



UNIVERSITY OF THE FREE STATE • UNIVERSITEIT VAN DIE VRYSTAAT • YUNIVESITHI YA FREISTATA



# RESEARCH REPORT NAVORSINGSVERSLAG

2003 2003 2003 2003 2003 2003 2003 2003 2003 2003 2003

2003

VOLUME 3



CENTENARY EDITION • EEUFESUITGAWE

# RESEARCH REPORT

# NAVORSINGSVERSLAG

2003

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RESEARCH REPORT  
NAVORSINGSVERSLAG

VOLUME 3

2003

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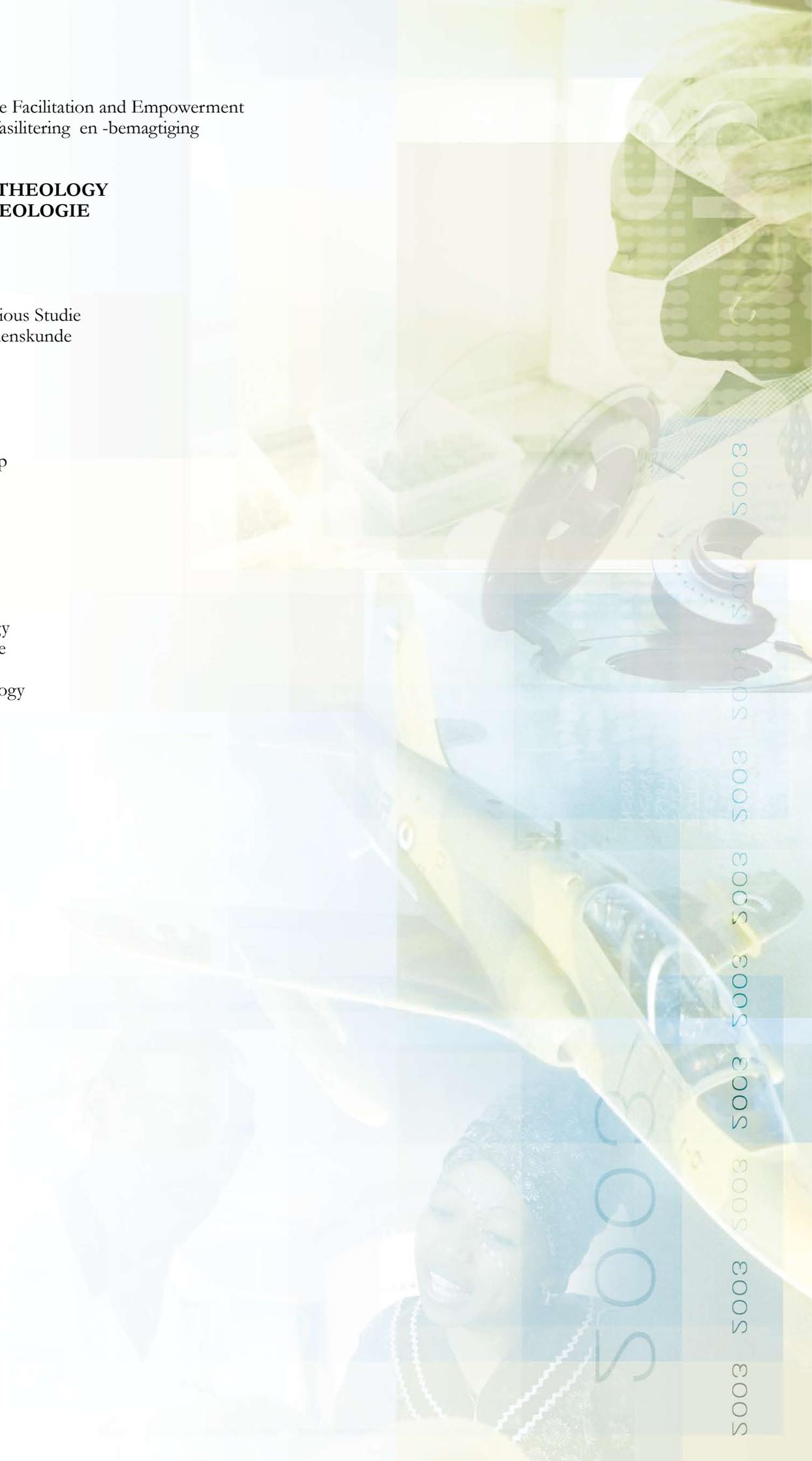
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**Research articles in accredited research journals  
Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

FOURIE, F.C.V.N., BURGER, P.  
Fiscal sustainability and the Southern African transformation challenge. South African Journal of Economics  
2003;71(4):806-829.

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Alt, H. Dr.  
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Holtzhausen, S.M. Dr.  
Mapesela, M. Dr.  
Van der Westhuizen, L.J. Dr.  
Strydom, A.H. Prof.  
Wilkinson, A.C. Prof.

**Chapters in books  
Hoofstukke in boeke**

HAY, H.R.  
Building Minds: Notes on postgraduate studies, research and development. Research Made Easy Part  
2: 2 Postgraduate studies. L.O.K. Lategan, D. Hay, S. Holtzhausen, M. Truscott, W. Vermeulen (eds). 2003.  
Bloemfontein: Technikon Free State. ISBN 0-620-31436-2.

Quality assurance management of postgraduate studies. Research Made Easy Part 2: 2 Postgraduate studies.  
L.O.K. Lategan, D. Hay, S. Holtzhausen, M. Truscott, W. Vermeulen. (eds). 2003. Bloemfontein: Technikon Free  
State. ISBN 0-620-31436-2.

HAY, H.R.  
Planning of postgraduate studies. Research Made Easy Part 2: 2 Postgraduate studies. L.O.K. Lategan, D. Hay, S.  
Holtzhausen, M. Truscott, W. Vermeulen. (eds). 2003. Bloemfontein: Technikon Free State. ISBN 0-620-31436-  
2.

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Types of research in postgraduate studies. Research Made Easy Part 2: 2 Postgraduate studies. L.O.K. Lategan, D. Hay, S. Holtzhausen, M. Truscott, W. Vermeulen. (eds). 2003. Bloemfontein: Technikon Free State. ISBN 0-620-31436-2.

HAY, H.R.

Examining postgraduate studies. Research Made Easy Part 2: 2 Postgraduate studies. L.O.K. Lategan, D. Hay, S. Holtzhausen, M. Truscott, W. Vermeulen. (eds). 2003. Bloemfontein: Technikon Free State. ISBN 0-620-31436-2.

HAY, H.R.

Postgraduate supervision models and logbook. Research Made Easy Part 2: 2 Postgraduate studies. L.O.K. Lategan, D. Hay, S. Holtzhausen, M. Truscott, W. Vermeulen. (eds). 2003. Bloemfontein: Technikon Free State. ISBN 0-620-31436-2.

### **Conference presentations Konferensievoordragte**

ALT, H.

Scholarship and Performance Management. International Conference of NTESU (National Tertiary Education Staff Union) on "Changing Working Conditions In Higher Education" Durban, University of Natal, 9-11 July 2003.

HAY, H.R.

The nuts and bolts of a service learning programme. 13<sup>th</sup> Biannual Conference of the South African Association for Research and Development in Higher Education (SAARDHE), University of Stellenbosch, 25-27 June 2003.

HOLTZHAUSEN, S.M.

Hurdles in the research process: A student perspective. Conference on How to Write for Publication, Technikon Free State, Bloemfontein, 22 May 2003.

HOLTZHAUSEN, S.M.

The supervisor's accountability versus postgraduates' responsibility within the academic writing arena. 13<sup>th</sup> Biannual Conference of the South African Association for Research and Development in Higher Education (SAARDHE), University of Stellenbosch, 25-27 June 2003.

MONNAPULA-MAPESELA, M.L.E., WILKINSON, A.C., JAMA, M.

A model for effective and efficient performance management systems for higher and further education and training institutions in the Free State. International Conference of NTESU (National Tertiary Education Staff Union) on "Changing Working Conditions In Higher Education" Durban, University of Natal, 9-11 July 2003.

MONNAPULA-MAPESELA, M.L.E.

Academic staff satisfaction suffers due to increased learner access and redress. 13<sup>th</sup> Biannual Conference of the South African Association for Research and Development in Higher Education (SAARDHE), University of Stellenbosch, 25-27 June 2003.

MONNAPULA-MAPESELA, M.L.E.

Academic staff satisfaction at a South African University undergoing transformation. International Conference of NTESU (National Tertiary Education Staff Union) on "Changing Working Conditions In Higher Education" Durban, University of Natal, 9-11 July 2003.

MONNAPULA-MAPESELA, M.L.E., ALT, H., STRYDOM, K.

International competitiveness and community development with specific reference to research on interinstitutional collaboration through cooperative academic programmes" during the Biannual Conference of the South African Association for Research and Development in Higher Education (SAARDHE), University of Stellenbosch, 25-27 June 2003.

VAN DER WESTHUIZEN, L.J.

Change management to achieve financial sustainability: A case study. 43<sup>rd</sup> Association for Institutional Research Annual Forum, Tampa, USA, 19 May 2003.



HOLTZHAUSEN, S.M.

Report on new academic staff members. 29 August 2003. Bloemfontein: University of the Free State, Centre for Higher Education Studies and Development.

HOLTZHAUSEN, S.M.

Report on interviewing skills. 4 September 2003. Bloemfontein: University of the Free State, Centre for Higher Education Studies and Development.

HOLTZHAUSEN, S.M.

Report on designing open learning material. 17 September 2003. Bloemfontein: University of the Free State, Centre for Higher Education Studies and Development.

HOLTZHAUSEN, S.M.

Report on office administration and management. 1, 6, 17, 29 October 2003. Bloemfontein: University of the Free State, Centre for Higher Education Studies and Development.

HOLTZHAUSEN, S.M.

Report on assessment of student learning. 20-21 October 2003. Bloemfontein: University of the Free State, Centre for Higher Education Studies and Development.

MONNAPULA-MAPESELA, M.L.E.

A report on the effect of transformation on academic staff satisfaction at the University of the Free State. 2003. Bloemfontein: University of the Free State, Centre for Higher Education Studies and Development.

MONNAPULA-MAPESELA, M.L.E., ALT, H., STRYDOM, K., VAN NIEKERK, D.

A report on the research conducted at the four Free State Further Education and Training (FET) colleges to determine the state of readiness to implement learnerships and skills programmes. 2003. Bloemfontein, Provincial Department of Education and the Free State Higher and Further Education and Training Trust.

REDELINGHUYS, J.H.

A staff development programme for merged and incorporated South African higher education. (Unpublished Ph.D. thesis). Bloemfontein: Centre for Higher Education Studies and Development, University of the Free State (Promoter: Prof. H.R. Hay).

VAN DER WESTHUIZEN, L., ALT, H.

UFS Examination system 2003: Report on the UFS examination system June 2003. Office of the Vice-Rector: Student Services and Unit for Quality Assurance and Management.

VAN DER WESTHUIZEN, L.J., ERASMUS, M., FOURIE, M.

Proposed Audit Criteria for Service Learning, 2003.

VAN DER WESTHUIZEN, L.J.

The use of regulations, or similar legal instruments, as a form of the law by various agencies and organisations in their quality assurance activities, 2003.

WILKINSON, A.C.

A summary report on the programme self-evaluation pilot project (2002 – 2003) September 2003. Bloemfontein: University of the Free State, Centre for Higher Education Studies and Development.

WILKINSON, A.C., HAY, J.F., FOURIE, M.

What is a good programme? A draft document. 2003. Bloemfontein: University of the Free State, Centre for Higher Education Studies and Development.

### **Research awards and achievements/Acknowledgement of outstanding research contributions Navorsingstoekennings en prestasie/Erkenning van uitstaande bydraes**

VAN WYK, A.

The International Development Co-operation Prize in 2003 for thesis titled “The Development and Implementation of an English Language and Literature Programme for Low-proficiency Tertiary Learners”. (Completed in 2002; Promoter: Prof. H.R. Hay).

## **Membership of Professional and Scientific Associations Lidmaatskap van Professionele en Wetenskaplike Verenigings**

HAY, H.R.

Executive Member of the South African Association for Research and Development in Higher Education  
Member of Die Suid-Afrikaanse Akademie vir Wetenskap en Kuns.  
Member of CHER (Consortium of Higher Education Researchers)  
Member of HERDSA (Australian Society for Higher Education Research and Development).

HOLTZHAUSEN, S.M.

Member of the South African Association for Research and Development in Higher Education

VAN DER WESTHUIZEN, L.J.

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Member of Air (Association for Institutional Researchers)  
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## **Doctor's degree completed Doktersgraad afgehandel**

REDELINGHUYS, Jacobus Nicolaas

A STAFF DEVELOPMENT PROGRAMME FOR MERGED AND INCORPORATED SOUTH AFRICAN  
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## **Research articles in accredited research journals Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

MOHLAHLE, S.J., CALITZ, F.J.W., VAN RENSBURG, P.H.J.J., VERSCHOOR, T., JOUBERT, G., NEL, M.

The family system of schizophrenic state patients compared with other schizophrenic patients. Acta Criminologica  
2003;16(2):10-18.

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**Conference proceedings**  
**Konferensiehandelinge**

STROEBEL, A, SWANEPOEL, F.J.C., PELL, A., GROENEWALD, I.  
Natural Resource Management Strategies and Impacts Related to Smallholder Ruminant Livestock Production Systems in Sub-Saharan Africa. Proceedings of the 9<sup>th</sup> World Conference on Animal Production 2003;259.

STROEBEL, A., SWANEPOEL, F.J.C., PELL, A., GROENEWALD, I.  
Socio-economic Complexities of Smallholder Ruminant Livestock Production Systems in Sub-Saharan Africa: Future Challenges. Proceedings of the 9<sup>th</sup> World Conference on Animal Production 2003:56.

NESAMVUNI, A.E., SWANEPOEL, F.J.C., DAGADA, M.C., STROEBEL, A.  
Interdisciplinary Collaboration between Communities and South African Universities to Advance Knowledge and Practice. International Soil Systems Health Workshop. University of Natal. Pietermaritzburg. 12 – 15 October 2003.

**Published research reports**  
**Gepubliseerde navorsingsverslae**

SWANEPOEL, F.J.C., STROEBEL, A.  
Evaluation Report of Empowerment Policies, Strategies and Performance within the Agricultural Sector of the Free State Province of South Africa. National Department of Agriculture, Pretoria, South Africa. 2003

SWANEPOEL, F.J.C., STROEBEL, A.  
Evaluation Report of Empowerment Policies, Strategies and Performance within the Agricultural Sector of the Northern Cape Province of South Africa. National Department of Agriculture, Pretoria, South Africa. October 2003.

SWANEPOEL, F.J.C., NESAMVUNI, E., NYAMANDE-PITSO, A., DE LANGE, A.O., STROEBEL, A.  
Evaluation of empowerment policies, strategies and performance within the agricultural sector of South Africa. National Department of Agriculture. Pretoria, South Africa. October 2003.

SWANEPOEL, F.J.C., STROEBEL, A.  
Evaluation of the extended first phase of development support by Lux Development to agricultural high schools in the Eastern Cape. Lux Development, Luxembourg. December 2003.

**Acknowledgement of outstanding contributions**  
**Erkenning van uitstaande bydrae**

SWANEPOEL, F.J.C., STROEBEL, A.  
Member of a two-person team commissioned by the Luxembourg Development Agency to evaluate the extended first phase of development support by Lux Development to agricultural high schools in the Eastern Cape.

SWANEPOEL, F.J.C., STROEBEL, A.  
Member of a multi-disciplinary team commissioned by the National Department of Agriculture in South Africa to evaluate the empowerment policies and strategies in South African Agriculture.

SWANEPOEL, F.J.C.  
Extra-ordinary Professor: Centre for Sustainable Agriculture, University of the Free State.

SWANEPOEL, F.J.C.  
Extra-ordinary Professor: University of Fort Hare.

**Prestigious fellowships and grants**  
**Prestigenavorsingsgenootskappe en -toekennings**

STROEBEL, A.  
Awarded a GTZ-bursary to attend the International Rural Development Workshop, 13-15 August 2003 in Durban, South Africa, as prelude to the International Association for Agricultural Economics (IAAE) World Conference.

**Membership of Professional and Scientific Associations  
Lidmaatskap van Professionele en Wetenskaplike Verenigings**

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Vice-Chairperson: Agricultural Research Council

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**Conference presentations  
Konferensievoordragte**

ERASMUS, M.A.

The Natural Affinity' between (Participatory) Action Research and Service-learning in South African Higher Education Institutions. Paper presented at the 10<sup>th</sup> International ALARPM & 15<sup>th</sup> International PAR Conference, University of Pretoria, 21-24 September 2003.

JAFTHA, C.D.

The Role of Community Service Learning in Sustainable Development Programmes, Paper presented at The 2003 InsideOut Conference. Charting Uncertainty: Capital, Community & Citizenship. July 3-5, University of Queensland, Ipswich, Queensland, Australia.

JAFTHA, C.D.

The Role of Community Service Learning in Sustainable Partnership Development – a reflection on the development of a policy framework and practical implementation examples. Paper presented at the JUC Conference. Contemporary Issues in Social Work. October 6 - 8 2003, University of South Africa (Unisa), Pretoria, South Africa.

JAFTHA, C.D.

The Free State Poverty Relief Programme of the Department of Social Development as an Example of Process Management. Paper presented at the Second International Community Service Conference. The Integration of Community Service and Research - more about Elephants and Ivory. October 16 – 17, University of the Free State, Bloemfontein, South Africa.

**Editorships/co-editorships  
Redakteurs/mederedakteurs**

ERASMUS, M.A.

Guest Editor and co-author of a volume of contributions on language empowerment issues, entitled Applied Multilingualism: A Multidisciplinary Perspective on a South African Challenge, Acta Academica Supplementum 2003;2:168-183.

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## Conference proceedings Konferensiehandelinge

HLATSHWAYO, M., SZABO, M.J.P., BECHARA, G.H. MBATI, P.A.

The effect of *Amblyomma cajennense* and *Rhipicephalus sanguineus* saliva on the *in vitro* proliferative responses of T lymphocytes from BALB/c mice. 32<sup>nd</sup> Annual Parasitological Society of Southern Africa conference, Farm Inn, Pretoria, 7<sup>th</sup> – 10<sup>th</sup> October, 2003, Abstract Oral 2003:9.

HLATSHWAYO, M., FERREIRA, B.R., MBATI, P.A.

The effect of *Amblyomma cajennense* and *Rhipicephalus sanguineus* saliva on the *in vitro* proliferative responses of T lymphocytes from BALB/c mice. The 19<sup>th</sup> International Conference of the World Association for the Advancement of Veterinary Parasitology, New Orleans, Louisiana, USA. 10<sup>th</sup> – 14<sup>th</sup> August 2003, Abstract 2003:227.

MTSHALI, M.S., MBATI, P.A., DE WAAL, D.T.

A sero-epidemiological survey of parasites in cattle in the north eastern Free State, South Africa. The 19<sup>th</sup> International Conference of the World Association for the Advancement of Veterinary Parasitology, New Orleans, Louisiana, USA. 10<sup>th</sup> – 14<sup>th</sup> August 2003, Abstract 2003:152.

## Research articles in accredited research journals Navorsingsartikels in geakkrediteerde navorsingstydskrifte

HLATSHWAYO, M., SZABO, M.J.P., BECHARA, G.H., MBATI, P.A.

Cutaneous hypersensitivity induced in rabbits by extracts of the tick *Amblyomma cajennense* (Acari: Ixodidae). Journal of the South African Veterinary Association, 2003;75(1):37-39.

MBATI, P.A., HLATSHWAYO, M., MTSHALI, M.S., MOGASWANE, K.R., DE WAAL, T.D., DIPEOLU, O.O. Ticks and tick-borne diseases of livestock belonging to resource-poor farmers in the eastern Free State of South Africa. Experimental and Applied Acarology 2003;28:217-224.

THEKISOE, M.M.O., MBATI, P.A., BISSCHOP, S.P.R.

Diseases of free-ranging chickens in the Qwaqwa District of the North Eastern Free State province of South Africa. Journal of the South African Veterinary Association, 2003;74(1):14-16.

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Parasitic helminths of veterinary importance in cattle, sheep and goats on communal farms in the North Eastern Free State, South Africa. Journal of the South African Veterinary Association, 2003;74(2):45-48.

## Research articles published in other journals Navorsingsartikels in ander tydskrifte

TONUI, W.K., NGUMBI, P.M, MPOKE S.S, ORAGO, A.S., MBATI, P.A., TURCO, S.J., MKOJI, G.M.

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## Highlights from research findings Glanspunte in navorsingsbevindinge

MBATI, P.A.

PCR conditions for the diagnosis of *Babesia equi* have been optimized and the sensitivity of the test in picking up infections in smear negative animals was established.

**Membership of Professional and Scientific Associations  
Lidmaatskap van Professionele en Wetenskaplike Verenigings**

MBATI, P.

Member of the Research Management Team 'Linking Urban Sanitation Agencies with poor community needs in Southern Africa: a study of Zambia, Zimbabwe and South Africa'.

MBATI, P.

Member of the Expert Review Panel member that evaluated the Amoebiasis Research Unit of the Medical Research Council, Durban.

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**Conference presentations  
Konferensievoordragte**

DU TOIT, P.D., CROUS, M.J.  
Role of values in value-adding in small and medium sized enterprises. 37<sup>th</sup> World Conference, Belfast, Northern Ireland, 15-18 June, 2003.

WIEGAND, G.C., CROUS, M.J.  
Language as strategic innovation for SMEs in emerging economies. 37<sup>th</sup> World Conference, Belfast, Northern Ireland, 15-18 June, 2003.

VAN BUUREN, R.B., CROUS, M.J.  
Real-time strategy implementation in medium sized enterprises. 37<sup>th</sup> World Conference, Belfast, Northern Ireland, 15-18 June, 2003.

**Awards/Prizes of International Conferences  
Toekening/Pryse ontvang by Internasionale Konferensies**

CROUS, M.J.  
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**Chapters in books  
Hoofstukke in boeke**

LAZENBY, J.A.A.  
The business buy-out in Entrepreneurship – a South African perspective, Nieman, G., Hough, J. and Nieuwenhuizen, C. (ed). Van Schaik, Pretoria, 2003: 212-228.

NEL, J.

E-commerce opportunities. In Entrepreneurship – a South African perspective, Nieman, G., Hough, J. and Nieuwenhuizen, C. (eds). Van Schaiks, Pretoria, 2003:329-343.

**Conference proceedings**  
**Konferensiehandelinge**

LAZENBY, J.A.A.

Managerial challenges for managing franchises – a philosophical debate, Proceedings of 2003 EMNET conference in Vienna, Austria, June 26 – 28, 2003.

NEL, J., HUMAN, G.J.P

The use of interactive functions to improve contact efficiency: A marketing perspective. Proceedings of the IADIS International Conference. Www/internet. Algarve, Portugal, 5-8 November 2003, Volume I, Iisaías, P., Karmakar, N. (eds), 2003:45-52

**Conference presentations**  
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LAZENBY, J.A.A.

The impact of quality service on customer satisfaction in the Thaba Nchu Call Centre of Eskom (with D. Teho). SAIBW kongres, Potchefstroom, September 2003.

**Master's degree completed**  
**Magistergraad afgehandel**

NEL, Jacques

CONTACT EFFICIENCY OF WEB SITES: A MARKETING PERSPECTIVE. Cum Laude Supervisor: Mr G.J.P. Human

IMMELMAN, Reaan

LOJALITEITSBEMARKING VAN HANDELSBANKE ONDER PROFESSIONELE GEGRADUEERDES/ LOYALTY MARKETING OF COMMERCIAL BANKS AMONG PROFESSIONAL GRADUATES. Studieleier/Supervisor: Dr. L.P. du Plessis

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**Books**  
**Boeke**

LUBBE, D.S., LUBBE, H.

The entrepreneur of tomorrow and the environment – Van Schaik, ISBN 0-620-30484-7

**Artistic works/presentations**  
**Artistieke werke/aanbiedings**

LUBBE, D.S.

Huwelikswens, Literator 2003;24(1):198

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Marais, J.G.L. Mr/Mnr.  
Pelser A.J. Prof.

