of resource availability and suitability for subsistence fishers in South Africa, with a review of resource management procedures". <i>South African Journal of Marine Science</i> . 2002. 24,489-502. | 0.17 | | |
| Harris,JM, Branch,GM, Clarke,BM, Cockroft,AC, Coetzee,C, Dye,AH, Hauck,M, Johnston,A, Kati Kati,L, Maseko,Z, Salo,K, Sauer,WHH, Siqwana-Ndulo,N and Sowman,M. "Recommendations for the management of subsistence fisheries in South Africa". <i>South African Journal of Marine Science</i> . 2002. 24,503-523. | 0.07 | | |
| Harris,JM, Sowman,M, Branch,GM, Clarke,BM, Cockroft,AC, Coetzee,C, Dye,AH, Hauck,M, Johnston,A, Kati Kati,L, Maseko,Z, Salo,K, Sauer,WHH, Siqwana-Ndulo,N and Beaumont,J. "The process of developing a management system for subsistence fisheries in South Africa: Recognising and formalising a marginalized fishing sector in South Africa". <i>South African Journal of Marine Science</i> . 2002. 24,405-424. | 0.07 | | |
| Oosthuizen,A, Roberts,MJ and Sauer,WHH. "Early post cleavage stages and abnormalities identified in the embryonic development of chokka squid eggs <i>Loligo vulgaris reynaudii</i> ". <i>South African Journal of Marine Science</i> . 2002. 24,379-382. | 0.67 | | |
| Shipton,TA and Britz,PJ | | | |
| Shipton,TA and Britz,PJ. "The effect of partial and total replacement of fishmeal with selected plant protein sources in formulated feeds for the South African abalone, | 1.00 | | |

| | | | |
|--|-------|--|--|
| <i>Haliotis midae</i> L". <i>Journal of Shellfish Research</i> . 2001. | | | |
| Shipton,TA, Britz,PJ and Walker,RB. "An assessment of the efficacy of two lysine microencapsulation techniques to determine the quantitative lysin requirements of the South African abalone <i>Haliotis midae</i> L". <i>Aquaculture Nutrition</i> . 2002. 8,221-227. | 0.67 | | |
| Weyl,OLF | | | |
| Bills,IR and Weyl,OLF. "A new species of the Genus <i>Chetia</i> (Teleostei: Cichlidae) from the Lecitu River, Buzi System, Mozambique". <i>Smithania Special Publication</i> . 2002. 1,1-11. | 0.50 | | |
| TOTAL FOR ICHTHYOLOGY AND FISHERIES SCIENCE | 12.32 | | |
| TOTAL IN PRESS | 1.67 | | |
| TOTAL NON SAPSE | 0.00 | | |

INFORMATION SYSTEMS (GRAHAMSTOWN)

Research activities in the Department centred on a select few areas: knowledge management, ethics in Information Systems, multimedia databases and information systems in government. Papers from all these areas were presented at the Annual Conference ("Enablement through Technology" and the Post-Graduate Symposium) of the South African Institute of Computer Scientists and Information Technologists (SAICSIT).

The Department, in conjunction with the Department of Computer Science, also organised the Annual Conference of the Southern African Computer Lecturers' Association (SACLA).

PROFESSOR D. SEWRY
HEAD OF DEPARTMENT

OTHER PUBLICATIONS

McNeill,JB

Wells,GC and McNeill,JB. "Proceedings on CD". Wells,GC and McNeill, JB(eds) Proceedings of the 32nd Annual Southern African Computer Lecturer's Association Conference (SACLA 2002). Rhodes University. Grahamstown. 2002.

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

i. Local Conferences (Within South Africa)

Barr,V

Barr,V. 32nd Annual SACLA Conference. Fish River Sun, June 2002.

Edwards,G

Edwards,G. 32nd Annual SACLA Conference. Fish River Sun, June 2002.

Freeme,D

Freeme,D. 32nd Annual SACLA Conference. Fish River Sun, June 2002.

Levey,S

Levey,S. 32nd Annual SACLA Conference. Fish River Sun, June 2002.

Mallinson,B

Mallinson,B. 32nd Annual SACLA Conference. Fish River Sun, June 2002.

McNeill,JB

McNeill,JB. 32nd Annual SACLA Conference. Fish River Sun, June 2002.

Palmer,L

Palmer,L. "Internship Programmes as part of an Information Systems Curriculum". 32nd Annual SACLA Conference. Fish River Sun, June 2002.

Sewry,DA

Sewry,DA. 32nd Annual SACLA Conference. Fish River Sun, June 2002.

Charlesworth,M and Sewry,DA. "Ethical Issues in Enabling Technologies". Enablement Through Technology Conference - SAICSIT 2002. The Boardwalk Conference Centre, Port Elizabeth. September 2002. 163-171.

Fanicchi,L, Roets,R and Sewry,DA. "Improving Service Delivery in a Provincial Government Department in the Eastern Cape". Post-Graduate Research Symposium - SAISCIT 2002. The Boardwalk Conference Centre, Port Elizabeth. September 2002.

Ndakunda,K, Sewry,DA and Terzoli,A. "Towards Efficient and Effective Information Retrieval in Object Relational Databases". Post-Graduate Research Symposium - SAISCIT 2002. The Boardwalk Conference Centre, Port Elizabeth. September 2002.

Stakemire,T, Sewry,DA and Terzoli,A. "Designing MORD: an Object-Relational Database Benchmark". Post-Graduate Research Symposium - SAISCIT 2002. The Boardwalk Conference Centre, Port Elizabeth. September 2002.

Sunasse, N and Sewry, DA. "A Theoretical Framework for Knowledge Management Implementation". Enablement Through Technology Conference - SAICSIT 2002. The Boardwalk Conference Centre, Port Elizabeth. September 2002. 235-245.

Swales, D, Sewry, DA and Terzoli, A. "An Investigation of Technologies used to Distribute Multimedia across the Internet". Post-Graduate Research Symposium - SAISCIT 2002. The Boardwalk Conference Centre, Port Elizabeth. September 2002.

Stott, D

Stott, D. 32nd Annual SACLA Conference. Fish River Sun. June 2002.

DISTINGUISHED VISITORS

Professor M Sainsbury. SUN Couriers, Midrand. Lecture. August 2002.

SUBSIDY UNITS CLAIMED

| INFORMATION SYSTEMS | UNITS | IN PRESS | NON SAPSE |
|-------------------------------|-------|----------|-----------|
| TOTAL FOR INFORMATION SYSTEMS | 0.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

INFORMATION SYSTEMS (EAST LONDON)

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

i. Local Conferences (Within South Africa)

Roets, R

Roets, R. 32nd Annual SACLA Conference. Fish River Sun. June 2002.

Fanicchi, L, Roets, R and Sewry, DA. "Improving Service Delivery in a Provincial Government Department in the Eastern Cape". Post-Graduate Research Symposium - SAISCIT 2002. The Boardwalk Conference Centre, Port Elizabeth. September 2002.

Smale, W

Smale, W. 32nd Annual SACLA Conference. Fish River Sun, June 2002.

SUBSIDY UNITS CLAIMED

| INFORMATION SYSTEMS (East London) | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| TOTAL FOR INFORMATION SYSTEMS (East London) | 0.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

INSTITUTE FOR ENGLISH IN AFRICA

The Director, Professor Laurence Wright, is completing research into aspects of South African Language Policy. A series of articles is being published that will form part of a book entitled *English and the Future of South Africa* for Natal University Press. He delivered a keynote address at the 14th Conference of the English Academy of Southern Africa on the topic 'Language as a "resource" in South Africa: the economic life of language in a globalizing society.' He will be an invited panelist at the 21st World Congress of the World Federation of Modern Language Associations this July, delivering a paper entitled 'Language and value: towards accepting a richer linguistic ecology for South Africa' which will be included in a special issue of the journal *Language Problems and Language Planning*.

Professor Wright is also pursuing research into the history of Shakespeare in South Africa. The first phase of the research pays attention to the influence of Shakespeare on writers such as Sol Plaatje, H.I.E. Dhlomo, A.C. Jordan and R.L. Peteni. A paper 'Re-reading Peteni's *Hill of Fools* through its publishing history' will be delivered at the African Literature Association conference in Alexandria, Egypt. A second stream of enquiry concerns the first appearance of Shakespeare in South Africa, documenting the 1801 performance of *Henry IV Part 1* in the African Theatre, Cape Town, and the search for evidence of the elusive 1799 performance of *Hamlet* at Fort Frederick, Algoa Bay. Initial outcomes of the research include a short history of South African Shakespeare for the International Internet Shakespeare Editions; a keynote address at the 7th Biennial Conference of the Australian and New Zealand Shakespeare Association ('Shakespeare in South Africa: Alpha and "Omega"', which will appear in *Post Colonial Studies*, and in a book edited by R.S. White, *Shakespeare Local and Global*); and two public lectures, 'How Shakespeare Came to South Africa', for the annual Shakespeare Birthday Lecture at Rhodes University, and 'Yael Farber's *SeZaR*: Interrogating South African theatre' for the 2002 Winter School at the National Arts Festival.

Alan Macintosh Research Fellow Margie Probyn is working with a group of grade 8 science teachers in ex-DET schools, to develop a structured, coherent approach for **teaching science** through the medium of English as an additional language. Computer software for video analysis has been purchased in collaboration with the Environmental Education Unit and this technology opens up exciting possibilities for more rigorous and broad-based classroom research. This will inform the development of training for science teachers doing the Advanced Certificate in Education, and the Masters degree in science teaching in 2002/03. Further research will track teachers' developing classroom practice.

As part of her M.Ed. programme, Cossie Rasana has been conducting research in Grahamstown secondary schools, to establish the reading preferences of English second language learners.

Research Associate Dr Chris Mann, with Kamlesh Narshai, has completed research into the public response to the prototype WordBeacon launched at *Wordfest*. This is a national project in collaboration with the Pan South African Language Board to create public awareness of South Africa's multilingual heritage.

PROFESSOR L.S.WRIGHT
DIRECTOR

BOOKS/CHAPTERS/MONOGRAPHS

Berold,R

Berold,R (eds). It all begins. Natal University Press. Durban. 2002. 240 pp.

Mann,C

Mann,C. Heartlands. Natal University Press. Durban. 2002. 44 pp.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Baxter,M

Baxter,M. "View from Greenacres Hospital". *New Coin*. 2001. 37(2),43-44.

Mann,C

Mann,C. "Midlands Lexicon". *English Academy Review*. 2002. 18,191-191.

Mann,C. "The Ruin of Mandulwana". *English Academy Review*. 2002. 18,192-192.

Mann,C. "Nanagapoort Junction". *English Academy Review*. 2002. 18,193-193.

Mann,C. "Saying Goodbye to the Romans". *English Academy Review*. 2002. 18,194-196.

Mann,C. "Heraclitan Heresies". *English Academy Review*. 2002. 18,196-196.

Mann,C. "Kariega Metaphors". *New Coin*. 2002. 38(1),40-41.

Probyn,MJ

Probyn,MJ, Murray,S, Botha,L, Brookes,M, Westphal,V and Botya,P. "Minding the gaps - an investigation into language policy and practice in four Eastern Cape districts". *Perspectives in Education*. 2002. 20(1),29-46.

Wright,LS

Wright,LS. "Guy Butler". *Current Writing*. 2001. 13(1),1-6.

Wright,LS. "Why English dominates the central economy: An economic perspective on elite closure and South African language policy". *Language Problems and Language Planning*. 2002. 26(2),159-177.

Wright,LS. "Confronting the African Nightmare: Yael Farber's SeZaR". *Shakespeare in Southern Africa*. 2001. 13,102-106.

Wright,LS and Mann,B. "Ariel in Africa: Leslie French and the Port Elizabeth Shakespearean Festival". *Shakespeare in Southern Africa*. 2001. 13,93-99.

Wright,LS and Murray,S. "The principle of the NRF rating system for the humanities and social sciences: Ameliorating the judgment of Paris". *South African Journal of Higher Education*. 2002. 16(2),83-93.

OTHER PUBLICATIONS

Mann,C

Mann,C. "Is this the freedom for which we died?". Scheffler,B and Allard, D(eds) *A New Book of English*. Maskew Miller Longman. 2003.

Mann,C. "The Heartlands Coast". *New Concept*. 2002. 30(2), 40-41.

Mann,C. "The Mudflats of Swartkops". *New Concept*. 2002. 30(2), 41-42.

Mann,C. "The Nature of Dwebeza". *New Concept*. 2002. 30(2), 43-43.

Mann,C. "The Magic of Motse". *New Concept*. 2002. 30(2), 44-44.

Mann,C. "Wording the Gap". *New Concept*. 2002. 30(2), 45-46.

Mann,C. "The Dancer in the old Age Home". *New Concept*. 2002. 30(2), 46-47.

Mann,C. "Umsunduze Field". *New Concept*. 2002. 30(2), 48-49.

Mann,C. "Lament for the Eastern Cape Rocky". *Umjelo*. 2002. 2, 36-36.

Probyn,MJ

Botha,E, Botya,P, Brookes,M, Hendricks,M, Mdaka,P, Murray,S, Probyn,MJ, Nosilela,B, Sobahle,P, Westphal,V and Zinn,D. "Report on school language policy research". 2002.

Wright,LS

Wright,LS. "Shakespeare in South Africa: Alpha and Omega". White, R(eds) *Shakespeare, Local and Global*. Tasmania. 2002. (In Press).

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

i. Local Conferences (Within South Africa)

Probyn,MJ

Probyn,MJ. "Language and Learning in Some Eastern Cape Science Classrooms". *Southern African Applied Linguistics Association*. Pietermaritzburg. July 2002.

Rasana,C

Rasana,C. "The reading preferences of Grade 11 ESL learners in Grahamstown". *Southern African Applied Linguistics Association*. Pietermaritzburg. July 2002.

Wright,LS

Wright,LS. "Language as a Resource : The Economic Life of Language in a Globalising Society". *14th English Academy Conference 'Mother tongue, Other tongue' Law, Learning and Literature*. Pretoria. April 2002.

Wright,LS. "The Humanities and the Public Good". *Valuing and Re-valuing the Humanities*. Potchefstroom. September 2002.

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

ii. International Conferences (Outside South Africa)

Probyn,MJ

Probyn,MJ. "Language and learning in South African Science Classrooms". *American Association of Applied Linguistics*. Salt Lake City. USA. April 2002.

Probyn,MJ and van der Mescht,H. "Mentoring and Prospects for Teacher Development - a South African Perspective". *Second British Council Regional Mentor Conference*. Cluj-Napoca. Romania. April 2000. 99-111.

Wright,LS

Wright,LS. "Shakespeare in South Africa: Alpha and Omega". *The 7th Biennial Conference of the Australian and New Zealand Shakespeare Association*. Launceston. Tasmania. February 2002.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Mann,C

Mann,C. Festival of the Arts. "WordFest". WordFest. Rhodes University. Grahamstown. 28 June - 7 July 2002.

Wright,LS

Wright,LS. Public Lecture. "How Shakespeare came to South Africa". Shakespeare Memorial Lecture. Grahamstown. January 2002.

Wright,LS. Workshop organised by ISEA. Understanding teaching and learning in relation to language and Society. Rhodes University. Grahamstown. 11 - 13 July 2002.

Wright,LS. Workshop organised by the ISEA. Introducing genre-based curriculum and pedagogy. Rhodes University. Grahamstown. 11 November 2002.

Wright,LS. Public Lecture. "Yael Farber's *SeZaR: Interrogating South African Theatre*". Winter School Lecture, Festival of the Arts. Grahamstown.

DISTINGUISHED VISITORS

Mr A Akerman. Stage & Television Writer, Gauteng, Book Launch and Public Lecture. July 2002.

Ms N Balindlela. Dept. Arts & Culture, Eastern Cape, Bisho, To open WordFest. 2002.

Professor D Brutus. Pittsburgh University, Pittsburgh, USA. Participation in WordFest. 2002.

Dr A Childs. Oxford University, Oxford, UK. 2002.

Professor R Hasan. Macquarie University, Sydney, Australia. Delivered Regional Seminar on Systemic Functional Linguistics. 2002.

Professor J Martin. University of Sydney, Sydney, Australia. Delivered Regional Seminar on Systemic Functional Linguistics. 2002.

Ms G Mhlophe. Performance Story Teller and Author, Durban, Participation in WordFest. 2002.

Mr G Mona. Dept of Recreation, Sport, Arts and Culture, Bisho, Eastern Cape, Participation in WordFest. 2002.

Professor N Saule. UNISA, Pretoria, Participation in WordFest. 2002.

Ms J Suzman. Hon. Fellow of the Royal Shakespeare Co., London, UK. Participation in WordFest. 2002.

Professor H Thipa. University of Port Elizabeth, Port Elizabeth, Participation in WordFest. 2002.

Professor E Thumboo. Singapore University, Singapore, Participation in WordFest. 2002.

Mr R Tywakadi. Eastern Cape Department of Education, Eastern Cape, Curriculum Development. 2002.

SUBSIDY UNITS CLAIMED

| INSTITUTE FOR ENGLISH IN AFRICA | UNITS | IN PRESS | NON SAPSE |
|---|-------------|----------|-----------|
| Baxter,M | | | |
| <i>Baxter,M. "View from Greenacres Hospital". New Coin. 2001. 37(2),43-44.</i> | 1.00 | | |
| Mann,C | | | |
| <i>Mann,C. "Midlands Lexicon". English Academy Review. 2002. 18,191-191.</i> | 1.00 | | |
| <i>Mann,C. "The Ruin of Mandulwana". English Academy Review. 2002. 18,192-192.</i> | 1.00 | | |
| <i>Mann,C. "Nanagapoort Junction". English Academy Review. 2002. 18,193-193.</i> | 1.00 | | |
| <i>Mann,C. "Saying Goodbye to the Romans". English Academy Review. 2002. 18,194-196.</i> | 1.00 | | |
| <i>Mann,C. "Heraclitan Heresies". English Academy Review. 2002. 18,196-196.</i> | 1.00 | | |
| <i>Mann,C. "Kariega Metaphors". New Coin. 2002. 38(1),40-41.</i> | 1.00 | | |
| Probyn,MJ | | | |
| <i>Probyn,MJ, Murray,S, Botha,L, Brookes,M, Westphal,V and Botya,P. "Minding the gaps - an investigation into language policy and practice in four Eastern Cape districts". Perspectives in Education. 2002. 20(1),29-46.</i> | 0.17 | | |
| Wright,LS | | | |
| <i>Wright,LS. "Guy Butler". Current Writing. 2001. 13(1),1-6.</i> | 1.00 | | |
| <i>Wright,LS and Mann,B. "Ariel in Africa: Leslie French and the Port Elizabeth Shakespearean Festival". Shakespeare in Southern Africa. 2001. 13,93-99.</i> | 0.50 | | |
| TOTAL FOR INSTITUTE FOR ENGLISH IN AFRICA | 8.67 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH (GRAHAMSTOWN)

In 2002, ISER completed three years of research inquiring into youth development in Grahamstown. The final report was presented to citizens in popular and user-friendly form. Local organisations of Grahamstown received complimentary copies of the final report: 'Growing up in Grahamstown East'. ISER co-edited a volume in Kluwer's Social Indicators Research Series on state of the art assessments of quality of life studies to guide national policy. The South African case study in the volume inquired into how quality-of-life studies play an important role in managing change in democracy.

Herman Timmerman's co-authored book, 'From Conflict to Negotiation' on nature-based development on the Wild Coast, was on display at the World Summit on Sustainable Development in Johannesburg. His poster on the impact of globalisation on the management of natural resources in the Eastern Cape was awarded second prize at an international conference on the study of common property held in Victoria Falls. Herman Timmermans and Michelle Cocks presented aspects of their work on natural resource use at the Third Natural Forests and Savanna Woodlands Symposium in the Kruger National Park. Director Valerie Møller presented a paper on the perceptions of everyday quality of life and job prospects for Grahamstown youth at an international quality of life conference in Marseille, France. Michelle Cocks was awarded an international scholarship to pursue her doctoral studies on sustainable use of natural resources through Wageningen University in the Netherlands.

Colleagues bade farewell to Cecil Wele Manona, who had served Rhodes University for 27 years. A scholarship in honour of Dr Manona's career in research and teaching was launched to assist young black graduates to follow in his footsteps.

PROFESSOR V. MØLLER
DIRECTOR

BOOKS/CHAPTERS/MONOGRAPHS

Cocks,ML

Cocks,ML, Dold,AP and Grundy,IM. "The medicinal plant trade in the Eastern Cape Province of South Africa". In: Lawes,M, Eeeley,H, Schackleton,C and Geach, B(eds) *The use and socio-economic value of Indigenous Forests and Woodland resources in South Africa.* University of Natal. Pietermaritzburg. 2002. (In Press).

White,RM, *Cocks,ML, Herbert,DG and Hamer,ML.* "Traditional medicine: the use of products from forest-dwelling animals in southern Africa". In: Lawes,M, Eeeley,H, Shackleton,C and Geach, B(eds) *The Use and Socio-Economic Value of Indigenous Forest and Woodland Resources in South Africa in South Africa.* 2002. (In Press).

Møller,V

Devey,R and *Møller,V.* "Closing the gap between rich and poor in South Africa: Trends in objective and subjective indicators of quality of life in the October Household Survey". In: Glatzer, W(eds) *Rich and Poor: Disparities, perceptions, concomitants.* Kluwer Academic Publishers. Dordrecht. 2002. 105-122.

Hagerty,M, Vogel,J and *Møller,V.* *Assessing Quality of Life and Living Conditions to Guide National Policy: The state of the art.* Kluwer Academic Publishers. Dordrecht. 2002. 441 pp.

Møller,V and Dickrow,H. "The role of quality of life surveys in managing change in democratic transitions: The South African case". In: Hagerty,M, Vogel,J and Moller, V(eds) *Assessing Quality of Life and Living Conditions to Guide National Policy: The state of the art.* Kluwer Academic Publishers. Dordrecht. 2002. 267-292.

Møller,V and Soshongaye,A. "They don't listen':Contemporary respect relations between Zulu grandmothers and grandchildren". In: Makoni,S and Stroeken, K(eds) *Ageing in Africa: Sociolinguistic and anthropological approaches.* Ashgate. United Kingdom. 2002. (9), 203-225.

Timmermans,H

Timmermans,H. "Natural Resource Use at Dwesa-Cwebe". In: Palmer,R, Timmermans,H and Fay, D(eds) *From Conflict to Negotiation. Nature-Based Development on the South African Wild Coast Wild Coast.* Human Sciences Research Council. Pretoria. 2002. (3), 173-198.

Fay,D, *Timmermans,H and Palmer,RCG.* "Closing the Forests: Segregation, Exclusion and their Consequences from 1936 to 1994". In: Palmer,RCG, Timmermans,H and Fay, D(eds) *From conflict to negotiation: Nature-based development on South Africa's Wild Coast.* HSRC. Pretoria. First Edition. 2002. 77-109.

Fay,D, *Timmermans,H* and *Palmer,RCG*. "Closing the Forests: Segregation, Exclusion and their Consequences from 1936 to 1994". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 78-110.

Fay,D, *Timmermans,H* and *Palmer,RCG*. "Competing for the Forests: Annexation, Demarcation and their Consequences from 1878 to 1936". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 47-76.

Fay,D, *Timmermans,H* and *Palmer,RCG*. "Competing for the Forests: Annexation, Demarcation and their Consequences from 1878 to 1936". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 48-77.

Palmer,RCG, Fay,D and *Timmermans,H*. "Introduction". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002.

Palmer,RCG, Fay,D, *Timmermans,H* and *Fabricius,C*. "A Development vision for Dwesa-Cwebe". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 270-303.

Palmer,RCG, Fay,D, *Timmermans,H* and *Fabricius,C*. "A Development vision for Dwesa-Cwebe". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 272-305.

Palmer,RCG, Fay,D, *Timmermans,H*, Lewis,F and Viljoen,J. "Regaining the forests: Reform and development from 1994 to 1999". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 110-143.

Palmer,RCG, Fay,D, *Timmermans,H*, Lewis,F and Viljoen,J. "Regaining the forests: Reform and development from 1994 to 1999". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 111-145.

Palmer,RCG and *Timmermans,H*. "Conclusion". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. First Edition. 2002. 304-309.

Palmer,RCG and *Timmermans,H*. "Conclusion". In: Palmer,RCG, Timmermans,H and Fay, D(eds) From conflict to negotiation: Nature-based development on South Africa's Wild Coast. HSRC. Pretoria. Second Edition. 2002. 306-311.

Timmermans,H and Naicker,K. "The Land". In: Palmer,R, Timmermans,H and Fay, D(eds) From Conflict to Negotiation. Nature-Based Development on the South African Wild Coast Wild Coast. Human Sciences Research Council. Pretoria. 2002. (1), 2-14.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Cocks,ML

Cocks,ML and *Dold,AP*. "The informal trade of medicinal plants in the Eastern Cape Province, South Africa". *South African Journal of Science*. 2002. 98(11-12),589-598.

Cocks,ML and *Wiersum,KF*. "The significance of biodiversity to rural households in Eastern Cape Province of South Africa". *Forest, Trees and Livelihoods*. 2002. (In Press).

Cocks,ML and Møller,V

Cocks,ML and *Møller,V*. "Use of indigenous and indigenised medicines to enhance personal well-being : A South African case study". *Social Science and Medicine*. 2002. 54(3),387-397.

Møller,V

Dickow,H and *Møller,V*. "South Africa's 'rainbow people', national pride and optimism: A trend study". *Social Indicators Research*. 2002. 59(2),175-202.

Møller,V and *Dickow,H*. "The role of quality of life surveys in managing change in democratic transitions: The South African case". *Social Indicators Research*. 2002. 58,267-292.

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

i. Local Conferences (Within South Africa)

Cocks,ML

Grundy,IM and Cocks,ML. "Community use and management of woody vegetation in the Eastern Cape, South Africa". *Natural Forests and Woodlands Symposium III*. Berg-en-dal Camp, Kruger National Park. May 2002.

White,RM and Cocks,ML. "The trade in forest and woodland fauna for traditional medicine in the Eastern Cape". *Natural Forests and Woodlands Symposium III*. Berg-en-dal Camp, Kruger National Park. May 2002.

Huschka,D

Huschka,D. "Quality of life as a multidimensional approach to evaluating social development". *Department of Sociology workshop*. University of Transkei, Umtata. March 2002.

Huschka,D. *Statistics South Africa conference on identifying indicators for the National Statistics System to monitor national development plans*. Cape Town. April 2002.

Møller,V

Møller,V. *Statistics South Africa conference on identifying indicators for the National Statistics System to monitor national development plans*. Cape Town. April 2002.

Møller,V and Huschka,D

Møller,V and Huschka,D. "A changing living conditions module for South Africa". *Statistics South Africa workshop on social indicators*. Pretoria. April 2002.

Møller,V and Huschka,D. "Applying subjective and objective indicators to assess the impact of national policies and programmes on citizen quality of life". *Workshop on Monitoring and Evaluation of Public Policy*. HSRC, Centurion. October 2002.

Seti,S

Seti,S. "Research Methodology Masifunde Education and Development Project". *Workshop on Strategic Outcomes and CDC Evaluation*. Stone Crescent Hotel, Grahamstown. November 2002.

Timmermans,H

Timmermans,H and Rouhani,Q. "Multiple-Use Management of Natural Resources on State Forest Land in Centane and Willowvale, Eastern Cape". *Natural Forests and Woodlands Symposium III*. Berg-en-dal Camp, Kruger National Park. May 2002.

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

ii. International Conferences (Outside South Africa)

Cocks,ML

Cocks,ML and Dold,AP. "The informal trade of *Cassipourea flanaganii* as a cosmetic in South Africa". *International Congress of Ethnobiology*. University of Georgia, Georgia. September 2002. 412-427.

Kaehler,S, McQuaid,CD and Cocks,ML. "Sustainable utilisation of coastal living resources along the south coast of South Africa". *Southern African Marine Science Symposium*. Swakopmund. Namibia. 2002.

Møller,V

Møller,V. *Conference on Dialogue of Cultures*. Universite Saint-Esprit de Kaslik, Beirut. Lebanon. February 2002.