**Conference presentations  
Konferensievoordragte**

BOTES, L.

Development and crime: reflections on the South African context, Crime prevention and development conference of the Open Society Foundation for South Africa, Stellenbosch, S.A., June 2003.

BOTES, L.

Social investing in Africa: How can it reach its potential? African Summit of the World Economic Forum, Durban, 11 June 2003.

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Strategies for indigent policy formulation and implementation in urban settlements in South Africa. *South African Journal for Public Administration* 2003;38(2):102-117.

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### **Ongepubliseerde navorsingsverslae**

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PELSER, A.J., MARAIS, L.

State of the Environment Report: Human well-being in the Mangaung Local Municipality. Centre for Development Support, Bloemfontein. 2003.

RICHARDS, R., JOGIAT R., BOTES L.

Municipal cost recovery in four South African Municipalities. Community Agency for Social Enquiry (CASE), Built Environment Support Group (BESG) and Centre for Development Support, 2003.

### **Highlights from research findings Glanspunte in navorsingsbevindinge**

In this short overview of key research outputs of the Centre for Development Support (CDS) four key areas of research are highlighted, i.e. service delivery and municipal cost recovery, local economic development, policy-related research in the low-income housing sector and youth related issues.

Early in 2002, Profs. Lucius Botes (Director of the CDS) and André Pelsler (Senior Research Associate) were requested by the national electricity supplier Eskom (Technology Services International Division) to assist the latter in the development and implementation of a customer loyalty reward programme with the ultimate aim of increasing consumers' payment levels of electricity accounts. Up to that time, Botes and Pelsler had been involved in national surveys on the **non-payment of services** and other studies regarding **municipal cost recovery** for inter alia the National Housing Finance Corporation and the Built Environment Support Group. Eskom felt that their experience in this regard would add value to a programme of this nature. After two years of further research and several national workshops involving various stakeholders to clarify the technical aspects of the programme, the *Eskom Wired to Win Rewards Program* was launched early in 2004. This is a rewards programme that will reward customers for paying their Eskom accounts, or for regularly buying Eskom prepaid vouchers. Rewards will take the form of cash prizes in lucky draws or by redeeming accumulated points for household durables, etc. The pilot programme has only been implemented in Eskom's North East Region, comprising the Pretoria, Khanyamazane, Witbank and Nelspruit areas. Depending on the success of the programme in this region, it will be rolled out on national level. Profs. Pelsler and Botes will, among others, be responsible for monitoring changes in customer behaviour and perceptions for the duration of the pilot programme. To this end three client surveys will be conducted, of which the first – a baseline survey to establish a customer profile – has already been completed.

The CDS regards **Local Economic Development (LED)** as one of the key areas of research. During 2003 the Centre, in collaboration with the Human Sciences Research Council, MXA and Rhodes University, investigated the state of local economic development in the Free State. This research was conducted for the Premier's Economic Advisory Council. The research consisted of a national policy overview, a literature review of key aspects in the Free State, as well as 10 case studies.

The study reveals that LED has indeed become well established in the country and the province, at least as a concept, an ideal, or something to work towards. However, a series of key blockages are impeding the widespread and successful implementation of LED at all levels. Whilst some noteworthy LED successes have been achieved across the country, there are key constraints related to shortages of funds, staff, skill and resources, particularly at local government level.

Another priority research area of the CDS is policy-related research in the **low-income housing** sector. During 2003, the emphasis fell on the following: two market research studies conducted on the size of the rental housing market, a housing need analysis conducted for Harmony Gold, the establishment of a housing research partnership with the Housing Directorates in the Free State/Northern Cape and Lochner Marais completed his Ph.D. on low-income housing policy in the Free State.

The two studies on the market size of rental housing were conducted respectively for the Sol Plaatje Housing Company in Kimberley and for the Social Housing Foundation in the Mangaung Local Municipality (with specific reference to Bloemfontein). In essence, it was found that a definite market exists in both cities and that at least 1 000 housing units could be made available by means of the available subsidy mechanism. The market consists of small, younger families and in terms of location inner cities are preferred. In the case of the Mangaung Local Municipality, it was noteworthy that up to 20% of commuters between Botshabelo and Bloemfontein will consider renting accommodation in Bloemfontein rather than travelling on a daily basis.

The housing need analysis conducted for Harmony Gold included 1 500 individual questionnaires with mineworkers on their perceived housing needs. Historically mineworkers were not allowed to settle permanently in the mining

areas and were housed in compounds. The following main findings can be mentioned. In essence, the majority of mineworkers found the existing living conditions in compounds unacceptable. Furthermore, approximately 50% of mineworkers would like to bring their families with them and have some form of family accommodation near the mine. It also seems that a large percentage of mineworkers who have decided to leave the compounds are residing in informal settlements.

The housing research partnership that was developed consists of various departments at the University of the Free State and the Departments of Housing and Local Government in the Northern Cape and the Free State. It consists of 23 research topics (with various research questions).

Lochner Marais completed his Ph.D. on housing policy in the Free State. He assessed policy in terms of “who received what where” in the Free State and found that the Free State provided the largest housing units in the country but with the lowest levels of infrastructure. Furthermore, housing projects tended to favour smaller urban areas and to some extent neglected the major urban areas of the province. The thesis also provides a framework against which the housing need in the Free State could be assessed, as well as a framework for the spatial distribution of housing subsidies. Six academic articles related to this research have appeared in accredited academic journals. It is expected that continued monitoring and evaluation of policy will take place in the Free State and that an application will be made for funds from the National Research Foundation.

A last research area is regarding **youth issues** in the Free State. The CDS, under the leadership of Dr Lochner Marais, negotiated a research contract of R3 million for the next three years. This is a true flagship research partnership since eight different departments/units/centres from three different faculties are involved to pursue research regarding:

- a youth profile for the Free State province
- the integration of youth-related issues into government-related programmes and structures.
- successes and failures of HIV/AIDS and reproduction prevention/ care programmes
- enrolment figures at all the tertiary institutions in different programmes on an annual basis and their success in finding employment
- the appropriateness of education and training of school leavers and individuals that complete tertiary education
- reasons for the failure and success of youth businesses
- the effectiveness and capacity needs of youth NGOs and developing guidelines to improve their functioning
- the reasons for youth crime
- youth rehabilitation programmes and placement programmes

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### **International collaboration**

#### **Internasionale samewerking**

- Gesellschaft für Technische Zusammenarbeit (GTZ), Germany.
- Missionary Oblates of Mary Immaculate, Roman Catholic Church, Rome, Italy.
- United Nations Office for Project Services: Small Enterprise and Human Development, Geneva. World Economic Forum, Geneva

### **Local collaboration**

#### **Plaaslike samewerking**

### **National partners**

- Built Environment Support Group
- Chief Directorate Population and Development
- Community Agency for Social Enquiry
- Eskom TSI Enterprises
- EON Solutions
- Harmony Gold Mines
- Human Sciences Research Council

- Independent Development Trust
- Khanya Managing Rural Change
- Local Economic Development Agencies (in provinces of Limpopo, Eastern Cape, Northern Cape and Mpumalanga)
- National Departments of Labour and Social Development
- National Housing Finance Corporation
- National Research Foundation
- Open Society Foundation of South Africa: Criminal Justice Initiative
- Rhodes University
- Social Housing Foundation
- United Nations Office for Project Services: Small Enterprise and Human Development
- URBAN ECON

#### **Provincial and local partners**

- Central Business Incorporated, Bloemfontein
- Centre for Health Systems Research and Development, University of the Free State
- Centre for Human Rights, University of the Free State
- Chair in International Agricultural Marketing & Development
- Free State Department of Labour
- Free State Department of Local Government and Housing
- Free State Department of Safety and Security
- Free State Department of Social Development
- Free State Youth Commission
- Human Sciences Research Council
- Mangaung-University of the Free State Community Partnership Programme
- Northern Cape Department of Local Government and Housing
- Unit for Language Facilitation and Empowerment

#### **Membership of Professional and Scientific Associations**

##### **Lidmaatskap van Professionele en Wetenskaplike Verenigings**

BOTES, L.J.S.

Council Member and Executive Committee member: Premier's Economic Advisory Council – Free State.

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Member of the South African Institute of Race Relations.

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#### **Master's degree completed**

##### **Magistergraad afgehandel**

JANSEN VAN VUREN, P.C.

Understanding developmental local government case study of the Hibiscus Coast Municipality. Supervisor/

Studieleier: Mr L. Marais

KANGALA, K.R.

Towards participatory development communication: A case study of the Soshanguve multipurpose community centre. Supervisor/Studieleier: Prof. JC de Wet

KINTU, F.

The status of health care services in the local area of Taung. Supervisor/Studieleier: Mrs E. Janse van Rensburg-Bonthuizen

LINDA, T.T.

A critical assessment of post-apartheid urban renewal: A case study of Alexandra Township. Supervisor/ Studieleier: Mr L. Marais

MACHABA, R.P.

A developmental study to investigate whether a formal education is a determinant of entrepreneurial success.  
Supervisor/Studieleier: Prof K. Lazenby

MAFADZA, E.

The efficiency of the local municipality on indigent policy: The case of Makhado local municipality in Vhembe district of the Limpopo Province. Supervisors/Studieleiers: Profs J.C. Bekker, L.J.S. Botes

MATHEBULA, B.H.

An investigation into the educational needs of visually impaired people (VIP) in the Limpopo Province. Supervisor/Studieleier: Mr F. Steyn

OGOLLA, S.

The causes of, and possible solutions to the post-high school dropout problem within the education system of Lesotho (A focus on the immediate post-high school dropouts of Rankakala region of Qacha's Nek district).  
Supervisor/Studieleier: Prof J. Strauss

RANTSO, L.

Cross provision of Primary Health Care (PHC) in rural areas within specific referral to the Tokologo local area (Hertzogville, Dealesville, and Boshof) of Lejweleputswa health district. Supervisor/Studieleier: Mrs E. Janse van Rensburg-Bonthuizen

SEBOLAO, R.

The exploration of challenges facing black female entrepreneurs in Mangaung – Free State. Supervisor/Studieleier: Prof K. Lazenby

SIMELANE, N.

An evaluation of Makhondvolwane irrigation project in Swaziland. Supervisor/Studieleier: Prof L.K. Oosthuizen

ZWANE, M.P.

A developmental study into the participation of Mangaung High School girls in the game of cricket. Supervisor/Studieleier: Dr S. Botes

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### **Books**

#### **Boeke**

BURGER, P.

Sustainable fiscal policy and economic stability: Theory and practice. New Developments in Modern Economics Series. Edward Elgar: Cheltenham. 2003.

**Conference proceedings**  
**Konferensiehandelinge**

BOOYSEN, F. LE R.

HIV/AIDS-induced Migration: Evidence from the Free State Province. Conference on Migration and Health in Southern Africa, Graduate School of Business, University of Cape Town, Cape Town, 27-29 January 2003.

**Conference presentations**  
**Konferensievoordragte**

BEETS, S.

The use of derivatives to manage interest rate risk in banks. Paper delivered at the Biannual Congress of the Economic Society of South Africa, 17-19 September, Somerset-West

BEETS, S.

Bank crises and the stability of the economy in South Africa. International Atlantic Economic Society, March 2003, Vienna, Austria.

BOOYSEN, F. LE R.

Poverty dynamics and HIV/AIDS-related morbidity and mortality in South Africa. Conference on Empirical Evidence for the Demographic and Socio-Economic Impact of AIDS, HEARD, University of Natal, Durban, South Africa, 26-28 March 2003.

BOOYSEN, F. LE R.

Chronic and Transitory poverty in the face of HIV/AIDS-related morbidity and mortality: Evidence from South Africa. Conference on Chronic Poverty and Development Policy, University of Manchester, Chronic Poverty Research Centre, United Kingdom, 7-9 April 2003.

BOOYSEN, F. LE R.

Urban-Rural Inequalities in Health Care Delivery in South Africa. WIDER conference on Inequality, Poverty and Human Well-being, Helsinki, Finland, 30-31 May 2003.

BOOYSEN, F. LE R., BURGER, P.

"The ties that bind": Poverty, social capital and disease. Symposium of the "Suid-Afrikaanse Akademie vir Wetenskap en Kuns", University of Pretoria, Pretoria, South Africa, 19-20 June 2003.

BOOYSEN, F. LE R., GELDENHUYS, J.P., MARINKOV, M.

The Impact of HIV/AIDS on the South African Economy: A Review of Current Evidence. TIPS/DPRU Forum on the Challenge of Growth and Poverty: The South African Economy since Democracy, Indaba Hotel, Johannesburg, South Africa, 8-10 September 2003.

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BOOYSEN, F. LE R., MKIZE, D.

The representation of the budget in cartoons in South African newspapers (1976-2003). Biannual conference of the Economic Society of South Africa on Africa's Millennium: Trade, Investment and Economic Growth, Lord Charles Hotel, Somerset-West, South Africa, 17-19 September 2003.

BURGER, P., BOOYSEN, F. LE R., JANSE VAN RENSBURG, L., MKIZE, D.

"Talk is cheap; money buys the whiskey": Fiscal policy in the old and new South Africa (1977-2003). Biannual conference of the Economic Society of South Africa on Africa's Millennium: Trade, Investment and Economic Growth, Lord Charles Hotel, Somerset-West, South Africa, 17-19 September 2003.

BURGER, P., GHEBRESELASSIE, Y.T.

Twin deficit problems in Developing Countries: The case of Eritrea. Paper presented at the 2003 Biennial Conference of the Economic Society of South Africa, at Somerset West, 17-19 September.

BURGER, P., KNEDLIK, T.

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BURGER, P.

Surplus, surplus, who's got the (twin) deficits? Paper presented at the 5<sup>th</sup> Annual Conference of the AHE, held at Nottingham Trent University, Nottingham, UK, on 8-9 July 2003

BOTHMA, L.J., CAMPHER, C.S.

Minimum wages for domestic workers: A comprehensive analysis. Somerset-West; ESSA Conference on Africa's Millennium; Trade, Investment and Economic Growth, September 2003.

PRETORIUS, A.M., DE BEER, J.A.

Towards untangling the determinants of foreign portfolio investment in South Africa. The Biennial Conference of the Economic Society of South Africa, Somerset West. 2003

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The changing face of capital flows in a globalised world: The case of South Africa, part of the international conference on “Globalization and Entrepreneurship: Fears, Challenges and Opportunities”, hosted by the Faculty of Economics and Tourism “Dr Mijo Mirkovic”, University of Rijeka in Pula, Croatia from 24-26 April 2003.

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The impact of globalisation on the labour market in South Africa: Evidence from the manufacturing sectors part of the international conference on “Globalization and Entrepreneurship: Fears, Challenges and Opportunities, hosted by the Faculty of Economics and Tourism “Dr Mijo Mirkovic”, University of Rijeka in Pula, Croatia from 24-26 April 2003.

VAN NIEKERK, A.

Africa's New Millennium: Trade, Investment and Growth. Paper delivered at the Biannual Congress of the Economic Society of South Africa, 17-19 September 2003 Somerset West.

VAN NIEKERK, A.

Human Capital Development: African Solutions for African Problems. African Renaissance Conference on NEPAD (New Partnership for African Development). 21-24 October 2003, Port Elizabeth.

WESSELS, G.M.

Dollarisation as an alternative exchange rate regime for emerging countries. Paper delivered at the 32<sup>nd</sup> Conference of Economists, Canberra, Australia, October 2003.

WESSELS, G.M.

The suitability of dollarisation as an exchange rate regime for South Africa. Paper delivered at the Biannual Congress of the Economic Society of South Africa, 17-19 September 2003, Somerset West

#### **Research articles in accredited research journals**

#### **Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

FOURIE, F.C.V.N, BURGER, P.

Fiscal sustainability and the South African transformation challenge. South African Journal of Economics 2003;71:4

BACHMANN, M., BOOYSEN, F. LE R.

Health and Socioeconomic Impact of HIV/AIDS on South African Households: Cohort Study. BMC Public Health 2003; 3:14. Available: [www.biomedcentral.com/1471-2458/3/14](http://www.biomedcentral.com/1471-2458/3/14).

BOOYSEN, F. LE R.

The Extent of and Explanations for Provincial Disparities in Progress on Reconstruction and Development in South Africa. *Development Southern Africa* 2003;20(1):21-48.

BOOYSEN, F. LE R., ARNTZ, T.

The Methodology of HIV/AIDS Impact Studies: A Review of Current Practices. *Social Science and Medicine* 2003;56:2391-2405.

BOOYSEN, F. LE R.

HIV/AIDS and Poverty: Evidence from the Free State province. *South African Journal of Economic and Management Sciences* 2003;6(2):419-438.

BOOYSEN, F. LE R.

Vocational rehabilitation for high-risk groups: Determinants of occupational injury and disease in South Africa. *South African Journal of Occupational Therapy* 2003; November.

BOOYSEN, F. LE R.

Urban-rural Inequalities in Health Care Delivery in South Africa. *Development Southern Africa* 2003; December.

BOTHMA, L.J., CAMPHER, C.S

Minimum wages for domestic workers: A comprehensive analysis. *Acta Academica* 2003;35(1):190-205.

BURGER, P.

Human capital development and the net worth of government. *South African Journal of Economics*. 2003;71

#### **Unpublished research reports**

#### **Ongepubliseerde navorsingsverslae**

BOOYSEN, F. LE R., BACHMANN, M., MATEBESI, Z., MEYER, J.

The Socio-economic Impact of HIV/AIDS on Households in South Africa: Pilot study in Welkom and Qwaqwa, Free State Province. Centre for Health Systems Research & Development, Bloemfontein. 2003: 197.

MOSES, I.J., CAMPHER, C.S.

Review of the Free State Economy from 1980 to 2002. National Intelligence Agency. August 2003

MOSES, I.J., CAMPHER, C.S.

Public hearings on the Economic Strategy of the Department of Economic, Environmental Affairs & Tourism, Free State Province. Free State Legislature. November 2003

#### **Editorships/co-editorships**

#### **Redakteurs/mederedakteurs**

BOOYSEN, F. LE R.

Member of editorial committee: *Journal of Social Aspects of HIV/AIDS*

BURGER, P.

Assistant editor of *Acta Academica*

#### **Highlights from research findings**

#### **Glanspunte in navorsingsbevindinge**

MOSES, I.J.

Research Convener: Economic Profile of the Free State for the Premier's Economic Advisory Council. (Research conducted by Urban-Econ)

**International collaboration**  
**Internasionale samewerking**

KNEDLIK, T., BURGER, P.

Optimale Geldpolitiek in kleinen offenen Volkswirtschaften – ein Modell. Berichte aus dem Weltwirtschaftlichen Colloquium der Universität Bremen Nr 80. Institute for World Economics and International Management. 2003.

**Membership of Professional and Scientific Associations**  
**Lidmaatskap van Professionele en Wetenskaplike Verenigings**

BOOYSEN, F. LE R.

Economic Society of South Africa

BURGER, P.

Economic Society of South Africa

PRETORIUS, A.M.

Economic society of South Africa

WESSELS, G.M.

Economic society of South Africa

**Doctor's degree completed**  
**Doktersgraad afgehandel**

MOSTERT, Jacobus Willem

DIE PROBLEMATIEK RONDOM DIE REGULERING VAN BANKE/THE PROBLEMS REGARDING THE REGULATION OF BANKS. PROMOTER: Prof. H. van Zyl

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Boshoff, E. Miss/Mej.

**Conference presentations**  
**Konferensievoordragte**

PIENAAR, J.W.

An exploratory study of the differences regarding work stress and psychological burnout, between white and black middle management staff in a South African service organisation. International Conference On Advances in Management (ICAM) (Korea) Seoul, South Korea, 2003.

VAN ZYL, E.S.

Management modeling behaviour: An important prerequisite for the implementation of business ethics. International Conference On Advances in Management (ICAM) (Korea) Seoul, South Korea, 2003.

BOSHOFF, E., VAN ZYL, E.S.

The role of the human resource management function in the development and implementation of an ethical corporate culture. International Conference On Advances in Management (ICAM) (Korea) Seoul, South Korea, 2003.

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

VAN WYK, R., BOSHOFF, A.B., BESTER, C.L.  
Possible cognitive processes underlying competency assessment. SA Journal of Industrial Psychology  
2003;29(3):51-58.

VAN WYK, R., BOSHOFF, A.B., BESTER, C.L.  
Entrepreneurial attitudes: What are their sources? SA Journal of Economic and Management Sciences  
2003;6(1):24.

**Research articles published in other journals**  
**Navorsingsartikels in ander tydskrifte**

PIENAAR, J.W.  
Jou loopbaanplan is in jou hande. Bylae tot Volksblad, 5 Mei 2003.

PIENAAR, J.W.  
Wenke om werk te kry en dit te behou. Bylae tot Volksblad, 5 Mei 2003.

PIENAAR, J.W.  
Werkdepressie 'n werklikheid. Bylae tot Volksblad, 25 Julie 2003.

**Master's degree completed**  
**Magistergraad afgehandel**

JONES, Brenton Henry  
LEADERSHIP STYLES OF LOWER AND SENIOR LEVEL MANAGEMENT WITHIN A MINING  
COMPANY. Supervisor: Prof. M. Kotze

**DEPARTMENT OF PUBLIC MANAGEMENT**  
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Luvuno, L.L. Dr.  
Sindane, A.M. Dr.

**Chapters in books**  
**Hoofstukke in boeke**

KROUKAMP, H.J.  
Education and training for public administration reform: An African and South African perspective, in Rosenbaum, A. & Gajdosova, L. (eds.), State modernization and decentralization – implications for education and training in public administration: Selected Central European and global perspectives, New York, United Nations, January 2003.



SINDANE, A.M.

The odd couple: Public management versus politics. Paper delivered at the Biannual Spring School of COLMET, Thaba N'Chu, RSA, from 29 to 31 October 2003.

#### **Research articles in accredited research journals**

#### **Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

BEKKER, J.C.O., BOTES, L., ARNTZ, T.

Strategies for indigent policy formulation and implementation in urban settlements in South Africa, *Journal of Public Administration (SAIPA)* 2003;38(2):102–117.

KROUKAMP, H.J.

Knowledge management and innovation: A case for online teaching at the University of the Free State, *Journal of Public Administration (SAIPA)* 2003;38(3.1):253-265.

SINDANE, A.M.

Establishing administrative culture in South Africa: A case of legitimacy, ethics and trust in the face of globalization, *Journal of Public Administration (SAIPA)* 2003;38(1):2–16.

#### **Unpublished research reports**

#### **Ongepubliseerde navorsingsverslae**

BEKKER, J.C.O.

Report on the implementation of the Batho Pele principles in the Library, Information and Technology Directorate of the Department of Sports, Culture, Science and Technology of Free State Provincial Government, Bloemfontein, 2003.

BEKKER, J.C.O., BENSELER, A.

Report on policy formulation for youth development in Mangaung, Mangaung Local Municipality, Bloemfontein, 2003.

#### **Editorship/co-editorship**

#### **Redakteurs/mederedakteurs**

BEKKER, J.C.O.

Member of Editorial Board: *Journal of Public Administration*.

BEKKER, J.C.O.

Member of Editorial Board: *Administratio Publica*.

KROUKAMP, H.J.

Member of Editorial Committee: *Journal of Public Administration*.

KROUKAMP, H.J.

Member of Editorial Committee: *International Review of Administrative Sciences*.

#### **International collaboration**

#### **Internasionale samewerking**

BELGIUM

Local Governance Unit (LGU): Flemish government-sponsored program for capacity-building in local government in the Free State Province  
Public Management

BELGIUM

Collaborative Public Management and Development Education and Training Project (COLMET): Flemish government-funded project to enhance the performance and management and development capacity of the public sector in the Free State Province  
Public Management

CANADA

Universities of Regina and Saskatchewan  
Public Management

NIGERIA

African Management Education Consortium: World Bank/International Association of Schools and Institutes of Administration (IASIA)  
Public Management

UNITED STATES OF AMERICA

Kansas State University, Kansas, USA  
Public Management

UNITED STATES OF AMERICA

University of North Carolina at Pembroke  
Public Management

**Local collaboration**

**Plaaslike samewerking**

National, provincial and local government in South Africa and the Free State Province  
Public Management

Universities / Technicons offering Public Administration and Management (UP, US, VISTA, TECHOFS, PET, UPE, UCT, UDW, UWC)  
Public Management

**Membership of Professional and Scientific Associations**

**Lidmaatskap van Professionele en Wetenskaplike Verenigings**

BEKKER, J.C.O., DU PLESSIS, L.M., KROUKAMP, H.J., LUVUNO, L.L., SINDANE, A.M.  
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Members: South African Association of Public Administration and Management (SAAPAM)

KROUKAMP, H.J.