Møller,V. "Perceptions of everyday quality of life and employment opportunities among South African youth: A Grahamstown East/Rini case study". *14th Scientific Meeting of the Societe d'Ecologie Humaine*. Universite de Provence, Marseille. France. July 2002.

Møller,V and Huschka,D

Møller,V and Huschka,D. "Taking stock of change under democracy: South Africa's 'Euromodule' project". Euromodule workshop. Social Science Research Centre, Berlin. Germany. October 2002.

Timmermans,H

Timmermans,H. "The Impacts of Globalisation on Natural Resource Use in Centane and Willowvale Districts, Eastern Cape Province, South Africa". The 9th Biennial Conference of the IASCP: The Commons in an Age of Globalisation. Victoria Falls. Zimbabwe. June 2002.

DISTINGUISHED VISITORS

Dr A Barrientos and Ms Legido-Quigley,H. University of Manchester, Manchester, UK. Discussions and field visit. May 2002.

Dr J Delhey. Social Science Research Centre, Berlin, Germany. Seminar. April 2002.

Dr I Grundy. University of Stellenbosch, Stellenbosch, Discussions and fieldwork. August 2002.

Mr D Huschka. Social Science Research Centre, Berlin, Germany. Researcher. January to November 2002.

Mr L Lalendle. University of Michigan State, Michigan, USA. Discussions. May 2002.

Dr J Lawley. Director of The Royal African Society, London, UK. Seminar. November 2002.

Professor P McAllister. Department of Sociology and Anthropology, U, Christchurch, New Zealand. Discussions. September 2002.

Professor J Parpart. History Department at the University of Dalhousie, Canada. Discussions. April 2002.

Dr R Ross. University of Leiden, Leiden, The Netherlands. Visualising Hidden Histories Project. August 2002.

Dr T Shaw. Commonwealth Institute, London, UK. Discussions. April 2002.

Dr F Wiersum. Forest and Nature Conservation Policy Group, Wageningen University, The Netherlands. Discussions and Seminar. November 2002.

SUBSIDY UNITS CLAIMED

| INSTITUTE FOR SOCIAL AND ECONOMIC RESEARCH | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Cocks,ML | | | |
| <i>Cocks,ML and Dold,AP. "The informal trade of medicinal plants in the Eastern Cape Province, South Africa". South African Journal of Science. 2002. 98(11-12),589-598.</i> | 0.50 | | |
| <i>Cocks,ML and Wiersum,KF. "The significance of biodiversity to rural households in Eastern Cape Province of South Africa". Forest, Trees and Livelihoods. 2002. (In Press).</i> | 0.50 | Y | Y |
| Cocks,ML and Møller,V | | | |
| <i>Cocks,ML and Møller,V. "Use of indigenous and indigenised medicines to enhance personal well-being : A South African case study". Social Science and Medicine. 2002. 54(3),387-397.</i> | 1.00 | | |
| Møller,V | | | |
| <i>Dickow,H and Møller,V. "South Africa's 'rainbow people', national pride and optimism: A trend study". Social Indicators Research. 2002. 59(2),175-202.</i> | 0.50 | | |
| <i>Møller,V and Dickow,H. "The role of quality of life surveys in managing change in democratic transitions: The South African case". Social Indicators Research. 2002. 58,267-292.</i> | 0.50 | | |
| TOTAL FOR INSTITUTE FOR SOCIAL AND ECONOMIC RESEARCH | 3.00 | | |
| TOTAL IN PRESS | 0.50 | | |
| TOTAL NON SAPSE | 0.50 | | |

INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH (EAST LONDON)

A highlight for ISER East London for 2002 was the publication and distribution of the results of a comprehensive Quality of Life survey conducted amongst over 2500 households in Buffalo City. This was the first socio-economic indicator project using quality of life methods ever undertaken in the city and has provided valuable data, which is being extensively used in current planning and development initiatives in the city. The project also fulfilled its commitment to providing academic research to the public through the conversion of the project's technical reports into an accessible popular booklet summarising the key findings, which was distributed to thousands of citizens in the city.

During 2002, the ISER East London also completed a long-term and important qualitative study into issues of social and cultural change and identity formation amongst East London's township residents. This project was conceptualised as a restudy of the well-known anthropological research published as the *Xhosa in Town Trilogy* in the 1960s. The ISER project set out to update and reanalyse this work in view of current political and economic changes in the city. The research outputs relating to this project during 2002 included a series of published academic articles, as well as the successful completion of research dissertations.

The ISER made significant progress on its public history and social transformation project entitled Visualising Hidden Histories. The project involves the collection of visual and oral histories amongst forcibly removed urban communities. In May 2002, a successful workshop was organized around the formation of a Community Museum and in June, members from this project travelled to the Netherlands to discuss a research partnership with the Volkekunde Museum in Leiden. In addition, project researchers constructed a travelling schools exhibition of photographic material from the project, which was put on display in a range of township schools in the East London area.

In terms of the ISER's engagement with rural communities, a research team was assembled to support the Border Rural Committee in undertaking research for a precedent setting restitution case related to agricultural betterment in the Eastern Cape. The research involved a detailed analysis of the social and economic impact of betterment in a number of different communities in the Keiskammerhoek and Middledrift areas to assist these communities with land restitution claims. The research forms part of an advocacy programme initiated by the BRC, which seeks to ensure that rural communities negatively affected by apartheid policies in the Eastern Cape receive a larger share of government development funding.

MR. L. BANK

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Bank,L

Bank,L. "Beyond Red and School: Gender, Tradition and Identity in the Rural Eastern Cape". Journal of Southern African Studies. 2002. 28(3),631-649.

Bank,L. "Homemade Ethnography: Xhosa in Town Revisited". Kronos: Journal of Cape History. 2002. 28,83-101.

OTHER PUBLICATIONS

Richards,R

Richards,R. "Monitoring Poverty and Inequality in Buffalo City". Indicator South Africa. South Africa. 2002. 19(2), 63-69.

Richards,R and Hollands,G. "Buffalo City - a serious first effort at IDP's". Local Government Transformer. East London. 2002. 8(3), 2-4.

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

i. Local Conferences (Within South Africa)

Bank,L

Bank,L. "From Urban Anthropology to Anthropology of Urbanism". Anthropologists of Southern Africa Conference. Rhodes University, Grahamstown. September 2002.

Bank,L. "Poverty, Livelihoods and Development: Critical Perspectives". Afesis-Corplan 10th Anniversary. Health Resource Centre, East London. October 2002.

Hoskins,S, Haines,R and *Bank,L*. "The Defence Offsets and Regional Development in South Africa". *International Conference on Defence Offsets and Economic Development*. Breakwater Lodge, Cape Town. September 2002.

Richards,R

Richards,R. "Promoting Citizenship through participative planning in Buffalo City: Quality of life findings in the new municipal entity". *Southern African Sociological Association 2002 Congress*. Regent Hotel, East London. June/July 2002.

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

ii. International Conferences (Outside South Africa)

Bank,L

Bank,L. "Archiving Visual Histories". *Researching Africa Day*. St Anthony's College, Oxford. England. June 2002.

Bank,L. "Representing South African Hidden Histories". *Heritage in Transition Week*. Rijksmuseum voor Volkekunde, Leiden. The Netherlands. June 2002.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Bank,L

Bank,L, Nicholas,A and Qamarwana,M. Lecture. "*Beyond Restitution: Exploring Hidden Heritages*". ISER Workshop. Rhodes University. East London. 25 May 2002.

Richards,R

Richards,R. Lecture. "*From Anecdotes to Indicators - Developing a data platform for more effective strategic planning of our cities: the Buffalo City case*". Academic Development Centre Lunch Time Lecture series. Rhodes University. East London. July 2002.

Richards,R and Kamman,E. Lecture. "*Quality of Life in Buffalo City - A Baseline socio-economic Survey for Buffalo City: lessons for cities and towns in the Eastern Cape*". Seminar Series. Rhodes University. Grahamstown. October 2002.

SUBSIDY UNITS CLAIMED

| INSTITUTE FOR SOCIAL AND ECONOMIC RESEARCH (East London) | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Bank,L | | | |
| <i>Bank,L</i> . "Beyond Red and School: Gender, Tradition and Identity in the Rural Eastern Cape". <i>Journal of Southern African Studies</i> . 2002. 28(3),631-649. | 1.00 | | |
| <i>Bank,L</i> . "Homemade Ethnography: Xhosa in Town Revisited". <i>Kronos: Journal of Cape History</i> . 2002. 28,83-101. | 1.00 | | |
| TOTAL FOR INSTITUTE FOR SOCIAL AND ECONOMIC RESEARCH (East London) | 2.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

INSTITUTE FOR WATER RESEARCH

2002 has been characterized by general progress in all aspects of the Institute's research – hydrological modelling, ecological studies of rivers, water quality and ecotoxicology, social aspects of water use, and a new initiative in wetland research. There have also been a number of highlights to the year: Tally Palmer has been recognized in two ways by the Minister of Water Affairs and Forestry for the dedicated contributions that she has made to environmental water policy and research over the past decade. She was chosen as one of the Women in Water for 2002 and attended a banquet in Pretoria in June at which the Minister congratulated her and presented her with her award. She was then contacted personally by the Minister in July to ask her to serve as Deputy Chair of the Water Research Commission.

In March this year we were invited by UNILEVER to submit a proposal for a major sponsorship of the Institute. UNILEVER decided that they would increase their involvement with the Institute's toxicology centre which most closely matches the profile of their company, and the UNILEVER Centre for Environmental Water Quality was created at the end of the year.

Lil Haigh's vision and persistence have come to fruition with the formation of a new Wetlands Group within the Institute. The new venture will not replace the community education programme which will continue alongside the wetlands projects.

In addition to the ongoing development of applied ecohydrology, in March 2002 Denis Hughes was the chairperson of the local organizing committee of the fourth international conference on FRIEND in Cape Town

In November Jay O'Keeffe was invited to deliver the opening keynote address to the Australian national conference entitled "Sustaining our Aquatic Environments – Implementing Solutions". He was also invited to contribute 2 chapters to the Australian national review of environmental water allocation. Five members of the Institute presented papers at the international conference on Environmental Flows for River Systems in Cape Town in March. As a result of this conference Tally Palmer was invited to South Korea to deliver a series of lectures on ecological toxicology. Jay O'Keeffe was invited to attend an international conference on the ecology and management of savanna heterogeneity in the Kruger National Park in April, and to present one paper and co-author one other. Nikite Muller presented a paper at an international conference on ecotoxicology and environmental chemistry – INTERACT 2002, in Australia in July.

Apart from these highlights, the three main spheres of the Institute's activity, research, teaching and consultancy, have all been pursued energetically: 6 WRC and 2 DWAF research projects are being addressed; approximately 30 consultancies have been undertaken; Heather Davies-Coleman was awarded her PhD, Malixole Soviti was awarded his MSc, 5 other MSc and PhD students, and 1 Honours student are being supervised by members of the Institute. A total of 183 hours of undergraduate lecturing and field trips has been undertaken by Institute staff in the Departments of Zoology and Entomology, Geography and Environmental Science. Members of the Institute at Rhodes have published 4 papers in refereed journals, written 1 Hand Book, 5 reports and made 12 conference presentations.

PROFESSOR J. O'KEEFE
DIRECTOR

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Hughes,DA

Hughes,DA. "Issues in Contemporary Geographical Hydrology". *South African Geographical Journal*. 2002. 1(84),139-144.

Wilk,J and Hughes,DA. "Calibrating a rainfall-runoff model for a catchment with limited data". *Hydrological Sciences Journal*. 2002. 1(47),3-17.

Wilk,J and Hughes,DA. "Simulating the impacts of land use and climate change on water resources availability for a large south Indian catchment". *South African Geographical Journal*. 2002. 1(47),19-30.

Scherman,P-A

Villet,MH, Everitt,V and Scherman,P-A. "The toxicity of zinc to a selected macroinvertebrate, *Adenophlebia auriculata* (Ephemeroptera: Leptophlebiidae): Method development". *South African Journal of Aquatic Sciences*. 2002. 27(1),31-38.

OTHER PUBLICATIONS

Palmer,CG and Muller,WJ

Palmer,CG and Muller,WJ. "The use of *Daphnia spp.* and indigenous river invertebrates in whole effluent toxicity testing in the Vaal River catchment". Water Research Commission No. 815/1/02. Water Research Commission. Pretoria. 2002.

Palmer,CG, Muller,WJ and Scherman,P-A

Palmer,CG, Berold,R, Muller,WJ and Scherman,P-A. "Some for All Forever Water Ecosystems and People". Berold, R(ed) Water Research Commission TT 176/02. Water Research Commission. Pretoria. 2002. 1-65.

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

i. Local Conferences (Within South Africa)

Haigh,EH

Illgner,PM and Haigh,EH. "The rehabilitation of a small upper-catchment seep/wetland of the Kowie River in the Eastern Cape Province". *SASAQS Conference*. University of Free State, Bloemfontein. July 2002.

Haigh,EH and Illgner,PM

Haigh,EH, Illgner,PM and Grundling,P-L. "The impact of catchment processes and events on the Kromme River Peat Basin". *SASAQS Conference*. University of Free State, Bloemfontein. July 2002.

Hughes,DA

Hughes,DA. "The development of an information modelling system for regional water resource assessments". *Proceedings of the 4th International Conference on Friend*. Cape Town. 2002. 274. 43-49.

Hughes,DA, Gorgens,A, Middleton,B and Hollingworth,B. "Regional water resource assessments in the SADC region". *Proceedings of the 4th International Conference on Friend*. Cape Town. 2002. 274. 11-18.

O'Keeffe,JH and Hughes,DA

O'Keeffe,JH, Hughes,DA and Tharme,R. "Linking ecological responses to altered flows for use in environmental flow assessments the flow stressor-response method". *Proceedings of the International Association of Theoretical and Applied Limnology*. 2002. 28. 84-89.

Palmer,CG

Palmer,CG. "The role of environmental water quality in sustainable water resource use". *World Summit on Sustainable Development*. Rhodes University, Grahamstown. 2002.

Palmer,CG. "Integrated environmental water quality research-salinity and the ecological Reserve". *Eskom-TESP Technology transfer conference*. Megawatt Park, Johannesburg. 2002.

Palmer,CG and Rowston,WS. "Processes in the development of resource protection provisions in the South African water law Environmental flows for River Systems". *4th International Ecohydraulics Symposium*. Cape Town. March 2002.

Palmer,CG, Scherman,P-A and Muller,WJ

Palmer,CG, Rossouw,N, Scherman,P-A and Muller,WJ. "The development of methods to integrate water quality into riverine environmental flow assessments". *Environmental flows for River Systems. 4th International Ecohydraulics*. Cape Town. March 2002.

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

ii. International Conferences (Outside South Africa)

Muller,WJ and Palmer,CG

Muller,WJ and Palmer,CG. "A potential new indigenous test species for regulatory aquatic toxicity testing in South Africa: Comparing *D.pulex* and *C.niloticaneonates*". *Proceedings of Interact 2002: a joint symposium of the Royal Australian Chemical Institute, Australasian Society of Ecotoxicology and the International Chemometrics Society*. Royal Australian Chemical Institute, Sydney. Australia. July 2002. 21-25.

Palmer,CG

Palmer,CG, Jang,S, Choi, and Shim,M. "Integrating flow, river structure and water quality in setting goals for river health". Conference of Korean Water Resources Association. Daejon. Korea. May 2002.

Palmer,CG and Haigh,EH

Palmer,CG, Uys,M, Ruiters,C, Dini,J, Haigh,EH, Grundling,PL and Illgner,PM. "The emerging field of river and wetland rehabilitation". Conference of the Korean Water Resource Association. Daejon. Korea. May 2002.

SUBSIDY UNITS CLAIMED

| INSTITUTE FOR WATER RESEARCH | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Hughes,DA | | | |
| <i>Hughes,DA. "Issues in Contemporary Geographical Hydrology". South African Geographical Journal. 2002. 1(84),139-144.</i> | 1.00 | | |
| <i>Wilk,J and Hughes,DA. "Calibrating a rainfall-runoff model for a catchment with limited data". Hydrological Sciences Journal. 2002. 1(47),3-17.</i> | 0.50 | | |
| <i>Wilk,J and Hughes,DA. "Simulating the impacts of land use and climate change on water resources availability for a large south Indian catchment". South African Geographical Journal. 2002. 1(47),19-30.</i> | 0.50 | | |
| Scherman,P-A | | | |
| <i>Villet,MH, Everitt,V and Scherman,P-A. "The toxicity of zinc to a selected macroinvertebrate, Adenophlebia auriculata (Ephemeroptera: Leptophlebiidae): Method development". South African Journal of Aquatic Sciences. 2002. 27(1),31-38.</i> | 0.33 | | |
| TOTAL FOR INSTITUTE FOR WATER RESEARCH | 2.33 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

JOURNALISM AND MEDIA STUDIES

Of the 15 full-time staff employed in the Department, 6 were dedicated primarily to the teaching of media theory (which forms the academic component of the degree) and 9 to the teaching of primarily production-based courses (television, radio, print, new media, photojournalism, design). The research output figures indicate that staff teaching media theory were responsible for the book chapters and journal publications while the outputs of the production teachers were reflected in the category of 'concerts, exhibitions, performances and workshops'.

Year highlights include:

- Staff in the department produced a special edition of the *Rhodes Journalism Review* on Reporting the World Summit on Sustainable Development in August 2002. The department received accreditation from the United Nations to distribute this at the Sandton Convention Centre in Johannesburg to media covering the event to delegates. *Review* was one of only 10 media publications in the world so accredited. *Review* was edited by Anthea Garman and designed by Brian Garman and Jeanne Moys.
- More than three hours of documentaries about local residents and visiting actors was produced during the National Arts Festival. This was based on an international collaboration between 13 department staff and students and 18 of their counterparts at the University of North Carolina. The results of this collaboration can be seen at <http://www.alivingstage.org>
- Nixon Kariithi convened the third African Economics Editors' Conference. It was held in Johannesburg and was attended by editors and media professionals from nearly 40 African countries. The theme was 'Reporting Africa in the Age of Globalisation'. Major institutional partners included the World Bank Institute, the United Nations Economic Commission for Africa, South Africa's Department of Trade and Industry, Industrial Development Corporation, AngloAmerican Corporation, Telkom, Sassol, Sappi, De Beers and the Standard Bank Group.
- Four members of staff completed higher degrees – 2 MA's and 2 Doctorates.
- Lynette Steenveld presented the Keynote address at the International Research Seminar on the Political Economy of the Southern African Media held in Durban. The address was later published in a leading South African media studies journal, *Communicatio*.
- Douglas Mitchell and Michael Drewett (Sociology Department) completed a documentary video funded by Freemuse, the Danish-based organisation which fights the censorship of musicians worldwide. The production focussed on the relationship between well-known South African musician Roger Lucy and the security branch policeman assigned to end his career in the 1980s. The documentary has been shown at a number of overseas film and video festivals.

Larry Strelitz is involved in a two-year research project with Thomas Tufte from Copenhagen University. The project examines the role played by media in HIV/AIDS communication and prevention and is funded by the Danida, the Danish funding agency.

PROFESSOR L. STRELITZ
HEAD OF RESEARCH

BOOKS/CHAPTERS/MONOGRAPHS

Kariithi,N

Kariithi,N. "Economics and business journalism". In: Johnston, D(eds) *Encyclopaedia of International Media and Communications*. Academic Press. San Francisco. 2002. (In Press).

Kariithi,N. "Television in South Africa". In: Newcomb and Horace (eds) *The Encyclopaedia of Television*. Fitzroy Dearborn Publishers. Chicago. Second Edition. 2002. (In Press).

Kariithi,N. "Television in Sub-Saharan Africa". In: Newcomb and Horace (eds) *The Encyclopaedia of Television*. Fitzroy Dearborn Publishers. Chicago. Second Edition. 2002. (In Press).

Kariithi,N. "Television in Kenya". In: Newcomb and Horace (eds) *The Encyclopaedia of Television*. Fitzroy Dearborn Publishers. Chicago. Second Edition. 2002. (In Press).

Strelitz,L

Strelitz,L. "The 'Homeland' Students Identity Formation and Cultural Consumption". In: Tufte, T(eds) *Global Encounters*. University of Luton Press. Luton. 2002. 151-172.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Berger,G

Berger,G. "Problematising Race for Journalists: Critical reflections on the South African Human Rights Commission Inquiry into Media Racism". *Critical Arts*. 2002. 15(1,2),69-96.

Berger,G. "Seeing past race: Politics of the HRC's inquiry into racial representation". *Ecquid Novi*. 2002. 23(2),254-277.

Prinsloo,J

Prinsloo,J. "Critical literacy in South Africa: Possibilities and constraints in 2002". *English Teaching: Practice and Critique, Online Journal*. 2002. 1(1),20-38.

Steenveld,L

Steenveld,L. "Transforming the media: A cultural approach". *Communicatio*. 2002. 28(2),63-74.

Strelitz,L

Strelitz,L. "Media consumption and identity formation". *Media Culture and Society*. 2002. 24(4),459-480.

OTHER PUBLICATIONS

Cooper,M

Cooper,M. "War and violence in photojournalism in the SADC region". Misa Namibia. Misanet. Namibia. 2002.

Garman,A

Garman,A. "Churches and ghosts, honey beer and battlefields". *Icon*. 2002. 2, 107-112.

Garman,A. "The Architecture of the Page". *Mail & Guardian*. South Africa. 2002. (Friday 15 to 21 March 2002).

Garman,A (eds). *Rhodes Journalism Review*. Rhodes University. Grahamstown. 2002.

Kariithi,N

Kariithi,N. "The Rand crisis: When a policy crisis becomes a media crisis". *Intermedia*. 2002. 30(3).

Kariithi,N. "Economics and business journalism in Africa". *Nieman Reports*. 2002. 56(2).

Steenveld,L

Steenveld,L. "Training for Media Transformation and Democracy". Steenveld, L(eds) *Training for Media Transformation and Democracy*. South Africa National Editors Forum and Independent Newspapers Chair of Media Transformation. 2002.

Steenveld,L. "Journalists and academics... the broken thread". *Training for Media Transformation and Democracy*. 2002.

Steenveld,L. "The university-industry connection". *Training for Media Transformation and Democracy*. 2002.

Vermeulen,L

Vermeulen,L. "Putting technology to the test". Jones, D(eds) *AV Specialist*. Doddington Direct. Johannesburg. 2002. 67(July/August 2002), 60-63.

Vermeulen,L. "Mission Antarctica". Jones, D(eds) *AV Specialist*. Doddington Direct. Johannesburg. 2002. 68(September/October).

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

i. Local Conferences (Within South Africa)

Berger,G

Berger,G. "More media for southern Africa? The place of politics economics and convergence in developing media density". *Convergence: technology, culture and social impacts*. University of Natal, Durban. May 2002.

Berger,G. "Taking cyberjournalism seriously: milking the medium". *Highway Africa*. Nemisa, Johannesburg. August 2002.

Berger,G. "New media and development: learning from whence we came". *Highway Africa*. Nemisa (National Electronic Media Institute of South Africa), Johannesburg. August 2002.

Berger,G. "All change: Environmental journalism meets the 21st century". *International Institute for Communication seminar; 'Broadcasting and the environment'*. Sandton Sun and Towers, Johannesburg. September 2002.

Berger,G. "Hanging in and holding out: The struggles of Southern African websites to ensure the place of African content in global cyberspace". *International Institute for Communication conference, 'Global forces, local fundamentals' Communications Investment for Converging Communities*. Sandton Sun and Towers, Johannesburg. September 2002.

Berger,G. *South African National Editors Forum Skills Indaba*. Devondale Golf and Country Estate, Stellenbosch. September 2002.

Berger,G. *Third African Economics Editors Conference*. Rosebank Hotel, Johannesburg. October 2002.

Cooper,M

Cooper,M. *Trauma conference for journalists*. Cape Town. 2002.

Garman,A

Garman,A. *4th International Design Indaba*. Nico Malan Theatre, Cape Town. February 2002.

Garman,A. *Gender Advocacy Programme Conference on Women's Representation in Government*. Protea Hotel, Sea Point, Cape Town. March 2002.

Garman,B

Garman,B. *International Design Indaba*. Nico Malan Theatre, Cape Town. February 2002.

Kariithi,N

Kariithi,N. *Indian Ocean Rim conference on Parliament and the media (Director and rapporteur)*. Parliament, Cape Town. April 2002.

Kariithi,N. "Harnessing Internet resources for African economics journalists". *33rd conference of the International Institute of Communications*. Sandton International Convention Centre, Johannesburg. October 2002.

Kariithi,N. "Journalism training in Africa: A framework for partnership between media, state and society". *NEPAD Communications and outreach conference*. Sandton International Convention Centre, Johannesburg. November 2002.

Moys,JL

Moys,JL. *International Design Indaba*. Nico Malan Theatre, Cape Town. February 2002.

Prinsloo,J

Prinsloo,J. "Examining the examination: The worlding of the Matriculation examinations for Afrikaans, English and isiZulu in the province of KwaZulu-Natal". *SAALT 30th National Conference*. University of Natal, Durban. July 2002.

Steenveld,L

Steenveld,L. "Transforming the media: A cultural approach". *University of Natal, Independent Newspapers Prestigious Lecture on Media Freedom*. University of Natal, Durban. 2002.

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

ii. International Conferences (Outside South Africa)

Berger,G

Berger,G. *International Roundtable on Journalism and Freedom of Expression. Building civil society with sustainable media: Models and options*. Bali Hyatt Hotel, Bali. Indonesia. September 2002.

Berger,G. *Managing media in times of recession: Finding solutions for Africa*. Maritim Hotel, Mauritius. November 2002.

Knight,M

Knight,M. Esri GIS Conference. San Diego Conference Centre, San Diego. USA. July 2002.

Moys,JL

Moys,JL. SIGRAD Conference. Norrkoping Campus, Linkoping University, Linkoping. Sweden. December 2002.

Strelitz,L

Strelitz,L. "Global media and symbolic distancing". 25th Annual Conference of the African Studies Association of Australasia and the Pacific on 'Africa Confronting Globalisation'. Macquarie University, Sydney. Australia. October 2002.

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

Amner,R. Editorial board member. "Rhodes Journalism Review". Rhodes University. Grahamstown. 1 January - 1 December 2002.

Amner,R. Trainer. "Training workshops for Steve Biko Media Week". Steve Biko Media Week. Rhodes University. Grahamstown. 16 - 17 March 2002.

Amner,R. Co-ordinator. "Grab media training programme". Grab. Nolutando High School, Mahlasela High School. Grahamstown. 1 April - 1 September 2002.

Amner,R. Co-ordinator. "It's Your Cue". It's Your Cue. Rhodes University. Grahamstown. 13 - 14 July 2002.

Berger,G

Berger,G. Presenter and adjudicator. "Celebrating journalism". Mondi Paper Newspaper Journalism competition. Sandton Convention Centre. Johannesburg. 13 March 2002.

Berger,G. Presenter. "Building effective media liaison in the public sector". Presentation to Gauteng legislature. Magalies Park Country Club. Stellenbosch. 25 - 26 July 2002.

Berger,G. "Submission by SA National Editors Forum to the Parliamentary Committee on communications about the Media Development and Diversity Agency Bill". Parliament. Cape Town.

Cooper,M

Cooper,M. Consultant. "Netherlands Institute for South Africa (NIZA) partner meetings". Cape Town. March 2002.

Cooper,M. Consultant. "Netherlands Institute for South Africa (NIZA) partner meetings". Windhoek, Namibia. October 2002.

Cooper,M. Committee member. "Southern African Media Trainers Network (SAMTRAN) steering committee meetings". Windhoek, Namibia. November 2002.

Cooper,M. Committee member. "SAMTRAN steering committee meetings". Johannesburg. November 2002.

Cooper,M. Committee member. "SAMTRAN steering committee meetings". Maputo, Mozambique. December 2002.

Garman,A

Garman,A. Attendee. "NIZA Southern African Experts Workshop". St George's Hotel. Cape Town. 4 - 8 March 2002.

Kariithi,N

Kariithi,N. Trainer. "African Economics Editors workshops". Johannesburg. 21 - 26 October 2002.

Kariithi,N. Organiser. "Third African Economics Editor Conference". Rosebank Hotel. Johannesburg. 27 - 31 October 2002.

Kariithi,N. "Postgraduate certificate in Economics Journalism (PGCertEJ)".

Knight,M

Knight,M. Organiser. "Highway Africa conference". Nemisa. Johannesburg. 21 - 23 August 2002.

Mitchell,D

Mitchell,D. Director. *"Stopping the Music"*. Cinemateket. Danish Film Institute. Copenhagen, Denmark. 26 September 2002.

Steenveld,L

Steenveld,L. Presenter. *"Editorial strategies for the World Summit on Sustainable Development (WSSD) and beyond"*. Presentation. Johannesburg.

Vermeulen,L

Vermeulen,L. Executive Producer. *"Insert on the President's Award in prisons broadcast on SABC2's current affairs programme called Focus"*. Grahamstown. 1 - 14 July 2002.

Vermeulen,L. Executive Producer. *"Flame of Peace. A video produced for the 2004 Olympic Games in Athens and funded with the assistance of the Worldwide Council of Hellenes Abroad (SAE)"*. Grahamstown. 1 August - 6 September 2002.

Vermeulen,L. Executive Producer. *"Changing Lands. A documentary about ecotourism and game farming in the Eastern Cape"*. Grahamstown. 1 August - 6 September 2002.

Vermeulen,L. Executive Producer. *"Endlini Yam. A documentary about one woman in Grahamstown living positively with HIV"*. Grahamstown. 1 August - 6 September 2002.

Vermeulen,L. Executive Producer. *"Sisela Iqhilika"*. Sisela Iqhilika. Documentary about traditional honey mead production. Grahamstown. 1 August - 6 September 2002.

Vermeulen,L. Executive Producer. *"Living with the dead. A documentary about the supernatural"*. Grahamstown. 12 September - 30 November 2002.

Vermeulen,L. Executive Producer. *"Unmasking Mavis. A documentary about gay drag subculture in Grahamstown"*. Grahamstown. 12 September - 30 November 2002.

Vermeulen,L. Executive Producer. *"Really Famous. A documentary about PE rock band The Finkelsteins"*. Grahamstown. 12 September - 30 November 2002.

Vermeulen,L. Executive Producer. *"International Award All Africa Conference Presentation video"*. Grahamstown. 12 September - 30 November 2002.

Vermeulen,L. Executive Producer. *"Rhodes 2003 corporate video"*. Grahamstown. 12 September - 30 November 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY**Berger,G**

Berger,G. University of North Carolina, USA. Various. 1 - 30 June 2002.

Du Toit,J

Du Toit,J. University of North Carolina, USA. Various. 1 - 30 June 2002.

Du Toit,J. Various community radio stations, Dili, East Timor. PhD research on community radio. 1 December 2002 - 1 February 2003.

Garman,A

Garman,A. University of Linköping, Linköping, Sweden. Research on WSSD and course curricula. 22 May - 16 June 2002.

Garman,B

Garman,B. University of North Carolina, US. Various. 1 - 30 June 2002.

Kariithi,N

Kariithi,N. University of Linköping, Linköping, Sweden. Culture, Society and Media Production exchange lecturer. March 2002.

Kariithi,N. Kampala, Uganda. June 2002.

Knight,M

Knight,M. University of North Carolina, US. Various. 1 - 30 June 2002.

Moys,JL

Moys,JL. University of Linkoping, Linkoping, Sweden. Media and representation. 26 November - 27 December 2002.

Vennard,C

Vennard,C. University of North Carolina, US. Various. 1 - 30 June 2002.

DISTINGUISHED VISITORS

Mr D Accone. Freelancer, Johannesburg, Arts editor for Cue. July 2002.

Mr Z Achmat. Workshop on reporting HIV-Aids for SANEF. 2002.

Ms G Ansell. Institute for the Advancement of Journalism, Johannesburg, Specialist writer for Cue. July 2002.

Mr R Berold. Freelancer, Local, Teaching third year students literary journalism. July to September 2002.

Mr A Brigg. Freelancer, Cape Town, Teaching JMS4 design students Photoshop. February 2002.

Ms A Brown. SABC, Johannesburg, 2002.

Mr T Carrington. World Bank Institute, Washington DC, USA. April 2002.

Mr W Chuma. Zimbabwean Mirror, Harare, Zimbabwe. Guest lecturer for World Press Freedom Day. May 2002.

Ms H De Villiers. Teach magazine inserts and programming. 2002.

Dr K Economou. Linkoping University, Norrkoping, Sweden. Demonstrate projects he supervises as Director of courses on Culture,. 2002.

Ms K Gush. Teach non-linear editing. 2002.

Mr B Hughes. The Financial Times, London, UK. July 2002.

Mr L Jonsson. Linkoping University, Sweden. Discussions regarding exchanges. February 2002.

JJ Le Roux. Teach students Field Audio Recording. 2002.

Mr S Markowitz. Examined documentary projects. 2002.

Mr A Miller. Pearson Plc, London, UK. July 2002.

Ms G Rennie. Freelancer, Nieu Bethesda. Editor for Cue in July. External examiner for JMS4 writing and editing in November. July and November 2002.

Ms S Scott. Fibre artist drawing instructor teaching JMS4 designers. July to October 2002.

Ms C Tennant. Teach advanced production management. 2002.

Ms S Tighe. BBC, Kent, England. 2002.

Mr J Timm. Teach music video editing. 2002.

Professor T Tufte. Department of Film and Media Studies University of Copenhagen, Copenhagen, Denmark. Research in Media Studies. September 2002.

Mr G Watt. Teach documentary non-linear editing. 2002.

Ms K Williams. Media consultant, 2002.

SUBSIDY UNITS CLAIMED

| JOURNALISM AND MEDIA STUDIES | UNITS | IN PRESS | NON SAPSE |
|--|-------------|----------|-----------|
| Berger,G | | | |
| <i>Berger,G. "Problematizing Race for Journalists: Critical reflections on the South African Human Rights Commission Inquiry into Media Racism". Critical Arts. 2002. 15(1,2),69-96.</i> | 1.00 | | |
| <i>Berger,G. "Seeing past race: Politics of the HRC's inquiry into racial representation". Ecquid Novi. 2002. 23(2),254-277.</i> | 1.00 | | |
| Prinsloo,J | | | |
| <i>Prinsloo,J. "Critical literacy in South Africa: Possibilities and constraints in 2002". English Teaching: Practice and Critique, Online Journal. 2002. 1(1),20-38.</i> | 1.00 | | Y |
| Steenveld,L | | | |
| <i>Steenveld,L. "Transforming the media: A cultural approach". Communicatio. 2002. 28(2),63-74.</i> | 1.00 | | |
| Strelitz,L | | | |
| <i>Strelitz,L. "Media consumption and identity formation". Media Culture and Society. 2002. 24(4),459-480.</i> | 1.00 | | |
| TOTAL FOR JOURNALISM AND MEDIA STUDIES | 5.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 1.00 | | |

LAW

The Faculty hosted an important Conference in January of the Society of Law Teachers of Southern Africa. The theme of the Conference was the Social Responsibility of Law Teachers and Researchers. There was a sub-theme on Development Law.

The Conference was officially opened by our Judge President the Honourable Mr Justice Somyalo. Professor William Twining of the University of London was the guest speaker. The title of his address was *Law Teaching as a Vocation*. The edited version of the paper has been published in the first issue of *Speculum Juris*, a journal which is a joint venture between our Faculty of Law and the Nelson Mandela School of Law at Fort Hare. The first issue came out in November 2002.

Papers read at conferences

Mr Graham Glover presented the following papers at the Law Teachers Conference "Teaching Legal Academic Conventions and Referencing Skills at the First Year Level" and "The Inducement of a Contract by Duress of Goods: A Reappraisal". The following staff members also read papers at the same conference: Professors Rob Midgley, A Kerr, R Mqeke, Mr J Campbell and Mr S Mkhumathela.

Professor R Mqeke also read a paper at a workshop organised by the Department of Housing, local Government and Traditional Leaders held at Regent Hotel, East London on 30 May 2002 on the theme of Restoration of Dignity and Integrity of Traditional Leaders.

Professor L Meintjes presented a paper "The Proof of the Pudding: Presenting and Proving Expert Evidence in South Africa" Inaugural Conference of the *International Institute of Forensic Studies* on Expert Evidence: Causation, Proof and Presentation. 2-5 July Prato, Italy.

Participation in Professional Bodies and Extra Curricula Activities

Professor Rob Midgley was appointed to the National Research Foundation's Assessment Panel for Law. This Committee processes applications for research funding. He has been appointed Chairperson of Rhodes University's 2004 Centenary Celebrations Events Committee. This Committee will organize and oversee the celebrations in Grahamstown and in other centres in South Africa and in other countries.

Professor Mqeke has been appointed to the South African Law Commission Project Committee on Customary Courts and Customary Law of Succession. Professor Mqeke has also been appointed to serve on the Task Team commissioned by the National Ministry of Provincial and Local Government to consider inputs received on the Draft White Paper on Traditional Leadership and Governance.

Professor W Kulundu-Bitonye is an external examiner for the Faculty of Law of the University of Nairobi.

During a research trip to the Netherlands, Prof Meintjes-Van der Walt took time to strengthen her ties as member of the Seminariaum voor Bewijsrecht at Leiden University and as member of the International Network for Research on the Law of Evidence and Procedure. Joint ventures between South African and Dutch colleagues were investigated. She is also member of the International Society for the Reform of Criminal Law.

Prof L Meintjes-Van der Walt was invited by the Board of Editors of *International Who's Who of Professional and Business Women* to submit her biography for the Ninth Edition.

PROFESSOR R. MQEKE
DEAN OF FACULTY

BOOKS/CHAPTERS/MONOGRAPHS

Clark,BJ

Clark,BJ. "Child Abduction". In: Clark, BJ(eds) Family Law Service. Butterworths. Durban. 2002. 1-61.

Clark,BJ. "Gender Issues". In: Clark, BJ(eds) Family Law Service. Butterworths. Durban. 2002. 1-21.

Clark,BJ. "Law of Marriage". In: Clark, BJ(eds) Family Law Service. Butterworths. Durban. 2002. 1-58.

Kerr,AJ

Kerr,AJ. The Principles of the Law of Contract. Butterworths. Durban. 6th Edition. 2002. 932 pp.

Meintjes-van der Walt,L

Meintjes-van der Walt,L. "Domestic Violence". In: Clark, BJ(eds) Family Law Service. Butterworths. Durban. 2002. 1-15.

Mqoke,RB

Mqoke,RB and Vorster,LP. "Procedure and Evidence". In: Bekker,JC, Labuschagne &,JMT and Vorster, LP(eds) Introduction to Legal Pluralism in South Africa Part 1: Customary Law. Butterworths. Durban. 2002. 155-173.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER**Clark,BJ**

Clark,BJ. "From Rights to Responsibilities? An Overview of Recent Developments relating to the Parent/Child Relationship in South African Common Law". *Comparative and International Law Journal of Southern Africa.* 2002. 35,216-236.

Clark,BJ. "Families and Domestic Partnerships". *South African Law Journal.* 2002. 119,634-649.

Glover,GN

Glover,GN. "Maybe the courts are not such a Bleak House after all? Or Please Sir I want some more copyright". *South African Law Journal.* 2002. 119,63-70.

Kruger,R

Kruger,R. "Appearance and Reality: Constitutional Protection of the Institutions of Marriage and the Family". *Tydskrif Vir Hedendaagse Romeins-Hollandse Reg.* 2002. (In Press).

Kulundu-Bitonye,W

Kulundu-Bitonye,W. "Riot Victims and the Doctrine of Proxima Causa in Insurance Law: The Lesotho Experience". *Journal of African Law.* 2002. 46,59-91.

Meintjes-van der Walt,L

Meintjes-van der Walt,L. "Making a Muddle into a Mess: The amended Section 78 of the Criminal Procedure Act". *South African Journal of Criminal Justice.* 2002. 15(2),242-249.

Meintjes-van der Walt,L. "The Proof of the Pudding: Presentation and Proof of Expert Evidence in South Africa". *Journal of African Law.* 2002. (In Press).

Meintjes-van der Walt,L. "Experts Witnessing in Child Abuse Cases: The need for a Code of Ethics". *Child Abuse Research in South Africa.* 2002. (In Press).

Midgley,JR

Midgley,JR. "Guests Overstaying Their Welcome: The Demise of the Peace Accord Structures in South Africa". *International Journal of Peace Studies.* 2002. 7(1),77-89.

Midgley,JR. "Supermarkets and Customer Safety". *Tydskrif Vir Hedendaagse Romeins-Hollandse Reg.* 2002. 65,119-123.

Leinius,B and *Midgley,JR.* "The Impact of the Constitution on the Law of Delict: Carmichele v Minister of Safety and Security". *South African Law Journal.* 2002. 119,17-39.

Midgley,JR, Ring,G and Pfaff,OS. "Boycotts and Similar Action: A Comparison of the German and South African Law". *South African Law Journal.* 2002. 119,353-373.

Mqoke,RB

Mqoke,RB. "Thoroughbred Breeders Association of South Africa v Price Waterhouse". *De Jure.* 2002. 1,176-181.

Plasket,C

Plasket,C. "The Exhaustion of International Remedies and Section 7(2) of the Promotion of Administrative Justice Act 3 of 2000". *South African Law Journal.* 2002. 119,50-62.

OTHER PUBLICATIONS

Kerr,AJ

Kerr,AJ. "Customary Law at the Beginning of the 21st Century: More Systems of Law than in a Single Court Structure". Iya, PF(eds) *Speculum Juris*. Lovedale Press. Alice. 2002. 1(1), 1-25.

Meintjes-van der Walt,L

Meintjes-van der Walt,L. "Report on DNA testing in South Africa". *Occasional Papers University of Tasmania*. 2002. (In Press).

Plasket,C

Plasket,C. "S v Mathemba". Evans, J(eds) *South African Criminal Law Reports*. Juta. Cape Town. 2002. (April), 407-409.

Plasket,C. "S v Alcock". Evans, J(eds) *South African Criminal Law Reports*. Juta. Cape Town. 2002. (June), 636-641.

Plasket,C. "Administrative Law". Iya,PF and Meintjes-van der Walt, L(eds) *Speculum Juris*. Lovedale Press. Alice. 2002. (In Press).

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

i. Local Conferences (Within South Africa)

Clark,BJ

Clark,BJ. "Social Responsibility and the Duty of Child Support". *Social Responsibility of Law Teachers and Researchers*. Rhodes University, Grahamstown. January 2002.

Glover,GB

Glover,GB. "Teaching Legal Academic Conventions and Referencing Skills at the First -Year Level". *Social Responsibility of Law Teachers and Researchers*. Rhodes University, Grahamstown. January 2002.

Glover,GB. "The Inducement of a Contract by Duress of Goods: A Reappraisal". *Social Responsibility of Law Teachers and Researchers*. Rhodes University, Grahamstown. January 2002.

Kruger,R

Kruger,R. "Appearance and Reality: Constitutional Protection of the Institutions of Marriage and the Family". *Social Responsibility of Law Teachers and Researchers*. Rhodes University, Grahamstown. January 2002.

Midgley,JR

Midgley,JR. "The Carmichele Case". *Social Responsibility of Law Teachers and Researchers*. Rhodes University, Grahamstown. January 2002.

Mqeke,RB

Mqeke,RB. "African Legal Tradition". *Social Responsibility of Law Teachers and Researchers*. Rhodes University, Grahamstown. January 2002.

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

ii. International Conferences (Outside South Africa)

Meintjes-van der Walt,L

Meintjes-van der Walt,L. "The Proof of the Pudding: Presenting and Providing Expert Evidence in South Africa". *Inaugural Conference of the International Institute of Forensic Studies on Expert Evidence*. Prato, Italy. July 2002.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Mqeke,RB

Mqeke,RB. Participation. "*Restoration of Dignity and Integrity of Traditional Leaders*". Workshop by Department of Housing, Local Government and Tradition. Regent Hotel. East London. 30 May 2002.

DISTINGUISHED VISITORS

Dr T Burrell. Burrells Intellectual Property Lawyers, Johannesburg, SA. Moot and Lecture: A case study of an action to restrain the infringement of a patent and a counter claim for the revocation thereof on the grounds of lack of novelty and obviousness. 9 October 2002.

Professor W Trengove. Lecture: Carmichele and its effect on the Law of Delict. 20 August 2002.

Professor W Trengove. Lecture: The effect of the Bill of Rights on the Interpretation of Statutes on the common law and Litigating Constitutional Issues. 19 August 2002.

Professor W Trengove. Lecture: Constitutional Litigation - the interaction between the. 21 August 2002.

SUBSIDY UNITS CLAIMED

| LAW | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Clark,BJ | | | |
| <i>Clark,BJ.</i> "From Rights to Responsibilities? An Overview of Recent Developments relating to the Parent/Child Relationship in South African Common Law". <i>Comparative and International Law Journal of Southern Africa</i> . 2002. 35,216-236. | 1.00 | | |
| <i>Clark,BJ.</i> "Families and Domestic Partnerships". <i>South African Law Journal</i> . 2002. 119,634-649. | 1.00 | | |
| Glover,GN | | | |
| <i>Glover,GN.</i> "Maybe the courts are not such a Bleak House after all? Or Please Sir I want some more copyright". <i>South African Law Journal</i> . 2002. 119,63-70. | 1.00 | | |
| Kruger,R | | | |
| <i>Kruger,R.</i> "Appearance and Reality: Constitutional Protection of the Institutions of Marriage and the Family". <i>Tydskrif Vir Hedendaagse Romeins-Hollandse Reg</i> . 2002. (In Press). | 1.00 | Y | |
| Kulundu-Bitonye,W | | | |
| <i>Kulundu-Bitonye,W.</i> "Riot Victims and the Doctrine of Proxima Causa in Insurance Law: The Lesotho Experience". <i>Journal of African Law</i> . 2002. 46,59-91. | 1.00 | | |
| Meintjes-van der Walt,L | | | |
| <i>Meintjes-van der Walt,L.</i> "Making a Muddle into a Mess: The amended Section 78 of the Criminal Procedure Act". <i>South African Journal of Criminal Justice</i> . 2002. 15(2),242-249. | 1.00 | | |
| <i>Meintjes-van der Walt,L.</i> "The Proof of the Pudding: Presentation and Proof of Expert Evidence in South Africa". <i>Journal of African Law</i> . 2002. (In Press). | 1.00 | Y | |
| <i>Meintjes-van der Walt,L.</i> "Experts Witnessing in Child Abuse Cases: The need for a Code of Ethics". <i>Child Abuse Research in South Africa</i> . 2002. (In Press). | 1.00 | Y | |
| Midgley,JR | | | |
| <i>Midgley,JR.</i> "Guests Overstaying Their Welcome: The Demise of the Peace Accord Structures in South Africa". <i>International Journal of Peace Studies</i> . 2002. 7(1),77-89. | 1.00 | | Y |
| <i>Midgley,JR.</i> "Supermarkets and Customer Safety". <i>Tydskrif Vir Hedendaagse Romeins-Hollandse Reg</i> . 2002. 65,119-123. | 1.00 | | |
| <i>Leinius,B and Midgley,JR.</i> "The Impact of the Constitution on the Law of Delict: Carmichele v Minister of Safety and Security". <i>South African Law Journal</i> . 2002. 119,17-39. | 1.00 | | |
| <i>Midgley,JR, Ring,G and Pfaff,OS.</i> "Boycotts and Similar Action: A Comparison of the German and South African Law". <i>South African Law Journal</i> . 2002. 119,353-373. | 0.34 | | |
| Mqeke,RB | | | |
| <i>Mqeke,RB.</i> "Thoroughbred Breeders Association of South Africa v Price Waterhouse". <i>De Jure</i> . 2002. 1,176-181. | 1.00 | | |
| Plasket,C | | | |
| <i>Plasket,C.</i> "The Exhaustion of International Remedies and Section 7(2) of the Promotion of Administrative Justice Act 3 of 2000". <i>South African Law Journal</i> . 2002. 119,50-62. | 1.00 | | |
| TOTAL FOR LAW | 13.34 | | |
| TOTAL IN PRESS | 3.00 | | |
| TOTAL NON SAPSE | 1.00 | | |

MANAGEMENT (GRAHAMSTOWN)

An important focus within the Department of Management is the implementation of a policy of continuous improvement in all the Department's activities. In respect of the Department's research programme, learning outcomes specific to research are integrated into each course module from first-year to fourth-year level.

The Honours/Management 4 programme in particular includes an extensive research component.

Management 4 (Bachelor of Business Science 4) students undertake research reports in groups over the period of the academic year for a company on an organisational problem faced by the company. In 2002, reports were prepared for Volkswagen South Africa (Pty) Limited in Uitenhage and Pharmicare Limited in East London.

Management Honours students undertake research papers which can be published, also working in groups over the period of the academic year. During 2002 the paper prepared by Dina Sayias on the Coca-Cola magic ride sensation was presented at the annual conference of The Southern Africa Institute for Management Scientists at Sun City.

Staff research output for 2002 consisted of articles for publication in accredited journals, conference papers as well as publications in journals which are not accredited. Five members of staff, namely Prof. N. Harvey, Dr P Court, Mr T Amos, Mr N Pearse and Mr M Jere, were responsible for Management staff research publications and/or conference papers. One conference paper, on an evaluation of a managerial skills development programme in the Department of Management was produced through the collaboration of Management and Academic Development Centre staff and was presented at the Student Centred Learning Conference at the University of the Witwatersrand, in Johannesburg in 2002.

In respect of the publication of books, an e-book on Human Resource Management co-authored by Mr T Amos of the Management Department and Mr A Ristow, Communications Manager at Coca-Cola SABCO, was published in 2002. In addition, Messrs Amos and Ristow co-authored a Human Resource Management Course Book for Universal College Outcomes.

Ms S Musengi submitted a Master of Commerce thesis supervised by the Department of Management, while a number of staff members are registered for doctoral studies and are conducting ongoing research in this respect.

PROFESSOR P. COURT
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Jere,M

Jere,M and Jere,A. "Turnaround strategy: An Example from the Zambian Mining Industry". Botswana Journal of Business. 2002. 52-67.

OTHER PUBLICATIONS

Amos,TL

Amos,TL and Maas,G. "Developing entrepreneurial students: A proposal of the what and how". Nieuwenhuizen,C and Klandt, H(eds) Internationalising entrepreneurship education and training. Josef Eul Verlag. Lohman Germany. 2002. 29-46.

Amos,TL and Ristow,A. Human Resource Management. Eduflex.com/Juta. Cape Town. 2002.

Amos,TL and Ristow,A. Human Resource management Universal College Outcomes Course Book. Juta. Cape Town. 2002. 1-454.

Amos,TL and Pearse,NJ

Amos,TL and Pearse,NJ. "Thinking about the politics of mentor programmes in contemporary South Africa". People Dynamics. 2002. 20(8), 20-23.

Harvey,N

Harvey,N. "Reducing costs in a turnaround: Part 2. Value chain analysis". Meyer-Wood, B(eds) Professional Management Review. ABC. Johannesburg. 2002. April, 25-25.

Harvey,N. "Product line rationalisation". Meyer-Wood, B(eds) Professional Management Review. ABC. Johannesburg. 2002. August, 18-19.

Harvey,N. "Reducing costs in a turnaround: Part 1. Leveraging value chains". Meyer-Wood, B(eds) Professional Management Review. ABC. Johannesburg. 2002. February/March, 15 pp.

Harvey,N. "Customer and product line analysis". Meyer-Wood, B(eds) Professional Management Review. ABC. Johannesburg. 2002. July, 28-29.

Harvey,N. "Reducing costs in a turnaround: Part 3. Attacking costs". Meyer-Wood, B(eds) Professional Management Review. ABC. Johannesburg. 2002. May, 14-14.

Harvey,N. "Value analysis, value engineering and value management. Part 2". Meyer-Wood, B(eds) Professional Management Review. ABC. Johannesburg. 2002. November, 16-17.

Harvey,N. "Value analysis, value engineering and value management". Meyer-Wood, B(eds) Professional Management Review. ABC. Johannesburg. 2002. October, 16-17.

Harvey,N. "Cost drivers". Meyer-Wood, B(eds) Professional Management Review. ABC. Johannesburg. 2002. September, 13-13.

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

i. Local Conferences (Within South Africa)

Amos,TL and Pearse,NJ

Botha,J, Amos,TL and Pearse,NJ. "The relationship between the leadership, internal quality and customer satisfaction levels of dealerships in a South African Motor Vehicle Organization". *The Institute of Marketing Management's Marketing Educators Conference*. Rosebank Hotel, Johannesburg. September 2002.

Court,P

Maree,K, Court,P and Radloff,SE. "An assessment of certain financial measures as indicators of intellectual value". *11th Annual Conference of the South African Financial Association*. University of Cape Town, Cape Town. January 2002.

Pearse,NJ and Amos,TL

Pearse,NJ, Amos,TL and Nelson,R. "Implementing constructivism: An evaluation of a managerial skills development programme". *Student Centred learning: Challenges and Opportunities for knowledge in Southern Africa*. Wits University, Johannesburg. December 2002.

Pearse,NJ, Amos,TL and Sayias,C. "Experiential marketing and its effect on brand equity attributes: The Coca-Cola magic ride sensation". *Southern African Institute of Management Scientists (SAIMS) Conference*. Sun City, September/October 2002.

DISTINGUISHED VISITORS

Mr D de Klerk. National Brand Manager Unilever, Durban, Lecture on branding to undergraduates. November 2002.

Mr L Van Der Watt. Chief Executive SA Breweries Beer Division, Johannesburg, Lecture to the Honours students. March 2002.

Mr T Volleck. Managing Director NF Die Casting, Johannesburg, Lecture to the Honours students. April 2002.

SUBSIDY UNITS CLAIMED

| MANAGEMENT | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Jere,M | | | |
| <i>Jere,M and Jere,A. "Turnaround strategy:n An Example from the Zambian Mining Industry". Botswana Journal of Business. 2002. 52-67.</i> | 0.50 | | Y |
| TOTAL FOR MANAGEMENT | 0.50 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.50 | | |

MANAGEMENT (EAST LONDON)

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Sparrius,S

Sparrius,S. St John's College, Annapolis, Study for Masters degree. 1 July - 1 September 2002.

SUBSIDY UNITS CLAIMED

| MANAGEMENT (East London) | UNITS | IN PRESS | NON SAPSE |
|------------------------------------|-------|----------|-----------|
| TOTAL FOR MANAGEMENT (East London) | 0.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

MATHEMATICS

The Department has an active research interaction with the University of Fort Hare through the activities of Professor V.Murali and two joint publications with Dr Makamba of that University appeared during 2002.

Professor M.Burton is extensively involved in joint research with the Department of Biochemistry, Microbiology and Biotechnology.

Professor Kotzé was awarded by the South African Mathematical Society with a medal for the Advancement of Mathematics in South Africa. Amongst other things, he was the Editor of the journal "Quaestiones Mathematicae", now in its 25th year, for many of these years.

Roy Mimna received his Ph.D. through Rhodes University through an exchange programme developed by Professor Kotzé and Professor S.E.Rodabaugh of Youngstown State University with that University.

PROFESSOR W. KOTZÉ
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Kotzé,W

Kotzé,W. "Lifting of sobriety concepts with particular reference to (L,M)-topological spaces". In: Rodabaugh,SE and Botha, RJ(eds) Topological and Algebraic Structures in Fuzzy Sets. Kluwer International. Amsterdam. 2002. 359-369.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Jager,G

Jager,G. "Fuzzy properties in fuzzy convergence spaces". *International Journal of Mathematics and Mathematical Sciences*. 2002. 29(12),737-748.

Jager,G. "Lowen fuzzy convergence spaces viewed as [0,1]-fuzzy convergence spaces". *Journal of Fuzzy Mathematics*. 2002. 10(1),227-236.

Lubczonok,G and Murali,V

Lubczonok,G and Murali,V. "On flags and fuzzy subspaces of vector spaces". *Fuzzy Sets and Systems*. 2002. 125,201-207.

Mimna,RA

Mimna,RA and Steele,TH. "Stability of asymptotically stable sets for continuous functions". *Journal of Mathematical Analysis and Applications*. 2002. 276,279-291.

Murali,V

Murali,V. "On an equivalence of fuzzy equivalence relations". *Far East Journal of Mathematical Sciences*. 2002. 7(1),93-104.