Observer member: Network of Institutes and Schools of Public Administration in Central and Eastern Europe (NISPAcee)

KROUKAMP, H.J.

African Representative on the Board of Management: International Associations of Schools and Institutes of Administration (IASIA)

SINDANE, A.M.

Chairperson: Free State Chapter: South African Association of Public Administration and Management (SAAPAM)

**Doctor's degree completed**

**Doktersgraad afgehandel**

MINNAAR, Francois

PROMOTING THE GENERAL WELFARE: PUBLIC SECTOR MANAGEMENT IN THE 21<sup>ST</sup> CENTURY.  
PROMOTER: Prof. J.C.O. Bekker

VAN WYK, Hendrik Andreas

A PERFORMANCE MEASUREMENT APPROACH TO IMPROVE FINANCIAL MANAGEMENT IN PROVINCIAL GOVERNMENTS IN SOUTH AFRICA. PROMOTOR: Prof. H.J. Kroukamp

VAN HOEYLANDT, Ritha Oscar Emelie Thomas

DIE TOEPASSING VAN 'N VOORSIENINGSADMINISTRASIESTELSEL VIR OPENBARE HOSPITAAL-  
APTEKE EN MEDIESE DEPOTS/THE APPLICATION OF A PROVISIONING ADMINISTRATION  
MODEL FOR PUBLIC HOSPITAL CHEMISTS AND MEDICAL DEPOTS. PROMOTER: Prof. F.P. van  
Straaten CO-PROMOTER: Prof. J.C.O. Bekker

**Master's degree completed**

**Magistergraad afgehandel**

MARAIS, Luni

MANAGERIAL SKILLS AND INSTITUTIONAL CAPACITY FOR MUNICIPAL SERVICE DELIVERY.

Supervisor: Prof. H.J. Kroukamp



**FACULTY OF HEALTH SCIENCES  
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Nel, M.M. Prof.

**Research articles in accredited research journals  
Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

FRIEDRICH-NEL, H.S., DE JAGER, L., JOUBERT, G., NEL, M.M.  
Emerging assessment trends in higher education. South African Journal of Higher Education 2003;17(3)49-65.

**Doctor's degree completed  
Doktersgraad afgehandel**

FRIEDRICH-NEL, Hesta  
AN ASSESSMENT MODEL IN OUTCOMES-BASED EDUCATION AND TRAINING FOR HEALTH SCIENCES AND TECHNOLOGY. PROMOTER: Prof. Dr. M.M. Nel CO-PROMOTER: Prof. Dr. L. de Jager

RAUBENHEIMER, Daleen  
DEVELOPING A MODEL FOR GROUP WORK IN PHASE I AND II OF THE M.B.,CH.B.-LEARNING PROGRAMME AT THE UNIVERSITY OF THE FREE STATE. PROMOTER: Prof. M.M. Nel CO-PROMOTER: Prof. S.A. Petersen

VAN VUUREN, Susanna  
DIE ONTWIKKELING VAN 'N RAAMWERK VIR PERSONEELONTWIKKELING IN DIE SKOOL VIR AANVULLENDE GESONDHEIDSBEROEPE, UNIVERSITEIT VAN DIE VRYSTAAT. PROMOTOR: Prof. M.M. Nel MEDEPROMOTOR: Mev. S.M. van Heerden

**Master's degree completed  
Magistergraad afgehandel**

KRIEL, Stefanus Johannes  
THE NEEDS AND OPPORTUNITIES FOR POST-GRADUATE EDUCATION AND TRAINING PROGRAMMES FOR THE OPTOMETRY PROFESSION IN POST-APARTHEID SOUTH AFRICA. Cum laude Supervisor: Prof. M.M. Nel

**STUDENT LEARNING DEVELOPMENT DIVISION  
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**Research articles in accredited research journals  
Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

BEYLEFELD A., JOUBERT G, JAMA M.P., DE KLERK B.  
Lecturers, students and community members sharing the responsibility of assessing project-based poster presentations. South African Journal of Higher Education 2003;17(2):5-12.

**DEPARTMENT OF ANAESTHESIOLOGY  
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Meyer, J.S. Mr/Mnr.  
Odendaal, C.L. Prof.  
Reyneke, M. Ms/Me.

**Conference proceedings  
Konferensiehandelinge**

DIEDERICKS, J.  
Burns: resuscitation, anaesthesia and analgesia. SASA 2003 Congress Proceedings, 2003:188-197.

DIEDERICKS, J.  
Acute Pain Control in the paediatric patient. SASA 2003 Congress Proceedings, 2003:121-131.

DOWIE, J.G.  
Recent ventilatory strategies – are they beneficial?. SASA 2003 Congress Proceedings, 2003:336-349.

KRUGER, P.J.A.  
Paediatric surgical emergencies: update on principles of anaesthetic management. SASA 2003 Congress Proceedings, 2003:132-151.

LAMACRAFT, G.  
The role of the anaesthetist in the management of the theatre as a cost centre. Theatre Management Symposium, Pelonomi, August 2003.

REYNEKE, M., STRAUSS, J.J., BARNARD, J.J., DIEDERICKS, J., REYNEKE, J.J., JOUBERT, G.  
Intra-operative suggestions: Effects on depth of anaesthesia and post-operative outcome. SASA 2003 Congress Proceedings, 2003:353.

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

MEYER, J.S.  
The role of the anaesthetist during biological, chemical or nuclear incidents. Southern African Journal of Anaesthesia and Analgesia 2003;9(1):19-22.

ODENDAAL, C.L.  
The management of myofascial pain syndrome. Southern African Journal of Anaesthesia and Analgesia 2003;9(3):19-24.

**Unpublished research reports**  
**Ongepubliseerde navorsingsverslae**

LAMACRAFT, G.  
Audit on equipment, drugs, and personnel and use of regional anaesthesia for caesarean section in the Free State level 1 and 2 hospitals.

**Editorships/co-editorships**  
**Redakteurs/mederedakteurs**

DIEDERICKS, J.  
Editorial Board/Co-Editor: The Southern African Journal of Anaesthesiology and Analgesia  
Editorial Board/Co-Editor: The Internet Journal of Anesthesiology

ODENDAAL, C.L.  
Editorial Board/Assistant editor: The Southern African Journal of Anaesthesiology and Analgesia

**Highlights from research findings**  
**Glanspunte in navorsingsbevindinge**

An audit of apparatus, drugs and manpower in level 1 and 2 hospitals in the Free State showed reasonably adequate facilities, but also critical shortages in terms of equipment and training for caesarean section anaesthesia. These shortages are being addressed by means of additional equipment and specific training courses by the Department of Anaesthesiology (UFS) in spinal anaesthesia for caesarean section. The audit will be repeated next year to determine the success of the interventions.

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**Research awards and achievements/Acknowledgement of outstanding research contributions**  
**Navorsingstoekennings en prestasie/Erkenning van uitstaande bydraes**

LAMACRAFT, G.  
Best Clinical Presentation, Senior, Faculty Forum, UFS 2003. For two presentations on a survey of equipment and drugs in primary and secondary level hospitals in the Free State.

**Prestigious fellowships and grants**  
**Prestigenavorsingsgenootskappe en -toekennings**

LAMACRAFT, G.  
Grant from Free State Provincial Government for investigation and improvement of anaesthesia for caesarean section at level 1 & 2 Hospitals.

**Local collaboration**  
**Plaaslike samewerking**

Department of Health, Free State Provincial Government.

Provincial anaesthetic assessor for the Confidential Inquiry of Maternal Death in SA.

**Membership of Professional and Scientific Associations**  
**Lidmaatskap van Professionele en Wetenskaplike Verenigings**

DIEDERICKS, J.

Councillor: South African Society of Anaesthesiologists

Senator: Kollega vir Geneeskunde van SA

Councillor: South African College of Anaesthetists

Member: Anaesthetic Research Society (UK)

Member: American Society of Anesthesiologists

DOWIE, J.G.

Member: South African College of Anaesthetists

KRUGER, P.J.A.

Member: South African College of Anaesthetists

LAMACRAFT, G.

Member: Royal College of Anaesthetists

ODENDAAL, C.L.

President: Pain Management Society of Southern Africa

Member: International Association for the Study of Pain

Member: American Society of Regional Anaesthesia

VAN DRIEL, K.

Member: South African College of Anaesthetists

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**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

CRONJÉ, H.S., PARHAM, G.P., COOREMAN, B.F., DE BEER, A., DIVALL, P, BAM, R.H.

A comparison of four screening methods for cervical neoplasia in a developing country. *American Journal of Obstetrics and Gynecology* 2003;188:395-400.

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**Conference proceedings  
Konferensiehandelinge**

KRIEK, N., PRETORIUS, G.H.J., BRAGG, R.R. CRONJE, H.S., POTGIETER, F.J.  
The oncolytic properties of two NDV strains. Thirty-Fifth Faculty Forum, Faculty of Health Sciences, UFS,  
Bloemfontein, 28-29 August 2003

**Local collaboration  
Plaaslike samewerking**

Betrokke by die opstel van STANDAARDE SUID-AFRIKA se riglyne vir die gebruik van proefdiere vir navorsing,  
opleiding en die toets van middels. STANSA-dokument SANS 10386.

**Membership of Professional and Scientific Associations  
Lidmaatskap van Professionele en Wetenskaplike Verenigings**

POTGIETER, F.J.  
President: Suid-Afrikaanse Vereniging vir Proefdierwetenskap/South African Association for Laboratory Animal  
Science (SAVP/SAALAS); SA se wetenskaplike lid by die International Council for Laboratory Animal Science  
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Voorsitter: ICLAS Regional Committee for English-speaking Africa

**DEPARTMENT OF BASIC MEDICAL SCIENCES  
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**ANATOMY DIVISION  
AFDELING ANATOMIE**

**Conference proceedings  
Konferensiehandelinge**

LOUW, L.  
The keloid story based on essential fatty acids then and now. Essential Fatty Acids and Eicosanoids. Fifth  
International congress on essential fatty acids and eicosanoids, Taipei, Taiwan, 29 August – 2 September 2002,  
Huang, Y-S., Lin S-J., Huang, P-C. (eds). 2003:285-289. AOCs Press USA. ID#W177(ISBN:1-893997-41-3).

## **Conference presentations Konferensievoordragte**

LOUW, L., NEL, A.

Scar formation: an overview. 33<sup>rd</sup> Annual Conference of the Anatomical Society of Southern Africa, Golden Gate, April 2003.

LOUW, L.

The role of lipids during tumorigenesis and carcinogenesis: an overview and update. Nutrition: A Gambling Game - Symposium on Human Nutrition. Bloemfontein, September 2003.

## **Highlights from research findings Glanspunte in navorsingsbevindinge**

Uit die literatuur is bekend dat melatonien optree as die liggaam se natuurlike anti-oksidadant, asook 'n rol speel in cholesterolmetabolisme. Navorsing in ons departement het aangetoon dat pasiënte met stabiele, bevestigde koronêre vatsiekte en geassosieerde verhoogde bloedcholesterol, voordoen met verlaagde konsentrasies van melatonien. Verdere studies word onderneem om die terapeutiese en prognostiese impak te ondersoek. / From the literature, it is known that melatonin serves as the natural antioxidant of the body, and is a role player in cholesterol metabolism. Research in our department has shown that patients with stable, confirmed coronary artery disease and associated elevated blood cholesterol present with decreased levels of melatonin. Further studies are being done to investigate the therapeutic and prognostic impact of these findings.

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Uitstaande bevindinge is verkry met keloïede navorsing. Vir dekades was die fenomeen 'n raaisel. Die ontstaan van keloïede gebaseer op lipiednavorsing kan nou bydra tot effektiewe behandeling ter voorkoming daarvan. / Prominent results were obtained in keloid research. For decades, this phenomenon has been a mystery. The origin of keloids based on lipid research can now contribute to effective preventative treatment thereof.

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## **Membership of Professional and Scientific Associations Lidmaatskap van Professionele en Wetenskaplike Verenigings**

LOUW, L.

Raadslid: Anatomiese Vereniging van Suider-Afrika / Council member: Anatomical Society of Southern Africa

## **Master's degree completed Magistergraad afgehandel**

TEGEGN, Waleign Nega

PREDICTION OF THE FEMORAL LENGTH FROM MARKERS ON ITS PROXIMAL AND DISTAL ENDS. Supervisor: Mr A.E.F. Gous

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Joubert, G. Prof.  
Nel, M. Ms/Me.

### Research articles in accredited research journals

### Navorsingsartikels in geakkrediteerde navorsingstydskrifte

AFMAN, I.E., CRONJÉ, H.S., JOUBERT, G., BADENHORST, P.N., SCHOON, M.G.

Antinuclear antibody testing in obstetric patients. South African Medical Journal 2003;93:932-937.

BECKER, S., VILJOEN, M.J., BOTMA, Y. BESTER, C.J.

Integration of study material in the problem-based learning method. Curationis 2003:57-61.

BEYLEFELD A., JOUBERT G, JAMA, M.P., DE KLERK, B.

Lecturers, students and community members sharing the responsibility of assessing project-based poster presentations. South African Journal of Higher Education 2003;17(2):5-12.

BRUNOVA, J., BRUNA, J., JOUBERT, G., KONING, M.

Weight gain in patients after therapy for hyperthyroidism. South African Medical Journal 2003;93(7):529-531.

BRÜWER, P., JOUBERT, G., HIEMSTRA, L.A.

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Impact of a nutrition education programme on nutrition knowledge and dietary practices of lower socioeconomic communities in the Free State and Northern Cape. *South African Journal of Clinical Nutrition* 2003;16(3):89-95.

**Master's degree completed**  
**Magistergraad afgehandel**

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PROFILE OF CLINICAL TRIAL BIostatisticians AND UNIVERSITY COURSES TO TRAIN THEM  
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**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

BACHMANN, M.O., ALDERSON, D., PETERS, T.J., BEDFORD, C., EDWARDS, D., WOTTON, S., HARVEY,  
I.M.

Influence of specialization on the management and outcome of patients with pancreatic cancer. *British Journal of Surgery* 2003;90(2):171-177.

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**Chapters in books**  
**Hoofstukke in boeke**

DE VRIES, C.S.  
Imaging of the pregnant patient. 2003;72:616-619

**Conference presentations**  
**Konferensievoordragte**

DE VRIES, C.S  
RF Ablation in Colon Rectal Metastases. SAGES 2003, Sandton

DE VRIES, CS  
RF Ablation for Liver Metastases. Interventional Radiology Congress, Bloemfontein, September 2003

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BRUNOVA, J., BRUNA, J., JOUBERT, G., KONING, M.  
Weight gain in patients after therapy for hyperthyroidism. South African Medical Journal 2003;93(7):529-531.

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**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

BRUWER, P., JOUBERT, G., HIEMSTRA, L.A.  
The 24-hour group practice as possible solution to the after-hour dilemma: Participating patients' and practitioners' opinions. South African Family Practice 2003;45(3):13-18.

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### **Conference proceedings Konferensiehandelinge**

BECKER, R.H.A., FRICK, A.D., WESSELS, D.H., SCHOLTZ, H.E.

Pharmacodynamics and Pharmacokinetics of a New, Rapid-Acting Insulin Analog, Insulin Glulisine. American Diabetes Association, 63<sup>rd</sup> Scientific Sessions, June 13-17, 2003, New Orleans, Louisiana. (Poster presentation)

BURGER, F., POTGIETER, J.H., SCHOLTZ, H.E., MOGILNICKA, E.M.

Syringe mixed versus simultaneously injected insulins: An assessment of the time action and serum HMR 1964 insulin concentration profiles of 0.1 IU/kg HMR 1964 and 0.2 IU/kg NPH insulin using the euglycemic clamp technique. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Poster presentation)

COETZEE, A., JORDAAN, P.J., POTGIETER, L., TERBLANCHÉ, J., MARÉ, H.M., STANDER, H., MATTHEE, A.

Respiratory Nitric Oxide (NO) as an indication of health and disease: Assessment of repeated measurements. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Poster presentation)

COETZEE, A., TERBLANCHÉ, J., POTGIETER, L., HUNDT, H.K.L.

Meloxicam metabolism is dependent on CYP450 Iso-Enzyme activity. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Poster presentation)

DE KOCK, N.J., ZANGENBERG, E., SWART, K.J., HUNDT, H.K.L.

A rapid and sensitive method for the determination of Dehydroepiandrosterone sulphate in human plasma by LC-MS/MS. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Paper)

FRICK, A.D., BECKER, R.H.A., WESSELS, D.H., SCHOLTZ, H.E.

Pharmacokinetic and glucodynamic profiles of insulin glulisine: an evaluation following subcutaneous administration at various injection sites. International Diabetes Federation Congress, Paris, 24-29 August 2003. (Poster presentation)

- HAUNS, B., HÜNNEMEYER, A., DUURSEMA, L., HAUSCHKE, D., ZECH, K., TERBLANCHÉ, J., VENTER, L., BETHKE, T.D.  
Roflumilast and its Active Metabolite Roflumilast N-oxide Do Not Interact with R- and S-Warfarin. – ERS, Vienna, Austria on 27 September 2003 – 01 October 2003.
- JORDAAN, P.J., TERBLANCHÉ, J., BURGER, H., MOLLER, I., STEENKAMP, S.M., MATTHEE, A., POTGIETER, L.  
Preliminary results of crategus therapy in early cardiovascular function impairment. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Paper)
- POTGIETER, M.A.  
The move to electronic data capture (EDC) in clinical trials. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Paper)
- POTGIETER, J.H., JORDAAN, P.J., TERBLANCHÉ, J., SCHOLTZ, H.E., WESSELS, D.W., POTGIETER, M.  
A study to evaluate the Pharmacokinetic Profile of Lignocain Lozenges. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Poster presentation)
- THERON, H.B., JANSEN VAN VUUREN, M., DE JAGER, J.D., HUNDT, H.K.L., SWART, K.J. HUNDT, A.F.  
Selective, sensitive and rapid Liquid Chromatography-tandem Mass Spectrometry method for the determination of Fexofenadine in human plasma. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Paper)
- THERON, H.B., ZANGENBERG, E., SUTHERLAND, F.C.W., HUNDT, H.K.L., SWART, K.J. HUNDT, A.F.  
Selective, sensitive and rapid Liquid Chromatography-tandem Mass Spectrometry method for the determination of Zidovudine in human plasma. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Paper)
- THERON, H.B., COETZEE, C., DE JAGER, A.D., SMIT, M.J., SUTHERLAND, F.C.W., HUNDT, H.K.L., SWART, K.J.  
Selective, sensitive and rapid Liquid Chromatography-tandem Mass Spectrometry method for the determination of Levonorgestrel in human plasma. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Paper)
- VAN DER BIJL, A.M., JORDAAN, P.J., COETZEE, A., MATTHEE, A., FOURIE, M., TERBLANCHÉ, J.  
The reproducibility of VO<sub>2</sub> max in Spiroergometry: An exploratory study. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Poster presentation)
- VAN DER MERWE, J.J., SUTHERLAND, F.C.W., SMIT, M.J., SWART, K.J., HUNDT, H.K.L.  
A highly specific and sensitive LC-MS/MS method for the determination of Glibenclamide in human plasma during pharmacokinetic studies. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Paper)
- VENTER, C.  
Pitfalls in the completion of a CRF. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Paper)
- WIESNER, J.L., SUTHERLAND, F.C.W., VAN ESSEN, G., HUNDT, H.K.L., SWART, K.J. HUNDT, A.F.  
Selective, sensitive and rapid Liquid Chromatography-tandem Mass Spectrometry method for the determination of Alfuzosin in human plasma. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Paper)
- WIESNER, J.L., SUTHERLAND, F.C.W., DE JAGER, A.D., HUNDT, H.K.L., SWART, K.J. HUNDT, A.F., ELS, J.  
Selective, sensitive and rapid Liquid Chromatography-tandem Mass Spectrometry method for the determination of Monic Acid in human plasma. 35<sup>th</sup> Faculty Forum of the Faculty of Health Sciences, University of the Free State, Bloemfontein, S.A. from 28-29 August 2003. (Paper)

**Conference Attended**  
**Konferensie Bygewoon**

JORDAAN, P.J.  
Cardiology at the Limits, 11-13 April 2003, Cape Town, South Africa

JORDAAN, P.J.  
The Changing Environment in Dyslipidemia, 11-12 October 2003, Cape Town, South Africa

MATTHEE, A.  
Cardio-respiratory diagnostics, 14-16 October 2003, Las Vegas, USA

VAN DER BIJL, A.M.  
The Clinical Interpretation of Spiroergometry, 23-25 October 2003, Los Angeles, USA

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

KRITZINGER, S.M., KILIAN, S.G., POTGIETER, M.A., DU PREEZ, J.C.  
The effect of production parameters on the synthesis of the prebiotic trisaccharide, neokestose, by *Xanthophyllomyces dendrorhous* (*Phaffia rhodozyma*). Enzyme and Microbial Technology 2003;32:728-737.

KUERZEL, G.U., SHUKLA, U., SCHOLTZ, H.E., PRETORIUS, S.G., WESSELS, D.H., VENTER, C., POTGIETER, M.A., LANG, A.L., KOOSE, T., BERNHARDT, E.

Biotransformation of Insulin Glargine (LANTUS®) after Subcutaneous Injection in Healthy Subjects. Current Medical Research and Opinion 2003;19(1):32-38.

TERBLANCHÉ, J.  
Abnormal Laboratory Findings in Healthy Subjects. European Pharmaceutical Contractor (EPC) Summer 2003;55-62.

VENTER, C., KRIGE, D.  
Avoiding the Pitfalls when Completing a CRF. European Pharmaceutical Contractor (EPC) Winter 2003;42-44.

WIESNER, J.L., SUTHERLAND, F.C.W., VAN ESSEN, G.H., HUNDT, H.K.L., SWART, K.J., HUNDT, A.F.  
Selective, sensitive and rapid liquid chromatographic-tandem mass spectrometric method for the determination of alfuzosin in human plasma. Journal of Chromatography B 2003;361-368.

WIESNER, J.L., DE JAGER, A.D., SUTHERLAND, F.C.W., HUNDT, H.K.L., SWART, K.J., HUNDT, A.F., ELS, J.  
Liquid chromatography-tandem mass spectrometry method for the determination of meloxicam in human plasma. Journal of Chromatography B 2003;115-121

**Editorships/co-editorships**  
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VAN ROOYEN, Gert Frederick

THE DEVELOPMENT AND VALIDATION OF ASSAY METHODS FOR QUANTITATIVE DETERMINATION OF DRUGS AND THEIR METABOLITES IN BIOLOGICAL SPECIMENS - CLARITHROMYCIN, CARBAMAZEPINE AND CARBAMAZEPINE-10,11-EPOXIDE. Cum laude

Supervisor: Dr. K.J. Swart

WIESNER, Joachim Lubbe

THE DEVELOPMENT AND VALIDATION OF QUANTITATIVE METHODS FOR THE DETERMINATION OF STAVUDINE AND ALFUZOSIN IN PLASMA AND MONIC ACID IN URINE .

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**Research articles in accredited research journals  
Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

AFMAN, I.E., CRONJé, H.S., JOUBERT, G., BADENHORST, P.N., SCHOON, M.G.

Antinuclear antibody testing in obstetric patients. South African Medical Journal 2003;93:932-937.