Murali,V and Makamba,BB. "On krull intersection theorem of fuzzy ideals". *International Journal of Mathematics and Mathematical Sciences*. 2003. 4(1),251-262.

Murali,V and Makamba,BB. "Fuzzy direct sums and free submodules". *Journal of Fuzzy Mathematics*. 2002. 8(4),525-540.

Murali,V and Makamba,BB. "Fuzzy order ideals and torsion submodules". *Journal of Fuzzy Mathematics*. 2002. 8(4),541-554.

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

ii. International Conferences (Outside South Africa)

Jager,G

Jager,G and Hellman,M. "Soft computing approaches for classification of fully polarimetric SAR images". *URSI*. Garmisch-Partenkirchen. Germany. 2002.

Jager,G and Hellman,M. "Fuzzy rule based polarimetric SAR data classification". *EUSAR*. Colgne. Germany. 2002. 701-704.

Murali,V

Murali,V. "Fuzzy subgroups of an Abelian group". *Sixth conference on Information sciences*. Durham N.C.. USA. February 2002. 64-68.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Kotzé,W

Kotzé,W. University of Lecce, Lesse, Italy. Research. 31 October - 26 November 2002.

DISTINGUISHED VISITORS

Dr R Mimna. Youngstown State University, Youngstown Ohio, USA. Lectures. April 2002.

SUBSIDY UNITS CLAIMED

| MATHEMATICS | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Jager,G | | | |
| Jager,G. "Fuzzy properties in fuzzy convergence spaces". <i>International Journal of Mathematics and Mathematical Sciences</i> . 2002. 29(12),737-748. | 1.00 | | |
| Jager,G. "Lowen fuzzy convergence spaces viewed as [0,1]-fuzzy convergence spaces". <i>Journal of Fuzzy Mathematics</i> . 2002. 10(1),227-236. | 1.00 | | |
| Lubczonok,G and Murali,V | | | |
| Lubczonok,G and Murali,V. "On flags and fuzzy subspaces of vector spaces". <i>Fuzzy Sets and Systems</i> . 2002. 125,201-207. | 1.00 | | |
| Mimna,RA | | | |
| Mimna,RA and Steele,TH. "Stability of asymptotically stable sets for continuous functions". <i>Journal of Mathematical Analysis and Applications</i> . 2002. 276,279-291. | 0.50 | | |
| Murali,V | | | |
| Murali,V. "On an equivalence of fuzzy equivalence relations". <i>Far East Journal of Mathematical Sciences</i> . 2002. 7(1),93-104. | 1.00 | | Y |
| Murali,V and Makamba,BB. "Fuzzy direct sums and free submodules". <i>Journal of Fuzzy Mathematics</i> . 2002. 8(4),525-540. | 0.50 | | |
| Murali,V and Makamba,BB. "Fuzzy order ideals and torsion submodules". <i>Journal of Fuzzy Mathematics</i> . 2002. 8(4),541-554. | 0.50 | | |
| TOTAL FOR MATHEMATICS | 5.50 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 1.00 | | |

MUSIC AND MUSICOLOGY

Dr Diane Thram's research in the field of ethnomusicology yielded three articles: one published in *Papers presented at the Symposium of Ethnomusicology No 16*, and the other two accepted for publication in the *Yearbook of the International Council for Traditional Music* and in *African Music*, an accredited journal edited by Prof Andrew Tracey of the International Library of African Music, one of Rhodes' research institutes. Mr Christopher Cockburn was appointed Review Editor of Vol 21 of the *South African Journal of Musicology*, also an accredited journal.

Two members of staff gave papers at local and international conferences, both on topics related to their respective PhD research projects. Mr Nishlyn Ramanna presented at the Leeds International Jazz Education Conference and Mr Cockburn at the 25th National Conference of the Musicological Society of Australia, and both presented at the 17th Symposium on Ethnomusicology held at Rhodes University. Ms Daniela Heunis gave a poster presentation at the 'Humanising Globalisation – Empowering Women' Conference at the University of Cape Town, based on the Eastcape Music Project which she co-ordinated. Four members of staff attended a workshop on Research Methodology organised at the University of Cape Town by the Travelling Institute for Music Research, a project of the National Research Foundation.

Staff were also active in the field of performance. Mr Cockburn gave solo organ recitals in Pietermaritzburg and East London, and accompanied one of the finest chamber choirs in South Africa, Richard Cock's Chanticleer Singers, on two different occasions in Johannesburg. He also composed original music for *Heartlands*, a multimedia performance presented at the National Arts Festival in collaboration with poet Chris Mann, graphic artist Julia Skeen and reader Janet Susman. Also at the Festival, Ms Heunis presented a solo flute recital, while Mr Ramanna was pianist in three Joy of Jazz programmes together with distinguished local and international jazz performers, as well as presenting a programme of original music as part of the New Music Indaba.

PROFESSOR D. SCARR
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Thram,D

Thram,D. "There are problems in the land: Musical expression of Shona cultural aesthetic in times of crises". *African Music*. 2002. (In Press).

Thram,D. "Book review: Mashindano! Competitive music performance in East Africa ed. F. Gunderson and G Barz". *South African Journal of Musicology*. 2002. (In Press).

OTHER PUBLICATIONS

Thram,D

Thram,D. "Therapeutic dimensions of participation in dandanda song and dance in Zimbabwe". Tracey, ATN(eds) *Papers presented at the Symposium on Ethnomusicology No 16*. International Library of African Music. Grahamstown. 2002. 16, 11-17.

Thram,D. "Therapeutic efficacy of music-making: Neglected aspect of human experience integral to performance process". *Yearbook of the International Council for Traditional Music*. 2002. 34. (In Press).

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

i. Local Conferences (Within South Africa)

Cockburn,C

Cockburn,C. "A monumental Hallelujah: Handel amongst the Voortrekkers". *17th Symposium on Ethnomusicology*. Rhodes University, Grahamstown. September 2002.

Heunis,D

Heunis,D. "Eastcape Music Project: Empowering teachers in arts and culture". *Humanizing Globalisation - Empowering Women*. University of Cape Town, Cape Town. February 2002.

Ramanna,N

Ramanna,N. "Ethnography Theory and all that jazz: An exploration of musical meaning". *17th Symposium on Ethnomusicology*. Rhodes University, Grahamstown. September 2002.

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

ii. International Conferences (Outside South Africa)

Cockburn,C

Cockburn,C. "Contesting kings: Society and the reception of Handel's Messiah in South Africa". *25th National Conference of the Musicological Society of Australia*. University of Newcastle, Newcastle. Australia. October 2002.

Ramanna,N

Ramanna,N. "Redefining jazz: A South African perspective". *Leeds International Jazz Education Conference*. Leeds College of Music, Leeds. UK. March 2002.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Cockburn,C

Cockburn,C. Performer. "*Organ Recital by Christopher Cockburn*". Pietermaritzburg City Hall Organ Centenary Recital Series. City Hall. Pietermaritzburg. 19 May 2002.

Cockburn,C. Performer. "*Songs of Praise conducted by Richard Cock*". SAFM Songs of Praise. Trinity Methodist Church. East London. 25 - 26 May 2002.

Cockburn,C. Performer. "*A Musical Jubilee: The Chanticleer Singers conducted by Richard Cock*". St Thomas' Church Jubilee Celebrations. St Thomas' Church. Johannesburg. 3 June 2002 - 1 January 2003.

Cockburn,C. Composer and Performer. "*Heartlands*". National Arts Festival Fringe. Cathedral of St Michael & St George. Grahamstown. 30 June - 2 July 2002.

Cockburn,C. Performer. "*Programme of French music for choir and organ: The Chanticleer Singers conducted by Richard Cock*". Chanticleer Singers concerts series. Holy Trinity Cathedral. Johannesburg. 10 September 2002 - 1 January 2003.

Cockburn,C. Performer. "*Organ Recital by Christopher Cockburn*". St Saviour's Church Centenary Organ Recital Series. St Saviour's Church. East London. 27 October 2002.

Heunis,D

Heunis,D. Performer. "*Flute Gems*". National Arts Festival Fringe. Beethoven Room. Grahamstown. 29 June - 2 July 2002.

Ramanna,R

Ramanna,R. Performer. "*East Cape Big Band*". East Cape Big Band. Guild Theatre. East London. 16 June 2002.

Ramanna,R. Performer. "*Opening Double Bill*". National Arts Festival: Joy of Jazz. DSG Hall. Grahamstown. 29 June 2002.

Ramanna,R. Performer. "*Rossi Meets Rachabane*". National Arts Festival: Joy of Jazz. DSG Hall. Grahamstown. July 2002.

Ramanna,R. Performer. "*All-Star Closer*". National Arts Festival: Joy of Jazz. DSG Hall. Grahamstown. 2 July 2002.

Ramanna,R. Composer and Performer. "*Front Ear Territory*". National Arts Festival: New Music Indaba. Beethoven Room. Grahamstown. 3 July 2002.

DISTINGUISHED VISITORS

Professor K Agawu. Princeton University, Princeton, USA. Lecture.

Ms E Eloff. Potchefstroom University for CHE, Potchefstroom, SA. Masterclass. March 2002.

Professor J Jiracek. State Academy of Vienna, Vienna, Austria. Masterclass. October 2002.

Mr H Jonkers. Basel, Switzerland. Concert and Masterclass. April 2002.

Professor R Rollin. Youngstown State University, Youngstown, USA. Lectures. April 2002.

Mr D Stander. Johannesburg, SA. Concerts and Masterclass. August 2002.

Dr A Yapo. Abidjan, Ivory Coast. Lecture. April 2002.

SUBSIDY UNITS CLAIMED

| MUSIC AND MUSICOLOGY | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Thram,D | | | |
| <i>Thram,D.</i> "There are problems in the land: Musical expression of Shona cultural aesthetic in times of crises". <i>African Music</i> . 2002. (In Press). | 1.00 | Y | |
| <i>Thram,D.</i> "Book review: Mashindano! Competitive music performance in East Africa ed. F. Gunderson and G Barz". <i>South African Journal of Musicology</i> . 2002. (In Press). | 1.00 | Y | |
| TOTAL FOR MUSIC AND MUSICOLOGY | 2.00 | | |
| TOTAL IN PRESS | 2.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

NATIONAL ENGLISH LITERARY MUSEUM

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Hacksley,MM

Hacksley,MM. "The National English Literary Museum (NELM): A case study in successful archival conservation in Africa". *Innovation.* 2002. (24),9-13.

SUBSIDY UNITS CLAIMED

| NATIONAL ENGLISH LITERARY MUSEUM | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Hacksley,MM | | | |
| <i>Hacksley,MM.</i> "The National English Literary Museum (NELM): A case study in successful archival conservation in Africa". <i>Innovation.</i> 2002. (24),9-13. | 1.00 | | Y |
| TOTAL FOR NATIONAL ENGLISH LITERARY MUSEUM | 1.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 1.00 | | |

PHARMACY

The research activities in the Faculty of Pharmacy continues to grow with a substantial increase in registered postgraduate students from only 3 in 1999 to 19 in 2002. Concomitant with this growth is the impact much of the research output is making both nationally and internationally.

During the 3rd International Conference on Pharmaceutical and Pharmacological Sciences held during 2002 no less than 22 oral and poster presentations were made by staff and postgraduate students of the Faculty of Pharmacy.

At the same conference, a plenary lecture entitled "Understanding the Concept of Bioequivalence and its implications for Generic Substitution" was delivered by Professor I.Kanfer, Head & Dean of the Faculty. This particular research area has been identified by the National Government as a high priority topic that focuses on making medicines more accessible and affordable to the wider population. Researchers in the Faculty of Pharmacy, through their research efforts in this area, have contributed significantly to the development of national policy relating to the assessment of quality, safety and efficacy of generic medicines.

Staff and students attended the Annual SAAHIP conference and presented 4 oral presentations on their research endeavours.

Several members of staff as well as some postgraduate students participated in several international conferences where the results of their research were presented. Professor Kanfer (Fort Lauderdale, USA; Banff, Alberta, Canada), Professor Walker and postgraduate student Leith Kieser (Seoul, South Korea), Professor Daya (Calcutta), Professor Haigh (Jaun-les-Pins, France), postgraduate students Zaynab Lambat and Deepa Maharaj (Rabat, Morocco), Dr Beukes (Ventura, USA), Dr Dowse (Nice, France) and Ms Allan (Prato, Italy).

The Faculty of Pharmacy held its 2nd Annual Research Day in September at which fifteen postgraduates in the Faculty presented their research data.

Dr Ros Dowse received the Roche Achievement award for Best Publication: Pharmacy Practice for her paper which evaluated pharmaceutical pictograms in low-literate populations. This is a new research initiative which aims to enhance drug therapy in low-literate populations.

Professor Kanfer received a significant research grant from the Medical Research Council for his work on Complementary Medicines. Professor Rod Walker received a substantial grant for his work on monolithic matrix tablets from the Dow Chemical Company (USA) in support of his Modified and Sustained Release Research programme in Pharmaceutics.

Michael Knott won a Fulbright Scholarship and was adjudged the Roche Young Scientist at the Academy of Pharmaceutical Sciences Conference.

Professor Kanfer was appointed as Associate Editor of the Journal of Pharmacy and Pharmaceutical Sciences and Professor Haigh was appointed to the editorial board of the stp Pharma Sciences Journal.

PROFESSOR I. KANFER
DEAN OF FACULTY

BOOKS/CHAPTERS/MONOGRAPHS

Kanfer,I, Skinner,MF and Walker,RB

Kanfer,I, Skinner,MF and Walker,RB. "Gas Chromatography". In: Swarbrick, J(eds) Encyclopaedia of Pharmaceutical Technology. 2003.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Daya,S and Limson,J

*Daya,S, Limson,J and Lambat,Z. "Cimetidine acts as a free radical scavenger by binding to transition metals". *Journal of Pharmacy and Pharmacology*. 2002. 54,1681-1686.*

*Daya,S, Limson,J, Nyokong,T and Parmar,P. "Melatonin protects against copper-mediated free radical damage". *Journal of Pineal Research*. 2002. 32(4),237-242.*

Daya,S, Glass,BD and Walker,RB

Daya,S, Anoopkumar-Dukie,S, Glass,BD, Antunes,EM, Lack,BD, Walker,RB and Maharaj,DS. "The identification of the UV degradants of melatonin and their ability to scavenge free radicals". *Journal of Pineal Research*. 2002. 32(4),257-261.

Dowse,R

Dowse,R and Ehlers,MS. "The influence of education on the interpretation of pharmaceutical pictograms for communicating medicine instructions". *International Journal of Pharmacy Practice*. 2002. (In Press).

Dowse,R and Mansoor,L. "Readability of patient information materials: Do pictograms enhance understanding in a low-literate population?". *Annals of Pharmacotherapy*. 2002. (In Press).

Glass,BD

Brown,ME, Glass,BD and Worthington,MS. "Thermal Studies of Nifedipine-Cyclodextrin Binary Systems in the Solid State". *Journal of Thermal Analysis and Calorimetry*. 2002. 65,631-646.

Brown,ME and Glass,BD. "Decomposition of Solids Accompanied by Melting - Bawn Kinetics". *International Journal of Pharmaceutics*. 2002. (In Press).

Haigh,J

Haigh,J, Smith,EM and Surber,C. "Quantification of corticosteroid-induced skin vasoconstriction: Visual ranking, chromameter measurement or digital image analysis". *Dermatology*. 2002. 205,3-10.

Knott,M

Froneman,PW, Ansorge,IJ, Vumazonke,L, Gulekana,K, Bernard,K, Webb,AM, Leukes,WD, Risien,CM, Thomalla,S, Hermes,J, Knott,M, Anderson,D, Hargey,N, Jennings,M, Veitch,J, Lutjeharms,JRE and McQuaid,CD. "Physical and biological variability in the Antarctic Polar Frontal Zone: Report on research cruise 103 of MV SA Agulhas". *South African Journal of Science*. 2002. 98(11/12),534-534.

Walker,RB

Shipton,TA, Britz,PJ and Walker,RB. "An assessment of the efficacy of two lysine microencapsulation techniques to determine the quantitative lysin requirements of the South African abalone *Haliotis midae* L". *Aquaculture Nutrition*. 2002. 8,221-227.

OTHER PUBLICATIONS**Daya,S**

Daya,S. "5th International Conference on Lifelong Learning in Pharmacy". *SA Pharmaceutical Journal*. 2002. 69(8), 26-27.

Daya,S and Glass,BD

Daya,S, Glass,BD and Maharaj,DS. "The photostability of Ibuprofen under ICH conditions in solution and in the gel formulation is dependent on the packaging". *SA Pharmaceutical Journal*. 2002. 69(2), 29-31.

Walker,RB and Oltmann,C

Walker,RB and Oltmann,C. "Rhodes University's Faculty of Pharmacy Excels at SciFest 2002". *SA Pharmaceutical Journal*. 2002. 69(4), 23-23.

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

Beukes,DR, Leukes,WD and Pather,S. "A preliminary investigation into the biomedical potential of South African marine microorganisms". *3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences*. Boksburg. September 2002.

Beukes,DR and Mdlalo,YL. "Strategies toward the total synthesis of dilemmaones". *3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences*. Boksburg. September 2002.

Knott, MG and Beukes, DR. "The use of GC-MS in the identification and dereplication of secondary metabolites from South African *Plocamium* species". *3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences*. Boksburg. September 2002.

Daya, S

Daya, S. *Lifelong Learning in Pharmacy 5th International Conference*. Rhodes University, Grahamstown. June 2002.

Anoopkumar-Dukie, S, Whiteley, CG, Lambat, Z and Daya, S. "Cimetidine acts as a potent free radical scavenger in the dxyribose assay". *3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences*. Boksburg. September 2002.

Daya, S and Dairam, A. "Tolmetin reduces iron, cyanide and quinolinic acid lipid peroxidation in rat brain homogenate". *3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences*. Boksburg. September 2002.

Daya, S and Daniel, S. "Protective effects of curcumin on rat brain". *3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences*. Boksburg. September 2002.

Daya, S and Kadanthode, RJ. "Melatonin protects against rotenone-induced lipid peroxidation". *3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences*. Boksburg. September 2002.

Heideman, L and Daya, S. "Effect of quercitin on glutamate binding to N-Methyl D-Aspartate receptors in rat brain". *3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences*. Boksburg. September 2002.

Dowse, R

Dowse, R. *Lifelong Learning in Pharmacy 5th International Conference*. Rhodes University, Grahamstown. June 2002.

Dowse, R and Mansoor, L. "Development and assessment of medicine information for the low-literate HIV/AIDS patient". *16th Annual Conference of the SA Association of Hospital and International Pharmacists*. Champagne Sports Resort, Drakensberg. December 2002.

Dowse, R, Parrish, AG and Rockcliffe, N. "Investigation of the comparative cost-effectiveness of three different regimens for treating multidrug-resistant tuberculosis (MDRTB)". *16th Annual Conference of the SA Association of Hospital and International Pharmacists*. Champagne Sports Resort, Drakensberg. March 2002.

Dowse, R, Sahadev, S, Singh, S, Ehlers, MS and Mansoor, L. "The influence of pictograms on the interpretation of medicine labels". *16th Annual Conference of the SA Association of Hospital and International Pharmacists*. Champagne Sports Resort, Drakensberg. March 2002.

Futter, WT

Futter, WT. *Lifelong Learning in Pharmacy 5th International Conference*. Rhodes University, Grahamstown. June 2002.

Glass, B, Walker, RB and Daya, S

Glass, B, Walker, RB, Maharaj, DS and Daya, S. "Photostability assessment of melatonin under ICH conditions". *3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences*. Boksburg. September 2002.

Kanfer, I

Kanfer, I. *Annual Congress of the Pharmaceutical Society of South Africa*. Kopanong Conference Centre, Benoni. May 2002.

Kanfer, I. "Keynote Address: Understanding the concept of bioequivalence and its implications for generic substitution". *3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences*. Birchwood Convention Centre, Boksburg. September 2002.

Kanfer, I, Dubber, MJ and Sewram, V. "Application of LC/MS/MS for the quality control of the relevant flavonoids in *Gingko biloba* products". *3rd International Conference on Pharmaceutical and Pharmacological Sciences*

incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences. Birchwood Convention Centre, Boksburg. September 2002.

Kanfer,I, Dubber,MJ and Wild,TJ. "Qualitative analysis of the relevant flavonoid components of Ginkgo biloba products using micellar electrokinetic chromatography". 3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences. Birchwood Convention Centre, Boksburg. September 2002.

Kanfer,I and Wild,TJ. "Application of a narrow bore column for the quantitative HPLC analysis of hyperacin, pseudohyperacin and hyperforin in St. John's Wort products". 3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences. Birchwood Convention Centre, Boksburg. September 2002.

Kanfer,I, Wild,TJ and Dubber,MJ. "Assay of relevant flavonoid components in St. John's Wort products by HPLC using a narrow bore column". 3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences. Birchwood Convention Centre, Boksburg. September 2002.

Kench,A

Kench,A. Lifelong Learning in Pharmacy 5th International Conference. Rhodes University, Grahamstown. June 2002.

Maharaj,DS

Maharaj,DS. "Influence of aspirin, acetaminophen and melatonin on tryptophan 2,3 dioxygenase and indoleamine 2,3 dioxygenase activity". 3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences. Boksburg. September 2002.

Oltmann,C

Oltmann,C. Lifelong Learning in Pharmacy 5th International Conference. Rhodes University, Grahamstown. June 2002.

Oltmann,C and Walker,RB

Oltmann,C, Omarjee,M, Moodley,S and Walker,RB. "Using portfolios as an assessment tool". SA Association Hospital & Institutional Pharmacists 2002. Champagne Sports Resort, Central Drakensberg. March 2002. 40.

Walker,RB

Walker,RB. Lifelong Learning in Pharmacy 5th International Conference. Rhodes University, Grahamstown. June 2002.

Kieser,LF and Walker,RB. "Development and assessment of direct compression sustained release beta blocker tablets with Ethocel™ as a binding agent". 3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences. Birchwood Convention Centre, Boksburg. September 2002.

Patel,F and Walker,RB. "An HPLC method for the analysis of carbamazepine in solid oral dosage forms using protriptyline as the internal standard". 3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences. Birchwood Convention Centre, Boksburg. September 2002.

Walker,RB and Kieser,LF. "The effects of lubricant composition on a direct compression sustained release matrix tablet formulation". 3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences. Birchwood Convention Centre, Boksburg. September 2002.

Walker,RB and Kieser,LF

Walker,RB and Kieser,LF. "Comparison of USP apparatus 2 (paddle) and 3 (BIO-DIS) for dissolution testing of sustained release matrix tablets". 3rd International Conference on Pharmaceutical and Pharmacological Sciences incorporating the 23rd Annual Congress of the Academy of Pharmaceutical Sciences. Birchwood Convention Centre, Boksburg. September 2002.

Wilson,B

Wilson,B. Lifelong Learning in Pharmacy 5th International Conference. Rhodes University, Grahamstown. June 2002.

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

ii. International Conferences (Outside South Africa)

Allan,L

Allan,L. "Students' understanding of the changing role of pharmacists in South Africa : The case of the Rhodes University Community Experience Programme". *Experiential Teaching and Learning in Pharmacy*. Monash Centre, Prato. Italy. September 2002.

Beukes,DR

Beukes,DR, Antunes,EM, Samaai,T, Kelly,M and Davies-Coleman,MT. "The Natural Products Chemistry of South Africa Latrunculid sponges". *Gordon Research Conference*. Ventura, California. USA. 2002.

Daya,S

Daya,S. "Strategies in hippocampal protection". *International symposium on Neurodegeneration and Neuroprotection*. Calcutta. India. March 2002.

Daya,S, Anoopkumar-Dukie,S and Lambat,Z. "Cimetidine as a possible therapeutic agent in neuroprotection". *2nd IBRO*. Neuroscience School, Rabat. Morocco. April 2002.

Daya,S, Glass,BD and Walker,RB

Daya,S, Glass,BD, Walker,RB and Maharaj,DS. "6-Hydroxymelatonin protects against KCN-induced free radical damage in rat brain homogenates". *2nd IBRO*. Neuroscience School, Rabat. Morocco. April 2002.

Dowse,R

Lecoko,MLE, Ehlers,MS and Dowse,R. "Evaluation of the REALM health literacy test in a developing country". *62nd Annual Congress of FIP*. Nice, Acropice, Nice. France. September 2002.

Haigh,JM

Haigh,JM, Smith,EW, Purdon,CH, Beyssac,E, Marsin,C and Aiache,J-M. "A comparison of Franz and European Pharmacopoeia diffusion cells with respect to ibuprofen and progesterone permeation through silicone membrane". *International Perspectives in Percutaneous Penetration Conference*. Palais des Congres d'Antibes, Juan-les-Pins. France. April 2002.

Haigh,JM, Smith,EW and Surber,C. "Comparison of visual and digital image quantification of corticosteroid-induced vasoconstriction". *International Perspectives in Percutaneous Penetration Conference*. Palais des Congres d'Antibes, Jaun-les-Pins. France. April 2002.

Smith,EW, Purdon,CH and Haigh,JM. "The importance of orientation when utilising shed snake skin as a diffusion membrane". *International Perspectives in Percutaneous Penetration Conference*. Palais des Congres d'Antibes, Juan-les-Pins. France. April 2002.

Smith,EW, Purdon,CH and Haigh,JM. "Comparative in vitro release of ibuprofen from cream and gel formulations through silicone membrane using Franz cells". *International Perspectives in Percutaneous Penetration Conference*. Palais des Congres d'Antibes, Juan-les-Pins. France. April 2002.

Kanfer,I

Kanfer,I. *Eino Nelson Conference*. Fort Lauderdale, Florida. USA. February 2002.

Dubber,MJ, Kanfer,I and Wild,TJ. "Application of a minibore column for the HPLC analysis of flavonoids in St. John's Wort products". *5th Annual Meeting of the Canadian Society for Pharmaceutical Sciences*. Banff, Alberta. Canada. June 2002.

Walker,RB

Walker,RB, Arjun,J and Kieser,LF. "Dissolution testing of metoprolol tartrate sustained release matrix tablets: Comparison of USP 2 (paddles) and 3 (BIO-DIS)". *29th International Symposium on Controlled Release of Bioactive Materials*. COEX Convention and Exposition Centre, Seoul. South Korea. July 2002.

Walker,RB and Kieser,LF. "Development of direct compression sustained release matrix tablet formulations for two beta blockers". *29th International Symposium on Controlled Release of Bioactive Materials*. COEX Convention and Exposition Centre, Seoul. South Korea. July 2002.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Beukes,DR

Beukes,DR. "MESAB National Mentor Programme Co-Ordinators Workshop". Devon Valley Lodge. Stellenbosch. 6 - 8 September 2002.

Kench,A

Kench,A. Participant. Weekend of Clinical Pharmacology and Therapeutics. Summerstrand Inn Hotel. Port Elizabeth. 27 - 28 July 2002.

Kench,A. Participant. "Good Clinical Practice Course for Beginners". The Cullinan Hotel. Cape Town. 21 - 22 October 2002.

Oltmann,C

Oltmann,C. Participant. "Train-the-trainers workshop, organized by the South African Pharmacy Council". Johannesburg Airport Conference Venue. Johannesburg. 5 February 2002.

Oltmann,C. Facilitator. "Intern-tutor training workshop". Health Resource Centre. East London. 23 February 2002.

Oltmann,C. Participant. "MESAB National Mentor Co-ordinators Workshop". Devon Valley Lodge. Stellenbosch. 6 - 8 September 2002.

Oltmann,C and Walker,RB

Oltmann,C and Walker,RB. Facilitator. "Rhodes University Pharmacy Faculty - One degree - many careers". Sasol Scifest. 1820 Settlers Monument. Grahamstown. 13 - 19 March 2002.

Walker,RB

Walker,RB. Participant. "Department of Health Workshop on Community Service for Pharmacists". Manhattan Hotel. Pretoria. 12 February 2002.

DISTINGUISHED VISITORS

Professor L Endrenyi. University of Toronto, Toronto, Canada. Research. November-December 2002.

Professor R Verbeeck. University Catholique Louvain, Brussels, Belgium. Research Seminars/Lectures. July -August 2002.