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THE ONCOLYTIC EFFECTS OF TWO NDV STRAINS Supervisor: Prof. G.H.J. Pretorius Co-Supervisor:

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INVESTIGATING THE GENETIC PROFILE OF THE E-CADHERIN GENE IN SQUAMOUS CARCINOMA OF THE OESOPHAGUS. Supervisor: Prof. G.H.J. Pretorius Co-Supervisor: Dr. N.C. van der

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MOTLOI, Nthabiseng Cecilia

THE SELECTION AND CHARACTERISATION OF NOVEL FACTOR XI INHIBITING PEPTIDE BY USING PHAGE DISPLAY TECHNOLOGY. Supervisor: Dr. S.M. Meiring Co-Supervisor: Prof. G.H.J.

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### **Conference proceedings**

#### **Konferensiehandelinge**

DU TOIT, W

What's in a label? DESSA Workshop, Drakensberg, 30 March 2003.

SLABBER, M.

Complexities of consumer understanding of the Glycaemic Index concept. Nutrition Symposium (South African Nutrition Society), Pretoria, 1 October 2003.

SLABBER, M.

The association between obesity and infertility. Nutrition Symposium. Bloemfontein. 16-18 September, 2003.

SLABBER, M.

Insulienweerstandigheid: Assosiasie met infertiliteit en vetsug Fem-Spes Huisartssimposium. Bloemfontein. 3 Mei 2003.

SLABBER, M

Methodology for determining the Glycaemic Index. DESSA Workshop, Drakensberg. 30 March 2003.

### **Conference presentations**

#### **Kongresvoordragte**

DANNHAUSER, A, WALSH, C, NELL, M.

Energy intake and anthropometrical status of black disabled school children aged 8 to 15 years in Bloemfontein. Faculty Forum, Faculty of Health Sciences, 28-29 August, 2003.

HATTINGH, Z., WALSH, C.M., VELDMAN, F.J., BESTER, C.J.

Insulin sensitivity, body mass index and triglyceride levels of women (25-44yrs) in Mangaung. Faculty Forum, Faculty of Health Sciences Research, Bloemfontein, 28-29 August, 2003.

SEBOTSA, M.L.D., DANNHAUSER, A., JOOSTE, P.L., JOUBERT, G.

Evaluation of the iodine deficiency disorders control program in Lesotho. Faculty Forum, Faculty of Health Sciences, 28-29 August, 2003.

SLABBER, M, WALSH, C.M., VENTER, F.C., BESTER, C.

A valid and reliable tool for determining perceptions of body size in black South African women. Faculty Forum, Faculty of Health Sciences, 28-29 August, 2003.

TALJAARD, H., SLABBER, M., VAN ROOYEN, C.

Application of the current South African Dietary Guidelines for people with diabetes mellitus by dieticians and nurses. Faculty Forum, Faculty of Health Sciences, 28-29 August, 2003.

WALSH, C.M., VELDMAN, F.J., BESTER, C.J.

Nutritional status of women (25-44yrs) in Mangaung. Faculty Forum, Faculty of Health Sciences Research Forum, Bloemfontein, 28-29 August, 2003.

### **Research articles in accredited research journals**

#### **Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

KRUGER, L, SLABBER M, JOUBERT G, VORSTER HH, VENTER CS.

The intra and inter individual variation of blood glucose response to white bread and glucose in Type 2 diabetics. South African Journal of Clinical Nutrition 2003; 16 (1):18-28.

MALHERBE, M., WALSH, C.M., VAN DER MERWE, C.A.

Consumer acceptability and salt perception of food with a reduced sodium content. *Journal of Family Ecology and Consumer Sciences* 2003; 31; 12-20.

SEBOTSA, M.L.D., DANNHAUSER, A., JOOSTE, P.L., JOUBERT, G.

Prevalence of goiter and urinary iodine status of primary-school children in Lesotho. *Bulletin of the World Health Organization*, 2003; 81 (1): 28-34.

SLABBER, M., BADENHORST, A.M., MOLLENTZE, W.F., OOSTHUIZEN, G.M., KONING, J.M.M., NEL, M.

The role of nutrient intake in the etiology of diabetes mellitus. *Scientific Letter. South African Medical Journal* 2003; 93 (1): 52-53.

VENTER, C.S., SLABBER, M., VORSTER, H.H.

Labeling of foods for glycemic index: Advantages and problems. *South African Journal of Clinical Nutrition* 2003; 16(4): 118-126.

WALSH, C.M., DANNHAUSER, A., JOUBERT, G.

Impact of a nutrition education programme on nutrition knowledge and dietary practices of lower socioeconomic communities in the Free State and Northern Cape. *South African Journal of Clinical Nutrition* 2003;16(3):89-95.

**Research awards and achievements/Acknowledgement of outstanding research contributions  
Navorsingstoekennings en prestasie/Erkenning van uitstaande bydraes**

SEBOTSA, M.L.D.

Department of Human Nutrition

Received the prize for the best Clinical Paper in the Junior category at the Faculty Forum, Faculty of Health Sciences Research, 28-29 August 2003, Bloemfontein.

DEPARTMENT OF HUMAN NUTRITION

Floating trophy for the department with most contributions at the Faculty Forum, Faculty of Health Sciences Research, 28-29 August 2003, Bloemfontein.

WALSH, C.M.

Department of Human Nutrition

Runner-up best Clinical Paper presented at the Faculty Forum, Faculty of Health Sciences Research, 28-29 August 2003, Bloemfontein.

**Membership of Professional and Scientific Associations  
Lidmaatskap van Professionele en Wetenskaplike Verenigings**

DANNHAUSER, A.

Member: ADSA (Association for Dietetics in Southern Africa)

Member: Nutrition Society of South Africa (NSSA)

Member: South African Society for Parenteral and Enteral Nutrition (SASPEN)

Member: SEMDSA (Society for Endocrinology, Metabolism and Diabetes in South Africa)

DU TOIT, W.C.

Member: ADSA

Member: SEMDSA (Society for Endocrinology, Metabolism and Diabetes in South Africa)

Member and executive committee member: DESSA

SLABBER, M.

Member: National Expert Committee on the standardization of methodology for determination of the Glycaemic Index

Member: ADSA (Association for Dietetics in Southern Africa)

Member: SEMDSA (Society for Endocrinology, Metabolism and Diabetes in South Africa)

Member: ASO

WALSH, C.M.  
Member: ADSA (Association for Dietetics in Southern Africa)  
Member: Nutrition Society of South Africa

**Doctor's degree completed**  
**Doktersgraad afgehandel**

SEBOTSA, Masekonyela, Linono, Damane  
EVALUATION OF THE IODINE DEFICIENCY DISORDERS CONTROL PROGRAM IN LESOTHO.  
PROMOTER: Prof. A. Dannhauser CO-PROMOTER: Prof. P.L. Jooste

**Master's degree completed**  
**Magistergraad afgehandel**

Hunter, Elza  
EFFECTS OF MODERATE SUGAR INTAKE ON GLYCAEMIC CONTROL OF PATIENTS WITH TYPE  
2 DIABETES MELLITUS. Cum laude Supervisor: Prof. M. Slabber Co-Supervisor: Dr. G.M. Meyer

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**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

BRUNOVA, J., BRUNA, J., JOUBERT, G., KONING, M.  
Weight gain in patients after therapy for hyperthyroidism. South African Medical Journal 2003;93(7):529-531.

SLABBER, M., BADENHORST, A.M., MOLLENTZE, W.F., OOSTHUIZEN, G.M., KONING, J.M.M., NEL, M.  
The role of nutrient intake in the etiology of diabetes mellitus. Scientific Letter. South African Medical Journal 2003; 93 (1): 52-53.

**Doctor's degree completed**  
**Doktersgraad afgehandel**

MOLLENTZE, Willem Frederik  
DIABETES MELLITUS, HYPERTENSION AND RELATED FACTORS IN BLACK SUBJECTS RESIDING  
IN QWAQWA AND BLOEMFONTEIN. PROMOTERS: Prof. D.J.V. Weich Prof. G. Joubert CO-PROMOTERS:  
Dr. K. Steyn Prof. A.F. Steyn

**DEPARTMENT OF MEDICAL MICROBIOLOGY**  
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Theron M.M. Dr.

Van der Spoel van Dijk A. Mrs.

Struwig M.C. Me.

Pretorius A-M. Mrs.

### Conference presentations

#### Konferensievoordragte

HEFER, J.N., KOTZE, F.A., THERON, M.M.

The incidence of intestinal parasites among sewerage workers of the Botshabelo Municipality. 17th National Congress of The Society of Medical Laboratory Technologists of South Africa, Bloemfontein, 5-8 May 2003.

MOKHETHI, S.Z., VAN DER SPOEL VAN DIJK, A.

Molecular characterisation of isoniazid resistant *Mycobacterium tuberculosis* from the Free State and Northern Cape, South Africa. 23<sup>rd</sup> International Congress of Chemotherapy, Durban, South Africa, June 7 – 10, 2003.

MOKHETHI, S.Z., VAN DER SPOEL VAN DIJK, A., KHOMALO, M.J., MATSANENG, M.P., RIGOUTS, L.

Disease dynamics of *Mycobacterium tuberculosis* in the Gamadi area, Free State, South Africa. Thirty-Fifth Faculty Forum, Faculty of Health Sciences, University of the Free State, Bloemfontein, South Africa, August 28 & 29, 2003.

MOKHETHI, S.Z., VAN DER SPOEL VAN DIJK, A.

Molecular characterisation of isoniazid resistant *Mycobacterium tuberculosis* from the Free State and Northern Cape, South Africa. 35<sup>th</sup> Faculty Forum, Faculty of Health Sciences, University of the Free State, Bloemfontein, South Africa, August 28 & 29, 2003.

SMIT, N.J., VAN DER MERWE, F., SMITH, P.O.

Comparing the roll-plate and ultrasonification method for bacterial culturing from intravenous and arterial catheter points. 17th National Congress of The Society of Medical Laboratory Technologists of South Africa, Bloemfontein, 5-8 May 2003.

STRUWIG, M.C., BEYLEFELD, A.A., JOUBERT, G.

The influence of a board game on students' experience and perception of medical microbiology. 35<sup>th</sup> Faculty Forum, Faculty of Health Sciences, University of the Free State, August 28 & 29, 2003, Bloemfontein.

STRUWIG, M.C., BEYLEFELD, A.A., JOUBERT, G.

Development of general skills in MBChB students by means of a medical microbiology board game. 35<sup>th</sup> Faculty Forum, Faculty of Health Sciences, University of the Free State, August 28 & 29, 2003, Bloemfontein.

STRUWIG, M.C., BEYLEFELD, A.A., NE, L.M.M., JANSE VAN RENSBURG, M.N.

Who says play is only for children? Introduction of a concept, visual aspects and evaluation of a medical microbiology board game. August 28 & 29, 2003, Bloemfontein.

TSIKKOS, D., JORDAAN, C.C., JANSE VAN RENSBURG, M.N.

Diagnosis of *Pneumocystis carinii* using different staining techniques. 17th National Congress of The Society of Medical Laboratory Technologists of South Africa, Bloemfontein, 5-8 May 2003.

VAN DER SPOEL VAN DIJK, A.

Disease dynamics of *Mycobacterium tuberculosis* in the Free State: a molecular epidemiological perspective. Symposium on Tuberculosis: A multidisciplinary approach to research, policy and practice, University of the Free State, Bloemfontein, November 11 – 12, 2003.

VAN HEERDEN, C.J., DAVIES, G., NIENABER, H.

Comparing the detection of *Mycobacterium tuberculosis* complex in fluid samples with FASTPlaqueTB and conventional identification methods. 17th National Congress of The Society of Medical Laboratory Technologists of South Africa, Bloemfontein, 5-8 May 2003.

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

JOUBERT, G., STEINBERG, H., VAN DER RYST, E., CHIKOBVU, P.  
Consent for participation in the Bloemfontein Vitamin A trial: how informed and voluntary? *American Journal of Public Health*. 2003;93(4):582-584.

PIENAAR, C., KRUGER, A.J., VENTER, E.C., PITOUT, J.D.D.  
*Anaerobiospirillum succiniciproducens* bacteraemia. *Journal of Clinical Pathology*. 2003;56-316-318.

PITOUT, J.D.D., REISBIG M.D., VENTER E.C., CHURCH D.L., HANSON N.D. Modification of the Double-Disk Test for Detection of Enterobacteriaceae Producing Extended-Spectrum and AmpC  $\beta$ -Lactamases. *Journal of Clinical Microbiology* 2003;41(8):3933-3935.

PRETORIUS, A-M, JENSENIUS, M, CLARKE, F, RINGERTZ, S.H.  
Repellent efficacy of DEET and KBR 3023 against *Amblyomma hebraeum* (Acari: Ixodidae). *Journal of Medical Entomology* 2003;40(2):245-248.

SOMMER, A.P, ORON, U., PRETORIUS, A-M., MCKAY, D., CIFTCIOGLU, N., MESTER, A.R., KAJANDER, E.O., WHELAN, H.T.  
A preliminary investigation into Light-Modulated Replication of Nanobacteria and Heart Disease. *Journal of Clinical Laser Medical Surgery* 2003;21(4):231-235.

THERON, M.M., JANSE VAN RENSBURG, M.N., CHALKLEY, L.J.  
Penicillin-binding proteins involved in high-level piperacillin resistance in *Veillonella* spp. *Journal of Antimicrobial Chemotherapy* 2003;52:120-122.

**Prestigious fellowships and grants**  
**Prestigenavorsingsgenootskappe en -toekennings**

PRETORIUS, A-M.  
Received funds of R20 000,00 from UFS as Group Leader of the research group entitled: "Epidemiology of arthropod-borne bacteria of medical and veterinary importance in South Africa".

PRETORIUS, A-M.  
Received 45000 NOK from Aker Universitetssykehus HF Medisinsk afdeling – UIO for the following project: "Repellent efficacy of 3 commercial repellents against South African *Amblyomma* and *Jyalomma* ticks (Acari: Ixodidae)".

**International collaboration**  
**Internasionale samewerking**

VAN DER SPOEL VAN DIJK, A.  
In the context of the "AIDS Impulse Programme II, 2002-2003", Mrs. A VAN DER SPOEL VAN DIJK was invited for training at the Institute of Tropical Medicine, Antwerp, Belgium from 22<sup>th</sup> September – 10<sup>th</sup> October 2003.

VAN DER SPOEL VAN DIJK, A.  
As part of finalising results for the "Joint project on tuberculosis in the Free State" was invited to visit the Mycobacterium Unit at the Institute of Tropical Medicine, Antwerp, Belgium from the 10<sup>th</sup> October 2003 – 17<sup>th</sup> October 2003.

VAN DER SPOEL VAN DIJK, A:  
Flemish research collaborators: Profs Herman Meulemans (Political and Social Sciences, *ULA*), Jean van Houtte (Sociology and Social Policy, *Universitaire Faculteiten St Ignatius Antwerpen (UFSIA)*), Diana De Graeve (Applied Economics, *UFSIA*), Christiane Timmerman (Sociology and Social Policy, *UFSIA*), Luc Pauwels (Communication Science, *UFSIA*), Christiane Timmerman (Sociology and Social Policy, *UFSIA*), Luc Pauwels (Communication Science, *UFSIA*), Dr Leen Rigouts (Mycobacteriology Unit, Institute of Tropical Medicine) and Drs Armand Van Deun and Anne Buvè (Public Health, Institute of Tropical medicine.) "Joint research project on tuberculosis control in the Free State (South Africa) – from infection to cure."

**Local collaboration  
Plaaslike samewerking**

PRETORIUS, A-M.

Department of Biophysics, UFS: “Imaging infection in experimental animals.”

VAN DER SPOEL VAN DIJK, A.

“Joint research project on tuberculosis control in the Free State (South Africa) – from infection to cure.”

Project leaders:

Profs Dingie van Rensburg (CHSR&D), Herman Meulemans (Political and Social Sciences, *University Institution Antwerpen*), Francoise Portaels {Prince Leopold Institute of Tropical Medicine (Institute of Tropical Medicine)}, and Dr Ronald Chapman (Free State Department of Health); project co-ordinator: Christo Heunis (CHSR&D); South African researchers: Christo Heunis, Ega Janse van Rensburg-Bonthuyzen, Zacheus Matabesi, Elizabeth Adendorff, Dibolelo Molehe, Kobus Meyer, Prof. Frikkie Booysen (all from the CHSR&D) and Anneke Van der Spoel van Dijk (Medical Microbiology, UFS).

**Membership of Professional and Scientific Associations  
Lidmaatskap van Professionele en Wetenskaplike Verenigings**

THERON, M.M.

Chairperson: Association for Medical Scientists of the Free State.

JANSE VAN RENSBURG, M.N.

Member of the Infectious Diseases Society of Southern Africa.

Member of the International Society for Infectious Diseases.

Member of the European Society of Clinical Microbiology and Infectious Diseases.

Member of the Medical Association of South Africa

PRETORIUS, A-M.

Member: Medical Society of Medical Scientists of the Orange Free State

Member: of the SA Society for Microbiology

Member: Infectious Diseases Society of Southern Africa (IDSSA: No 604)

Vice-chairperson: “African Association of Rickettsiology Biologists”

Member: European Working Group of Rickettsia, Coxiella, Ehrlichia and Bartonella (EUWOG)

Member: American Society for Rickettsiology (ASR)

Associate Member: Integrated Control Ticks and Tick-borne Diseases (ICTTD) – Utrecht University, Utrecht, The Netherlands

Specialist Member: African Large Predator Research Unit (ALPRU), Faculty of Natural and Agricultural Sciences, UFS, Bloemfontein

Associate Member: Institute of Nanotechnology (IoN)

Member: International Society for Pest Information (ISPI Record number: C23382)

**Doctor's degree completed  
Doktersgraad afgehandel**

PRETORIUS Anne-Marié

INVESTIGATION OF ARTHROPOD-BORNE BACTERIA OF EMERGING MEDICAL AND VETERINARY IMPORTANCE IN SOUTH AFRICA. PROMOTER: Dr. R.J. Birtles CO-PROMOTER:

Prof. G.H.J. Pretorius

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Lötter, M.G. Prof.

Marais, J. Mr/Mnr.

Van Staden, J. Mr/Mnr.

### **Conference presentations**

#### **Konferensievoordragte**

DU PLESSIS, F.C.P., WILLEMSE, C.A.

Effective attenuation coefficients for compensator materials 43<sup>rd</sup> Congress of the South African Association of Physicists in Medicine and Biology, Faure, 2003,

VAN STADEN, J.A., OTTO, A.C., HERBST, C.P., DU RAAN, H., LÖTTER M.G.

Effective attenuation coefficients for compensator materials 43<sup>rd</sup> Congress of the South African Association of Physicists in Medicine and Biology, Faure, 2003,

### **Research articles in accredited research journals**

#### **Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

DU PLESSIS, F.C.P., WILLEMSE, C.A.

Monte Carlo calculation of effective attenuation coefficients for various compensator materials, Medical. Physics 2003;30(8):2537–2544.

OTTO, A.C., NEL, M.G., VAN STADEN, J.A., DUNN, M., VAN ASWEGEN, A., NEL, R.

Enhanced myocardial contractility associated with hypercalcaemia of hyperthyroidism – a case study in six patients. Cardiovascular Journal of South Africa 2003;14(3):141–143.

### **Highlights from research findings**

#### **Glanspunte in navorsingsbevindings**

A large number of cancer patients are treated with radiation generated by a medical linear accelerator. A significant advance in the treatment of patients can be achieved if the radiation dose to an irregularly shaped tumour volume can be accurately delivered according to the prescription of the radiation oncologist.

It is mathematically possible to accurately deliver the required dose distribution by changing the radiation beam intensity and shape. The process to calculate the required beam is called inverse treatment planning.

A significant advance has been made to modify the radiation beam intensity. A computer algorithm has been developed to calculate the compensatory to be used to obtain the correct beam specifications.

The algorithm was thoroughly tested by first investigating the effect of scatter generated by compensating materials in a high-energy x-ray beam of a medical linear accelerator. A Monte Carlo based study was performed focussing on the attenuation coefficients obtained when different compensating materials such as aluminium, brass, copper and lead was used. The increase in photon energy and scatter properties by the compensator in the radiation beam was also investigated. It was found that using mathematical functions the effect of scattering and increase in beam energy could be compensated for. This mathematical function was then incorporated in the final algorithm used.

This algorithm is an important step forward to realise an automatic and accurate method of performing inverse planning routinely. This has not been possible up to now.

Contact details:

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### **Local Collaboration**

#### **Plaaslike samewerking**

iThemba Labs Radionukliedproduksie afdeling

**Doctor's degree completed**  
**Doktersgraad afgehandel**

DU PLESSIS, Frederik Carl Philippus  
THE EFFECT OF COMPENSATOR-INDUCED SCATTER ON EXTERNAL BEAM DOSE  
CALCULATIONS. PROMOTER : Prof. C.A. Willemse

**DEPARTMENT OF NEUROLOGY**  
**DEPARTEMENT NEUROLOGIE**

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Jansen, S. Prof.  
Schultz, C. Mrs/Mev.  
van der Merwe, N. Dr.

**Conference presentations**  
**Konferensievoordragte**

HENDERSON, B.D., RUSSELL, D.C.

The role of the START program and the value of early intervention in the management of infants and young children with Down syndrome. 10<sup>th</sup> Biennial Congress of the Southern African Society for Human Genetics, Durban, 11-14 May 2003.

HENDERSON, B.D., RUSSELL, D.C.

The role of the START program and the value of early intervention in the management of infants and young children with Down syndrome. 35<sup>th</sup> Faculty Forum, Faculty of Health Sciences, UFS, Bloemfontein, 28-29 August 2003.

VAN DER MERWE, N.C., SCHULTZ, C., JANSEN, S., VAN RENSBURG, E.J.

Breast/ovarian cancer due to mutations in hereditary breast cancer genes BRCA1 and BRCA2. 17<sup>th</sup> National Congress of the Society of Medical Laboratory Technologists of South Africa, Bloemfontein, 5-8 May 2003.

**Highlights from research findings**  
**Glanspunte in navorsingsbevindinge**

Die eerste ondersoek in sy soort in Suid-Afrika is uitgevoer om die rol van BRCA1 (breast carcinoma gene number 1) en die spektrum van siekteveroorakende mutasies in familiële bors/ovariële kanker te bepaal. Van die negentig families met 'n geskiedenis van die siekte is mutasies in 18 (20%) identifiseer. By vyf families van Afrikanerherkoms is dieselfde mutasie gevind. Dit staan as 'n stigtersmutasie bekend en impliseer dat hierdie persone 'n gemeenskaplike voorouer gehad het. Die resultate dui op drie moontlike stigterfamilies van Franse afkoms wat die Kaap aan die einde van die sewentiede eeu bereik het. Van die oorblywende sewe mutasies gevind, is drie nog nie voorheen beskryf nie. Die bevindings het tot 'n aansienlike vergemakliking in die opsporing van siekteveroorakende mutasies by veral Afrikanerfamilies met 'n geskiedenis van oorerflike bors/ovariële kanker gelei. Hierdie navorsing is in samewerking met prof. E.J. van Rensburg, Departement Genetika, UP, uitgevoer.

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**Local collaboration**  
**Plaaslike samewerking**

Universiteit van Pretoria  
Genetika

**Membership of Professional and Scientific Associations**  
**Lidmaatskap van Professionele en Wetenskaplike Verenigings**

HENDERSON, B.D.

Committee member/Komiteelid: Southern African Society for Human Genetics (SASHG)/Suider-Afrikaanse Vereniging vir Mensgenetika (SAVMG).

**DEPARTMENT OF NUCLEAR MEDICINE**  
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Otto, A.C. Prof.

Nel, M.G. Dr.

Snyman, U. Dr.

Dunn, M. Mrs/Mev.

**Conference presentations**  
**Konferensievoordragte**

OTTO, A.C.

The First Free State Health Professionals Summit - Poster Exhibition: "Clinical Nuclear Medicine in the Free State Academic Institutions". President Hotel, 1 Union Avenue Bloemfontein, 31 January 2003.

SNYMAN, U., OTTO, A.C.

The Scintigraphic evaluation of focal nodular hyperplasia of the liver - A case report. UFS Faculty of Health Sciences, Forum 2003.

VAN STADEN, J.A., OTTO, A.C., HERBST, C.P., DU RAAN, H., LÖTTER, M.G.

**Best Junior Clinical Poster:** Comparison of automatic quantification software for the measurement of left ventricular ejection fraction in gated myocardial perfusion SPECT. UFS Faculty of Health Sciences, Forum 2003.

VAN STADEN, J.A., OTTO, A.C., HERBST, C.P., DU RAAN, H., LÖTTER, M.G.

Effective attenuation coefficients for compensator materials, 43<sup>rd</sup> Congress of the South African Association of Physicists in Medicine and Biology, Faure, 2003.

**Research articles in accredited research journals**

**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

OTTO, A.C., NEL, M.G., VAN STADEN, J.A., DUNN, M., VAN ASWEGEN, A., NEL, R.

Enhanced myocardial contractility associated with hypercalcaemia of hyperparathyroidism - A case study in six patients. Cardiovascular Journal of South Africa 2003; 14(3):141-143.

**DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY  
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Grobler, S. Mrs/Mev.  
Nel, J.T. Prof.  
Nortjé, J.D. Dr.  
Prollius, A. Dr.  
Steinberg, W.J. Dr.  
Van Wyk, R. Mrs/Mev.  
Wessels, P.H. Prof.

**Books  
Boeke**

CRONJÉ, H.S., GROBLER, C.J.F.  
Obstetrics in Southern Africa, 2<sup>nd</sup> Edition. J.L. van Schaik, Pretoria 2003.

**Chapters in books  
Hoofstukke in boeke**

CRONJÉ, H.S.  
Obstetrics in Southern Africa, 2<sup>nd</sup> Edition. J.L. van Schaik, Pretoria 2003. Chapter 1, Development of the embryo and fetus. Chapter 40, Forceps and ventouse delivery, Chapter 45, Advanced extrauterine pregnancy. Chapter 48, Drug abuse. Chapter 51, Human immunodeficiency virus infection in pregnancy. Chapter 53, Infection during pregnancy (excluding viral infection). Chapter 83, Labour room policy.

CILLIERS, J.B.F.  
Obstetrics in Southern Africa, 2<sup>nd</sup> Edition. J.L. van Schaik, Pretoria 2003. Chapter 9, Management of normal labour.

NORTJÉ, J.D.  
Obstetrics in Southern Africa, 2<sup>nd</sup> Edition. J.L. van Schaik, Pretoria 2003. Chapter 37, Abnormalities of the placenta, umbilical cord, membranes and amniotic fluid.

PROLLIUS, A.  
Obstetrics in Southern Africa, 2<sup>nd</sup> Edition. J.L. van Schaik, Pretoria 2003. Chapter 64, Autoimmune disease during pregnancy.

WESSELS, P.H.  
Obstetrics in Southern Africa, 2<sup>nd</sup> Edition. J.L. van Schaik, Pretoria 2003. Chapter 34, Shoulder dystocia. Chapter 68, Acute abdominal pain in pregnancy.

**Conference presentations  
Konferensievoordragte**

CILLIERS, J.B.F.  
Priorities in Perinatal Care, maternal deaths in the Free State: Statistics for 2002. SASUOG 2003 Congress, 24-26 September 2003.

CRONJÉ, H.S.

Cervical cancer screening in developing countries. Proceedings: 28<sup>th</sup> SASOG Congress, Durban International Conference Centre, 6-9 April 2003.

CRONJÉ, H.S.

Surgical management of uterovaginal prolapse: an abdominal approach. Proceedings: 28<sup>th</sup> SASOG Congress, Durban International Conference Centre, 6-9 April 2003.

CRONJÉ, H.S.

Surgery for female genital prolapse. 1<sup>st</sup> Annual Netcare Pelvic Floor Symposium, Johannesburg, October 2003.

NEL, J.T., NIEMAND, I.

The incidence of surgical glove perforation during episiotomy repair: A prospective randomised controlled clinical trial comparing blunt-point and tapered point needle repair. Proceedings: 28<sup>th</sup> SASOG Congress, Durban International Conference Centre, 6-9 April 2003.

PROLLIUS, A.

Poster presentation: UAE for symptomatic fibroids in HIV positive patients, UAE for symptomatic fibroids – the effect of the large uterus on outcome. Proceedings: 28<sup>th</sup> SASOG Congress, Durban International Conference Centre, 6-9 April 2003.

PROLLIUS, A.

Uterine artery embolisation for symptomatic fibroids – an African perspective. Proceedings: 28<sup>th</sup> SASOG Congress, Durban International Conference Centre, 6-9 April 2003.

VILJOEN, O.A.

Ovarian function after Uterine Artery Embolization. Ethicon Registrar Symposium, 25-26 July 2003.

CRONJÉ, H.S.

Cancer of the cervix. CANSA Symposium, Bloemfontein 2003.

CRONJÉ, H.S.

Culdococele – A new entity in female genital prolapse. Thirty-Fifth Faculty Forum, Faculty of Health Sciences, UFS, Bloemfontein, 28-29 August 2003.

CRONJÉ, H.S.

The oncolytic properties of two NDV strains. Thirty-Fifth Faculty Forum, Faculty of Health Sciences, UFS, Bloemfontein, 28-29 August 2003.

CRONJÉ, H.S.

Fakultetsforumaanbieding: Publikasiesukses en –probleme. Thirty-Fifth Faculty Forum, Faculty of Health Sciences, UFS, Bloemfontein, 28-29 August 2003. (Faculty Forum presentation: Publication success and problems.)

PROLLIUS, A.

HIV in pregnancy. Free State Health Summit, Bloemfontein, 31 January 2003.

VAN WYK, R., GROBLER, S., WESSELS, P.H.

Zeranol: 'n Estrogeen analoog se invloed op die testikulêre funksie van muis. Thirty-Fifth Faculty Forum, Faculty of Health Sciences, UFS, Bloemfontein, 28-29 August 2003. (Zeranol: An estrogen analogue's influence on the testicle function of a mouse.)

WESSELS, P.H.

HRT – Different routes of administration. Novo Nordisk.

#### **Research articles in accredited research journals**

#### **Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

AFMAN, I.E., CRONJÉ, H.S., JOUBERT, G., BADENHORST, P.N., SCHOON, M.G.

Antinuclear antibody testing in obstetric patients. South African Medical Journal 2003;93:932-937.

CRONJÉ, H.S.

Management of an extremely large cystocoele. *Journal of Obstetrics and Gynecology* 2003;23:89-90.

CRONJÉ, H.S., PARHAM, G.P., COOREMAN, B.F., DE BEER, A., DIVALL, P., BAM, R.H.

A comparison of four screening methods for cervical neoplasia in a developing country. *American Journal of Obstetrics and Gynecology* 2003;188:395-400.

DE GROOT, M.R., CORPORAAL, L.J., CRONJÉ, H.S., JOUBERT, G.

HIV infection in critically ill obstetrical patients. *International Journal of Gynecology and Obstetrics* 2003;81:9-16.

LARTEY, M., JOUBERT, G., CRONJÉ, H.S.

Knowledge, attitudes and practices of rural women in South Africa regarding the Pap Smear. *International Journal of Gynecology and Obstetrics* 2003;83:315-316.

PROLLIUS, A.

Uterine artery embolisation for symptomatic fibroid uteri. *The Specialist Forum*, August 2003.

PROLLIUS, A.

Uterine artery embolisation for symptomatic fibroids. *International Journal of Gynecology and Obstetrics*, 2003;61-63.

#### **Editorships/co-editorships**

#### **Redakteurs/mederedakteurs**

CRONJÉ H.S., GROBLER, C.J.F.

Obstetrics in Southern Africa, 2<sup>nd</sup> edition. JL van Schaik, Pretoria, 2003.

#### **Highlights from research findings**

#### **Glanspunte in navorsingsbevindinge**

Navorsing in die Departement Obstetrie en Ginekologie het 'n wye, dog interessante spektrum gedek. Beide Obstetrie en Ginekologie is aangespreek en wat verblydend is, is twee artikels deur 'n kliniese assistent (dr A Prollius). Die artikels in geakkrediteerde tydskrifte is bevredigend/Research in the Department of Obstetrics and Gynaecology covered a wide, but interesting spectrum. Both Obstetrics and Gynaecology was addressed and we are delighted that two articles was from a registrar (Dr A Prollius). The articles in accredited journals are satisfactory.

#### **Local collaboration**

#### **Plaaslike samewerking**

One of our studies was in association with the University of Alabama, USA, (Cronjé et.al. A comparison of four screening methods, etc. *American Journal of Obstetrics and Gynecology* 2003;188:395). The association was with the following:

Dr. G.P. Parkam

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Department of Obstetrics and Gynaecology

University of Alabama

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## Membership of Professional and Scientific Associations Lidmaatskap van Professionele en Wetenskaplike Verenigings

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COOREMAN, B.F.  
Mediese Vereniging van Suid-Afrika (Medical Society of South Africa)  
Suid-Afrikaanse Vereniging vir Verloskundiges en Ginekoloë (South African Society for Obstetricians and Gynaecologists)  
Kollege vir Obstetrie en Ginekologie (College for Obstetrics and Gynaecology)

CRONJÉ, H.S.  
WGO Komitee vir Servikale Sifting in Ontwikkelende Lande (WHO Committee for Cervical Screening in Developing Countries)  
International Gynecological Oncology Society  
Suid-Afrikaanse Vereniging vir Verloskundiges en Ginekoloë (Sekretaris) (South African Society for Obstetricians and Gynaecologists (Secretary))  
Mediese Vereniging van Suid-Afrika (Medical Society of South Africa)  
Epidemiologiese Vereniging van Suid-Afrika (Epidemiology Society of South Africa)  
Ginekologiese Onkologievereniging (Gynaecological Oncology Society)

NEL, J.T.  
Deputy Governor of the American Biographical Research Association  
Deputy Director General of the International Biographical Centre for Africa  
New York Academy of Science  
European Society of Gynecologic Oncology  
Fallopian International Society  
International Urogynecological Association  
International Society for Gynecologic Endoscopy  
Medical Advisor, International Biographical Centre  
Suid-Afrikaanse Uroginekologie Vereniging (Southern African Urogynaecological Society)  
Suid-Afrikaanse Mikrochirurgie Vereniging (South African Microsurgical Society)  
Suid-Afrikaanse Vereniging van Reproductiewe Bioloë (Southern African Society of Reproductive Biologists)  
Suid-Afrikaanse Vereniging vir Verloskundiges en Ginekoloë (South African Society for Obstetricians and Gynaecologists)  
Suid-Afrikaanse Anatomiese Vereniging (South African Anatomical Society)  
Elektronmikroskopiese Vereniging van Suid-Afrika (Electronmicroscopic Society of South Africa)  
Mediese Vereniging van Suid-Afrika, SA Embriogroep (Medical Society of South Africa, SA Embryo Group)  
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Komitee vir Obstetrie en Ginekologie van die Kollege vir Geneeskunde van Suid-Afrika (Committee for Obstetrics and Gynaecology of the College of Medicine in South Africa)  
Nasionale Adviespaneel oor Urinêre Inkontinensie (National Advice Panel: Urinary Incontinence)

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American Fertility Society  
American Association of Gynecologic Laparoscopists  
European Society of Reproduction and Embryology  
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**Conference proceedings  
Konferensiehandelinge**

DUMINY, J.

Velkarsinoom. Mini-onkologie-kongres plaaslik aangebied deur KANSA vir professionele persone. 8 Oktober 2003.

HANEKOM, M.

Emotional aspects of cancer. Mini-onkologie-kongres plaaslik aangebied deur KANSA vir professionele persone. 8 Oktober 2003.

KAHL, M.

Prevention of cancer and the warning signs. Mini-onkologie-kongres plaaslik aangebied deur KANSA vir professionele persone. 8 Oktober 2003.

POTGIETER, S.

Breaking the silence. 11th National SASCRO-SASMO congress at the President Hotel, Bloemfontein. 20-22 March 2003

PRETORIUS, A.

Gastro-intestinale karsinoom. Mini-onkologie-kongres plaaslik aangebied deur KANSA vir professionele persone. 8 Oktober 2003.

SCORRANO, M.

Balsem Cop Via – Unbelievable. 11th National SASCRO-SASMO congress at the President Hotel, Bloemfontein. 20-22 March 2003

SCORRANO, M.

Breaking the Silence – Sexuality . Congress of the Free State Oncological Nursing Society in Gordonsbaai at the Villa Via Hote. 12 – 25 November 2003.

SCORRANO, M.

Balsem Cop Via – Unbelievable. Congress of the Free State Oncological Nursing Society in Gordonsbaai at the Villa Via Hote. 12 – 25 November 2003

SMITH, B.

Simptomatiese beheer van kanker. Mini-onkologie-kongres plaaslik aangebied deur KANSA vir professionele persone. 8 Oktober 2003.

STRYDOM, M.

Longkarsinoom. Mini-onkologie-kongres plaaslik aangebied deur KANSA vir professionele persone. 8 Oktober 2003.

#### **Awards/Prizes at National Conferences**

#### **Toekennings/Pryse ontvang by Nasionale Konferensies**

SCORRANO, M.

Philani Awards-trofee vir haar prestasie as wenner in die Vrystaat van die Marilyn Lehan Memorial Trust-toekenning. Kongres van die Vrystaatse Onkologie Verpleegkundige Vereniging in Gordonsbaai by die Villa Via Hotel. 21 – 25 November 2003

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Stones, D.K. Prof.

Venter, A. Prof.

Venter, E. Ms/Me.

Weydeman, G. Ms/Me.

#### **Conference presentations**

#### **Konferensievoordragte**

BERRY, R.I.

The aetiology, presentation and outcome of children with paraplegia treated at the Bloemfontein Academic Hospital Complex (oral presentation). SA Children's Cancer Study Group, University of the Free State, Bloemfontein 10 May 2003.

BERRY, R.I.

The profile and outcome of children with hepatic tumours treated at the Bloemfontein Hospital Complex (oral presentation). SA Children's Cancer Study Group, University of the Free State, Bloemfontein, 11 May 2003.

BERRY, R.I., STONES, D.K.

The aetiology, presentation and outcome of children with paraplegia treated at the Bloemfontein Academic Hospital Complex (oral presentation). Forum, Faculty of Health Sciences, University of the Free State, Bloemfontein, 28 August 2003.

BERRY, R.I., STONES, D.K.

The profile and outcome of children with bone tumours treated at the Bloemfontein Academic Hospital Complex (oral presentation). Forum, Faculty of Health Sciences, University of the Free State, Bloemfontein, 28 August 2003.

BRINKMAN, M.J., VAN DER LUGT, J.H., VENTER, A.

Neurological development and developmental disorders in children with HIV/AIDS, Pelonomi Hospital (oral presentation). Forum, Faculty of Health Sciences, University of the Free State, Bloemfontein, 29 August 2003.

BROWN, S.C., BESTER, C.J.

Cardiac findings in children admitted to a general ward in South Africa: A comparison of HIV infected and uninfected children (oral presentation). Forum, Faculty of Health Sciences, University of the Free State, Bloemfontein, 29 August 2003.

BROWN S.C., BESTER C.J.

Cardiac findings in children admitted to a general ward: a comparison of HIV-infected and uninfected children (oral presentation). Netcare Paediatric Cardiology Symposium, 24 – 16 October 2003.

DU PREEZ, C.F., DIVALL, P.D.J., STONES, D.K.

The role and application of fine needle aspiration cytology in assessment of paediatric tumours (oral presentation). Forum, Faculty of Health Sciences, University of the Free State, Bloemfontein, 29 August 2003.

DU PREEZ, C.F., DIVALL, P.D.J., STONES, D.K.

The role and application of fine needle aspiration cytology in the assessment of paediatric tumours (oral presentation). 17<sup>th</sup> National Congress of the Society of Medical Laboratory Technologists of South Africa. Sand du Plessis Theatre, Bloemfontein, South Africa, 5- 8 May 2003.

DU PREEZ, C.F., DIVALL, P.D.J., STONES, D.K.

The role and application of fine needle aspiration cytology in the assessment of paediatric tumours (oral presentation). SA Children's Cancer Study Group, University of the Free State, Bloemfontein, 10 May 2003.

HENDERSON, B.D., RUSSELL, D.C.

The role of the START program and the value of early intervention in the management of infants and young children with Down syndrome (oral presentation). Forum, Faculty of Health Sciences, University of the Free State, Bloemfontein, 28 August 2003.

IJBEMA, M.R., VENTER, A.

Demografie van kinders met aandagtekort hiperaktiwiteitsversteuring (ATHV) wat by Universitas-hospitaal behandel word (plakkaat). (Demographics of children with attention deficit hyperactivity disorder (ADHD) treated at Universitas Hospital) (poster). Forum, Faculty of Health Sciences, University of the Free State, Bloemfontein, 29 August 2003.

KRIEL, J., BEUKES, C.A.

Neonatal haemochromatosis – a rare type of severe neonatal liver failure: A report of 2 cases (poster). Forum, Faculty of Health Sciences, University of the Free State, Bloemfontein, 29 August 2003.

RUSSELL, D.C., KRIEL, JOUBERT, G.

The significance of the prone position on motor development of 10-week old babies (oral presentation). Forum, Faculty of Health Sciences, University of the Free State, Bloemfontein, 28 August 2003.

RUSSELL, D.C.

The significance of the prone position on motor development of 10-week old babies (oral presentation). National Active Learning and Leisure Libraries – SA, 2<sup>nd</sup> National Conference, Stellenbosch, 1-3 October 2003.

SAUL, J.P., ETHERIDGE, S., PERRY, J., TIEDMAN, J.K., BROWN, S.C., MARANTZ, P, ACEVEDO, V. et al. Amiodarone IV for incessant tachyarrhythmias: Results of the first randomized double blinded anti-arrhythmic trial in children. North American Society of Pacing and Electrophysiology, 24<sup>th</sup> Annual Scientific Sessions, Washington DC, 14 May 2003.



MAKONNEN, B., VENTER, A., JOUBERT, G.

A randomised controlled study of the impact of dietary zinc supplementation in the management of children with Protein-energy Malnutrition in Lesotho. II: Special investigations. *Journal of Tropical Paediatrics* 2003;49(6):353-360.

STONES, D.K., MCGILL, N.A.

Colon carcinoma in African children (Letter). *Medical & Pediatric Oncology*, 2003;40(6):408.

VAN GEND, C.L., HAADSMA, M.L., SAUER, P.J.J., SCHOEMAN, C.J.

Evaluation of the WHO clinical case definition for paediatric HIV infection in Bloemfontein, South Africa. *Journal of Tropical Pediatrics*, 2003;49(3):143-147.

VENTER, A., VAN DER LINDE, G.P., JOUBERT, G.

Knowledge, attitudes and practices of general practitioners in the Free State regarding the management of children with Attention Deficit Hyperactivity Disorder (ADHD). *SA Family Practice*, 2003;45(5):12-17.

VENTER, A., BHAM, A.

The usefulness of commercially available "culture fair" tests in the prediction of educational success in Grade 1 Black pupils in South Africa – an explorative study. *Journal of Child and Adolescent Mental Health*, 2003;15(1):33-37.

## **DEPARTMENT OF PHARMACOLOGY DEPARTEMENT FARMAKOLOGIE**

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### **Research articles in accredited research journals Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

VAN DER MERWE, P.J., GROBBELAAR, E.

Stability of 19 norandrosterone and 19-noretiocholanolone glucuronide in urine under various storage conditions. *South African Journal of Sports Medicine* 2003;15(2):14-17.

WALUBO, A., BURCH, V., PARMAR, P., RAIDOO, D., CASSIMJEE, M., ONIA, R., OFEL, F.

A model for selecting assessment methods for evaluating medical students in African Medical Schools. *Academic Medicine*, 2003;78:899 – 906.

### **Master's degree completed Magistergraad afgehandel**

ABRAHAM, Aju Mary

THE EFFECT OF LIPOSOMAL CHARGE ON THE DISTRIBUTION OF LIPSOMES TO THE LIVER, BRAIN, LUNGS AND KIDNEY IN A RAT MODEL. Supervisor: Prof. A. Walubo

BARR, Shera

THE ROLE OF CYP3A IN NEVIRAPINE INDUCED HEPATOTOXICITY. Cum laude Supervisor: Prof. A. Walubo

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**Research articles in accredited research journals  
Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

GROBLER, L.  
Culture and communication in health care. South African Journal of Physiotherapy 2003;59(1):3

GROBLER, L., KLEYNHANS, N., LUBBE, A., SMIT, T., RETIEF, C., VICTOR, D., BESTER, C.J.  
Physiotherapists' knowledge of the transmission and prevention of communicable diseases. South African Journal of Physiotherapy 2003;59(1):24-28.

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**Research articles in accredited research journals  
Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

MOHLAHLE, S.J., CALITZ, F.J.W., VAN RENSBURG, P.H.J.J.  
The family system of schizophrenic state patients compared with other schizophrenic patients. Acta Criminologica 2003;16(2):10-18.

**Category / Kategorie 20  
Master's degree completed  
Magistergraad afgehandel**

VAN ZYL, Paulina Maria  
HYPOTHALAMIC PITUITARY ADRENAL AXIX FUNCTION AND HYPOTHALAMIC-PITUITARY-  
THYROID AXIS FUNCTION IN MENTALLY RETARDED PATIENTS WITH AND WITHOUT SELF-  
INJURING AND/OR AGGRESSIVE BEHAVIOUR. Supervisor: Prof. C.A. Gagliano Co-Supervisor: Prof.  
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**Books**  
**Boeke**

BOTMA, Y.  
Educating for better health. A handbook for healthcare professionals. Lansdowne: Juta ISBN 0 7021 6 0393  
Chapter 12

MULDER, M.  
Educating for better health. A handbook for healthcare professionals. Lansdowne: Juta ISBN 0 7021 6 0393  
Chapter 9

VILJOEN, M.J.  
Educating for better health. A handbook for healthcare professionals. Lansdowne: Juta ISBN 0 7021 6 0393.  
Chapter 9

**Conference proceedings**  
**Konferensiehandelinge**

BOTMA, Y.  
IMCI integration into pre-service training. Integrated Management of Childhood Illness Strategy Incorporation into Pre-services Curricula. Bloemfontein, 2 – 6 June, President Hotel.

BOTMA, Y.  
Using evaluation results to improve Integrated Management of Childhood Illnesses (IMCI) pre-service training delivery. Training in Africa; best practices, lessons learned and future directions. Lusaka, JHPIEGO, 18 – 20 August 2003.

BOTHMA, H.  
Nursing practitioners for the Kroonhospital (Netcare) 3 – 4 April 2003, Cardiology refreshment course.

DE VILLIERS, J. BOTMA, Y.  
Learning about triage and emergency care ALARPM 6<sup>th</sup> & PAR 10<sup>th</sup> world congress, University of Pretoria, 21 – 24 September 2003.

FOURIE, S.  
The role and function of the forensic nurse specialist in the field of child sexual abuse. Conference on a multidisciplinary approach to Child Abuse. University of the Free State, Bloemfontein, 8 – 11 April 2003.



GWELE, N.S., MCINERNEY, P.A., VAN RHYN, L.

Selected outcomes of community-oriented problem-based nursing programmes in South Africa. *Curationis* 2003;16(3):21-31.

JANSE VAN RENSBURG, Y., BOTHA, D., NEL, R., FICHARDT, A.

'n Vergelyking van verskillende metodes om swangerskapstadiums te bepaal. *Curationis* 2003;26(1):22-26

ROETS, L., MARTHEZE, B., NEL, M., VD VYWER, M., WILKE, M.

The prevention of intrapartum HIV/AIDS transmission from mother to child. *Curationis* 2003;16(3):12-20.

TJOETSO, V.H., VAN RHYN, L.

A phenomenological investigation of experience of pregnancy by unmarried adolescents in Maseru. *Health SA Gesondheid* 2003;8(1):26-38.

#### **Editorships/co-editorships**

#### **Redakteurs/mederedakteurs**

BOTMA Y., GROBLER, C.

Participatory situational analysis on household and community practices with regard to health care of children under 5 years in the Motheo district, Free State, South Africa Researchers.

VILJOEN, M.J.

Educating for better health. A handbook for healthcare professionals. Lansdowne: Juta 2003 ISBN 0 7021 60393

#### **Membership of Professional and Scientific Associations**

#### **Lidmaatskap van Professionele en Wetenskaplike Verenigings**

VILJOEN, M.J.