SUBSIDY UNITS CLAIMED

| PHARMACY | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Daya,S and Limson,J | | | |
| Daya,S, Limson,J and Lambat,Z. "Cimetidine acts as a free radical scavenger by binding to transition metals". <i>Journal of Pharmacy and Pharmacology</i> . 2002. 54,1681-1686. | 1.00 | | |
| Daya,S, Limson,J, Nyokong,T and Parmar,P. "Melatonin protects against copper-mediated free radical damage". <i>Journal of Pineal Research</i> . 2002. 32(4),237-242. | 0.75 | | |
| Daya,S, Glass,BD and Walker,RB | | | |
| Daya,S, Anoopkumar-Dukie,S, Glass,BD, Antunes,EM, Lack,BD, Walker,RB and Maharaj,DS. "The identification of the UV degradants of melatonin and their ability to scavenge free radicals". <i>Journal of Pineal Research</i> . 2002. 32(4),257-261. | 1.00 | | |
| Dowse,R | | | |
| Dowse,R and Ehlers,MS. "The influence of education on the interpretation of pharmaceutical pictograms for communicating medicine instructions". <i>International Journal of Pharmacy Practice</i> . 2002. (In Press). | 0.50 | Y | |
| Dowse,R and Mansoor,L. "Readability of patient information materials: Do pictograms enhance understanding in a low-literate population?". <i>Annals of Pharmacotherapy</i> . 2002. (In Press). | 1.00 | Y | |
| Glass,BD | | | |
| Brown,ME, Glass,BD and Worthington,MS. "Thermal Studies of Nifedipine-Cyclodextrin Binary Systems in the Solid State". <i>Journal of Thermal Analysis and Calorimetry</i> . 2002. 65,631-646. | 0.34 | | |
| Brown,ME and Glass,BD. "Decomposition of Solids Accompanied by Melting - Bawn | 0.50 | Y | |

| | | | |
|---|------|--|--|
| Kinetics". <i>International Journal of Pharmaceutics</i> . 2002. (In Press). | | | |
| Haigh,J | | | |
| <i>Haigh,J</i> , Smith,EM and Surber,C. "Quantification of corticosteroid-induced skin vasoconstriction: Visual ranking, chromameter measurement or digital image analysis". <i>Dermatology</i> . 2002. 205,3-10. | 0.34 | | |
| Knott,M | | | |
| <i>Froneman,PW</i> , Ansorge,IJ, <i>Vumazonke,L</i> , Gulekana,K, <i>Bernard,K</i> , <i>Webb,AM</i> , <i>Leukes,WD</i> , Risien,CM, Thomalla,S, Hermes,J, <i>Knott,M</i> , Anderson,D, Hargey,N, Jennings,M, Veitch,J, Lutjeharms,JRE and <i>McQuaid,CD</i> . "Physical and biological variability in the Antarctic Polar Frontal Zone: Report on research cruise 103 of MV SA Agulhas". <i>South African Journal of Science</i> . 2002. 98(11/12),534-534. | 0.06 | | |
| Walker,RB | | | |
| <i>Shipton,TA</i> , <i>Britz,PJ</i> and <i>Walker,RB</i> . "An assessment of the efficacy of two lysine microencapsulation techniques to determine the quantitative lysin requirements of the South African abalone <i>Haliotis midae</i> L". <i>Aquaculture Nutrition</i> . 2002. 8,221-227. | 0.33 | | |
| TOTAL FOR PHARMACY | 5.82 | | |
| TOTAL IN PRESS | 2.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

PHILOSOPHY

Dr Thomas Martin's study of Sartre, *Oppression and the Human Condition: An Introduction to Sartrean Existentialism* was published by Rowman & Littlefield, New York. Lewis Gordon, Brown University, wrote in a review that "[Martin], writing in contexts marked by colonial legacies of racism and economic dependence, offers ... one of the clearest statements on Sartre's philosophy and its importance for our continued efforts to forge a human world. This is, indeed, one of the very best books on the subject for both scholars and lay readers." Members of the Department had papers published both internationally and locally: Ward Jones, "Explaining our own beliefs: non-epistemic believing and doxastic instability", *Philosophical Studies*, and David Ryan, "Judgement in fiction", *The South African Journal of Philosophy*. The Philosophy Department edits *Philosophical Papers*, the only international philosophical journal in South Africa. The Philosophy Department provides a very lively research environment for staff, advanced students and visitors with an active programme of weekly Departmental seminars. Dr Hans-Johann Glock, Philosophy, The University of Reading, was the 2002 Hugh le May Fellow. He offered a series of advanced seminars on "Wittgensteinian Themes". The Department also hosts and organises the Philosophy Spring Colloquium every year in September.

PROFESSOR M. VERMAAK
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Martin,T

Martin,T. Oppression and the human condition: An Introduction to Sartrean Existentialism. Rowman & Littlefield Publishers. New York. 2002.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Jones,WE

Jones,WE. "Explaining our own beliefs: Non-epistemic believing and doxastic instability". *Philosophical Studies*. 2002. 111(3),217-249.

Ryan,D

Ryan,D. "Judgement in Fiction". *South African Journal of Philosophy*. 2002. 21(1),63-82.

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

i. Local Conferences (Within South Africa)

Jones,WE

Jones,WE. "Do we deserve anything for what we believe?". *26th Annual Conference of the Philosophical Society of Southern Africa*. University of Stellenbosch, Stellenbosch. January 2002.

Martin,T

Martin,T. "Is bad faith intentional?". *26th Annual Conference of the Philosophical Society of Southern Africa*. University of Stellenbosch, Stellenbosch. January 2002.

Martin,T. "Internationalisation and Cultural Diversity". *6th Annual Conference of the International Education Association of South Africa*. Rhodes University, Grahamstown. September 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Jones,WE

Jones,WE. University of Dar Es Salaam, Dar Es Salaam, Tanzania. Development of Critical Thinking course. 20 August - 20 September 2002.

Ryan,D

Ryan,D. University of Dar Es Salaam, Dar Es Salaam, Tanzania. Offered various seminars. 4 - 11 November 2002.

DISTINGUISHED VISITORS

Professor J Cottingham. University of Reading, Reading, UK. Presentation of Seminar Series On The Meaning of Life. February 2002.

Professor R Diprose. University of New South Wales, Australia. Visiting lecturer in course entitled Philosophy of The Gift. August and September 2002.

Dr HJ Glock. University of Reading, Reading, UK. Hugh le May Fellow and Presentation of Seminar Series on Wittgensteinian Themes. September October November 2002.

SUBSIDY UNITS CLAIMED

| PHILOSOPHY | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Jones,WE | | | |
| <i>Jones,WE</i> . "Explaining our own beliefs: Non-epistemic believing and doxastic instability". <i>Philosophical Studies</i> . 2002. 111(3),217-249. | 1.00 | | |
| Ryan,D | | | |
| <i>Ryan,D</i> . "Judgement in Fiction". <i>South African Journal of Philosophy</i> . 2002. 21(1),63-82. | 1.00 | | |
| TOTAL FOR PHILOSOPHY | 2.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

PHYSICS

There are three main research directions pursued by the Department of Physics & Electronics, namely Radio Astronomy, Aeronomy and Photoluminescence. Two MSc and one PhD students graduated at the 2002 ceremony, and one PhD and two MSc theses were submitted for examination in the latter part of the year. The PhD graduate, Sandile Malinga, was the first black student to obtain a doctorate in Physics at Rhodes.

Continuing our close research collaboration with the HartRAO radio observatory we are working on the completion of the Rhodes/HartRAO 2326 MHz radio continuum survey and on the timing of radio pulsars. We are developing an advanced digital pulsar receiver for HartRAO, and a prototype was successfully tested during the year. Adrian Tiplady, a PhD student, reported on this instrument at a specialist pulsar conference in Crete, and as a result has had offers of collaboration from three major international radio astronomy institutes.

Prof Justin Jonas represents South Africa on the steering committee of the Square Kilometre Array (SKA) radio telescope, which is a major international scientific facility planned for construction in 2010. South Africa is bidding to host this telescope, and Prof Jonas is the Project Scientist on the South African steering committee tasked with preparing the bid. He is also a member of the international Site Evaluation Committee and various scientific and engineering subcommittees that have been set up to plan this huge telescope. During 2002 he attended three SKA meetings in Italy and Holland.

The Aeronomy research group (HOIA), under the Directorship of Prof Allon Poole, continues to operate a network of three ionosondes that monitor important physical parameters of the ionosphere over the Southern Africa region. One of these ionosondes was used to monitor the response of the ionosphere over the Limpopo province to the December 2002 solar eclipse. The group's focus is the development of artificial neural network models that predict the behaviour of the ionosphere. This work was presented at the URSI General Assembly in Maastricht, Holland in August.

Dr Makaiko Chithambo joined the Department in February 2002 and he will continue the work on photoluminescence that he initiated at Edinburgh while completing his PhD. He has formed a research group with Dr Paul Nathanson and Mr Richard Grant, and they are in the process of setting up a new photoluminescence laboratory. Dr Chithambo presented a paper at a conference in Nevada, USA during 2002, and he also conducted experiments at a specialist laboratory in Glasgow during the month of November.

PROFESSOR J. JONAS
HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Chithambo,ML

Chithambo,ML. "Time resolved luminescence from annealed quartz". *Radiation Protection Dosimetry*. 2002. 100,273-276.

Chithambo,ML, Sendezera,EJ and Davidson,AT. "A preliminary thermoluminescence and positron annihilation study of α -Al₂O₃:C". *Radiation Protection Dosimetry*. 2002. 100,269-272.

Sendezera,EJ, Davidson,AT, Jili,PT, *Chithambo,ML*, Anwand,W, Brauer,G and Nicht,E-H. "Characterisation of defects in LiF implanted with Ar⁺ using variable energy positron beam". *Nuclear Instruments and Methods in Physics Research-Beam Interactions*. 2002. 192,202-205.

Jonas,JL

Giardino,G, Banday,AJ, Gorski,KM, Bennett,K, *Jonas,JL* and Tauber,J. "Towards a model of full-sky synchrotron intensity and linear polarization: A re-analysis of the Parkes data". *Astronomy and Astrophysics*. 2002. 387,82-97.

Malinga,SB and Poole,LMG

Malinga,SB and *Poole,LMG*. "The 16-day variation in the mean flow at Grahamstown (33.3 S, 26.5 E)". *Annales Geophysicae*. 2002. 20(11),2027-2031.

Malinga,SB and *Poole,LMG*. "The 16-day variation in tidal amplitudes at Grahamstown (33.3 S, 26.5 E)". *Annales Geophysicae*. 2002. 20(11),2033-2038.

McKinnell,L-A and Poole,AWV

McKinnell,L-A and *Poole,AWV*. "A neural network based electron density model for the E layer". *Advances in Space Research*. 2002. (In Press).

Poole,AWV

Poole,AWV and Poole,M. "Long term trends on foF2 over Grahamstown using neural networks". *Annali Di Geofisica*. 2002. 45,1-1.

Poole,LMG and Malinga,SB

Pancheva,D, Merzlyakov,E, Mitchell,NJ, Pontnyagin,Y, Manson,AH, Jacobi,C, Meek,CE, Luo,Y, Clark,RR, Hocking,WK, MacDougall,J, Muller,HG, Kuschner,D, Jones,GOL, Vincent,RA, Reid,IM, Singer,W, Igarashi,K, Fraser,GI, Fahrutdinova,AN, Stepanov,AM, Poole,LMG, Malinga,SB, Kashcheyev,BL and Oleynikov,AN. "Global-scale tidal variability during the PSMOS campaign of June-August 1999: interaction with planetary waves". *Journal of Atmospheric and Solar-Terrestrial Physics*. 2002. 64,1865-1896.

Pancheva,D, Mitchell,NJ, Hagan,ME, Manson,AH, Meek,CE, Luo,Y, Jacobi,C, Kuschner,D, Clark,RR, Hocking,WK, MacDougall,J, Jones,GOL, Vincent,RA, Reid,IM, Singer,W, Igarashi,K, Fraser,GI, Nakamura,T, Tsuda,T, Portnyagin,Y, Merzlyakov,E, Fahrutdinova,AN, Stepanov,AM, Poole,LMG and Malinga,SB. "Global-scale tidal structure in the mesosphere and lower thermosphere during the PSMOS campaign of June-August 1999 and comparisons with the global-scale wave model". *Journal of Atmospheric and Solar-Terrestrial Physics*. 2002. 64,1011-1035.

OTHER PUBLICATIONS**Jonas,JL**

Jonas,JL. "New enabling technologies for radio astronomy". *African Skies*. 2002. 7, 51-51.

Tiplady,AJ and Jonas,JL. "The development of a new digital pulsar timing instrument". *African Skies*. 2002. 7, 51-52.

Tiplady,AJ

Tiplady,AJ and Frescura,FAM. "Time dependent parameters in the braking law". *African Skies*. 2002. 7, 12-17.

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

Buchner,SJ and Jonas,JL. "Completing the Rhodes/HartRAO 2326 MHz survey". *47th Annual SAIP Conference*. Potchefstroom University, Potchefstroom. September 2002.

Jonas,JL and Tiplady,AJ. "A new pulsar timer at HartRAO". *47th Annual SAIP Conference*. Potchefstroom University, Potchefstroom. September 2002.

Jonas,JL and Poole,AWV

Poole,M, Jonas,JL, Poole,AWV and Roberts,MP. "Progress towards copper cable identification". *SATNAC 2002*. Champagne Sports Resort, Drakensberg. September 2002. 407-414.

McKinnell,L-A and Poole,AWV

McKinnell,L-A and Poole,AWV. "Determining the probability of existence of an F1 layer using neural networks". *47th Annual SAIP Conference*. Potchefstroom University, Potchefstroom. September 2002.

Poole,AWV

Poole,AWV. "The ionosphere, ionospheric weather, and our success in its prediction". *47th Annual SAIP Conference*. Potchefstroom University, Potchefstroom. September 2002.

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

Chithambo,ML. "A comparative study of lifetimes in selected regions of quartz OSL". *10th International Conference on Luminescence and Electron Spin Resonance Dating*. University of Nevada, Reno. USA. June 2002.

Jonas,JL

Jonas,JL. *SKA 2002*. University of Gronigen, Gronigen. Netherlands. August 2002.

Tiplady,AJ and Jonas,JL. "Development of a digital pulsar timer". Radio Pulsars. Agronomic Institute of Chania, Chania. Crete. August 2002.

McKinnell,L-A and Poole,AWV

McKinnell,L-A and Poole,AWV. "The development of a neural network based bottomside profile model for the ionosphere over Grahamstown, South Africa". 27th General Assembly of URSI. Maastricht. Netherlands. August 2002.

McKinnell,L-A and Poole,AWV. "Efforts to produce realistic ionograms from electron density profiles in the F1 region". 27th General Assembly of URSI. Maastricht. Netherlands. August 2002.

Poole,AWV

Poole,AWV and Poole,M. "Neural networks and long term trends in f0F2". 27th General Assembly of URSI. Maastricht. Netherlands. August 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Chithambo,ML

Chithambo,ML. Scottish Universities Research and reactor centre, Glasgow, UK. Use of research facilities. 28 October - 30 November 2002.

SUBSIDY UNITS CLAIMED

| PHYSICS | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Chithambo,ML | | | |
| <i>Chithambo,ML. "Time resolved luminescence from annealed quartz". Radiation Protection Dosimetry. 2002. 100,273-276.</i> | 1.00 | | |
| <i>Chithambo,ML, Sendezera,EJ and Davidson,AT. "A preliminary thermoluminescence and positron annihilation study of α-Al₂O₃:C". Radiation Protection Dosimetry. 2002. 100,269-272.</i> | 0.34 | | |
| <i>Sendezera,EJ, Davidson,AT, Jili,PT, Chithambo,ML, Anwand,W, Brauer,G and Nicht,E-H. "Characterisation of defects in LiF implanted with Ar+ using variable energy positron beam". Nuclear Instruments and Methods in Physics Research-Beam Interactions. 2002. 192,202-205.</i> | 0.14 | | |
| Jonas,JL | | | |
| <i>Giardino,G, Banday,AJ, Gorski,KM, Bennett,K, Jonas,JL and Tauber,J. "Towards a model of full-sky synchrotron intensity and linear polarization: A re-analysis of the Parkes data". Astronomy and Astrophysics. 2002. 387,82-97.</i> | 0.17 | | |
| Malinga,SB and Poole,LMG | | | |
| <i>Malinga,SB and Poole,LMG. "The 16-day variation in the mean flow at Grahamstown (33.3 S, 26.5 E)". Annales Geophysicae. 2002. 20(11),2027-2031.</i> | 1.00 | | |
| <i>Malinga,SB and Poole,LMG. "The 16-day variation in tidal amplitudes at Grahamstown (33.3 S, 26.5 E)". Annales Geophysicae. 2002. 20(11),2033-2038.</i> | 1.00 | | |
| McKinnell,L-A and Poole,AWV | | | |
| <i>McKinnell,L-A and Poole,AWV. "A neural network based electron density model for the E layer". Advances in Space Research. 2002. (In Press).</i> | 1.00 | Y | |
| Poole,AWV | | | |
| <i>Poole,AWV and Poole,M. "Long term trends on foF2 over Grahamstown using neural networks". Annali Di Geofisica. 2002. 45,1-1.</i> | 1.00 | | |
| Poole,LMG and Malinga,SB | | | |
| <i>Pancheva,D, Merzlyakov,E, Mitchell,NJ, Pontnyagin,Y, Manson,AH, Jacobi,C, Meek,CE, Luo,Y, Clark,RR, Hocking,WK, MacDougall,J, Muller,HG, Kuschner,D, Jones,GOL, Vincent,RA, Reid,IM, Singer,W, Igarashi,K, Fraser,GI, Fahrutdinova,AN, Stepanov,AM, Poole,LMG, Malinga,SB, Kashcheyev,BL and Oleynikov,AN. "Global-scale tidal variability during the PSMOS campaign of June-August 1999: interaction with planetary waves". Journal of Atmospheric and Solar-Terrestrial Physics. 2002. 64,1865-1896.</i> | 0.08 | | |
| <i>Pancheva,D, Mitchell,NJ, Hagan,ME, Manson,AH, Meek,CE, Luo,Y, Jacobi,C, Kuschner,D, Clark,RR, Hocking,WK, MacDougall,J, Jones,GOL, Vincent,RA, Reid,IM, Singer,W, Igarashi,K, Fraser,GI, Nakamura,T, Tsuda,T, Portnyagin,Y, Merzlyakov,E, Fahrutdinova,AN, Stepanov,AM, Poole,LMG and Malinga,SB. "Global-</i> | 0.08 | | |

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| scale tidal structure in the mesosphere and lower thermosphere during the PSMOS campaign of June-August 1999 and comparisons with the global-scale wave model". <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> . 2002. 64,1011-1035. | | | |
| TOTAL FOR PHYSICS | 5.81 | | |
| TOTAL IN PRESS | 1.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

POLITICAL STUDIES/ISU

Members of the Department of Political Studies/ISU during 2002 were engaged in research spanning the fields of Gender Studies, Political Philosophy, International Organisation, Regional Studies, African Politics, African Political Economy and Foreign Policy Analysis. Thus, Dr L. Vincent continued to work on a research project "South African Women in Parliament in the Twentieth Century", Dr. A. Fluxman on False Consciousness and the Theory of Ideology, Professor P.H. Bischoff on "South Africa: Setting a different policy agenda and repositioning in world politics"; Professor R.Ajulu on the "Political Economy of Democratisation in Kenya", "Africa in a Globalising World Economy" and "The ANC in Lesotho" and Professor K. Adar on "Globalisation and the emerging trends in African States' Foreign Policy making process: a comparative perspective of Southern Africa." "The State, Politics and Conflict: Lessons from East Africa." In the event, Professor Adar and Ajulu edited a book on "Globalisation and Emerging Trends in African States' Foreign Policy-Making Process" (Aldershot, Ashgate, 2002) so that staff in general recorded 17 published items in edited books, journals or mimeographs. In addition, staff presented conference and seminar papers in Moscow, London, Johannesburg, Cape Town and Port Elizabeth and research seminar papers were given at the Department by visiting academics from the Ecole Normale Supérieure (ENS) de Cachan in France, the Africa Institute in Moscow, the Universities of Cambridge, London, Pretoria, the Witwatersrand, the Western Cape and the Africa University in Mutare. MA students undertook their annual MA research trip to Gauteng where they visited a number of libraries, research institutes and the Department of Foreign Affairs.

PROFESSOR P. BISCHOFF
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Adar,KG

Adar,KG. "Post-Cold War Zimbabwe's Foreign Policy and Foreign Policy-Making Process". In: Adar,KG and Ajulu, R(eds) *Globalisation and Emerging Trends in African States' Foreign Policy-Making Process: A comparative perspective of Southern Africa.* Ashgate. UK. 2002. 263-282.

Adar,KG. "Zambian Foreign Policy-Making Process in the Post-1991 Multi Party Dispensation: The Chiluba Presidency". In: Adar,KG and Ajulu, R(eds) *Globalisation and Emerging Trends in African States' Foreign Policy-Making Process: A comparative perspective of Southern Africa.* Ashgate. UK. 2002. 240-262.

Adar,KG and Ajulu,R

Adar,KG and Ajulu,R. "Southern African States' Foreign Policy and Foreign Policy-Making Process: An Introductory Contextualisation". In: Adar,KG and Ajulu, R(eds) *Globalisation and Emerging Trends in African States' Foreign Policy-Making Process: A comparative perspective of Southern Africa.* Ashgate. UK. 2002. 1-10.

Adar,KG and Ajulu,R (eds). *Globalisation and Emerging Trends in African States' Foreign Policy Making Process: A comparative perspective of Southern Africa.* Ashgate. UK. 2002.

Ajulu,R

Ajulu,R. "Lesotho, Survival in a Rough Neighbourhood: Foreign Policy Making in the era of Globalisation". In: Adar,KG and Ajulu, R(eds) *Globalisation and Emerging Trends in African States' Foreign Policy-Making Process: A comparative perspective of Southern Africa.* Ashgate. UK. 2002. 51-70.

Bischoff,PH

Bischoff,PH. "How far, where to? Regionalism, SADC and decision-making into the Millennium". In: Adar,KG and Ajulu(eds) *Globalisation and Emerging Trends in African States' Foreign Policy-Making Process: A comparative perspective of Southern Africa.* Ashgate. UK. 2002. 283-306.

Bischoff,PH. "Regionalism and Regional Cooperation in Africa: New century Challenges and Prospect". In: Mbaku, J(eds) *Africa at the Crossroads.* Greenwood. USA. 2002. (In Press).

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Ajulu,R

Ajulu,R. "Political Ethnicity, Competitive Politics and Conflict in Kenya: A Historical Perspective". *African Studies.* 2002. 2,251-268.

Bischoff,PH

Bischoff,PH. "Domestic and external sources of foreign policy ambiguity: South African foreign policy and the project of pluralist middle power". *Politikon.* 2002. (In Press).

OTHER PUBLICATIONS

Adar,KG

Adar,KG. "United States of Africa: Muamar Gaddafi's Time Reincarnation of a Dominant Concept". *Africa debate*. 2002. 1, 9-9.

Adar,KG. "Constitutionalism in Kenya". *Conflict trends*. 2002. 1, 52-55.

Adar,KG and Ajulu,R

Adar,KG and *Ajulu,R* (eds). *Globalisation and Emerging Trends in African States' Foreign Policy-Making Process: A comparative perspective of Southern Africa*. Ashgate. UK. 2002.

Ajulu,R

Ajulu,R. "Power Wealth and global Order: An International Relations Textbook". *Global Dialogue*. 2002.

Ajulu,R. "Kenya, the Uhuru Factor and the Succession Crisis: What Prospect for Future Political Stability?". *Global Insight*. Johannesburg. 2002. 1-4.

Ajulu,R. "Kenya, the succession crisis and prospects for political stability in the post-Moi era". *Global Insight*. Johannesburg. 2002. 1-4.

Ajulu,R. "The African Union: The Challenges of Implementation". *Global Insight*. Johannesburg. 2002. 17, 1-4.

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

i. Local Conferences (Within South Africa)

Adar,K

Adar,K. "Regional Foreign Policy and Conflict Resolution in Sudan". *Constitutionalism and Conflict in Africa: The case of Sudan Policy*. Cape town. November 2002.

Ajulu,R

Ajulu,R. "Why NEPAD is important and why it might not succeed". *MA Political Economy Inaugural Lecture*. University of Port Elizabeth, Port Elizabeth. August 2002.

Fluxman,A

Fluxman,A. "Ideology, Mechanisms, and Functional Explanation". *The South African Philosophy Association Conference*. University of Cape Town, Stellenbosch. January 2002.

Fluxman,A. "Is there an alternative to the theory of ideology?". *Spring Philosophy Colloquium*. Rhodes University, Grahamstown. September 2002.

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

ii. International Conferences (Outside South Africa)

Bischoff,PH

Bischoff,PH. "Peacebuilding in the context of the use of the Special Envoy by the international community in Bosnia Herzegovina: Any new lesson for intervention in collapsed African states?". *9th Conference of Africanist, Africa Institute*. Russian Academy of Sciences, Moscow. May 2002.

Vincent,LD

Vincent,LD. "Pessimism about Presence - A view from South Africa's First Two Democratic Parliaments". *British Political Science Association Conference*. Birkbeck College, London. UK. February 2002.

DISTINGUISHED VISITORS

Dr G Le Pere. Institute for Global Dialogue, Johannesburg, Lecture & seminar presentation. September 2002.

Professor T Shaw. University of London, London, UK. Lecture & seminar presentation. April 2002.

Professor H Solomon. University of Pretoria, Pretoria, SA. Lecture & seminar presentation. April 2002.

Professor P Vale. University of the Western Cape, Cape Town, Seminar presentation. August 2002.

SUBSIDY UNITS CLAIMED

| POLITICAL STUDIES | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Ajulu,R | | | |
| <i>Ajulu,R.</i> "Political Ethnicity, Competitive Politics and Conflict in Kenya: A Historical Perspective". <i>African Studies</i> . 2002. 2,251-268. | 1.00 | | |
| Bischoff,PH | | | |
| <i>Bischoff,PH.</i> "Domestic and external sources of foreign policy ambiguity: South African foreign policy and the project of pluralist middle power". <i>Politikon</i> . 2002. (In Press). | 1.00 | Y | |
| TOTAL FOR POLITICAL STUDIES | 2.00 | | |
| TOTAL IN PRESS | 1.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

PSYCHOLOGY (GRAHAMSTOWN)

More than half of our staff (10 out of 19) presented papers at either national or international conferences, in some instances presenting two or more papers at each conference. In addition to there being several publications in nationally accredited journals, the Department also saw the production of a specialist book dealing with socio-political and psychological perspectives on South Africa as well as the publication of chapters in several specialist books. One of our staff (C R Stones) was invited to serve on the editorial board of an on-line journal (*Psyplomacy*) as well as continuing his active work as a founding editorial board member of the *Indo-Pacific Journal of Phenomenology*, also an online journal.

A large contingent of staff attended the National Psychology Conference held in the Western Cape in September and there was a visiting academic, Dr Patricia Sherwood, from Edith Cowan University in Perth, Australia.

PROFESSOR C. STONES
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Knight,ZG

Knight,ZG. "The history development and current trends of psychotherapy in South Africa". In: Pritz, A(eds) *Globalized Psychotherapy*. Facultas Universitatsverlag. Vienna. 2002. 593-612.

Shuttleworth-Edwards,AB and Reid,I

Shuttleworth-Edwards,AB, Border,MA, Reid,I and Radloff,SE. "Additive effects of concussion in South African Rugby Union: A case of a little becoming too much?". In: Lovell,MR, Echemendia,RE, Barth,JT and Collins, MW(eds) *Sports Neuropsychology*. Swets and Zeitlinger. The Lisse, Netherlands. 2002. (In Press).

Stones,CR

Stones,CR. "Perceptions of social change and cross-cultural differences among South African adolescents". In: Stones, CR(eds) *Socio-Political and Psychological Perspectives on South Africa*. Nova Science. New York. 2001. 157-172.

Stones,CR. *Socio-Political and Psychological Perspectives on South Africa*. Stones, CR(eds) Nova Science. New York. 2001. 299 pp.