Deputy Vice- President of the South African Nursing Council.

Member of the Executive Committee of the South African Nursing Council.

Member of the Education Committee of the South African Nursing Council.

BOTMA, Y.

A Practical Approach To Lung Health In South Africa (PALSA).

#### **Doctor's degree completed**

#### **Doktersgraad afgehandel**

KRAUSE, Maria Wichira

THE DEVELOPMENT OF A FRAMEWORK FOR THE EDUCATION AND TRAINING OF UNDERGRADUATE PHYSIOTHERAPY STUDENTS. PROMOTER: Prof. M.J. Viljoen CO-PROMOTER: Prof. M.M. Nel

MYBURGH, Marionette

DIE FAKTORE WAT DIE MENSLIKE-IMMUNITEITSGEBREK-VIRUS-POSITIEWE-MOEDER SE BESLUIT RAKENDE BABAVOEDING BEÏNVLOED: 'N VERKENNENDE STUDIE/THE FACTORS THAT INFLUENCE THE HUMAN IMMUNODEFICIENCY VIRUS-POSITIVE MOTHER'S DECISION REGARDING INFANT FEEDING: AN EXPLORATORY STUDY PROMOTOR/PROMOTER: Dr R.H. van den Berg MEDEPROMOTOR/CO-PROMOTER: Prof. E. Pretorius

#### **Master's degree completed**

#### **Magistergraad afgehandel**

GXABUZA, Rosina Nomathamsanqa

THE PERCEPTIONS OF VOLUNTARY AIDS CAREGIVERS CONCERNING HOSPICE MANAGERS' PROVISION OF SUPPORT. Supervisor: Dr. A. Joubert

JANSEN, Yvette

'N ORIENTERINGSPROGRAM VIR GESONDHEID-SORGPERSONEEL IN DIE INTENSIEWE-SORGEENHEID TEN OPSIGTE VAN FAMILIËLE ONDERSTEUNING/AN ORIENTATION PROGRAMME FOR HEALTH CARE STAFF IN THE INTENSIVE CARE UNIT IN RESPECT OF FAMILY SUPPORT. Studieleier/Supervisor: Prof. Y. Botma

MOLETSANE, Matsepo Lydia

UNMARRIED FEMALE ADOLESCENTS' KNOWLEDGE AND ATTITUDES TOWARDS THE USE OF CONTRACEPTIVE SERVICES IN THE MASERU HEALTH SERVICE AREA (HAS) Supervisor: Ms I. Venter

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**Conference proceedings**  
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Constitutional Law and Legal Theory, Universities of Western Cape and Stellenbosch; September 2003, Fundamental Rights of Victims of Domestic Violence and Sexual Offences: What is the Contribution of the Tshepong Centre for Victims?

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**Editorships/co-editorships**  
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Deregistration of companies: teaching practical issues. Conference of Society of University Law Teachers, Namibia University, Windhoek, 3 July 2003.

DEACON, J.H.

Legal representation during disciplinary inquiries and arbitrations: helping or hindering? Conference of Society of University Law Teachers, Namibia University, Windhoek, 3 July 2003.

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The liability of actuaries, trustees, attorneys and third party administrators. Conference of the International Pensions and Employees Benefits Association, San Diego, USA, 3 June 2003.

OOSTHUIZEN, W.M.

Financial Planning Education in South Africa: suggestions for the future. Annual Conference of the Association of Financial Services Educators of Australia.

**Research articles in accredited research journals**  
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ELLIS, A.J.

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HENNING, J.J., DU TOIT, S.

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LEHLOENYA, P.M.

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SNYMAN, E., HENNING, J.J.

The limited liability company in the USA: An innovative organizational option with lessons for South Africa. *South African Law Journal* 2003;120(1):153-172.

SNYMAN-VAN DEVENTER, E., HENNING, J.J.

Die vennootskap: goeie huweliksmaat met huwelik of konkubinaat [The partnership: suitable partner for marriage or concubinate?]. *Journal for Juridical Science* 2003;28(1):76-96.

SNYMAN-VAN DEVENTER, E., HENNING, J.J.

n Verkenning van die soorte vennootskappe in die Amerikaanse reg [An overview of the types of partnerships in American law]. *Journal for Juridical Science* 2003;28(2):142-174.

SNYMAN-VAN DEVENTER, E.

Dispute resolution in NAFTA and the WTO: A useful guide for SADC. *Journal for Juridical Science* 2003;28(3):112-128.

SNYMAN-VAN DEVENTER, E.

Die Suid-Afrikaanse trustreg in historiese perspektief [The South African trust law in historical perspective]. *Journal for Estate Planning Law* 2003;2(1)

**Research articles published in other journals**  
**Navorsingsartikels in ander tydskrifte**

DU PLESSIS, J.V.

The liability of actuaries, trustees, attorneys and third party administrators. *September Pension World* 2003;7-15.

DEACON, J.H.

Step by step. Referral of an unfair dismissal for Conciliation/Arbitration. *October De Rebus* 2003;37.

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The Thembisile-case: Many aspects impacting on both customary and common law. International Conference of the Southern African Society of Legal Historians, Stellenbosch 15 – 17 Januray 2003.

SMITH, B.S.  
Hospital disclaimers – a few thoughts in the light of Afrox Health Care v Strydom. Conference of the Society of Law Teachers of Southern Africa, Namibia University, Windhoek, 2 July 2003.

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

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Specialist courts in the best interest of children? Constitutional Law and Legal Theory Conference hosted by Faculties of Law of the University of Cape Town, Western Cape and Stellenbosch, 9-10 September 2003.

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**Master's degree completed  
Magistergraad afgehandel**

TALJAARD, Pieter Rutger  
ECONOMETRIC ESTIMATION OF DEMAND FOR MEAT IN SOUTH AFRICA. Cum laude. Supervisor:  
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### **Conference presentations**

#### **Konferensievoordragte**

OOSTHUIZEN, I.B., SNYMAN, H.A.

Relationship of root mass and length under combined water stress and defoliation in *Themeda triandra* Forsk. Arid Zone Ecological Forum, Kathu, Northern Cape Province. 25-28 August 2003;27.

RAMAKATANE, M.E., SNYMAN, H.A.

Influence of water stress on root/shoot ratio and water-use efficiency of two *Opuntia* (spineless cactus pear) species. Arid Zone Ecological Forum, Kathu, Northern Cape Province. 25-28 August 2003;36.

RATSELE, C., SNYMAN, H.A.

Root dynamics of two *Opuntia* (spineless cactus pear) species. Arid Zone Ecological Forum, Kathu, Northern Cape Province. 25-28 August 2003;37.

SMIT, G.N.

The influence of subhabitat differentiation of the soil under varying competition regimes in Mopane Savanna in South Africa. Arid Zone Ecological Forum, Kathu, Northern Cape Province. 25-28 August 2003;38.

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SNYMAN, H.A.

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VORSTER, L.F.

The influence of prolonged seasonal defoliation on veld yields. Arid Zone Ecological Forum, Kathu, Northern Cape Province. 25-28 August 2003;21.

#### **Research articles in accredited research journals**

#### **Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

CLOETE, S.W.P., GILMOUR, A.R., OLIVIER, J.J., VAN WYK, J.B.

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#### **Ongepubliseerde navorsingsverslae**

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A study of the communication of the leopard (*Panthera pardus*) on the farm Masequa. Unpublished report, Dept. of Animal, Wildlife and Grassland Sciences, University of the Free State, 2003;41.

#### **Editorships/co-editorships**

#### **Redakteurs/mederedakteurs**

DE WAAL, H.O.

Editor: Proceedings of the 2<sup>nd</sup> Meeting of the African Lion Working Group.

DE WAAL, H.O.

Editor: Bibliography of the larger African predators and related topics on their habitat and prey species.

ERASMUS, G.J.

Member: Editorial Committee South African Journal of Animal Science.

GREYLING, J.P.C.

Associate Editor: (Physiology) Small Ruminant Research Journal.

GREYLING, J.P.C.

Sub-Editor: (Physiology) South African Journal of Animal Science.

GREYLING, J.P.C.

Member: Editorial Committee South African Journal of Animal Science.

NESER, F.W.C.

Member: Editorial Committee South African Journal of Animal Science.

SCHWALBACH, L.M.J.

Editor: *Dorpers no novo Século*.

SMIT, G.N.

Advising Editor: *African Journal of Range and Forage Science*.

SMIT, G.N.

Advising Editor: *Journal of Arid Environments*.

SMIT, G.N.

Advisory Editor: *BMC Ecology*.

SMIT, G.N.

Advising Editor: *South African Journal of Wildlife Research*.

SNYMAN, H.A.

Advising Editor: *African Journal of Range and Forage Science*.

SNYMAN, H.A.

Advising Editor: *Journal of Arid Environments*.

SNYMAN, H.A.

Advising Editor: *Journal of Plant Ecology*.

SNYMAN, H.A.

Advising Editor: *South African Journal of Wildlife Research*.

VAN DER MERWE, H.J.

Sub-Editor: *South African Journal of Animal Science*.

VAN WYK, J.B.

Member: Editorial Committee South African Journal of Animal Science.

### **Highlights from research findings**

### **Glanspunte in navorsingsbevindinge**

*Aspects of the feeding behaviour of the leopard (Panthera pardus) / Aspekte van die voedingsgedrag van die luiperd (Panthera pardus)*

The shift towards game ranching has benefited the leopard (*Panthera pardus*) by expanding the habitat available and increasing the number of prey animals. With game fetching record prices at game auctions losses due to leopard predation is often viewed by landowners as a threat. It was established that an average leopard female weighs 35 kg and a male 65 kg. The daily food requirement for an average female is 3.68 kg (3.3 - 4.58 kg) and for an average male 6.86 kg (5.04 - 7.43 kg). From these norms it is now possible to quantify the ecological and economical impact of leopards on those herbivores on a game ranch with an economic value / Die verskuiwing na wildboerdery het die luiperd bevoordeel deur 'n groter habitat-en prooi beskikbaarheid. Met wild wat rekordpryse op wildveilings behaal word die luiperd dikwels deur grondeienaars as 'n bedreiging beskou. Dit is vasgestel dat 'n gemiddelde wyfeluiperd 35 kg weeg en 'n mannetjie 65 kg. Die daaglikse voedselbehoefte van 'n gemiddelde wyfie is 3.68 kg (3.3 - 4.58 kg) en vir 'n gemiddelde mannetjie 6.86 kg (5.04 - 7.43 kg). Vanaf hierdie norme is dit nou moontlik om die ekologiese en ekonomiese impak van luiperds op herbivore met 'n ekonomiese waarde te bepaal.

Naam: Prof. G.N. Smit

E-pos: [smitgn.sci@mail.uovs.ac.za](mailto:smitgn.sci@mail.uovs.ac.za)

Tel.: 051 4012221

***Effect of high energy diets on the reproductive performance of Dorper rams/Effek van hoë energie diëte op die reproduksieprestasie van Dorperramme.***

This was the first time that the practice of feeding rams on high energy diets (performance testing) was questioned and the results of this study have attracted a great amount of interest from the industry. As a result, the group was invited to the annual Senior Judges meeting of the Dorper Breed Society to present these results and to discuss the practice of conditioning rams prior to sales/sows. The Breed Society showed interest to cooperate in further studies on this topic / Hierdie is die eerste keer dat die praktyk om ramme op hoë energie diëtepeile (prestasietoetsing) te voer, bevraagteken is en bevindings het belangstelling gelok in die bedryf. Die gevolg is dat die groep navorsers uitgenooi is na die Jaarlikse Senior Beoordelaarsvergadering van die Dorper Telersgenootskap om hul bevindings voor te lê en die praktyk van ramme se kondisie voor veilings/skoue te bespreek. Die Telersgenootskap het belangstelling getoon in samewerking tydens opvolg studies.

Naam: Dr L.M.J. Schwalbach  
E-pos: schwallm.sci@mail.uovs.ac.za  
Tel.: 051 4012827

***Fire/Brand***

The impact of fire on the dynamics of the grassland ecosystem is for the first time quantified for the semi-arid areas. This information can serve as guidelines in veld restoration and for claims in court cases / Die impak van vuur op die funksionering van die weidingekosistiem in semi-ariëde gebiede is vir die eerste keer gekwantifiseer. Hierdie inligting kan dien as riglyne vir veldherstel, asook vir die beraming van skadevergoeding in hofseise veroorsaak deur onbeplande veldbrande.

Naam: Prof. H.A. Snyman  
E-pos: Snymanha.sci@mail.uovs.ac.za  
Tel.: 051 4012221

***Indications of the detrimental effects of high energy dietary levels on fertility of young bulls/Tendense van nadelige effekte op die vrugbaarheid van jong bulle op hoë energie peile.***

This was the first time that the practice of feeding bulls on high energy diets (performance testing) was questioned and the results of this study have attracted a great amount of interest from the industry. As a result, the group was invited to several farmer's days and to the AGM of the Bonsmara Breeders Association of South Africa, to present these results and to help with possible solutions. The ARC is also considered changing the diets used for phase C performance testing as a result of this study / Dit is die eerste keer dat die praktyk van voeding van hoë-energie-diëte (prestasietoetsing) bevraagteken is en bevindings het groot belangstelling uitgelok in die bedryf. Die resultaat was dat die groep genooi is om verskeie boeredae toe te spreek, sowel as die Algemene Jaarvergadering van die Bonsmara Telersgenootskap van SA en te help met moontlike oplossings. Die LNR oorweeg ook om die diëte wat gebruik word in fase C-prestasietoetsing te verander na aanleiding van die bevindings.

Naam: Dr. L.M.J. Schwalbach  
E-pos: Schwallm.sci@mail.uovs.ac.za  
Tel.: 051 4012827

***Pre-breeding examination - an extension of the services that a veterinarian can offer to the beef cattle farmer. Part 1: Replacement Heifer Examination/Voortelingsondersoek – 'n uitbreiding van die dienste wat 'n veearts kan aanbied aan die vleisbeesboer. Deel 1: Vervangingsversondersoek.***

A practical method to evaluate pre-breeding heifers objectively for potential fertility was proposed. This can be used as a practical tool for practicing livestock veterinarians and animal scientists to improve the national fertility rate of the beef herd / 'n Praktiese metode om verse voor paring objektief te evalueer is voorgestel. Dit kan gebruik word as 'n praktiese metode vir praktiserende veeartse en veekundiges in die veebedryf om die nasionale vrugbaarheid in beeskuddes te verbeter.

Naam: Dr. L.M.J. Schwalbach  
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Naam: Dr. L.M.J. Schwalbach  
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**Research awards and achievements/Acknowledgement of outstanding research contributions  
Navorsingstoekennings en prestasies/Erkenning van uitstaande bydraes**

SNYMAN, H.A. Prof.  
Animal, Wildlife and Grassland Sciences/Vee-, Wild- en Weidingkunde  
Eretoekening vir navorsing van die Fakulteit Natuur- en Landbouwetenskappe/Prestige award for research from the Faculty Natural and Agricultural Sciences.

**International collaboration**

**Internasionale samewerking**

**BOTSWANA**

Agricultural College  
Animal Production

**BRAZIL**

Emepa – Research Station  
Animal Production

**BRAZIL**

Government of Parana  
Agriculture

**ERITREA**

University of Eritrea  
Animal Science

**ETHIOPIA**

Agricultural Research Organization  
Animal Research Stations

**ETHIOPIA**

University of Alamaya  
Animal Science

**GERMANY**

Centre for Environmental Research  
Ecological Modelling

**LESOTHO**

National University of Lesotho  
Animal Science



Glen Agricultural College  
Animal Science

PE Technikon  
Agricultural Management

Pfizer Pharmaceuticals

Ramsem  
Semen and embryo collection centre

Technikon of Pretoria  
Nature Conservation

University of Potchefstroom  
School for Environmental Science and Development: Botany

University of Pretoria  
Animal and Wildlife Sciences

University of Stellenbosch  
Animal Science

Virbac SA

Voermol Feeds

**Membership of Professional and Scientific Associations**

**Lidmaatskap van Professionele en Wetenskaplike Verenigings**

DE WAAL, H.O.

Member: South African Council for Natural Scientific Professions

Member: South African Society of Animal Science

DU TOIT, J.E.J.

Member: South African Society of Animal Science

Member: South African Council for Natural Scientific Professions

ERASMUS, G.J.

Member: South African Council for Natural Scientific Professions

Member: South African Society of Animal Science

FAIR, M.D.

Member: South African Society of Animal Science

GREYLING, J.P.C.

Member: South African Council for Natural Scientific Professions

Council Member: South African Society of Animal Science

LEHLOENYA, K.C.

Member: South African Society of Animal Science

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Member: South African Council for Natural Scientific Professions

Member: South African Society of Animal Science

OOSTHUIZEN, I.B.

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SCHWALBACH, L.M.J.

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SMIT, G.N.

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Member: Wildlife Management Association of Southern Africa

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Member: Grassland Society of Southern Africa (GSSA)

VAN DER MERWE, H.J.

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Member: South African Society of Animal Science

VAN RENSBURG, G.

Member: Grassland Society of Southern Africa (GSSA)

VAN WYK, J.B.

Member: South African Council for Natural Scientific Professions

Member: South African Society of Animal Science

**Doctor's degree completed**  
**Doktorsgraad afgehandel**

BEYENE, Solomon Tefera

RANGELAND EVALUATION AND PERCEPTIONS OF THE PASTORALISTS IN THE BORANA ZONE OF SOUTHERN ETHIOPIA. PROMOTER: Prof. H.A. Snyman CO-PROMOTER: Prof. G.N. Smit

BOTHA, Philippus Rudolf

DIE PRODUKSIEPOTENSIAAL VAN OORGESAAIDE KIKOEJOEWEIDING IN DIE GEMATIGDE KUSGEBIED VAN DIE SUID-KAAP/THE PRODUCTION POTENTIAL OF OVERSOWN KIKUYU PASTURE IN THE TEMPERATE COASTAL AREA OF THE SOUTHERN CAPE. PROMOTOR/PROMOTER: Prof. H.A. Snyman

KEBEDE WOLDEMICHAEL, Mulugeta  
AN EVALUATION OF REPRODUCTIVE PERFORMANCE OF HORRO CATTLE IN ETHIOPIA.  
PROMOTER: Prof. J.P.C. Greyling CO-PROMOTER: Dr. L.M.J. Schwalbach

OMBIONYO, Messine  
CERTAIN ASPECTS OF THE REPRODUCTIVE PERFORMANCE OF ZEBU CATTLE IN CAMEROON.  
PROMOTER: Prof. J.P.C. Greyling CO-PROMOTER: Dr. L.M.J. Schwalbach

THERON, Johannes Frederick  
FARMREC: 'N GEÏNTEGREERDE EKSTENSIEWE VEEBOERDERY REKORDHOUDINGSTELSEL/  
FARMREC: AN INTEGRATED EXTENSIVE STOCK-FARMING RECORD-KEEPING SYSTEM.  
PROMOTER: Prof. G.N. Smit

VAN DER WESTHUIZEN, Hermias Cornelius  
DIE GEBRUIK VAN DEGRADASIEGRADIËNTE VIR WEIVELDEVALUERING IN 'n SEMI-ARIEDE  
GEBIED/THE USE OF DEGRADATION GRADIENTS FOR PASTURE EVALUATION IN A SEMI-  
ARID AREA. PROMOTOR/PROMOTER: Prof. H.A. Snyman

YOUSUF KURTU, Mohammed  
CERTAIN ASPECTS OF THE DAIRY SYSTEMS IN THE HARAR MILKSHED, EASTERN ETHIOPIA.  
PROMOTER: Prof. H.O. de Waal CO-PROMOTER: Dr. L.M.J. Schwalbach

ZELEKE, Mekuriaw Zeleke  
IMPROVING THE REPRODUCTIVE EFFICIENCY IN SMALL STOCK BY CONTROLLED BREEDING.  
PROMOTER: Prof. J.P.C. Greyling CO-PROMOTER: Dr. L.M.J. Schwalbach

**Master's degree completed  
Magistergraad afgehandel**

RAMAKATANE, Mareitumetse  
ROOT DYNAMICS AND WATER STUDIES ON OPUNTIA FICUS-INDICA AND O. ROBUSTA. Supervisor:  
Prof. H.A. Snyman

RATSÈLE, Clement  
PRODUCTION EVALUATION OF OPUNTIA ROBUSTA AND O. FICUS-INDICA CULTIVARS IN THE  
CENTRAL FREE STATE. Supervisor: Prof. H.A. Snyman Co-Supervisor: Dr. H.J. Fouche

VAN NIEKERK, Michiel  
A GENETIC EVALUATION OF PRODUCTION TRAITS IN NGUNI CATTLE Supervisor: Prof. F.W.C.  
Neser Co-Supervisor: Prof. J.B. van Wyk

VAN WYK, Guillaume  
ASPECTS OF THE COMMUNICATION AND FEEDING BEHAVIOUR OF CAPTIVE LEOPARDS  
(PANTHERA PARDUS). Supervisor: Prof. G.N. Smit Co-Supervisor: Prof. O.B. Kok

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Jooste-Smit, Y. Ms/Me.  
Joubert, Y. Prof.



JOUBERT, O.

Voorwoord/Preamble. Oorsig/Review 02, 2003. Departmental Prospectus, Department of Architecture, University of the Free State.

KOTZE, C.P.

Editorial [with le Roux, F.]. Leading Architecture and Design, September/October 2003:5.

KOTZE, C.P.

SmartGlass Architectural Student Competition. Leading Architecture and Design, September/October 2003:8.

KOTZE, C.P.

The Commonwealth Association of Architects. Leading Architecture and Design, September/October 2003:10.

KOTZE, C.P.

Outrage and Delight. Leading Architecture and Design, September/October 2003:33-36.

LAUBSCHER, J.

Community Service/Gemeenskapsdiens – Habitat for Humanity. Oorsig/Review 02, 2003:34. Departmental Prospectus, Department of Architecture, University of the Free State.

LAUBSCHER, J.

President's column: The Art of Design. Architecture South Africa, Journal of the South African Institute of Architects, March/April 2003.

LAUBSCHER, J.

President's column: Developing Greatness. Architecture South Africa, Journal of the South African Institute of Architects, May/June 2003.

LAUBSCHER, J.

President's column: The Three Questions. Architecture South Africa, Journal of the South African Institute of Architects, July/August 2003.

LAUBSCHER, J.

President's column: Adopt and Dye. Architecture South Africa, Journal of the South African Institute of Architects, September/October 2003.

LAUBSCHER, J.

President's column: Jurors' Report. Architecture South Africa, Journal of the South African Institute of Architects, November/December 2003.

SMIT, J.D.

Design 1 [ONW100]. Oorsig/Review 02, 2003:3-6. Departmental Prospectus, Department of Architecture, University of the Free State.

SWART, G.P.

Peter Buchanan – A gracious 'architect' of architectural criticism. Leading Architecture and Design, September/October 2003:14-16.

SWART, G.P.

Design 2/[ONW200]. Oorsig/Review 02, 2003:9-12. Departmental Prospectus, Department of Architecture, University of the Free State.

### **Unpublished research reports**

### **Ongepubliseerde navorsingsverslae**

SWART, G.P.

THE EPHEMERAL AND THE ETHEREAL IN THE 'ETERNAL CITY':

celebrating life in the flow of water, image and information in the act of building at the Baths of Caracalla in Rome. Theme, theoretical premise and brief for the South African Institute of Architecture Rome Scholarship Competition in Architecture 2003.



**International collaboration**  
**Internasionale samewerking**

JOOSTE-SMIT, P.  
The NETHERLANDS

Received a grant from SANPAD (South Africa Netherlands Programme for Research in Alternative Development) to work on Earth Construction in collaboration with the Department of City and Regional Planning, UFS, and Die Technische Universiteit Eindhoven, Eindhoven, the Netherlands.

JOUBERT, O.  
SWEDEN

Chalmers University of Technology, Göteborg

November 2003: Official invitation to give two lectures on South African Architecture, in order to establish the possibility of a student exchange scheme between the specific Swedish University and the University of the Free State.

FINLAND

Helsinki University of Technology, Helsinki.

November 2003: Official invitation to give two lectures on South African Architecture.

**Local collaboration**  
**Plaaslike samewerking**

JOOSTE-SMIT, P.

CSIR Building Technology Experimental School at Kuruman – Earth Construction.

**Membership of Professional and Scientific Associations**  
**Lidmaatskap van Professionele en Wetenskaplike Verenigings**

DU PREEZ, J.L.

The Free State Institute of Architects [FSIA]/The South African Institute of Architects [SAIA]

The South African Council for the Architectural Professions [SACAP]

JOOSTE-SMIT, P.

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RAS, J.W.

President of the South African Institute of Architects

SMIT, J.D.

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RAS, J.W.

Organiser: Commonwealth Association of Architects (CAA), General Assembly and Conference 25 until 30 August 2003, Bloemfontein South Africa Globalisation and Architecture : Commonwealth Opportunity.

RAS, J.W.

SAIA Delegate. First Union of International Architects (UIA). Conference on Education 08 until 10 March 2003, Alexandria Egypt : Architectural Education for the new Millennium : Knowledge is power.

RAS, J.W.

SAIA Delegate: Union of International Architects (UIA) Africa. National Presidents Meeting 07 until 10 December 2003 Khartoum Sudan.

RAS, J.W.

Adjudicator: Southern Africa peer review for the 2003 Fulton. Awards (Excellence in Concrete).

RAS, J.W.

Adjudicator: South Africa convener for the 2001/2002 South African Institute of Architects (SAIA) Awards of Merit.

RAS, J.W.

Adjudicator: South Africa convener for the 2001/2002 South African Institute of Architects (SAIA) Awards for Excellence.

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Groenewald, I.B. Dr.

### **Conference proceedings Konferensiehandelinge**

STROEBEL, A., SWANEPOEL, F.J.C., PELL, A., GROENEWALD, I.B.,  
Natural resource management strategies and impacts related to smallholder ruminant livestock production systems in sub-Saharan Africa. Paper presented at the 9<sup>th</sup> World Conference of Animal Productio, Porto Allegre. Brazil. 26 – 31 October 2003.

STROEBEL, A., SWANEPOEL, F.J.C., PELL, A., GROENEWALD, I.B.,  
Socio-economic complexities of smallholder rumint livestock production systems in sub-Saharan Africa : Future challenges. Paper presented at the 9<sup>th</sup> World Conference of Animal Productio, Porto Allegre. Brazil. 26 – 31 October 2003.

### **Research articles published in other journals Navorsingsartikels in ander tydskrifte**

GROENEWALD, I.B.

Wat is die antwoord op vee se voedingsbehoefte? Noordwes Nuus. Februarie 2003.

GROENEWALD, I.B.

Doelmatige lekaanvulling onder ekstensiewe toestande. Agriforum, Namibia. Junie 2003.

GROENEWALD, I.B.

Fosfaatlekaanvulling : Van wetenskap tot praktyk. Ons Eie, Suidwes Landbou. November 2003.

### **Editorships/co-editorships Redakteurs/mederedakteurs**

GROENEWALD, I.B.

Raad van Redakteurs: Journal of Sustainable Agriculture

## **International collaboration Internasionale samewerking**

### Amerika:

- Universiteit van Kalifornië, Davis-kampus,
- CIIFAD te Cornell Universiteit,
- Virginia Tech en
- Illinois Universiteit

### Engeland:

- Essex Universiteit
- Wye/Imperial College
- Royal Agricultural College

### Europa:

- Wageningen Universiteit
- Leuven Universiteit en
- Dronten, NL

### Australië:

- Universiteit van Sydney
- Universiteit van Queensland

### SADC

- Kontak met meeste van die HSU en HBU word gehandhaaf.

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Purcell, W.P. Prof.  
Swarts, J.C. Prof.  
Visser, H.G. Dr.

## **Conference proceedings Konferensiehandelinge**

BRANDT, E.V.

Configuration and the Conformational Behaviour of Oligomeric Flavonoids. In Polyphenols 2002, Recent Advances in Polyphenols Research, El Hadrame, I., Daayf, F. (Eds), ISBN 9954-8333-0-7, Group Phenols, Marrakesh, Morocco, 2003:223-238.

## **Conference Proceedings Konferensievoordragte**

SWARTS, J.C., KOORTZEN, J.G., MOKONE, T.E.

Use of polymer-bound crown ethers to remove sodium cations from polluted Water. 10<sup>th</sup> International Symposium on Macromolecule-Metal Complexes (MMC10), Moscow, Russia, 18-23 May 2003.

### Research articles in accredited research journals

### Navorsingsartikels in geakkrediteerde navorsingstydskrifte

CONRADIE, J., GHOSH, A.

Do the One-Electron Oxidized Derivatives of Some Six-Coordinate Low-Spin Iron(III) Porphyrins Feature Strong Metal-Ligand Ferromagnetic Coupling? A DFT Investigation of an Intriguing Proposal. *Journal of Physical Chemistry B* 2003; 107: 6486-6490.

CONRADIE, J., WONDIMAGEGN, T., GHOSH, A.

Molecular Structure and Conformation of Dinitrosylheme. *Journal of the American Chemical Society* 2003;125:4868-4969.

DJOKOVIC, V., MTSHALI, T.N., LUYT, A.S.

The influence of wax content on the physical properties of low-density polyethylene – wax blends. *Polymer International* 2003;52(6):999-1004.

KAMARA, B.I., BRANDT, E.V., FERREIRA, D., JOUBERT, E.

Polyphenols from Honeybush Tea (*Cyclopia intermedia*). *Journal of Agricultural and Food Chemistry* 2003;51(13):3874-3879.

HLANGOTHI, S.P., KRUPA, I., DJOKOVIC, V., LUYT, A.S.

Thermal and mechanical properties of cross-linked and uncross-linked polyethylene – wax blends. *Polymer Degradation and Stability* 2003;79(1):53-59.

MBHELE, Z.H., SALEMANE, M.G., VAN SITTERT, C.G.C.E., NEDELJKOVIC, J.M., DJOKOVIC, V., LUYT, A.S.

Fabrication and Characterization of Silver-Polyvinyl Alcohol Nanocomposites. *Chemistry of Materials*, 2003,15(26):5019-5024.

MEIJ, A.M.M., OTTO, S., ROODT, A.

*Trans*-bis(3,5-diaza-1-azonia-7-phosphaadamantane-κP)bis-(thiocyanato-κS)palladium(II) bis(thiocyanate). *Acta Crystallographica Section C* 2003;C59: m352-m354.

MTSHALI, T.N., VAN SITTERT, C.G.C.E., DJOKOVIC, V., LUYT, A.S.

Binary mixtures of polyethylene and oxidized wax: Dependence of thermal and mechanical properties upon mixing procedure. *Journal of Applied Polymer Science* 2003;89(9):2446-2456.

VISSER, H.G., PURCELL, W., BASSON, S.S.

Di-μ-hydroxo bridge-cleavage reactions between  $[\text{Co}(\text{nta})(\mu\text{-OH})]_2^{2+}$  and different monodentate ligands. *Transition Metal Chemistry* 2003;28:235-240.

WASBOTTEN, I.H., CONRADIE, J., GHOSH, A.

Electronic Absorption and Resonance Raman Signatures of Hyperporphyrins and Nonplanar Porphyrins. *Journal of Physical Chemistry B* 2003;107:3613-3623.

### Master's degree completed

### Magistergraad afgehandel

DAVIS, Wade Luke

SYNTHESIS, ELECTROCHEMICAL AND SPEC-TROSCOPIC STUDIES OF MULTIDODECYLATED LIQUID CRYSTALLINE PHTHALOCYANINE-FERROCENYLETHOXIDE CONJUGATES FOR BIOMEDICAL APPLICATIONS. Cum laude Supervisor: Prof. J.C. Swarts

NEL, Esti

MALEIC AND SUCCINIC ACID DERIVATIVES AS KEY PRECURSORS TOWARDS THE SYNTHESIS OF COMMERCIAL SURFACTANTS. Supervisor: Prof. J.A. Steenkamp

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Van der Westhuizen, J. Mr/Mnr.

**Conference presentations  
Konferensievoordragte**

BLIGNAUT, P.J.

Lessons learnt when developing a touch screen-based information system for low income African commuters. CHI-SA 2003 Human-Computer Interaction Conference, Johannesburg, SA. 10-11 November 2003.

VAN ASWEGEN, W.

Some Software Tools for Research on Human-Computer Interaction. 33<sup>rd</sup> Conference of the South African Computer Lecturers' Association (SACLA), Pilanesberg Nature Reserve, Northern Transvaal, SA. 29 June to 1 July 2003.

MESSERSCHMIDT, H.J., MESSERSCHMIDT, J.J.E., BLANCKENBERG, L.E., V.D. WESTHUIZEN, J.

Semi-automatic generation of LA Grammars. International Colloquium on Multi-lingualism and Electronic Information Management, University of the Free State, Bloemfontein, SA. 22-23 September, 2003.

**Research articles in accredited research journals**

**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

MESSERSCHMIDT, H.J., MESSERSCHMIDT, J.J.E., THULO, D.P.

A human-assisted computer generated LA-grammar for simple sentences in Southern Sotho. Southern African Linguistics and Applied Language Studies 2003;21(1&2):41-47.

**Unpublished research reports**

**Ongepubliseerde navorsingsverslae**

BLIGNAUT, P.J., NEL, W.

A measuring instrument to determine the successful state of potential computer students. 2003.

MESSERSCHMIDT, H.J.M., STEVENSON, J.A.

Crossword Puzzle Project. 2003.

BLIGNAUT, P.J., LOMBARD, C.P.

Speech Recognition Research. 2003.

MCDONALD, T., BOTES, D.J.J.

Clickstream analysis application. 2003.

VAN ASWEGEN, W., NKONDOLA S.

Measuring the efficiency of computer use. 2003.

BLIGNAUT, P.J., MCDONALD, T., STEYN, J.G.

Statistical class. 2003.

DE WET, L., SO C-Y.

4U2 meet me.com. Home discussion forum about us. 2003.

VAN ASWEGEN, W., DOS SANTOS F.P.

A statistical analysis of Parkinson's Disease demographics in South Africa. 2003

VAN ASWEGEN, W., POTGIETER, S. E.

Keyboard accessibility for people with Parkinson's Disease. 2003.

VAN ASWEGEN, W., ROUX, B.E.J.

Geskiktheid van Joystick vir persone met Parkinson's Disease [The suitability of Joystick for persons with Parkinson's Disease]. 2003.

### **Editorships/co-editorships**

#### **Redakteurs/mederedakteurs**

DE WET, L.

Member of editorial committee: Journal of End User Computing

### **International collaboration**

#### **Internasionale samewerking**

'n Kursus van CTI (School for Computer Science, Telecommunications and Information Systems) van De Paul Universiteit in Chicago is in die eerste semester van 2003 by die department op nagraadse vlak aangebied. Die kursus, wat gehandel het oor Intranette en Besigheidsintelligensie, was elektronies beskikbaar aan die studente omdat dit opgeneem is met CTI se "Course Online" tegnologie. Die aanbieding van die kursus maak deel uit van 'n ooreenkoms tussen die Departement Rekenaarwetenskap en Informatika en CTI – die grootste rekenaarwetenskapskool in die VSA. [A course on Intranets and Business Intelligence presented at CTI (School for Computer Science, Telecommunications and Information Systems) at DePaul University, Chicago was offered to post-graduate students at the department in the first semester of 2003. The actual CTI course, recorded on CTI's Course-Online technology, was available to the students electronically. The presentation of the course formed part of the relationship between the Department of Computer Science and Informatics and CTI – the largest computer Science School in the USA.]

### **Membership of Professional and Scientific Associations**

#### **Lidmaatskap van Professionele en Wetenskaplike Verenigings**

BLIGNAUT, P.J.

Computer Science and Informatics

Member: Special Interest Group Computer Human Interfaces (SIG-CHI), Association of Computing Machinery (ACM)

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DEDNAM, E.H.

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TOLMIE, C.J.  
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VAN ROOYEN, J.C.  
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**Master's degree completed  
Magistergraad afgehandel**

BURGER, Andries Johannes  
SOME PSYCHOLOGICAL AND BIOGRAPHICAL PREDICTORS OF COMPUTER PROFICIENCY: AN ANALYSIS OF THE POTENTIAL OF A NOVICE TO BECOME A GOOD COMPUTER USER. Supervisor: Dr. P.J. Blignaut Co-Supervisor: Prof. G.K. Huysamen

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**Conference presentations  
Konferensievoordragte**

ADJEI, A.  
Berry cultivation in Eastern Free State: a challenge for sustainable rural development. 5<sup>th</sup> Biennial Conference of the Society of South African Geographers, Bloemfontein, 21-23 September 2003.



PRETORIUS L., DE VILLIERS, G. du T.

The impact of a developing community on the water quality of an urban river. *Acta Academica Supplementum* 2003;(1):173-191.

VISSER, G.

Visible, yet unknown: reflections on second home development in South Africa. *Urban Forum* 2003;14(4) 379-407.

VISSER, G.

Gay men, leisure space and South African cities: the case of Cape Town. *Geoforum* 2003;34(1):123-137.

VISSER, G.

Gentrification: prospects for urban South African society? *Acta Academica Supplementum* 2003;(1):79-104.

VISSER, G.

Unvoiced and invisible: on the transparency of white South Africans in post-apartheid geographical discourse. *Acta Academica Supplementum* 2003;(1):220-244.

VISSER, G.

Spatialities of social justice and local government transition: notes on and for a South African social justice discourse. *South African Geographical Journal* 2003;85(2):99-111.

VISSER, G.

The local development impacts of backpacker tourism: evidence from the South African experience. *Urban Forum* 2003;14(2/3):264-293.

VISSER, G.

South African Tourism (SAT) and its role in the perpetuation of an uneven tourism space economy. *Africa Insight* 2003;33(1/2):116-123.

VISSER, G.

The World Wide Web and tourism in South Africa: the case of Open Africa. *Africa Insight* 2003;33(1/2):150-157.

VISSER, G.

Gay men, tourism and urban space: reflections on Africa's 'gay capital'. *Tourism Geographies* 2003;5(2):168-189.

VISSER, G., KOTZE, N.

A road runs through it: on tourism infrastructure development in the Golden Gate Highlands National Park. *Africa Insight* 2003;33(1/2):55-60.

#### **Published research reports**

#### **Gepubliseerde navorsingsverslae**

VISSER, G., BARKER, C., MELLETT, R.

Trekking South Africa – a survey of backpacker tourism. Published Report for Backpacker Tourism South Africa.: Department of Geography, UFS: June 2003: 38. ISBN 0-86886-675-X.

#### **Book and other reviews**

#### **Boek- en ander resensies**

VISSER, G.

Spatialities of South African urban change: perspectives on post-apartheid urban problems and challenges at the beginning of the 21<sup>st</sup> century. *Acta Academica Supplementum* 2003;(1):i-ix.

VISSER, G.

Review of A. Lemon and C.M. Rogerson (eds): *Geography and economy in South Africa and its neighbours*. *Singapore Journal of Tropical Geography* 2003;24(2):267-268.

VISSER, G.

Review of Watson: Change and continuity in spatial planning: Metropolitan planning in Cape Town under political transition. *Urban Forum* 2003;14(1):119-121.

### **Editorships/co-editorships**

### **Redakteurs/mederedakteurs**

VISSER, G., DE VILLIERS, G. DU T.

Guest editors, *Acta Academica Supplementum* (1) 2003.

VISSER, G.

Managing Editor: *Urban Forum* (Transaction Periodicals Consortium, New York, USA).

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### **Membership of Professional Science Associations**

### **Lidmaatskap van Professionele Wetenskaplike Verenigings**

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Botanical Society of South Africa (member)

Dendrological Society of South Africa (member)

South African Association for Research and Development in Higher Education (member)

South African Institute for Ecologists and Environmental Scientists (associate member)

South African Association of Geomorphologists (member and council member)

National Geographic Society, (USA), (member)

GeoInformation Society of South Africa (member)

Free State Association of GIS Users (member)

DE VILLIERS, G. DU T.

Society of South African Geographers (member)

International Association of Hydrological Sciences (member)

KOTZE, N.J.

Council member of the Society of South African Geographers

KRUGER, E.

Society of South African Geographers (member)

VISSER, G.E.

Council Member: Society of South African Geographers

National Committee of the International Geographical Union

### **Master's degree completed**

### **Magistergraad afgehandel**

CRONJÉ, Liesel

‘n TYD-RUIMTELIKE ONDERSOEK NA DIE VERSPREIDING VAN TUBERKULOSE IN DIE VRYSTAAT - ‘n GIS-TOEPASSING/A TIME-SPATIAL INVESTIGATION INTO THE SPREAD OF TUBERCULOSIS IN THE FREE STATE – A GIS APPLICATION. Cum laude. Studieleier/Supervisor: Dr. C.H. Barker

MARAIS, Johann Georg Lochner

LOW-INCOME HOUSING IN THE POST-APARTHEID ERA: TOWARDS A POLICY FRAMEWORK FOR THE FREE STATE. PROMOTER: Dr. D.S. Krige CO-PROMOTERS: Prof. E.P. Beukes Prof. G. du T. De Villiers

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**Chapters in books**  
**Hoofstukke in boeke**

ARNESEN, M., VAN DER WESTHUIZEN, W.A.

Knowledge in – Money out, redefining mine planning and scheduling standards to improve and stabilize business performance. Camisani-Calzolari, F.A. (Ed.). 31<sup>st</sup> International Symposium on Applications of Computers and Operations Research in the Minerals Industries, South African Institute of Mining and Metallurgy, Johannesburg, Symposium Series S 31, 2003, ISBN 1-919783-46-6.

LOOCK, J.C.

British small arm ammunition. R. Bester (Ed.). Small Arms of the Anglo-Boer War 1899 – 1902, Kraal Publishers. Brandfort, 2003: 279 - 300.

**Conference Proceedings**  
**Konferensiehandelinge**

ARNESEN, M., VAN DER WESTHUIZEN, W.A.

Knowledge in – Money out, redefining mine planning and scheduling standards to improve and stabilize business performance. 31<sup>st</sup> International Symposium on Applications of Computers and Operations Research in the Minerals Industries, 14 - 16 May, Cape Town.

**Conference presentations**  
**Konferensievoordragte**

ARNESEN, M., VAN DER WESTHUIZEN, W.A.

Knowledge in – Money out, redefining mine planning and scheduling standards to improve and stabilize business performance. 31<sup>st</sup> International Symposium on Applications of Computers and Operations Research in the Minerals Industries, 14 - 16 May, Cape Town.

JACOBSON, L.

Geochemistry and archaeology: a creative bond. Keynote address, Student Geocongress, 22-28 June, Bloemfontein, SA, 2003.

JACOBSON, L., VAN DER WESTHUIZEN, W.A.

Pre-Colonial pottery provenancing project. Conference of the Society of South African Geographers, Bloemfontein, 2003, 34 - 35.



LOMBARD, A., DE BRUIYN, H., SCHOLTZ, N., PRAEKELT, H.E., WILSON, A.H., SCHOCH, A.E.  
The Thuathe meteorite fall of 21 July 2002. South African Journal of Science 2003;99(2):160-162.

#### **Research articles published in other journals**

#### **Navorsingsartikels in ander tydskrifte**

LOMBARD, A.

The Thuathe meteorite of 21 July 2002. Monthly Notes of the Astronomical Society of Southern Africa. 2003;62:(11&12):247-250.

#### **Unpublished research reports**

#### **Ongepubliseerde navorsingsverslae**

BEUKES, G.J.

‘n Mineralogiese ondersoek van drie monsters potensieële padboumateriaal vir die Alice-Middeldriftprojek [A mineralogical investigation of three samples of potential road building aggregate for the Alice-Middeldrift project]. Unpublished Confidential Report for SIMLAB, Department of Geology, University of the Free State, Bloemfontein, 2003:7.

BEUKES, G.J.

‘n Mineralogiese ondersoek van ses mineraalaggregaat-monsters vanaf ‘n gebied noord-oos van Uis, Namibië [A mineralogical investigation of six samples of mineral aggregate from an area northeast of Uis, Namibia]. Unpublished Confidential Report, Department of Geology, University of the Free State, Bloemfontein, 2003:7.

BEUKES, G.J.

‘n Mineralogiese ondersoek van twee dolerietmonsters as potensieële padboumateriaal vir die Cypress Grove-Tafelbergprojek, distrik Cradock [A mineralogical investigation of two dolerite samples as potential road building aggregate for the Cypress Grove – Tafelberg project, Cradock District]. Unpublished Confidential Report for SIMLAB, Department of Geology, University of the Free State, Bloemfontein, 2003:5.

DE BRUIYN, H.

The diamond potential of the Bell's Bank kimberlite as established from indicator mineral compositions. Unpublished Confidential Report, Department of Geology, University of the Free State, Bloemfontein, 2003:8.

DE BRUIYN, H.

The diamond potential of a sample submitted by MABEX as established from indicator mineral compositions. Unpublished Confidential Report, Department of Geology, University of the Free State, Bloemfontein, 2003:8.

DE BRUIYN, H., VAN DER WESTHUIZEN, W.A.

The composition of columbite-tantalite from Zimbabwe. Unpublished Confidential Report, Department of Geology, University of the Free State, Bloemfontein, 2003:4.

DE BRUIYN, H., VAN DER WESTHUIZEN, W.A.

The composition of nine columbite-tantalite samples from Zimbabwe. Unpublished Confidential Report, Department of Geology, University of the Free State, Bloemfontein, 2003:9.

LOOCK, J.C.

The geology of the route between Macomane and Manhica in southern Moçambique. Unpublished Confidential Report, Department of Geology, University of the Free State, Bloemfontein, 2003:6.

#### **Book and other reviews**

#### **Boek- en ander resensies**

LOOCK, J.C.

Nege families se ervaringe belig [Group portrait South Africa, nine family histories]. Paul Faber (Ed.), Kwela Books, Kit Publishers. Die Volksblad, 7 Julie/July 2003.

## **Highlights from research findings** **Glanspunte in navorsingsbevindings**

Antimony sulphides have so far never been found in extraterrestrial material, except in the Thuat meteorite which makes this a unique find. Together with studies on other meteorites from Malawi and Namibia it augurs well for finding new minerals in these rocks. The M.Sc.-study of Mr. Scholtz on the radio-activity from abandoned mining sites in the Karoo is cause for concern with regard to the effects of pollution and the remediation of these sites should become a point of extreme urgency, especially when considering the financial implications and probable future claims. The structure for the Aggeneys Hills suggested by Colliston and Schoch, is a key for exploration for metal sulphide dE-positis in the Bushmanland region.

## **Awards/Prizes of National Conferences** **Toekennings/Pryse ontvang by Nasionale Konferensies**

LOMBARD, A.

Earth Sciences/Aardwetenskappe

Tweede beste referaat in die kategorie Fisiese Wetenskappe gelewer by /Second best paper in the category Physical Sciences presented at the SA Akademie vir Wetenskap en Kuns Studente-simposium, 31 Oktober, Bloemfontein, SA, 2003.

## **International collaboration** **Internasionale samewerking**

MALAWI

Geological Survey  
Geology

## **Local collaboration** **Plaaslike samewerking**

University of Natal, Durban  
Department of Geology

University of Pretoria  
Department of Geology

University of the Witwatersrand  
Department of Geology

Comparex Africa  
Mineral Resource Management

Kumba Resources  
Geology, Mineral Resource Management

Billiton PLC  
Geology

Harmony Mining Company  
Geology

African Rainbow Minerals  
Geology

Isizwe Coal  
Geology

Council for Geosciences, Pretoria  
Geology, South African Committee for Stratigraphy

## **Membership of Professional and Scientific Associations Lidmaatskap van Professionele en Wetenskaplike Verenigings**

BEUKES, G.J.

Full member of the South African Academy of Science and Art  
Geological Society of South Africa  
Southern African Crystallographic Society  
Mineralogical Association of South Africa  
International Union of Crystallographers  
Mineralogical Society of Canada  
International Mineralogical Society  
Botanical Society of South Africa  
Succulent Society of South Africa  
Bloemfontein Branch of the Succulent Society of South Africa  
Dendrological Society of South Africa  
Bloemfontein Branch of the Dendrological Society of South Africa  
Natural Sciences Society of Namibia  
Fellow of the Photographic Society of South Africa  
Bloemfontein Branch of the Photographic Society of South Africa  
Free State Branch of the Photographic Society of South Africa  
Associate member of the Federation of Afrikaans Cultural Societies

COLLISTON, W.P.