Van Vlaenderen,H

Van Vlaenderen,H and Neves,D. "Activity theory as a framework for psychological research and practice in developing societies". In: Kigula,P, Mkhize,N, Hook,D and Collins, A(eds) *Critical Psychology in South Africa*. Juta. Cape Town. 2002. (In Press).

Van Vlaenderen,H and Neves,D. "Participation, participatory research and critical psychology". In: Kigula,P, Mkhize,N, Hook,D and Collins, A(eds) *Critical Psychology in South Africa*. Juta. Cape Town. 2002. (In Press).

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Edwards,DJA and Welman,M

Edwards,DJA, D'Agrela,A, Geach,M and Welman,M. "Eating disordered attitudes and behaviours in black and white females at high school and university in South Africa conflict". *Journal of Psychology in Africa*. 2002. 13(1),1-22.

Knight,ZG

Knight,ZG. "Heal my heart: Stories of hurt and healing in group psychotherapy". *The Indo-Pacific Journal of Phenomenology*. 2002. (4),1-8.

Painter,DN

Painter,DN. "n Tweede kognitiewe revolusie: Oor die taalwending in the sosiale sielkunde". *Tydskrif Vir Geesteswetenskappe*. 2002. 42(2),27-36.

Painter,DN and Macleod,C. "The new moral order and racism in South Africa post 11 September 2001". *International Journal for Critical Psychology*. 2002. 6,52-60.

Theron,WH and Painter,DN. "Social representations and aggressive behaviour: Cultural or cross-cultural perspectives?". *Aggressive Behaviour*. 2001. 27(4),224-224.

Shuttleworth-Edwards,AB

Shuttleworth-Edwards,AB. "Fine tuning of the digit symbol paired associate recall test for practitioner purposes in clinical and research settings". *The Clinical Neuropsychologist*. 2002. 16(3),232-241.

Shuttleworth-Edwards,AB. "Ethically we can no longer sit on the fence: A neuropsychological perspective on the cerebrally hazardous contact sports". *South African Journal of Sports Medicine*. 2002. (In Press).

Shuttleworth-Edwards,AB and Border,MA

Shuttleworth-Edwards,AB and *Border,MA*. "Computer-based screening in concussion management: Use versus abuse". *British Journal of Sports Medicine*. 2002. 36,473-473.

Stones,CR

Stones,CR. "Rumpelstiltskin: Guilt regret and transformation". *Spring Journal*. 2002. 67,77-98.

Stones,CR and *Tyson,G*. "South African adolescents' explanations for juvenile delinquency". *South African Journal of Psychology*. 2002. 32,1-6.

Stones,CR. "Right-wing authoritarianism predicts anti-gay prejudice among heterosexual males". *Journal of Social Behaviour and Personality*. 2002. (In Press).

OTHER PUBLICATIONS**Moerdyk,AP**

Moerdyk,AP. "Assessing Prior Learning". *People Dynamics*. 2002. 20(3), 28-32.

Moerdyk,AP and *Mashini,M*. "Attribution at Work". *People Dynamics*. 2002. 20(6), 26-29.

Painter,DN

Painter,DN. "What's that got to do with language? Perspectives on language and race in South Africa". *The Researcher*. 2002. 1-7.

Painter,DN. "Africentrism in psychology: celebrating or entrenching difference? A review of T Len Holdstock (2000)". *Theory & Psychology*. 2002. (In Press).

Steele,G and Van Vlaenderen,H

Steele,G, *Esat,F* and *Van Vlaenderen,H*. "Perceptions and practices of Rhodes University Students with reference to alcohol consumption, drug use and sexual practices". *Social marketing survey*. Rhodes University. Grahamstown. 2002.

Stones,CR

Stones,CR (eds). *Indo-Pacific Journal of Phenomenology* (www.ipjp.org). 2002.

Stones,CR (eds). *Psyplomacy* (www.psyplomacy.com). 2002.

Swingler,D

Swingler,D. "Panic Disorder: From Arcadia to America". *Science in Africa*. 2001. 12.

Sartorius,N, *Al-Habeeb,T*, *Al-Habeeb,T*, *Furedi,J*, *Gheorghe,MD*, *Jarema,MD*, *Kocmur,MD*, *Oral,T*, *Svestka,J*, *Swingler,D* and *Weizman,A*. "Ways to facilitate the application of new knowledge about the management of acute psychotic disorders". *International Journal for Postgraduate Training in Medicine*. 2002. (7), 23-33.

Sartorius,N, *Al-Habeeb,T*, *Furedi,J*, *Gheorghe,MD*, *Jarema,MD*, *Kocmur,MD*, *Oral,T*, *Svestka,J*, *Swingler,D* and *Weizman,A*. "The role of second generation antipsychotics in the management of acute psychotic disorders". *International Journal for Postgraduate Training in Medicine*. 2002. (7), 3-22.

Van Vlaenderen,H

Van Vlaenderen,H. "Forests, chiefs and peasants in Africa: Local management of natural resources in Tanzania, Zimbabwe and Mozambique". *Virtanen, P(eds) Indigenous Knowledge Worldwide*. University of Joensuu. Tanzania. 2002.

Neves,D and *Van Vlaenderen,H*. "The concept and practice of participation in the context of a rural-based agricultural development project". 2002.

Van Vlaenderen,H and Gerritsen,P. "Mayo ethnobotany: Land history and traditional knowledge in North West Mexico". Thomas, R(eds) Indigenous Knowledge Worldwide. London UCP. 2002.

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

i. Local Conferences (Within South Africa)

Knoetze,JJ

Knoetze,JJ and Vermoter,CL. "Can Psychologists Rite can Remedial Teachers Reed?". 8th Annual Congress of the Psychological Society of South Africa. University of the Western Cape, Bellville. September 2002.

Moerdyk,A

Moerdyk,A. Society for Industrial Psychology. Pretoria. June 2002.

Painter,DN

Painter,DN. "English economies: Everyday accounts of language in South Africa". 8th Annual Qualitative/Critical Methods Conference. UNISA, Pretoria. September 2002.

Painter,DN and Baldwin,R. "All the black people speak English or Afrikaans so it doesn't matter: Resisting multilingualism in a South African school". 8th Annual Congress of the Psychological Society of South Africa. University of the Western Cape, Bellville. September 2002.

Painter,DN and Baldwin,R. "They all speak your language anyway...': Language, race and culture in a South African school". Eighth Psychology Society of South Africa. University of the Western Cape, Cape Town. September 2002.

Painter,DN and Macleod,C. "The new moral order and racism in South African post 11 September 2001". 8th Annual Congress of the Psychological Society of South Africa. University of the Western Cape, Bellville. September 2002.

Painter,DN and Van Ommen,C. "Images of a South African city: Mapping and labelling East London". 8th Annual Congress of the Psychological Society of South Africa. University of the Western Cape, Bellville. September 2002.

Painter,DN and Van Ommen,C. "Place, ambivalence and identity: Constructions of East London". 8th Psychology Society of South Africa. University of the Western Cape, Cape Town. September 2002.

Van Ommen,C and Painter,DN. "Images of a South African city: Mapping East London". 8th Psychology Society of South Africa. University of the Western Cape, Cape Town. September 2002.

Van Ommen,C and Painter,DN. "Place ambivalence and identity: Constructions of East London". 8th Annual Congress of the Psychological Society of South Africa. University of the Western Cape, Bellville. September 2002.

Steele,G

Steele,G. "The development and validation of the Xhosa translations of the Beck Depression Inventory, the Beck Anxiety Inventory and the Beck Hopelessness Scale". 8th Annual Congress of the Psychological Society of South Africa. University of the Western Cape, Bellville. September 2002.

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

ii. International Conferences (Outside South Africa)

Edwards,DJA

Edwards,DJA. "A case-based evaluation of a group treatment for social phobia based on the model of Clark and Wells". Conference of the British Association for Behavioural and Cognitive Psychotherapy. University of Warwick, Warwick. UK. July 2002.

Knight,ZG

Knight,ZG. "The history development and current trends of psychotherapy in South Africa". 3rd Congress of the World Council for Psychotherapy. Vienna. Austria. July 2002.

Knight,ZG. "Heal my heart: Stories of hurt and healing from group therapy". 25th International Congress of Applied Psychology. Singapore. Malaysia. July 2002. 4. 1-8.

Matthee,DD

Matthee,DD. "Acts of Eating: The significance of the everyday eating rituals of women of colour working on farms". *Emotional Geographies Conference*. Lancaster. UK. September 2002.

Matthee,DD and Painter,DN

Matthee,DD and Painter,DN. "The politics of language: Perspectives on language in South Africa". *25th Annual Scientific Meeting of the International Society of Political Psychology*. Berlin. Germany. July 2002.

Painter,DN

Painter,DN. "Illegitimate struggles? Political psychology and transformation in South Africa". *25th Annual Scientific Meeting of the ISPP*. Hotel Intercontinental, Berlin. Germany. July 2002.

Painter,DN and Baldwin,R. "'They all speak your language anyway...': Language race and culture in a South African school". *25th Annual Scientific Meeting of the ISPP*. Hotel Intercontinental, Berlin. Germany. July 2002.

Stones,CR

Stones,CR. "I am not your Friend. I am your therapist: Difficult Hermeneutics and Psychodynamic Psychotherapy". *25th International Congress of Applied Psychology*. Singapore. Malaysia. July 2002.

Stones,CR. "The World of Transference: Living in it - or working with it?". *3rd Congress of the World Council for Psychotherapy*. Vienna. Austria. July 2002.

Stones,CR. "Treatment: Clinical and Community Psychology". *25th International Congress of Applied Psychology*. Singapore. Malaysia. July 2002.

Van Vlaenderen,H

Moll,I and Van Vlaenderen,H. "Beyond apartheid: CHAT perspectives from South Africa". *5th Congress of the International Society for Cultural research*. Amsterdam. Netherlands. June 2002. 17-22.

Neves,D, Van Vlaenderen,H and Mnguni,M. "The trials of participation: Activity systems in development contexts". *Fifth congress of the International Society for Cultural Research and Activity Theory*. Vrije Universiteit, Amsterdam. The Netherlands. June 2002.

Van Vlaenderen,H and Mnguni,M

Van Vlaenderen,H, Neves,D and Mnguni,M. "The trials of participation: Activity systems in development contexts". *Fifth Congress on the International Society for Cultural research*. Amsterdam. Netherlands. June 2002. 17-22.

DISTINGUISHED VISITORS

Professor K Durrheim. University of Natal, Pietermaritzburg, Visiting Professor - workshops, research support and seminars. August 2002.

Professor PK Roghell. Sandnessjoen, Norway. Workshop. June and October 2002.

Dr T Sherwood. Edith Cowan University, Perth, Western Australia. Lecture.

SUBSIDY UNITS CLAIMED

| PSYCHOLOGY | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Edwards,DJA and Welman,M | | | |
| Edwards,DJA, D'Agrela,A, Geach,M and Welman,M. "Eating disordered attitudes and behaviours in black and white females at high school and university in South Africa conflict". <i>Journal of Psychology in Africa</i> . 2002. 13(1),1-22. | 1.00 | | |
| Knight,ZG | | | |
| Knight,ZG. "Heal my heart: Stories of hurt and healing in group psychotherapy". <i>The Indo-Pacific Journal of Phenomenology</i> . 2002. (4),1-8. | 1.00 | | Y |
| Painter,DN | | | |
| Painter,DN. "n Tweede kognitiewe revolusie: Oor die taalwending in the sosiale sielkunde". <i>Tydskrif Vir Geesteswetenskappe</i> . 2002. 42(2),27-36. | 1.00 | | |
| Painter,DN and Macleod,C. "The new moral order and racism in South Africa post 11 | 0.50 | | Y |

| | | | |
|--|------|---|---|
| September 2001". <i>International Journal for Critical Psychology</i> . 2002. 6,52-60. | | | |
| Theron,WH and Painter,DN. "Social representations and aggressive behaviour: Cultural or cross-cultural perspectives?". <i>Aggressive Behaviour</i> . 2001. 27(4),224-224. | 0.50 | | |
| Shuttleworth-Edwards,AB | | | |
| Shuttleworth-Edwards,AB. "Fine tuning of the digit symbol paired associate recall test for practitioner purposes in clinical and research settings". <i>The Clinical Neuropsychologist</i> . 2002. 16(3),232-241. | 1.00 | | |
| Shuttleworth-Edwards,AB. "Ethically we can no longer sit on the fence: A neuropsychological perspective on the cerebrally hazardous contact sports". <i>South African Journal of Sports Medicine</i> . 2002. (In Press). | 1.00 | Y | |
| Shuttleworth-Edwards,AB and Border,MA | | | |
| Shuttleworth-Edwards,AB and Border,MA. "Computer-based screening in concussion management: Use versus abuse". <i>British Journal of Sports Medicine</i> . 2002. 36,473-473. | 1.00 | | |
| Stones,CR | | | |
| Stones,CR. "Rumpelstiltskin: Guilt regret and transformation". <i>Spring Journal</i> . 2002. 67,77-98. | 1.00 | | Y |
| Stones,CR and Tyson,G. "South African adolescents' explanations for juvenile delinquency". <i>South African Journal of Psychology</i> . 2002. 32,1-6. | 0.50 | | |
| Stones,CR. "Right-wing authoritarianism predicts anti-gay prejudice among heterosexual males". <i>Journal of Social Behaviour and Personality</i> . 2002. (In Press). | 1.00 | Y | |
| TOTAL FOR PSYCHOLOGY | 9.50 | | |
| TOTAL IN PRESS | 2.00 | | |
| TOTAL NON SAPSE | 2.50 | | |

PSYCHOLOGY (EAST LONDON)

The Psychology Department in East London had a productive year in terms of research in 2002 with eight articles published in peer-reviewed journals. Four of these were published in prestigious international journals. Areas covered in these papers included an analysis of the new moral order and racism in South Africa post the 11 September attacks, a discussion (in Afrikaans) of language in Social Psychology, a methodological explication on discourse analysis, an argument for a Foucauldian feminist theoretical framework, a deconstruction of racialisation and economic issues in the teenage pregnancy literature, an analysis of theorising concerning trans-sexuality, and a description and analysis of research completed on panic disorders. In addition to this, a chapter on South African research and Developmental Psychology was published in a well-used text on Developmental Psychology. Five papers were presented at international conferences and ten at national conferences. Various other contributions were made in terms of public intellectual work with staff members publishing in a variety of periodicals read by professionals in Psychology and Health Sciences. *Ikhonkco*, a periodical published by the department, was brought out again in 2002. The department was commissioned to complete two research projects, one for the Regional Educare Council/Khanyisa, and one for the Department of Education. Each of these was utilised to inform further planning in the respective organisations. Two distinguished academics, one from South Africa and one from Norway, visited the department, participating in a variety of workshops, seminars and discussions. Prof Andy Gilbert was awarded a Fulbright Scholarship and spent six months at the University of Texas, El Paso, working on a book on culture and mental health.

DR. C. MACLEOD
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Macleod,C

Macleod,C. "Theory and South African developmental psychology research and literature". In: Hook,D, Watts,J and Cockroft, K(eds) *Developmental Psychology*. UCT Press. Lansdowne. 2002. 379-396.

Macleod,C. "Writing into action: the critical research endeavour". In: Kigula,P, Mkhize,N, Hook,D and Collins, A(eds) *Critical Psychology in South Africa*. Juta. Cape Town. 2002. (In Press).

Neves,D

Van Vlaenderen,H and Neves,D. "Activity theory as a framework for psychological research and practice in developing societies". In: Kigula,P, Mkhize,N, Hook,D and Collins, A(eds) *Critical Psychology in South Africa*. Juta. Cape Town. 2002. (In Press).

Van Vlaenderen,H and Neves,D. "Participation, participatory research and critical psychology". In: Kigula,P, Mkhize,N, Hook,D and Collins, A(eds) *Critical Psychology in South Africa*. Juta. Cape Town. 2002. (In Press).

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Macleod,C

Macleod,C. "Economic security and the social science literature on teenage pregnancy in South Africa". *Gender and Society*. 2002. 16(5),647-664.

Macleod,C. "Deconstructive discourse analysis: Extending the methodological conversation". *South African Journal of Psychology*. 2002. 32(1),17-25.

Macleod,C and Durrheim,K. "Racializing teenage pregnancy: 'culture' and 'tradition' in the South African scientific literature". *Ethnic and Racial Studies*. 2002. 25(5),778-801.

Macleod,C and Durrheim,K. "Foucauldian feminism: The implications of governmentality". *Journal for The Theory of Social Behaviour*. 2002. 32(1),41-60.

Painter,DN and Macleod,C. "The new moral order and racism in South Africa post 11 September 2001". *International Journal for Critical Psychology*. 2002. 6,52-60.

McLuckie,KG

McLuckie,KG. "Reassigning the transsexual subject: Either/or, both/and". *Psychology in Society*. 2002. 28,28-39.

Wilson,KG and McLuckie,KG. "I feel I am not human: Investigating the relationship between discourse and subjectivity in the lives of people experiencing panic attacks". *South African Journal of Psychology*. 2002. 32(3),29-38.

OTHER PUBLICATIONS

Gilbert,A and Gerber,B

Gilbert,A, Fawcett,C and Gerber,B. "NRF Research Report". Participation: the meeting of different communities of practice: a case study of a mental health training project. 2002.

Macleod,C

Macleod,C. "Base-line survey for the Secondary School HIV/AIDS and Life Skills Education Programme". 2002.

Macleod,C. "The sticky sides to labelling". *The Teacher.* 2002. 7(7), 17-17.

Macleod,C and Irvine,M. "Sustainable early childhood programmes: A pre-assessment report for Regional Educare Council and Khanyisa Community Early Childhood Development Centre". 2002.

Neves,D

Neves,D and Van Vlaenderen,H. "The concept and practice of participation in the context of a rural-based agricultural development project". 2002.

Rankin,J

Rankin,J. "Relationships, sex and sexuality in the Maluti mountains of Africa". 2002.

Rankin,J (eds). *Ikhonkco: A link of stories, resources and ideas.* Psychological Services Centre, Rhodes University. East London. 2002. 3.

Rankin,J. "Maluti Project: News, views and debates". Rankin, J(eds) *Ikhonkco: A link of stories, resources and ideas.* Psychological Services Centre, Rhodes University. East London. 2002. 3, 14-15.

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

i. Local Conferences (Within South Africa)

Baldwin,R

Painter,DN and Baldwin,R. "All the black people speak English or Afrikaans so it doesn't matter: Resisting multilingualism in a South African school". *8th Annual Congress of the Psychological Society of South Africa.* University of the Western Cape, Bellville. September 2002.

Painter,DN and Baldwin,R. "They all speak your language anyway...': Language, race and culture in a South African school". *Eighth Psychology Society of South Africa.* University of the Western Cape, Cape Town. September 2002.

Macleod,C

Macleod,C. "Security and risk: adolescent sexual and reproductive health". *Sociological Association of South Africa congress.* Regent Hotel, East London. July 2002.

Macleod,C. "Teenage pregnancy and the construction of adolescence: Scientific literature in South Africa". *8th Psychology Society of South Africa.* University of the Western Cape, Cape Town. September 2002.

Painter,DN and Macleod,C. "The new moral order and racism in South African post 11 September 2001". *8th Annual Congress of the Psychological Society of South Africa.* University of the Western Cape, Bellville. September 2002.

Neves,D

Neves,D. "Rethinking the role of counselling in biomedical contexts". *4th East Cape Health Research Conference.* University of Transkei, Umtata. August 2002.

Neves,D. "Towards a method of dialogical-activity inquiry in the human sciences". *8th Psychology Society of South Africa.* University of the Western Cape, Cape Town. September 2002.

Neves,D. "Some critical tensions in the training of research psychologists". *8th Psychology Society of South Africa.* University of the Western Cape, Cape Town. September 2002.

Van Ommen,C

Painter,DN and Van Ommen,C. "Place, ambivalence and identity: Constructions of East London". *8th Psychology Society of South Africa.* University of the Western Cape, Cape Town. September 2002.

Painter, DN and Van Ommen, C. "Images of a South African city: Mapping and labelling East London". *8th Annual Congress of the Psychological Society of South Africa*. University of the Western Cape, Bellville. September 2002.

Van Ommen, C and Painter, DN. "Place ambivalence and identity: Constructions of East London". *8th Annual Congress of the Psychological Society of South Africa*. University of the Western Cape, Bellville. September 2002.

Van Ommen, C and Painter, DN. "Images of a South African city: Mapping East London". *8th Psychology Society of South Africa*. University of the Western Cape, Cape Town. September 2002.

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

ii. International Conferences (Outside South Africa)

Baldwin, R

Painter, DN and Baldwin, R. "'They all speak your language anyway...': Language race and culture in a South African school". *25th Annual Scientific Meeting of the ISPP*. Hotel Intercontinental, Berlin. Germany. July 2002.

Gilbert, A

Gilbert, A. *31st Annual Meeting of the Society for Cross-cultural Research*. La Fonda on the Plaza, Santa Fe. USA. February 2002.

Gilbert, A. *Sun Conference on Teaching and Learning*. University of Texas, El Paso. USA. March 2002.

Gilbert, A, Fawcett, C and Gerber, B. "Mthungululi - removing the muc from one's eyes: Contradictions in the activities of HIV/AIDS counsellors". *5th International Society for Cultural Research and Activity Theory Conference*. Vrije Universiteit, Amsterdam. The Netherlands. June 2002.

Neves, D

Neves, D, Van Vlaenderen, H and Mnguni, M. "The trials of participation: Activity systems in development contexts". *5th Congress of the International Society for Cultural Research and Activity Theory*. Vrije Universiteit, Amsterdam. The Netherlands. June 2002.

Van Vlaenderen, H, Neves, D and Mnguni, M. "The trials of participation: Activity systems in development contexts". *5th Congress on the International Society for Cultural research*. Amsterdam. Netherlands. June 2002. 17-22.

Rankin, J

Rankin, J, Preston, A and Roghell, P. "Relationships, sex and sexuality in the Maluti mountains of Africa". *International Family Therapy Association 'When Ice meets Fire' conference*. London. England. September 2002.

CONCERTS, EXHIBITIONS, PERFORMANCES, WORKSHOPS, ETC.

Rankin, J

Rankin, J. Presenter. "*When rules make sense in couple therapy*". East London Psychologists' Forum. Psychological Services Centre. East London. 19 April 2002 - 1 January 2003.

Rankin, J. Facilitator. "*Condoms explode in our faces: Working with communities who live with HIV and AIDS*". Restoring relationships and lives after loss: South African Association of Marital and Family Therapy. National History Museum. Johannesburg. 24 May 2002 - 1 January 2003.

Rankin, J and Preston, A. "*From vagina monologues to penic dialogues*". When Ice meets Fire. London, England. 3 September 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Gilbert, A

Gilbert, A. University of Texas El Paso, El Paso, USA. Writing book. 1 January - 30 June 2002.

SUBSIDY UNITS CLAIMED

| PSYCHOLOGY (East London) | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Macleod,C | | | |
| <i>Macleod,C</i> . "Economic security and the social science literature on teenage pregnancy in South Africa". <i>Gender and Society</i> . 2002. 16(5),647-664. | 1.00 | | |
| <i>Macleod,C</i> . "Deconstructive discourse analysis: Extending the methodological conversation". <i>South African Journal of Psychology</i> . 2002. 32(1),17-25. | 1.00 | | |
| <i>Macleod,C</i> and Durrheim,K. "Racializing teenage pregnancy: 'culture' and 'tradition' in the South African scientific literature". <i>Ethnic and Racial Studies</i> . 2002. 25(5),778-801. | 0.50 | | |
| <i>Macleod,C</i> and Durrheim,K. "Foucauldian feminism: The implications of governmentality". <i>Journal for The Theory of Social Behaviour</i> . 2002. 32(1),41-60. | 0.50 | | |
| <i>Painter,DN</i> and <i>Macleod,C</i> . "The new moral order and racism in South Africa post 11 September 2001". <i>International Journal for Critical Psychology</i> . 2002. 6,52-60. | 0.50 | | Y |
| McLuckie,KG | | | |
| <i>McLuckie,KG</i> . "Reassigning the transsexual subject: Either/or, both/and". <i>Psychology in Society</i> . 2002. 28,28-39. | 1.00 | | |
| <i>Wilson,KG</i> and <i>McLuckie,KG</i> . "I feel I am not human: Investigating the relationship between discourse and subjectivity in the lives of people experiencing panic attacks". <i>South African Journal of Psychology</i> . 2002. 32(3),29-38. | 0.50 | | |
| TOTAL FOR PSYCHOLOGY (East London) | 5.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.50 | | |

RU MATHEMATICS EDUCATION PROJECT

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

i. Local Conferences (Within South Africa)

Penlington,T

Penlington,T. "Developing benchmark activities for Grade 7". *AMESA Conference.* University of Natal, Durban. July 2002.

Spanneberg,R and Brown,B

Spanneberg,R and Brown,B. "Teachers' Professional Development Model: A Collegial Adventure as a context for the process of change". *Models for Best Practice.* University of Port Elizabeth, Port Elizabeth. October 2002.

SUBSIDY UNITS CLAIMED

| RUMEP | UNITS | IN PRESS | NON SAPSE |
|-----------------|-------|----------|-----------|
| TOTAL FOR RUMEP | 0.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

SCHOOL OF LANGUAGES

The following members of staff undertook research during 2002:

Ms C Cordell

Ongoing research for doctoral thesis on 16th century French tragic tales

Professor P Fein, French Studies

Monograph on Crébillon fils

Professor F Jaques, French Studies

a) Ongoing research on novels of F Mauriac

b) Research on French decolonisation in Africa as reflected in the South African press.

Mr J Jackson, Classical Studies

Preparation of articles on Suetonius' *The Twelve Caesars*:

a) Suetonius and the First Person

b) Suetonius' presentation of the Caesar outside his *Life*

c) Irony in Suetonius

Mr W Krueger, German Studies

Research into Franz Kafka: "*Metamorphosis*", Theodor Fontane: "*Effi Briest*", Bertold Brecht: "*Der kaukasische Kreidekreis*", Annette von Droste-Hülshoff: "*Die Judenbuche*" and the mediation of German grammar to English speakers.

Ms U Weber, German, Studies

Research into Bernhard Schlink: "*Der Vorleser*", Max Frisch: "*Andorra*", Wolfgang Koeppen: "*Tauben im Gras*", "*Der Tod in Rom*", "*Das Treibhaus*" and on the process of German reunification.

Mrs B Nosilela, African Languages

Languages policy and practice: Multilingualism, access and identity.

Dr G Meintjes

Study of inter-textual aspects of a novel *Kikoejoe* by Etienne van Heerden.

Research on Dutch postcolonial literature.

PROFESSOR P. FEIN

HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Fein, P L-M

Fein, P L-M. "Nouvelles du XVIII^e siècle. Textes choisis, présentés et annotés par Henri Coulet. Paris: Gallimard (Bibliothèque de la Pléiade). 2002". *French Studies in Southern Africa*. 2002. 31,149-150.

Jackson, J

Jackson, J. "Review of Catherine Edwards: Suetonius: *The Twelve Caesars*". *Scholia*. 2002. (In Press).

Jaques, F

Jaques, F. "Jacqueline Machabéïs: Malraux. *La tentation du sacré*. Amsterdam Editions Rodopi BV. 2001". *French Studies in Southern Africa*. 2002. 31,145-147.

Marsh, J

Marsh, J. "La représentation des chefs traditionnels et contemporains dans *Monné, outrages et défis*". *Etudes Francophones*. 2002. XVII(1),49-62.

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

i. Local Conferences (Within South Africa)

Fein,P L-M

Fein,P L-M. "Le Roman par lettre: vraisemblance et séparation". *Association for French Studies in Southern Africa.* University of Natal, Durban. September 2002. 32.

Jaques,F

Jaques,F. "L'engagement Chez Mauriac et Vailland". *Association for French Studies in Southern Africa.* University of Natal, Durban. September 2002. 32.

Weber,U

Weber,U. "The banality of evil Dealing with the Holocaust in contemporary German literature". *Colloquium on Bernhard Schlink.* Rhodes University, Grahamstown. November 2002.

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

ii. International Conferences (Outside South Africa)

Jaques,F

Jaques,F. "F Mauriac: *La Pharisienne*". *Société F Mauriac.* University of Genoa, Genoa. Italy. May 2002.

Nosilela,B

Nosilela,B. "Language Policy and practice in eastern Cape primary schools". *AAAL Annual Conference.* Sheraton City Centre, Salt Lake City Utah. United States of America. April 2002. 58.

OVERSEAS RESEARCH AND/OR FURTHER STUDY

Fein,P L-M

Fein,P L-M. University of Paris, Grenoble, Poitiers, Oxford, Paris, Grenoble, Poitier, Oxford & Exeter, France and England. Monograph on Crébillon fils. 30 June - 31 July 2002.

Jaques,F

Jaques,F. University of ICES, Bordeaux 3, La Roche-Sur-Yon,Bordeaux, France. Research on 20th Century French Literature. 3 December 2001 - 30 January 2002.

Weber,U

Weber,U. University of Tuebingen, Leipiz and Essen, Tuebingen, Leipiz and Essen, Germany. German Contemporary Politics and Cultural Matters. 8 December - 19 January 2003.

DISTINGUISHED VISITORS

Professor KH Stoll. University of Mainz-Germersheim, Germersheim, Germany. Seminar. March 2002.

SUBSIDY UNITS CLAIMED

| SCHOOL OF LANGUAGES | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Fein,P L-M | | | |
| <i>Fein,P L-M.</i> "Nouvelles du XVIIIe siècles. Textes choisis, présentés et annotés par Henri Coulet. Paris: Gallimard (Bibliothèque de la Pléiade). 2002". <i>French Studies in Southern Africa.</i> 2002. 31,149-150. | 1.00 | | |
| Jackson,J | | | |
| <i>Jackson,J.</i> "Review of Catherine Edwards: Suetonius: <i>The Twelve Caesars</i> ". <i>Scholia.</i> 2002. (In Press). | 1.00 | Y | Y |
| Jaques,F | | | |
| <i>Jaques,F.</i> "Jacqueline Machabéïs <i>Malraux. La tentation du sacré.</i> Amsterdam Editions Rodopi BV. 2001". <i>French Studies in Southern Africa.</i> 2002. 31,145-147. | 1.00 | | |

| | | | |
|---|------|--|---|
| Marsh,J | | | |
| <i>Marsh,J. "La représentation des chefs traditionnels et contemporains dans Monné, outrages et défis". Etudes Francophones. 2002. XVII(1),49-62.</i> | 1.00 | | Y |
| TOTAL FOR SCHOOL OF LANGUAGES | 4.00 | | |
| TOTAL IN PRESS | 1.00 | | |
| TOTAL NON SAPSE | 2.00 | | |

SOCIAL DEVELOPMENT (EAST LONDON)

In 2002 our staff members continued to submit articles to journals and periodicals. Mr McLeod's article on "*The exploration of the factors which promote and impede correctional supervision with regards to juvenile or young offenders*" was published in the Social Work/Maatskaplike Werk Journal.

It is pleasing to report that one of the staff members, Mrs Lee McCoy, submitted her half-thesis in fulfilment of the requirements for the degree of Master of Social Science. Her research topic was "*The use of social work services in Criminal Matters: An exploration of East London attorneys*".

Staff members attended several workshops presented by professionals in the field of social work and psychology as part of staff development.

One of the highlights of 2002 was the conference on Probation hosted by the Department of Social Development, Rhodes University, East London. Speakers who presented included two staff members from the Department of Social Work, De Montford University, United Kingdom.

MS. P. FRONEMAN
ACTING HEAD OF DEPARTMENT

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Clarke McLeod,PG

Clarke McLeod,PG and van Zyl,C. "An exploration of the factors which promote and impede correctional supervision with regard to juvenile or young offenders". *Social Work/Maatskaplike Werk*. 2002. 38(2),115-130.

Coughlan,F

Coughlan,F and Taylor,G. "Abortion as a personal issue - moving beyond the politics". *Social Work Practitioner-Researcher*. 2001. 13(3),104-112.

Coughlan,F and Froneman,AP

Coughlan,F and Froneman,AP. "Child custody evaluations: the criteria used by social workers". *Social Work Practitioner-Researcher*. 2002. 14(1),96-106.

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

i. Local Conferences (Within South Africa)

Clarke McLeod,PG

Clarke McLeod,PG. *Probation and Correctional Practice*. Rhodes University, East London. September 2002.

Froneman,AP

Froneman,AP. *Probation and Correctional Practice*. Rhodes University, East London. September 2002.

Maistry,SM

Maistry,SM. *A call for co-ordinated action for children affected by HIV/Aids*. Eskom Conference Centre, Midrand. June 2002.

Maistry,SM. *Participatory research on Sanitation, Hygiene Practice and Promotion*. Border Technikon, East London. June 2002.

Maistry,SM. *Partnerships in Community Development*. Centre for Social Development, Grahamstown. August 2002.

Maistry,SM. "A paradigm shift: Exploring a conceptual frame work for probation and correctional supervision of youth in the social development model". *Probation and Correctional Practice*. Rhodes University, East London. September 2002.

Maistry,SM. *Strategic Planning Workshop Provincial Department of Social Development*. Fish River Sun, Fish River. November 2002.

McCoy,LH

McCoy,LH. Probation and Correctional Practice. Rhodes University, East London. September 2002.

DISTINGUISHED VISITORS

Dr FC Coughlan. Wits University, Johannesburg, South Africa. To present a research workshop. March 2002.

SUBSIDY UNITS CLAIMED

| SOCIAL DEVELOPMENT | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Clarke McLeod,PG | | | |
| <i>Clarke McLeod,PG and van Zyl,C. "An exploration of the factors which promote and impede correctional supervision with regard to juvenile or young offenders". Social Work/Maatskaplike Werk. 2002. 38(2),115-130.</i> | 1.00 | | |
| Coughlan,F | | | |
| <i>Coughlan,F and Taylor,G. "Abortion as a personal issue - moving beyond the politics". Social Work Practitioner-Researcher. 2001. 13(3),104-112.</i> | 1.00 | | |
| Coughlan,F and Froneman,AP | | | |
| <i>Coughlan,F and Froneman,AP. "Child custody evaluations: the criteria used by social workers". Social Work Practitioner-Researcher. 2002. 14(1),96-106.</i> | 1.00 | | |
| TOTAL FOR SOCIAL DEVELOPMENT | 3.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

SOCIOLOGY AND INDUSTRIAL SOCIOLOGY (GRAHAMSTOWN)

The Department enjoyed an active and productive year and several highlights can be singled out.

Professor Fred Hendricks spent the first semester on sabbatical and completed his research on land reform and racial inequality in South Africa as well as on migrant labour, genocides and peasants in Africa. In April he delivered the plenary address at a conference of the Nordic Institute of African Studies in Helsinki, Finland on "Fault-lines in South African democracy." As President of the South African Sociological Association he was actively involved in hosting this Association's annual conference at the East London Division of Rhodes University and he delivered the President's Address at the Conference. He continued his role as editor of the South African Sociological Review and was elected a member of the Academy of Science of South Africa.

Professor Jan K. Coetzee was invited to participate in the final plenary of a conference "The presence of the past: transformation and dealing with the past in Eastern and Central Europe" in Berlin, Germany in May. Later that month his book "Fallen walls: voices from the cells that held Mandela and Havel" (with L. Gilfillan and O. Hulec) was launched. During the second semester he was on academic leave, writing up a project on perceptions of place and space among people living in informal settlements.

Dr Susan Ziehl had a busy year conference-wise. She attended the South African Sociological Association's conference in East London and read a paper: "Globalisation and family patterns", she then attended the International Sociological Association's conference in Brisbane, Australia and presented a paper entitled: "Divorce statistics: A case of the wool being pulled over our eyes?" She was invited to make a presentation at a conference organised by the HSRC and Nedlac on the role of the family in social cohesion and participated in a seminar held at the HSRC in Pretoria on HIV/Aids and fertility. Her book "Population studies" was published by Oxford University Press in Cape Town.

Mr Monty Roodt was commissioned to do research for the United Nations Division for Public Economics and Public Administration, Department of Economic and Social Affairs, New York on "Cross-border local government cooperation for poverty reduction in Africa". The final part of this research entailed the presentation of a paper at a preparatory meeting for the Fifth Africa Governance Forum in Maputo, Mozambique, as well as participation in the forum. He also delivered a paper at an international conference on "Crime, restitution and punishment" at the University of Cape Town.

Mr Michael Drewett attended the "Frontlines: gender, identity and war" conference at Monash University in Melbourne, Australia where he presented a paper entitled "Fracturing representations of militarised masculinity in resistance to the South African Defence Force in the 1980s". He was invited to present a paper on South African music censorship at the 2nd World Conference on Music and Censorship in Copenhagen, Denmark. He researched and produced the documentary film "Stopping the music" (with Douglas Mitchell of the Department of Journalism and Media Studies as director), which he introduced at the film's world premiere at the Danish Film Institute in Copenhagen in September and at Rhodes in October. He also attended and presented a paper at the Narrative, Trauma and Memory Conference at the University of Cape Town.

Mr Gilton Klerck co-authored a chapter "In search of greener pastures: trade unionism in the agricultural sector" in the book edited by F. Barchiesi and T. Bramble **New Perspectives on South African Trade Unionism**. London: Ashgate.

PROFESSOR F. HENDRICKS
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Coetzee,JK

Coetzee,JK, Gilfillan,L and Hulec,O. Fallen walls: voices from the cells that held Mandela and Havel. Lidove Noviny Publishers. Prague. 2002. 194 pp.

Drewett,MD

Drewett,MD. "Music in the struggle to end apartheid: SOUTH AFRICA". In: Cloonan,M and Garofalo, R(eds) Policing Popular Music. Temple University Press. Philadelphia. 2002. 153-165.(In Press).

Ziehl,SC

Ziehl,SC. Population Studies. Bowles, E(eds) Oxford University Press. Cape Town. 2002. 86 pp.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Coetzee,JK

Coetzee,JK. "Life on the periphery: The need for fixed points amidst rapid transition". *Interaction Interview Interpretation*. 2002. 1(1),131-142.

Drewett,MD

Drewett,MD. "Satirical opposition in popular music within Apartheid and Post-Apartheid SOUTH AFRICA". *Society in Transition*. 2002. 33(1),80-95.

Klerck,GG

Klerck,GG. "Trade Union response to the flexible workforce in Namibia incorporation for marginalisation". *African Sociological Review/Revue Africaine De Sociologie*. 2002. 6(2),98-129.

Roodt,JJ

Roodt,JJ. "What is Sociology?". *African Sociological Review/Revue Africaine De Sociologie*. 2002. 6(2),183-186.

Ziehl,SC

Ziehl,SC. "Black South Africans do live in Nuclear Family Households - A response to Russell". *Society in Transition*. 2002. 33(1),26-49.

Ziehl,SC. "Baby Headed Households: Media (Mis) representation and the aids debate". *Society in Transition*. 2002. (In Press).

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

i. Local Conferences (Within South Africa)

Drewett,MD

Drewett,MD. "It's my duty not my choice: Narratives of resistance to the Border War voiced through popular music". *Narrative Trauma and Memory*. University of Cape Town, Cape Town. July 2002.

Drewett,MD. "The critical untrustworthy narrator in popular music: is there a problem?". *17th Symposium of Ethnomusicology*. Grahamstown. September 2002.

Klerck,GG

Klerck,GG. "Flexible Workforce: trade unions and the casualisation of labour in Namibia". *Annual Southern African Sociological Association Conference*. Rhodes University, East London. July 2002.

Ziehl,SC

Ziehl,SC. "Globalisation and Family Patterns". *South African Sociological Association*. East London. June-July 2002.

Ziehl,SC. "The Bases of Social Solidarity in SOUTH AFRICA: Community; Family; Identity and Public Culture". *Beyond Solidarity? Social Cohesion in a Globalized World Conference*. Stellenbosch. July 2002.

Ziehl,SC. "Baby-Headed Households: The Case of the 1996 Census". *DEMSA*. University of the Western Cape, Bellville. September 2002.

Ziehl,SC. "Baby-Headed Households: The Case of the 1996 Census". *ISER Seminar Series*. Rhodes University, Grahamstown. October 2002.

Ziehl,SC. "Fertility: Current SA Issues of Poverty HIV/AIDS and Youth". *HSRC and Department of Social Development*. Pretoria. October 2002.

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

ii. International Conferences (Outside South Africa)

Coetzee,JK

Coetzee,JK. "Weaving the strands together and re-memembering the fragments: The struggle against forgetting". *International Conference The Presence of the Past*. Berlin. Germany. May 2002.

Drewett,MD

Drewett,MD. "The use of satire in popular music in Apartheid and Post-Apartheid SOUTH AFRICA". *11th Conference of the International Association for the Study of Popular Music.* Turku. Finland. July 2001.

Drewett,MD. "Fracturing representations of militarised masculinity in resistance to the South African Defence Force in the 1980s". *Frontlines: Gender Identity and War Conference.* Monash University, Melbourne. Australia. July 2002.

Drewett,MD. "Subversive resistance to the censorship of popular music in SOUTH AFRICA during Apartheid". *2nd World Conference on Music and Censorship.* Copenhagen. Denmark. September 2002.

Ziehl,SC

Ziehl,SC. "Divorce Statistics: A Case of the Wool Being pulled over our eyes?". *XV World Congress of Sociology ISA.* Brisbane. Australia. July 2002.

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

Drewett,MD. Producer, researcher, co-writer. "*Stopping the music*". 54-minute documentary film world premiered. Danish Film Institute. Copenhagen, Denmark. September 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY**Coetzee,JK**

Coetzee,JK. University of Manchester, Manchester, United Kingdom. Research. July 2002.

Coetzee,JK. University of Munster, Munster, Germany. Research Institute for Education. August 2002.

Coetzee,JK. Oriental Institute Academy of Science, Prague, Czech Republic. Research. August 2002.

Coetzee,JK. University of Utrecht, Utrecht, The Netherlands. Research. September 2002.

DISTINGUISHED VISITORS

Professor A Mafeje. UNISA/NRF, Pretoria, Lecture. October 2002.

Professor JFE Ohiorhenuan. United Nations Development Programme, Pretoria, Lecture. April 2002.

SUBSIDY UNITS CLAIMED

| SOCIOLOGY | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Coetzee,JK | | | |
| <i>Coetzee,JK.</i> "Life on the periphery: The need for fixed points amidst rapid transition". <i>Interaction Interview Interpretation.</i> 2002. 1(1),131-142. | 1.00 | | Y |
| Drewett,MD | | | |
| <i>Drewett,MD.</i> "Satirical opposition in popular music within Apartheid and Post-Apartheid SOUTH AFRICA". <i>Society in Transition.</i> 2002. 33(1),80-95. | 1.00 | | |
| Klerck,GG | | | |
| <i>Klerck,GG.</i> "Trade Union response to the flexible workforce in Namibia incorporation for marginalisation". <i>African Sociological Review/Revue Africaine De Sociologie.</i> 2002. 6(2),98-129. | 1.00 | | |
| Roodt,JJ | | | |
| <i>Roodt,JJ.</i> "What is Sociology?". <i>African Sociological Review/Revue Africaine De Sociologie.</i> 2002. 6(2),183-186. | 1.00 | | |
| Ziehl,SC | | | |
| <i>Ziehl,SC.</i> "Black South Africans do live in Nuclear Family Households - A response to Russell". <i>Society in Transition.</i> 2002. 33(1),26-49. | 1.00 | | |
| <i>Ziehl,SC.</i> "Baby Headed Households: Media (Mis) representation and the aids debate". <i>Society in Transition.</i> 2002. (In Press). | 1.00 | Y | |
| TOTAL FOR SOCIOLOGY | 6.00 | | |
| TOTAL IN PRESS | 1.00 | | |
| TOTAL NON SAPSE | 1.00 | | |

SOCIOLOGY AND INDUSTRIAL SOCIOLOGY (EAST LONDON)

For 2002 my research focus was on two related issues: (a) *Public Policy and Livelihood* issues, and (b) *The Political Economy of Africa's Development*. The links between the two are like those between micro and macro-level issues. The *Public Policy and Livelihood* project is concerned with the ways in which macro-level policymaking issues (on the economy and social policy) impact on living conditions. The labour market is seen as the prism through which we will explore the linkages between the micro, house-level issues of livelihood, and the macro-level economic and social policy issues. The study is funded by the JCR. The objective is to use the findings from this study (using secondary data sources) is to feed into a larger study around the same issues.

The project on the *political economy of Africa's development* is concerned with similar issues, except that the critical focus is on the nature of macroeconomic and social policy on the continent and the forces that shape these policies. My concern in 2002 has been to explore these issues in the context of the *New Partnership for Africa's Development* (NEPAD). I have been concerned with locating this initiative in the context of Africa's previous development initiatives, the content of the discourse at the heart of NEPAD, and the manner in which it represents a shift in the balance of social forces on the continent. Findings from this (which is linked to the project on *Public Policy*) were presented at three major international conferences, a colloquium, and two workshops (three outside South Africa and three within South Africa). I am currently working on editing two volumes of papers from two of these conferences for the Council for the Development of Social Science Research in Africa (CODESRIA) and the Third World Network (TWN).

In April 2002, I was invited by the United Nations Research Institute for Social Development (UNRISD) to coordinate the sub-Saharan Africa segment of its global research project on *Social Policy in the Development Context*. This provided a unique opportunity to (a) bring the two strands of my research focus together, (b) link research with capacity building, and (c) to create an institutional context for further research and training on the interface between social policy and development. This process is concerned with establishing an Africa regional *Centre for Social Policy Research* at Rhodes.

PROFESSOR J. O. ADESINA
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Adesina,JO

Adesina,JO. "Human relations and sociology of work: conceptual issues in perspectives". In: Isiugo,UC, Isamah,AN and Adesina, JO(eds) *Currents and perspectives in Sociology*. Malthouse Press. Lagos/Oxford. 2002. 259-273.

Isiugo-Abanihe,UC, Isamah,AN and *Adesina,JO*. *Currents and perspectives in Sociology*. Isiugo,UC, Isamah,AN and Adesina, JO(eds) Malthouse Press. Lagos/Oxford. 2002. 396 pp.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Adesina,JO

Adesina,JO. "Sociology and Yoruba Studies: Epistemic intervention or doing sociology in the vernacular". *African Sociological Review/Revue Africaine De Sociologie*. 2002. 6(1),91-114.

Adesina,JO. "Sociology and Yoruba Studies: Epistemic intervention or doing sociology in the vernacular? (expanded version of ASR paper above)". *Annals of the Social Science Academy of Nigeria*. 2001. 13,57-91.

OTHER PUBLICATIONS

Adesina,JO

Adesina,JO. "Development and the Challenge of Poverty: NEPAD, Post-Washington Consensus and Beyond". CUTS-ARC Policy Briefs. CUTS-ARC. Lusaka. 2002. (2), 1-6.

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

i. Local Conferences (Within South Africa)

Adesina,JO

Adesina,JO. "Development and the Challenge of Poverty: NEPAD, Post Washington Consensus and Beyond". *SASA 2002 Congress*. Regent Hotel, East London. July 2002.

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

ii. International Conferences (Outside South Africa)

Adesina,JO

Adesina,JO. "Development and the Challenge of Poverty: NEPAD, Post Washington Consensus and Beyond". *CODESRIA/TWN Conference: Africa and challenge of 21st century.* Palm Royal Hotel, Accra. Ghana. April 2002.

Adesina,JO. "Africa and the challenge of social policy: The quest for inclusive developmental process". *UN Research Institute for Social Development: Workshop on Social Policy in the Development Context.* Palais des Nations, Geneva, Geneva. Switzerland. April 2002.

Adesina,JO. "NEPAD and the Challenge of Africa's Development". *CODESRIA 10th General Assembly.* International Conference Centre (Nile Hotel), Kampala. Uganda. December 2002.

Jaffray,P

Jaffray,P. "Interpreting Illness: Dominant Discourses in Narratives of Myalgic Encephalomyelitis (ME)". *SASA 2003 Congress.* Regent Hotel, East London. July 2002.

SUBSIDY UNITS CLAIMED

| SOCIOLOGY (East London) | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Adesina,JO | | | |
| <i>Adesina,JO.</i> "Sociology and Yoruba Studies: Epistemic intervention or doing sociology in the vernacular". <i>African Sociological Review/Revue Africaine De Sociologie.</i> 2002. 6(1),91-114. | 1.00 | | |
| <i>Adesina,JO.</i> "Sociology and Yoruba Studies: Epistemic intervention or doing sociology in the vernacular? (expanded version of ASR paper above)". <i>Annals of The Social Science Academy Of Nigeria.</i> 2001. 13,57-91. | 1.00 | | |
| TOTAL FOR SOCIOLOGY (East London) | 2.00 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

STATISTICS

The Department of Statistics continued to offer a statistical consulting service to researchers in other departments and research institutes within the University. Collaborative research with the Department of Zoology and Entomology included multivariate data analyses of the Cape honeybee *Apis mellifera capensis* and the Asian honeybee *Apis cerana*. Six publications emanated from this collaborative research, one of which resulted in establishing a method for estimating variation in the phenotypic expression of morphological characters by thelytokous parthenogenesis in the Cape honeybee.

A quantitative research methodology course was given during the first semester for postgraduate students and researchers in other departments *viz* Management, Botany, Environmental Science and Psychology. It is hoped that the standard of statistical analyses undertaken for Masters and PhD theses will benefit from this course.

PROFESSOR S.E. RADLOFF
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Radloff,SE

Shuttleworth-Edwards,AB, Border,MA, Reid,I and Radloff,SE. "Additive effects of concussion in South African Rugby Union: A case of a little becoming too much?". In: Lovell,MR, Echemendia,RE, Barth,JT and Collins, MW(eds) Sports Neuropsychology. Swets and Zeitlinger. The Lisse, Netherlands. 2002. (In Press).

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Radloff,SE

Beekman,MH, Good,G, Allsopp,MH, *Radloff,SE, Pirk,CWW* and Ratnieks,FLW. "A non-policing honey bee colony (*Apis mellifera capensis*)". *Naturwissenschaften*. 2002. 89,479-482.

Hepburn,HR and Radloff,SE. "*Apis mellifera capensis*: an essay on the subspecific classification of honeybees". *Apidologie*. 2002. 33,105-127.

Neumann,PJ, Radloff,SE and Hepburn,HR. "Parasitic Cape bees in the northern regions of South Africa: source of the founder population". *South African Journal of Science*. 2002. 98,404-406.

Nuru,A, Amssalu,B, Hepburn,HR and Radloff,SE. "Swarming and Migration in the honeybees, *Apis mellifera* in Ethiopia". *Journal of Apicultural Research*. 2002. 40(2),36-41.

Pirk,CWW, Hepburn,HR, Radloff,SE and Erlandsson,J. "Defence posture in the dwarf honeybee, *Apis florea*". *Apidologie*. 2002. 33,289-294.

Radloff,SE, Hepburn,HR, Hepburn,C and de la Rua,P. "Morphometric affinities and population structure of honeybees of the Balearic Islands in the Mediterranean Sea". *Journal of Apicultural Research*. 2002. 40,81-90.

Radloff,SE, Hepburn,HR, Neumann,P, Moritz,RFA and Kryger,P. "A method of estimating variation in the phenotypic expression of morphological characters by thelytokous parthenogenesis in *Apis mellifera capensis*". *Apidologie*. 2002. 33,129-137.

OTHER PUBLICATIONS

Radloff,SE

Irwin,P, Euvrard,G, Radloff,SE and Boughey,C. "Why go to lectures? A survey of student perceptions of the value of lectures". Rhodes University. Grahamstown. 2002.

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

i. Local Conferences (Within South Africa)

Baxter,JS

Baxter,JS. 6th International Conference on Teaching Statistics. Sun International Hotel, Cape Town. July 2002.

Radloff,SE

Maree,K, Court,P and Radloff,SE. "An assessment of certain financial measures as indicators of intellectual value". *11th Annual Conference of the South African Financial Association*. University of Cape Town, Cape Town. January 2002.

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

ii. International Conferences (Outside South Africa)

Radloff,SE

Radloff,SE and Hepburn,HR. "Multivariate morphometric analysis of the *Apis cerana* populations of southern Asia". *The XIV International Congress of the IUSSI*. Hokkaido University, Sapporo. Japan. July 2002.

DISTINGUISHED VISITORS

Professor B Jorgensen. University of Southern Denmark, Odense, Denmark. Seminar. November 2002.

Dr G Matthews. University of Natal, Durban, Seminar. September 2002.

SUBSIDY UNITS CLAIMED

| STATISTICS | UNITS | IN PRESS | NON SAPSE |
|--|-------|----------|-----------|
| Radloff,SE | | | |
| Beekman,MH, Good,G, Allsopp,MH, Radloff,SE, Pirk,CWW and Ratnieks,FLW. "A non-policing honey bee colony (<i>Apis mellifera capensis</i>)". <i>Naturwissenschaften</i> . 2002. 89,479-482. | 0.17 | | |
| Hepburn,HR and Radloff,SE. " <i>Apis mellifera capensis</i> : an essay on the subspecific classification of honeybees". <i>Apidologie</i> . 2002. 33,105-127. | 0.50 | | |
| Neumann,PJ, Radloff,SE and Hepburn,HR. "Parasitic Cape bees in the northern regions of South Africa: source of the founder population". <i>South African Journal of Science</i> . 2002. 98,404-406. | 0.33 | | |
| Nuru,A, Amssalu,B, Hepburn,HR and Radloff,SE. "Swarming and Migration in the honeybees, <i>Apis mellifera</i> in Ethiopia". <i>Journal of Apicultural Research</i> . 2002. 40(2),36-41. | 0.25 | | |
| Pirk,CWW, Hepburn,HR, Radloff,SE and Erlandsson,J. "Defence posture in the dwarf honeybee, <i>Apis florea</i> ". <i>Apidologie</i> . 2002. 33,289-294. | 0.25 | | |
| Radloff,SE, Hepburn,HR, Hepburn,C and de la Rua,P. "Morphometric affinities and population structure of honeybees of the Balearic Islands in the Mediterranean Sea". <i>Journal of Apicultural Research</i> . 2002. 40,81-90. | 0.25 | | |
| Radloff,SE, Hepburn,HR, Neumann,P, Moritz,RFA and Kryger,P. "A method of estimating variation in the phenotypic expression of morphological characters by thelytokous parthenogenesis in <i>Apis mellifera capensis</i> ". <i>Apidologie</i> . 2002. 33,129-137. | 0.20 | | |
| TOTAL FOR STATISTICS | 1.95 | | |
| TOTAL IN PRESS | 0.00 | | |
| TOTAL NON SAPSE | 0.00 | | |

ZOOLOGY AND ENTOMOLOGY

With the return of Martin Hill to entomology at Rhodes, biological control using insects is once again to the fore as a research interest. Martin visited Argentina during the year, and this field trip has produced a potential new biocontrol agent for water hyacinth, one of our most serious invasive weeds. Randall Hepburn visited China in the course of his new project on Asian bees, and this has led to closer ties with Asian scientists in China and other countries, including Myanmar and Thailand. Two staff members made short research trips overseas: Alan Hodgson received a Ray Lankester visiting fellowship to visit the marine biological station in Plymouth, UK; Adrian Craig was able to spend time in the National Museum of Natural History in Washington DC, through a short-term visitor grant from the Smithsonian Institution. Conference presentations took staff and post-graduates to several meetings in South Africa, and also to Namibia, Zimbabwe, Iceland, France, Sweden, Germany, Taiwan and China.

The marine biologists in the department contributed the bulk of the overseas conference presentations. William Froneman was chief scientist on the research cruise of the *Agulhas* in the Southern Ocean, and students under his supervision continue to contribute to this programme. 2002 saw the start of two projects, based in the Department of Zoology and Entomology, on the use of coastal resources in the eastern Cape. Communities close to the coast have used plants and animals from the shore as food for centuries, but poor, populous communities can exert extreme exploitation pressure on the marine ecosystem. The National Ports Authority has provided funding of R1.5 million over 5 years for a major project on the exploitation of coastal living resources. This project examines patterns of utilisation and their effects on the ecosystem, and will develop a strong environmental education thrust within the local communities. A complementary project, funded by the Marine and Coastal Management branch of the Department of Environmental Affairs and Tourism, is focused on the exploitation of mussels. It examines geographic patterns of utilisation (comparing the former homeland area of Ciskei with the Port Alfred district) and relevant aspects of mussel biology. Christopher McQuaid and Sven Kaehler are the senior researchers in both projects, which also involve close collaboration with the ISER and the Department of Anthropology.

PROFESSOR A.J.F.K. CRAIG
HEAD OF DEPARTMENT

BOOKS/CHAPTERS/MONOGRAPHS

Hill,MP

Hill,MP, Center,TD, Cordo,HA and Julien,MH. "Waterhyacinth". In: van Driesche,R, Blossey,B, Hoddle,M, Lyon,S and Reardon, R(eds) Biological Control of Invasive Plants in the Eastern United States. Forest Health and Technology Enterprises Team. West Virginia. 2002. 41-64.

PUBLICATIONS RESEARCH JOURNALS IN ABSTRACT AND/OR FULL PAPER

Bernard,RTF

Gwayi,N and Bernard,RTF. "The effects of melatonin on sperm motility *in vitro* in Wistar rats". *Andrologia*. 2002. 34,391-396.

Brown,CR

Brown,CR, Brand,Z, Brand,TS and van Schalkwyk,SJ. "The effect of dietary energy and protein levels during a breeding season of ostriches (*Struthio camelus domesticus*) on production the following season". *South African Journal of Animal Science*. 2002. 32(4),226-230.

Brown,CR, Brand,Z, Brand,TS and van Schalkwyk,SJ. "The effect of dietary energy and protein levels on condition and production of breeding male ostriches (*Struthio camelus domesticus*)". *South African Journal of Animal Science*. 2002. 32(4),231-238.

Craig,AJFK and Hulley,PE

Craig,AJFK, Hulley,PE and Walter,GH. "Group displays in pale-winged starlings". *African Zoology*. 2002. 37,105-107.

Froneman,PW

Froneman,PW. "Food web structure in three contrasting estuaries determined by stable carbon isotope analysis". *African Journal of Aquatic Sciences*. 2002. 27,107-115.

Froneman,PW. "Seasonal variations in selected physico-chemical and biological variables in the temporarily open/closed Kasouga estuary (South Africa)". *African Journal of Aquatic Sciences*. 2002. 27,117-123.

Froneman,PW. "Response of the biology to three different hydrological phases in the temporarily open/closed Kariega estuary". *Estuarine Coastal and Shelf Science*. 2002. 55(4),535-546.

Froneman,PW. "Trophic cascading in an oligotrophic temperate estuary, South Africa". *Journal of Plankton Research*. 2002. 24,809-816.

Froneman,PW and Bernard,K. "Mesozooplankton community structure in the Southern Ocean upstream of the Prince Edward Islands". *Polar Biology*. 2002. 25,597-604.

Froneman,PW, Pakhomov,EA, Gurney,LJ and Hunt,BP. "Predation impact of carnivorous zooplankton in the vicinity of the Prince Edward Island archipelago in austral autumn 1998". *Deep-Sea Research Part II*. 2002. 49,3243-3254.

Froneman,PW, Pakhomov,EA and Perissinotto,R. "Salp/krill interactions in the Southern Ocean: spatial segregation and implications for the carbon flux". *Deep-Sea Research Part II*. 2002. 49,1881-1907.

Froneman,PW, Pakhomov,EA, Wassermann,PW, Ratkova,T and Arashkevich,E. "Downward flux of biogenic material in the ice edge zone of the Lazarev Sea (Southern Ocean) during a drogue study: Algal sinking versus zooplankton grazing". *Marine Ecology Progress Series*. 2002. 233,73-88.

Froneman,PW and Kaehler,S

Froneman,PW and Kaehler,S. "A herbivore mediated increase in biofilm productivity: Indirect effects of changing microalgal assemblage composition". *Marine Ecology Progress Series*. 2002. 234,15-22.

Froneman,PW and McQuaid,CD

Froneman,PW, Gurney,LJ, Pakhomov,EA and McQuaid,CD. "Diel feeding patterns and daily ration estimates of three subantarctic euphausiids in the vicinity of the Prince Edward Islands (Southern Ocean)". *Deep-Sea Research Part II*. 2002. 49,3207-3227.

Froneman,PW, Anson,IJ, Vumazonke,L, Gulekana,K, Bernard,K, Webb,AM, Leukes,WD, Risien,CM, Thomalla,S, Hermes,J, Knott,M, Anderson,D, Hargey,N, Jennings,M, Veitch,J, Lutjeharms,JRE and McQuaid,CD. "Physical and biological variability in the Antarctic Polar Frontal Zone: Report on research cruise 103 of MV SA Agulhas". *South African Journal of Science*. 2002. 98(11/12),534-534.

Hepburn,HR

Ellis,JD, Neumann,PJ, Hepburn,HR and Elzen,PJ. "Longevity and reproductive success of *Aethina tumida* (Coleoptera: Nitidulidae) fed different natural diets". *Journal of Economic Entomology*. 2002. 95(5),902-907.

Ellis,JD, Pirk,CWW, Hepburn,HR, Kastberger,G and Elzen,PJ. "Small hive beetles survive in honeybee prisons by behavioural mimicry". *Naturwissenschaften*. 2002. 89,326-328.

Elzen,PJ, Westervelt,D, Causey,D, Ellis,JD, Hepburn,HR and Neumann,PJ. "Methods of application of tylosin for American foulbrood control, with effects on small hive beetle (Coleoptera: Nitidulidae) populations". *Journal of Economic Entomology*. 2002. 95,1119-1122.

Hepburn,HR and Radloff,SE. "*Apis mellifera capensis*: an essay on the subspecific classification of honeybees". *Apidologie*. 2002. 33,105-127.

Neumann,PJ and Hepburn,HR. "Behavioural basis for social parasitism of Cape honeybees (*Apis mellifera capensis* Esch.)". *Apidologie*. 2002. 33,165-192.

Nuru,A, Amssalu,B, Hepburn,HR and Radloff,SE. "Swarming and Migration in the honeybees, *Apis mellifera* in Ethiopia". *Journal of Apicultural Research*. 2002. 40(2),36-41.

Pirk,CWW, Neumann,PJ and Hepburn,HR. "Egg laying and egg removal by workers are positively correlated in queenright Cape honeybee colonies (*Apis mellifera capensis* Esch.)". *Apidologie*. 2002. 33,203-211.

Radloff,SE, Hepburn,HR, Neumann,P, Moritz,RFA and Kryger,P. "A method of estimating variation in the phenotypic expression of morphological characters by thelytokous parthenogenesis in *Apis mellifera capensis*". *Apidologie*. 2002. 33,129-137.

Hepburn,HR and Erlandsson,J

Pirk,CWW, Hepburn,HR, Radloff,SE and Erlandsson,J. "Defence posture in the dwarf honeybee, *Apis florea*". *Apidologie*. 2002. 33,289-294.

Hepburn,HR and Hepburn,C

Radloff,SE, Hepburn,HR, Hepburn,C and de la Rua,P. "Morphometric affinities and population structure of honeybees of the Balearic Islands in the Mediterranean Sea". *Journal of Apicultural Research*. 2002. 40,81-90.

Hill,MP

Hill,MP, Byrne,MJ and Currin,S. "The influence of climate on the establishment and success of the biocontrol agent, *Gratiana spadicea* released on *Solanum sisymbriifolium* in South Africa". *Biological Control*. 2002. 24(2),128-134.

Hill,MP and Center,TD. "Field efficacy and predicted host range of the pickerelweed borer, *Bellura densa*, a potential biological control agent of water hyacinth". *Biocontrol*. 2002. 47,231-243.

Hill,MP and Oberholzer,IG. "Laboratory host range testing of the flea beetle, *Pseudolampsis guttata* (LeConte) (Coleoptera: Chrysomelidae), a potential natural enemy for red water fern, *Azolla filiculoides* Lamarck (Pteridophyta: Azollaceae) in South Africa". *The Coleopterists Bulletin*. 2002. 56(1),79-83.

Hodgson,AN

Hodgson,AN, Ben-Ami,F and Heller,J. "Ultrastructure of oogenesis in an ovoviviparous and oviparous freshwater snail (Caenogastropoda) from Israel". *Invertebrate Reproduction and Development*. 2002. 41,1-11.

Pal,P and Hodgson,AN. "An ultrastructural study of oogenesis in a planktonic and a direct developing species of *Siphonaria* (Gastropoda, Pulmonata)". *Journal of Molluscan Studies*. 2002. 68,337-344.

McQuaid,CD

McQuaid,CD, Hunt,BPV and Pakhomov,EA. "Community structure of mesozooplankton in the Antarctic polar frontal zone in the vicinity of the Prince Edward Islands (Southern Ocean): small-scale distribution patterns in relation to physical parameters". *Deep-Sea Research Part II*. 2002. 29,3307-3325.

McQuaid,CD and Lawrie,SM. "Scales of mussel bed complexity: structure, associated biota and recruitment". *Journal of Experimental Marine Biology & Ecology*. 2001. 257,135-161.

McQuaid,CD and Kaehler,S

McQuaid,CD, Pakhomov,EA and Kaehler,S. "Zooplankton community structure in the kelp beds of the sub-Antarctic Prince Edward archipelago: are they a refuge for larval stages?". *Polar Biology*. 2002. 25,778-788.

Neumann,PJ and Hepburn,HR

Neumann,PJ, Radloff,SE and Hepburn,HR. "Parasitic Cape bees in the northern regions of South Africa: source of the founder population". *South African Journal of Science*. 2002. 98,404-406.

Pirk,CWW

Beekman,MH, Good,G, Allsopp,MH, Radloff,SE, Pirk,CWW and Ratnieks,FLW. "A non-policing honey bee colony (*Apis mellifera capensis*)". *Naturwissenschaften*. 2002. 89,479-482.

Villet,MH

Robertson,MP, Peter,CI, Villet,MH and Ripley,BS. "Comparing models for predicting potential distributions of species: A case study using correlative and mechanistic predictive modelling techniques". *South African Journal of Botany*. 2002. 68(2),271-271.

Villet,MH, Everitt,V and Scherman,P-A. "The toxicity of zinc to a selected macroinvertebrate, *Adenophlebia auriculata* (Ephemeroptera: Leptophlebiidae): Method development". *South African Journal of Aquatic Sciences*. 2002. 27(1),31-38.

Robertson,MP, Peter,CI, Villet,MH and Ripley,BS. "Comparing models for predicting potential distributions of species: A case study using correlative and mechanistic predictive modelling techniques". *Ecological Modelling*. 2002. (In Press).

OTHER PUBLICATIONS**Craig,AJFK**

Craig,AJFK. "Outing to Kap River". *Diaz Diary*. 2001. 30(1), 6-7.

Craig,AJFK. "Outing to Kleinemonde". *Diaz Diary*. 2002. 30(2), 12-14.

Villet,MH

Villet,MH. "Medical entomology for students". *African Zoology*. 2002. 37, 260-260.

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

i. Local Conferences (Within South Africa)

Bernard,RTF

Burchell,RK, Parker,DM and Bernard,RTF. "The impact of the cape clawless otter (*Aonyx capensis*) on the endangered fish, *Sandelia bainsii* in the Bloukrans river". *Symposium of the Southern African Wildlife Management Association*. South Africa. September 2002.

Gwayi,N and Bernard,RTF. "The effects of melatonin on sperm motility *in vitro* in Wistar rats". *9th International Symposium on Spermatology*. Cape Town. October 2002.

Parker,DM, Bernard,RTF and Colvin,SA. "The diet of giraffe at the Shamwari Game Reserve, Eastern Cape province, South Africa". *Symposium of the Southern African Wildlife Management Association*. South Africa. September 2002.

Craig,AJFK

Craig,AJFK. "The genus *Ploceus*: unravelling the weavers". *3rd Congress of the Southern African Society for Systematic Biology*. Grahamstown. January 2002. 40.

Hodgson,AN

Hodgson,AN. "Richness of the South African Marine Fauna and some spermatological studies". *9th International Spermatology Congress*. Cape Town. October 2002.

Hodgson,AN and Buckland-Nicks,JA. "Paraspermatogenesis in the Cerithioidea (Gastropoda)". *9th International Spermatology Congress*. Cape Town. October 2002.

Hodgson,AN and Foster,GG. "A preliminary investigation into first-year student interactions with an online self-study assignment: The biological sciences as a case study". *Proceedings of the 32nd Annual Southern African Computer Lecturer's Association Conference (SACLA 2002)*. Fish River Sun, Fish River. July 2002. 1-10.

McQuaid,CD and Villet,MH

Seaman,JA, McQuaid,CD, Villet,MH, Barker,NP and Fergusen,WH. "Population variation in two pulmonate limpets (*Siphonaria capensis* and *S. serrata*) along the South African coast". *Proceedings of the 3rd Congress of the Southern African Association for Systematic Biology*. Rhodes University, Grahamstown. January 2002. 33.

Villet,MH

Kelly,CMR, Barker,NP and Villet,MH. "Phylogenetics of advanced snakes (Caenophidia), from four mitochondrial genes". *Proceedings of the 3rd Congress of the Southern African Society for Systematic Biology*. Grahamstown. January 2002. 23. 16-18.

Villet,MH, Robertson,MP, Peter,CI and Ripley,BS. "Comparing models for predicting potential distributions of species: A case study using correlative and mechanistic predictive modelling techniques". *28th Congress of the South African Association of Botanists*. Rhodes University, Grahamstown. January 2002.

Villet,MH, Robertson,MP, Peter,CI and Ripley,BS. "Comparing models for predicting potential distributions of species: A case study using correlative and mechanistic predictive modelling techniques". *Proceedings and Abstracts of the 28th Congress of the South African Association of Botanists*. Grahamstown. January 2002. 66-67.

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

ii. International Conferences (Outside South Africa)

Craig,AJFK, Hulley,PE and Bonnevie,BT

Craig,AJFK, Hulley,PE, Underhill,GD and Bonnevie,BT. "Wing-moult of the Cape White-eye *Zosterops pallidus* in South Africa". *23rd International Ornithological Congress*. Beijing. China. August 2002.

Hepburn,HR

Radloff,SE and *Hepburn,HR*. "Multivariate morphometric analysis of the *Apis cerana* populations of southern Asia". *The XIV International Congress of the IUSSI*. Hokkaido University, Sapporo. Japan. July 2002.

Kaehler,S and McQuaid,CD

Kaehler,S, *McQuaid,CD* and *Cocks,ML*. "Sustainable utilisation of coastal living resources along the south coast of South Africa". *Southern African Marine Science Symposium*. Swakopmund. Namibia. 2002.

McQuaid,CD and Villet,MH

Seaman,J, *McQuaid,CD*, *Villet,MH*, *Barker,NP* and *Fergusen,WH*. "A comparison of molecular techniques used to examine genetic variation in two pulmonate limpets (*Siphonaria capensis* and *S serata*) along the South African Coast". *Southern African Marine Science Symposium*. Swakopmund. Namibia. July 2002.

Rapson,J

Rapson,J. "The diet of lions in small reserves in the Eastern Cape". *Lion Conservation Research Workshop*. Malilangwe. Zimbabwe. October 2002.

Villet,MH

Villet,MH, *Phillips,PK* and *Sanborn,AF*. "Thermal responses of some African cicadas (Hemiptera: Cicadoidea: Cicadidae)". *11th International Auchenorrhyncha Congress*. Potsdam, Berlin. Germany. August 2002. 31.

Villet,MH, *Sanborn,AF* and *Phillips,PK*. "Endothermy in some African platypleurine cicadas (Hemiptera: Cicadoidea: Cicadidae: Platypleura spp.)". *11th International Auchenorrhyncha Congress*. Potsdam, Berlin. Germany. August 2002. 32.

Villet,MH, *Sanborn,AF* and *Phillips,PK*. "Calling behaviour of the cicada *Pycna semiclara* (Germar, 1834) (Hemiptera, Cicadoidea, Cicadidae)". *11th International Auchenorrhyncha Congress*. Potsdam, Berlin. Germany. August 2002. 38.

Villet,MH, *Sanborn,AF* and *Phillips,PK*. "Analysis of the songs of *Platypleura hirtipennis* (Germar, 1834) and *P. plumosa* (Germar, 1834) (Homoptera: Cicadidae)". *Proceedings of the Annual Meeting of the Entomological Society of America*. Fort Lauderdale. USA. November 2002.

OVERSEAS RESEARCH AND/OR FURTHER STUDY**Craig,AJFK**

Craig,AJFK. National Museum of Natural History, Smithsonian Institute, Washington DC, USA. Species limits and hybridisation in weavers (Ploceidae). 1 September - 1 October 2002.

Hodgson,AN

Hodgson,AN. Plymouth Marine Biological Association, Plymouth, USA. Association investigating fertilization biology in marine limpets. September 2002.

DISTINGUISHED VISITORS

Dr M Hausberger. University of Rennes, Rennes, France. Collaborative research on starling vocal behaviour with Prof. Adrian Craig. November 2002.

Dr K Hoehnen. USDA - EBCL, Montpellier, France. Research. September 2002.

Dr P Phillips. American University, Caribbean, USA. Research. December 2002.

Professor A Sanborn. Barry University, Florida, USA. Research. December 2002.

SUBSIDY UNITS CLAIMED

| ZOOLOGY AND ENTOMOLOGY | UNITS | IN PRESS | NON SAPSE |
|---|-------|----------|-----------|
| Bernard,RTF | | | |
| <i>Gwayi,N</i> and <i>Bernard,RTF</i> . "The effects of melatonin on sperm motility <i>in vitro</i> in Wistar rats". <i>Andrologia</i> . 2002. 34,391-396. | 1.00 | | |
| Brown,CR | | | |
| <i>Brown,CR</i> , <i>Brand,Z</i> , <i>Brand,TS</i> and <i>van Schalkwyk,SJ</i> . "The effect of dietary energy and protein levels during a breeding season of ostriches (<i>Struthio camelus domesticus</i>) on | 0.25 | | |

| | | | |
|--|------|--|--|
| production the following season". <i>South African Journal of Animal Science</i> . 2002. 32(4),226-230. | | | |
| <i>Brown,CR, Brand,Z, Brand,TS and van Schalkwyk,SJ. "The effect of dietary energy and protein levels on condition and production of breeding male ostriches (Struthio camelus domesticus)". South African Journal of Animal Science. 2002. 32(4),231-238.</i> | 0.25 | | |
| Craig,AJF and Hulley,PE | | | |
| <i>Craig,AJF, Hulley,PE and Walter,GH. "Group displays in pale-winged starlings". African Zoology. 2002. 37,105-107.</i> | 0.67 | | |
| Froneman,PW | | | |
| <i>Froneman,PW. "Food web structure in three contrasting estuaries determined by stable carbon isotope analysis". African Journal of Aquatic Sciences. 2002. 27,107-115.</i> | 1.00 | | |
| <i>Froneman,PW. "Seasonal variations in selected physico-chemical and biological variables in the temporarily open/closed Kasouga estuary (South Africa)". African Journal of Aquatic Sciences. 2002. 27,117-123.</i> | 1.00 | | |
| <i>Froneman,PW. "Response of the biology to three different hydrological phases in the temporarily open/closed Kariega estuary". Estuarine Coastal and Shelf Science. 2002. 55(4),535-546.</i> | 1.00 | | |
| <i>Froneman,PW. "Trophic cascading in an oligotrophic temperate estuary, South Africa". Journal of Plankton Research. 2002. 24,809-816.</i> | 1.00 | | |
| <i>Froneman,PW and Bernard,K. "Mesozooplankton community structure in the Southern Ocean upstream of the Prince Edward Islands". Polar Biology. 2002. 25,597-604.</i> | 1.00 | | |
| <i>Froneman,PW, Pakhomov,EA, Gurney,LJ and Hunt,BP. "Predation impact of carnivorous zooplankton in the vicinity of the Prince Edward Island archipelago in austral autumn 1998". Deep-Sea Research Part II. 2002. 49,3243-3254.</i> | 0.25 | | |
| <i>Froneman,PW, Pakhomov,EA and Perissinotto,R. "Salp/krill interactions in the Southern Ocean: spatial segregation and implications for the carbon flux". Deep-Sea Research Part II. 2002. 49,1881-1907.</i> | 0.34 | | |
| <i>Froneman,PW, Pakhomov,EA, Wassermann,PW, Ratkova,T and Arashkevich,E. "Downward flux of biogenic material in the ice edge zone of the Lazarev Sea (Southern Ocean) during a drogue study: Algal sinking versus zooplankton grazing". Marine Ecology Progress Series. 2002. 233,73-88.</i> | 0.20 | | |
| Froneman,PW and Kaehler,S | | | |
| <i>Froneman,PW and Kaehler,S. "A herbivore mediated increase in biofilm productivity: Indirect effects of changing microalgal assemblage composition". Marine Ecology Progress Series. 2002. 234,15-22.</i> | 1.00 | | |
| Froneman,PW and McQuaid,CD | | | |
| <i>Froneman,PW, Gurney,LJ, Pakhomov,EA and McQuaid,CD. "Diel feeding patterns and daily ration estimates of three subantarctic euphausiids in the vicinity of the Prince Edward Islands (Southern Ocean)". Deep-Sea Research Part II. 2002. 49,3207-3227.</i> | 0.50 | | |
| <i>Froneman,PW, Ansorge,IJ, Vumazonke,L, Gulekana,K, Bernard,K, Webb,AM, Leukes,WD, Risien,CM, Thomalla,S, Hermes,J, Knott,M, Anderson,D, Hargey,N, Jennings,M, Veitch,J, Lutjeharms,JRE and McQuaid,CD. "Physical and biological variability in the Antarctic Polar Frontal Zone: Report on research cruise 103 of MV SA Agulhas". South African Journal of Science. 2002. 98(11/12),534-534.</i> | 0.24 | | |
| Hepburn,HR | | | |
| <i>Ellis,JD, Neumann,PJ, Hepburn,HR and Elzen,PJ. "Longevity and reproductive success of <i>Aethina tumida</i> (Coleoptera: Nitidulidae) fed different natural diets". Journal of Economic Entomology. 2002. 95(5),902-907.</i> | 0.50 | | |
| <i>Ellis,JD, Pirk,CWW, Hepburn,HR, Kastberger,G and Elzen,PJ. "Small hive beetles survive in honeybee prisons by behavioural mimicry". Naturwissenschaften. 2002. 89,326-328.</i> | 0.60 | | |
| <i>Elzen,PJ, Westervelt,D, Causey,D, Ellis,JD, Hepburn,HR and Neumann,PJ. "Methods of application of tylosin for American foulbrood control, with effects on small hive beetle (Coleoptera: Nitidulidae) populations". Journal of Economic Entomology. 2002. 95,1119-1122.</i> | 0.34 | | |
| <i>Hepburn,HR and Radloff,SE. "Apis mellifera capensis: an essay on the subspecific classification of honeybees". Apidologie. 2002. 33,105-127.</i> | 0.50 | | |
| <i>Neumann,PJ and Hepburn,HR. "Behavioural basis for social parasitism of Cape honeybees (<i>Apis mellifera capensis</i> Esch.)". Apidologie. 2002. 33,165-192.</i> | 0.50 | | |
| <i>Nuru,A, Amssalu,B, Hepburn,HR and Radloff,SE. "Swarming and Migration in the honeybees, <i>Apis mellifera</i> in Ethiopia". Journal of Apicultural Research. 2002. 40(2),36-41.</i> | 0.75 | | |

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|---|-------|---|--|
| <i>Pirk,CWW, Neumann,PJ and Hepburn,HR. "Egg laying and egg removal by workers are positively correlated in queenright Cape honeybee colonies (Apis mellifera capensis Esch.)". Apidologie. 2002. 33,203-211.</i> | 0.67 | | |
| <i>Radloff,SE, Hepburn,HR, Neumann,P, Moritz,RFA and Kryger,P. "A method of estimating variation in the phenotypic expression of morphological characters by thelytokous parthenogenesis in Apis mellifera capensis". Apidologie. 2002. 33,129-137.</i> | 0.20 | | |
| Hepburn,HR and Erlandsson,J | | | |
| <i>Pirk,CWW, Hepburn,HR, Radloff,SE and Erlandsson,J. "Defence posture in the dwarf honeybee, Apis florea". Apidologie. 2002. 33,289-294.</i> | 0.75 | | |
| Hepburn,HR and Hepburn,C | | | |
| <i>Radloff,SE, Hepburn,HR, Hepburn,C and de la Rua,P. "Morphometric affinities and population structure of honeybees of the Balearic Islands in the Mediterranean Sea". Journal of Apicultural Research. 2002. 40,81-90.</i> | 0.50 | | |
| Hill,MP | | | |
| <i>Hill,MP, Byrne,MJ and Currin,S. "The influence of climate on the establishment and success of the biocontrol agent, Gratiana spadicea released on Solanum sisymbriifolium in South Africa". Biological Control. 2002. 24(2),128-134.</i> | 0.34 | | |
| <i>Hill,MP and Center,TD. "Field efficacy and predicted host range of the pickerelweed borer, Bellura densa, a potential biological control agent of water hyacinth". Biocontrol. 2002. 47,231-243.</i> | 0.50 | | |
| <i>Hill,MP and Oberholzer,IG. "Laboratory host range testing of the flea beetle, Pseudolampsis guttata (LeConte) (Coleoptera: Chrysomelidae), a potential natural enemy for red water fern, Azolla filiculoides Lamarck (Pteridophyta: Azollaceae) in South Africa". The Coleopterists Bulletin. 2002. 56(1),79-83.</i> | 0.50 | | |
| Hodgson,AN | | | |
| <i>Hodgson,AN, Ben-Ami,F and Heller,J. "Ultrastructure of oogenesis in an ovoviviparous and oviparous freshwater snail (Caenogastropoda) from Israel". Invertebrate Reproduction and Development. 2002. 41,1-11.</i> | 0.34 | | |
| <i>Pal,P and Hodgson,AN. "An ultrastructural study of oogenesis in a planktonic and a direct developing species of Siphonaria (Gastropoda, Pulmonata)". Journal of Molluscan Studies. 2002. 68,337-344.</i> | 1.00 | | |
| McQuaid,CD | | | |
| <i>McQuaid,CD, Hunt,BPV and Pakhomov,EA. "Community structure of mesozooplankton in the Antarctic polar frontal zone in the vicinity of the Prince Edward Islands (Southern Ocean): small-scale distribution patterns in relation to physical parameters". Deep-Sea Research Part II. 2002. 29,3307-3325.</i> | 0.34 | | |
| <i>McQuaid,CD and Lawrie,SM. "Scales of mussel bed complexity: structure, associated biota and recruitment". Journal of Experimental Marine Biology & Ecology. 2001. 257,135-161.</i> | 0.50 | | |
| McQuaid,CD and Kaehler,S | | | |
| <i>McQuaid,CD, Pakhomov,EA and Kaehler,S. "Zooplankton community structure in the kelp beds of the sub-Antarctic Prince Edward archipelago: are they a refuge for larval stages?". Polar Biology. 2002. 25,778-788.</i> | 0.67 | | |
| Neumann,PJ and Hepburn,HR | | | |
| <i>Neumann,PJ, Radloff,SE and Hepburn,HR. "Parasitic Cape bees in the northern regions of South Africa: source of the founder population". South African Journal of Science. 2002. 98,404-406.</i> | 0.67 | | |
| Pirk,CWW | | | |
| <i>Beekman,MH, Good,G, Allsopp,MH, Radloff,SE, Pirk,CWW and Ratnieks,FLW. "A non-policing honey bee colony (Apis mellifera capensis)". Naturwissenschaften. 2002. 89,479-482.</i> | 0.17 | | |
| Villet,MH | | | |
| <i>Villet,MH, Everitt,V and Scherman,P-A. "The toxicity of zinc to a selected macroinvertebrate, Adenophlebia auriculata (Ephemeroptera: Leptophlebiidae): Method development". South African Journal of Aquatic Sciences. 2002. 27(1),31-38.</i> | 0.34 | | |
| <i>Robertson,MP, Peter,CI, Villet,MH and Ripley,BS. "Comparing models for predicting potential distributions of species: A case study using correlative and mechanistic predictive modelling techniques". Ecological Modelling. 2002. (In Press).</i> | 0.25 | Y | |
| TOTAL FOR ZOOLOGY AND ENTOMOLOGY | 20.63 | | |
| TOTAL IN PRESS | 0.25 | | |
| TOTAL NON SAPSE | 0.00 | | |