Geological Society of South Africa  
International Association of Structural/Tectonic Geologists  
American Geophysical Union  
Fellow of the Geological Society (London)  
Task Group for the Vredefort Structure for the South African Committee for Stratigraphy  
Archaeological Society of South Africa  
Registered with the Council of Natural Sciences

DE BRUIYN, H.

Geological Society of South Africa  
Southern African Society for Quaternary Research  
Electron microscopic Society of South Africa  
Mineralogical Association of South Africa  
International Association of Volcanology and Chemistry of the Earth's Interior  
Archaeological Society of South Africa  
The Trans-Gariep Branch of the Archaeological Society of South Africa  
Fellow of the Mineralogical Society (London)

LOMBARD, A.

Geological Society of South Africa  
Society for Economic Geologists

LOOCK, J.C.

Geological Society of South Africa  
Southern African Society for Quaternary Research  
Archaeological Society of South Africa  
The Trans-Gariep Branch of the Archaeological Society of South Africa

PRAEKELT, H.E.

Geological Society of South Africa  
Registered with the Council of Natural Sciences

SCHOCH, A.E.

Chairman: Friends of the Boyden Observatory  
Chairman: Cape Granites Working Group, South African Committee for Stratigraphy  
Chairman: Precambrian of the North-western Cape Working Group, South African Committee for Stratigraphy

Van der Westhuizen, W.A.  
Geological Society of South Africa  
International Association of Volcanology and Chemistry of the Earth's Interior  
Archaeological Society of South Africa  
The Trans-Gariep Branch of the Archaeological Society of South Africa  
International Liaison Group on Gold Mineralisation  
Dendrological Society of South Africa  
Spectroscopic Society of South Africa  
Chairman: Ventersdorp Working Group, South African Committee for Stratigraphy

**Master's degree completed**  
**Magistergraad afgehandel**

PINETOWN, Kaydy Lavern  
QUANTITATIVE EVALUATION OF MINERALS IN COAL DE-POSITS OF THE WITBANK AND  
HIGHVELD COALFIELDS AND THE POTENTIAL IMPACT ON ACID MINE DRAINAGE. Supervisor;  
Prof W.A. van der Westhuizen

SCHOLTZ, Nicolaas  
ASSESSMENT OF POTENTIAL TOXIC INFLUENCE OF URANIUM TRIAL MINING IN THE KAROO  
URANIUM PROVINCE. Supervisor: Mr J.C. Looek Co-Supervisor: Dr. H.E. Praekelt

**INSTITUTION OF GROUNDWATER STUDIES**  
**INSTITUUT VIR GRONDWATERSTUDIE**

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**Doctor's degree completed**  
**Doktorsgraad afgehandel**

BEAN, John Alexander  
A CRITICAL REVIEW OF RECHARGE ESTIMATION METHODS USED IN SOUTH AFRICA  
PROMOTER: Prof. G.J. van Tonder

DZANGA Panganai  
THE SEISMO-DEFORMATION OF KAROO AQUIFERS INDUCED BY THE PUMPING OF A  
BOREHOLE. PROMOTER: Prof. J.F. Botha CO-PROMOTER: Prof. A.H.J. Cloot

FOURIE, Francois Daniel  
APPLICATION OF ELECTROSEISMIC TECHNIQUES TO GEOHYDROLOGICAL INVESTIGATIONS  
IN KAROO ROCKS. PROMOTER: Prof. J.F. Botha

USHER, Brent Herbert  
THE DEVELOPMENT AND EVALUATION OF HYDROGEOCHEMICAL PREDICTION TECHNIQUES  
IN SOUTH AFRICAN COALMINES. PROMOTER: Prof. F.D.I. Hodgson

**Master's degree completed**  
**Magistergraad afgehandel**

ELLINGTON, Ryan Grant  
THE QUANTIFICATION OF THE IMPACT OF IRRIGATION ON THE AQUIFER UNDERLYING THE  
VAALHARTS IRRIGATION SCHEME. Supervisor: Dr. B.H. Usher

LABUSCHAGNE, Pieter Ferdinandus  
THE DEVELOPMENT OF A GROUNDWATER CLOSURE AND REHABILITATION PLAN IN A  
TYPICAL GOLD MINE ENVIRONMENT. Cum laude. Supervisor: Dr. B.H. Usher

NYENDE, Jacob  
EVALUATION OF GROUNDWATER RESOURCE POTENTIAL OF PALLISA DISTRICT IN EASTERN  
UGANDA. Cum laude Supervisor: Prof. F.D.I. Hodgson

VELTMAN, Sonia  
A METHODOLOGY FOR GROUNDWATER MANAGEMENT IN DOLOMITIC TERRAINS WITH THE  
SCHOONSPRUIT COMPARTMENT AS PILOT AREA. Cum laude. Supervisor: Dr. B. Usher

VERMEULEN, Petrus Daniël  
INVESTIGATION OF WATER DECONTAMINATION FROM THE UNDERGROUND COLLIERIES IN MPUMALANGA.  
Cum laude Supervisor: Prof. F.D.I. Hodgson

**DEPARTMENT OF MATHEMATICS AND APPLIED MATHEMATICS**  
**DEPARTEMENT WISKUNDE EN TOEGEPASTE WISKUNDE**

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Authors in the Department/Outeurs verbonde aan die Departement:  
Schröder, J. Dr.

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

SCHRÖDER, J.  
Filling boxes densely and disjointly. Commentationes Mathematicae Universitatis Carolinae. 2003;44(1):187-196.

**DEPARTMENT OF MICROBIAL, BIOCHEMICAL & FOOD BIOTECHNOLOGY**  
**DEPARTEMENT MIKROBIESE, BIOCHEMIESE & VOEDSELBIOTEGNOLOGIE**

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Authors in the Department/Outeurs verbonde aan die Departement:

Albertyn, J. Dr.  
Bothma, C. Mrs/Mev.  
Bragg, R.R. Dr.  
Christov, L.P. Prof.  
Du Preez, J.C. Prof.  
Hugo, A. Dr.  
Hugo, C.J. Dr.  
Kilian, S.G. Prof.  
Kock, J.L.F. Prof.  
Litthauer, D. Prof.  
Myburgh, J. Dr.  
Nthangeni, B. Dr.  
Osthoff, G. Prof.  
Smit, M.S. Prof.  
Steyn, M.S. Prof.  
Van Heerden, E. Dr.  
Van Tonder, A. Dr.  
Viljoen, B.C. Prof.  
Wolfaardt, J.F. Dr.



CHARIMBA, G., HUGO, C.J., HUGO, A.

The incidence of *E. coli* 0157:H7 in Hamburger patties in Bloemfontein and evaluation of rapid methods for detection. The 17<sup>th</sup> SAAFoST International Congress, Pretoria, 1–4 September 2003.

CHIPETA, Z.A., DU PREEZ, J.C., SZAKACS, G., CHRISTOV, L.

Enzyme production by two *Aspergillus* strains using spent sulfite liquor. 12<sup>th</sup> International Symposium on Wood and Pulping Chemistry, Madison, Wisconsin, USA, 8-12 June 2003.

COLEMAN, K.M., NOLAN, J.R., DAVIS, K.L., PHELPS, T.J., KIEFT, T.L., VAN HEERDEN, E., LITTHAUER, D., PFIFFNER, S.M.

U.S./South African Undergraduate Education and Research Workshop. American Geophysical Union meeting, San Francisco, 6-10 December 2002.

DE WIT, M., OSTHOFF, G., VILJOEN, B.C., HUGO, A., BOTES, P.J.

Comparison of lypolysis and proteolysis in Cheddar cheese and three different yeast-inoculated Cheddar cheeses. 35<sup>th</sup> Dairy Technology Symposium, Northern Drakensberg, KZN, 10-12 March 2003.

DU PREEZ, J.C., CHIPETA, Z.A., CHRISTOV, L., SZAKACS, G.

Evaluation of sulphite waste liquor as carbon feedstock for xylanase production by natural and recombinant strains of *Aspergillus*. 11<sup>th</sup> European Congress on Biotechnology, Basel, Switzerland, 24-29 August 2003.

DU PREEZ, J.C., CHIPETA, Z. A., CHRISTOV, L., SZAKACS, G.

Xylanase production by *Aspergillus* strains on sulphite waste liquor as carbon feedstock. FEMS 2003 - First Congress of European Microbiologists, Ljubljana, Slovenia, 29 June - 3 July 2003.

FERREIRA, A.D, LOURENS-HATTINGH, A., VILJOEN, B.C.

The effect of *Debaryomyces hansenii* and *Yarrowia lipolytica* on the viability of probiotic bacteria in bio-yogurt. 23<sup>rd</sup> ISSY, Interactions between Yeasts and other Organisms, Budapest, Hungary, 26-29 August 2003.

KALORIZAS, M., KOCK, J.L.F., POHL, C.H., BOTES, P.J., ALBERTYN, J.

The value of RFLP analysis and lipid composition in the taxonomy of the genus *Kluyveromyces*. 23<sup>rd</sup> International Specialised Symposium on Yeasts (Interactions between yeasts and other organisms), Budapest, Hungary, 26-29 August 2003.

KANDIOLLER, G., CHRISTOV, L.

Hardwood soda-alkali pulp bleaching with molybdovanadophosphoric acids. 12<sup>th</sup> International Symposium on Wood and Pulping Chemistry (ISWPC), Madison, USA, 8-12 June 2003.

KNOX, A., VILJOEN, B.C., LOURENS-HATTINGH, A., DE JAGER, P.H.

Development of yeast populations during the processing and ripening of blue veined cheese. 23<sup>rd</sup> ISSY, Interactions between Yeasts and other Organisms, Budapest, Hungary, 26-29 August 2003.

KOCK, J.L.F., STRAUSS, C.J., NIGAM, S.

The distribution of 3-hydroxyoxylipins in fungi and its implications. Plant oxylipins – 2<sup>nd</sup> Joint Symposium, Göttingen, Germany, 12-14 June 2003.

NIGAM, S., DEVA, R., CICCOLI, R., IVANOV, I., RUTER, H., SAHI, S., KOCK, J.L.F.

3-Hydroxyoxylipins, a group of novel fungal eicosanoids. Plant oxylipins – 2<sup>nd</sup> Joint Symposium, Göttingen, Germany, 12-14 June 2003.

ONSTOTT, T.C., LIN, L. MISLOWACK, B., HALL, J., DAVIDSON, M., PFIFFNER, S., PEACOCK, A., WHITE, D.C., PHELPS, T., MOSER, D., FREDRICKSON, J., GIHRING, T., BROCKMAN, F., KIEFT, T., MCCUDDY, S., BOONE D., BONIN, A., PRATT, L., BOICE, E., FONG, J., SHERWOOD LOLLAR, B., WARD, J., SLATER, G., LIPPMANN, J., STUTE, M., SCHLOESSER, P., SOUTHAM, G., LENGKE, M., BALKWILL, D., TRIMARCO, E., LITTHAUER, D., VAN HEERDEN, E., OMAR, G.

Nuclear-powered deep subsurface microbial communities? AAAS Annual Mtg. Extremophiles – endless possibilities. Research Exchange for Undergraduates on Deep Subsurface Microbial Investigations. Bloemfontein, June – August 2003.



VILJOEN, B.C., FERREIRA, A.D.

The interaction between yeasts applied as adjunct starter cultures and lactic acid bacteria in the making of Cheddar cheese. 23<sup>rd</sup> ISSY, Interactions between Yeasts and other Organisms, Budapest, Hungary, 26-29 August 2003.

VILJOEN, B.C.

An inter-laboratory evaluation of selective media for the detection and enumeration of yeasts from blue-veined cheese. ICFM WORKSHOP, SAMSØ, DENMARK, October 2003.

VILJOEN, B.C., KNOX, A., BEUCHAT, L.R., DEAK, T., MALFEITO-FERREIRA, HANSEN, M., HUGO, A., JAKOBSEN, M., LOUREIRO, V., LOURENS-HATTING, A., VASDINNYEI, R.

An inter-laboratory evaluation of selective media for the detection and enumeration of yeasts from blue-veined cheese. ICFM WORKSHOP, SAMSØ, DENMARK, October 2003.

#### Research articles in accredited research journals

#### Navorsingsartikels in geakkrediteerde navorsingstydskrifte

BRAGG, R.R., PLUMBSTEAD, P.

Continuous disinfection as a means to control infectious diseases in poultry. Evaluation of a continuous disinfection programme for broilers. Onderstepoort Journal of Veterinary Research, 2003;70:219-229.

FERREIRA, A.D., VILJOEN, B.C.

Yeasts as adjunct starters in matured Cheddar cheese. International Journal of Food Microbiology -3947 2003;86(1):131-140.

KOCK, J.L.F., STRAUSS, C.J., POHL, C.H., NIGAM, S.

Invited review: the distribution of 3-hydroxy oxylipins in fungi. Prostaglandins & other Lipid Mediators 2003;71:85-96.

KRITZINGER, S.M., KILIAN, S.G., POTGIETER, M.A., DU PREEZ, J.C.

The effect of production parameters on the synthesis of the prebiotic trisaccharide, neokestose, by *Xanthophyllomyces dendrorhous* (*Phaffia rhodozyma*). Enzyme and Microbial Technology 2003;32:728-737.

LORETAN, T., MOSTERT, J.F., VILJOEN, B.C.

Microbial flora associated with South African household kefir. South African Journal of Science 2003;99:92-94.

SEYOUM, T., OSTHOFF, G., PRETORIUS, J.C., HUGO, C.

Comparison of Anolyte and chlorinated water as disinfecting dipping treatment for stored carrots. Journal of Food Quality 2003; 26, 463-474.

SMITH, D.P., KOCK, J.L.F., VAN WYK, P.W.J., POHL, C.H., VAN HEERDEN, E., BOTES, P.J., NIGAM, S.

Oxylipins and ascospore morphology in the ascomycetous yeast genus *dipodascus*. Antonie. Van Leeuwenhoek 2003;83:317-325.

STRAUSS, C.J., KOCK, J.L.F., VAN WYK, P.W.J., VILJOEN, B.C., BOTES, P.J., HULSE, G., NIGAM, S.

Inverse flocculation patterns in *saccharomyces cerevisiae* uofs y-2330. Journal of the Institute of Brewing 2003;109(1):3-7.

VILJOEN, B.C., LOURENS-HATTINGH, A., IKALAFENG, B., PETER, G.

Temperature abuse initiating yeast growth in yoghurt. Food Research International 2003;36(2):193-197.

VILJOEN, B.C., KHOURY, R., LOURENS-HATTINGH, A.

Seasonal diversity of yeasts associated with white-surface mould-ripened cheeses. Food Research International 2003;36(3):275-283.

WOLFAARDT, F., RABIE, C.

Evaluation of the Microclimate in a Stored Softwood Chip Pile for Biopulping. Holzforchung, 2003;57:295-300.

YEATES, C.A., VAN DYK, M.S., BOTES, A.L., BREYTENBACH, J.C., KRIEG, H.M.

Biohydrolysis of nitro substituted styrene oxides by non-conventional yeasts. Biotechnology Letters, 2003;25:675-680.

### Research articles published in other journals

#### Navorsingsartikels in ander tydskrifte

BISSOON, S., SINGH, S., CHRISTOV, L.

Synergistic interactions of purified xylanases on bagasse pulp hemicellulose. *Tappsa Journal*, May 2003.

CHRISTOV, L., VAN DRIESSEL, B

Waste water bioremediation in the pulp and paper industry. *Indian Journal of Biotechnology*, 2003;2:444-450.

HUGO, C.J., SEGERS, P., HOSTE, B., VANCANNEYT, M., KERSTERS, K.

*Chryseobacterium joostei* sp. nov., isolated from the dairy environment. *International Journal of Systematic and Evolutionary Microbiology* 2003;53(3):771-777.

VENTER, A., KOCK, J.L.F., POHL, C.H.

Abused cooking oil: a ticking time bomb? *Health & Hygiene*, 2003;22-23.

### Published research reports

#### Gepubliseerde navorsingsverslae

CHRISTOV, L.P.

Further development of a biotechnological approach to the management of waste waters from the pulp and paper industry, WRC, Pretoria, WRC Report No 1082/1/03, ISBN No 1-86845-959-4. February 2003.

### Unpublished research reports

#### Ongepubliseerde navorsingsverslae

VAN HEERDEN, E., JACOBY, A.

*Technical Reports:*

Determinations of Guazatine residues – Dec-O-Cure. 2003.

VAN HEERDEN, E., JACOBY, A.

Determinations of Quaternary Ammonium Compound residues – Des-O-Cure The Citrus Trial. 2003.

VAN HEERDEN, E., JACOBY, A.

ICA Laboratories massive QAC trial. 2003.

### Editorships/co-editorships

#### Redakteurs/mederedakteurs

DU PREEZ, J.C.

Member of the Editorial Board: *FEMS Yeast Research*.

DU PREEZ, J.C.

Member of the Editorial Board: *World Journal of Microbiology and Biotechnology*.

HUGO, A.

Sub-editor: *South African Journal of Animal Science*.

VAN TONDER, A.

Member of the Editorial Board: *Journal of Visual Literacy*

### Highlights from research findings

#### Glanspunte in navorsingsbevindinge

A novel type of the Psittacine Beak and Feather Disease virus was identified in the KwaZulu-Natal region in a small group of parrots. It is essential that this virus be compared to the normal virus which occurs throughout the country so that the correct stain is used in any further vaccine studies.

Kontakbesonderhede/Contact details:  
Naam/Name: Prof R.R. Bragg  
E-pos/E-mail: Braggrr.sci@mail.uovs.ac.za  
Telefoonnommer/Telephone number: 401 2676

The results published in 2003 were the first to successfully apply selected yeasts as adjunct starters in the making of Cheddar cheese to obtain enhanced ripening and flavour development.

Kontakbesonderhede/Contact details:  
Naam/Name: Bennie C Viljoen  
E-pos/E-mail: Viljoenbc.sci@mail.uovs.ac.za  
Telefoonnommer/Telephone number: 401 2621

### **Research awards and achievements/Acknowledgement of outstanding research contributions Navorsingstoekennings en prestasie/Erkenning van uitstaande bydraes**

ALBERTYN, J.  
Mikrobiese, Biochemiese & Voedselbiotegnologie/Microbial, Biochemical & Food Biotechnology  
UNESCO-ASM travel award.

VAN HEERDEN, E.  
Mikrobiese, Biochemiese & Voedselbiotegnologie/Microbial, Biochemical & Food Biotechnology  
American Association for the Advancement of Science Women in International Scientific Cooperation (WISC) travel award.

VAN HEERDEN, E.  
Mikrobiese, Biochemiese & Voedselbiotegnologie/Microbial, Biochemical & Food Biotechnology  
Faculty of Agricultural and Natural Science – Education Award – University of the Free State (2003).

### **Awards/Prizes at National Conferences Toekennings/Pryse ontvang by Nasionale Konferensies**

HUGO, A.  
Mikrobiese, Biochemiese & Voedselbiotegnologie/Microbial, Biochemical & Food Biotechnology  
Best paper presented at the 11<sup>th</sup> International Meat Symposium held on 29 - 30 January 2003 at the Idle Winds Conference Centre, Centurion, South Africa and organized by the Agricultural Research Council - Animal Nutrition and Animal Products Institute, Irene, South Africa. The title of the paper was: Fat quality of pork and its significance in meat technology.

### **International collaboration Internasionale samewerking**

USA  
T.C. Onstott, Geosciences, Princeton University

USA  
S. Pffnner and K. Davis, University of Tennessee

USA  
T. Phelps, Oak Ridge National Laboratory

USA  
M. DeFlaun, Geosyntec, New Jersey

USA  
T. Kieft, New Mexico Tech

USA  
J. Lippman, Inorganic and Isotope Geochemistry, GeoForschungsZentrum Postdam, Germany

USA  
American Chemical Society (ACS)

GERMANY  
Free University of Berlin  
Eicosanoid Research Division

BELGIUM  
University of Ghent  
Dept. Microbiology

FRANCE  
Centre de Recherches INRA  
Unité de Virologie et Immunologie Moléculaires

AUSTRALIA  
Department of Primary Industries  
Microbiology

HUNGARY (SA/Hungarian bilateral agreement)  
University of Horticulture and Food Science  
Department of Microbiology

NORWAY (SA/Norway agreement)  
Agricultural University of Norway  
Food Science

AUSTRALIA  
University of New South Wales  
Department Food Science

**Local collaboration  
Plaaslike samewerking**

ARC

BHP Billiton

CSIR Bio/Chemtek

University of the North, School of Life Sciences

Harmony, Anglo Gold and Goldfields mines

Sappi

Specialized Protein Products, Potchefstroom

Summer Grain Centre, Agricultural Research Council

Technical Association of the Pulp and Paper Industry (Tappi)

Technical Association of the Pulp and Paper Industry of Southern Africa (Tappsa)

**Membership of Professional and Scientific Associations  
Lidmaatskap van Professionele en Wetenskaplike Verenigings**

ALBERTYN, J.  
Vice-chairman and secretary: South African Society for Microbiology.  
Member: American Society for Microbiology.

BRAGG, R.R.

Publication secretary: South African Society for Microbiology.

Committee Member : Veterinary Biotechnology Roadmapping Committee.

DU PREEZ, J.C.

President: South African Society for Microbiology.

Commissioner: International Commission for Yeasts.

Member: American Society for Microbiology.

Member: European Federation of Biotechnology.

Member: Society for Industrial Microbiology.

HUGO, A.

Professional member of the South African Association of Food Science.

Associate member of the South African Association of Meat Processors.

Member of the South African Association of Animal Science.

HUGO, C.J.

International Committee on Systematics of Prokaryotes: Subcommittee on the taxonomy of *Flavobacterium* and *Cytophaga*-like bacteria.

Member: South African Society of Dairy Science and Technology.

Member: South African Society of Food Science and Technology.

Member: South African Society for Microbiology (SASM).

KILIAN, S.G.

Member of Council: South African Society for Microbiology (SASM).

Member: The European Fructan Society.

KOCK, J.L.F.

Council Member: South African Society for Microbiology.

MYBURGH, J.

SA Society of Dairy Technology

South African Society for Microbiology

OSTHOFF, G.

SA Society of Biochemistry and Molecular Biology.

SA Society of Dairy Technology.

SA Association of Food Science and Technology.

VAN HEERDEN, E.

South African Society of Biochemistry and Molecular Biology (1992-present).

VILJOEN, B.C.

Committee Member: International Commission of Food Mycology.

Committee Member: International Dairy Federation.

Member: South African Society on Dairy Technology (SASDT).

### **Doctor's degree completed**

### **Doktorsgraad afgehandel**

DE WIT, Maryna

A COMPARATIVE STUDY OF LYPOLYSIS AND PROTEOLYSIS IN CHEDDAR CHEESE AND YEAST-INOCULATED CHEDDAR CHEESES DURING RIPENING. PROMOTER: Prof. G. Osthoff **CO-PROMOTER**: Prof. B.C. Viljoen

KOTZÉ, Annie Dorethea

THE SURVIVAL OF YEASTS AND PROBIOTICS AS ADJUNCT STARTERS IN CHEESE. PROMOTER: Prof. B.C. Viljoen

VAN DRIESSEL, Brian  
BIOREMEDIATION OF A BLEACH PLANT EFFLUENT FROM THE PULP AND PAPER INDUSTRY.  
PROMOTER: Prof. L.P. Christopher

**Master's degree completed**  
**Magistergraad afgehandel**

BANDA, Thabo  
EVALUATION OF THE OPTICAL DENSITY READING FOR THE DETERMINATION OF SHELF LIFE OF WHOLE CHICKEN CARCASSES BY THE ENUMERATION OF THE MICROBIAL CONTAMINATION LEVELS. Supervisor: Prof. R.R. Bragg Co-Supervisor: Prof. B.C. Viljoen

COETZEE, Berdine  
PRODUCTION OF LACCASE BY COPRINUS SPECIES IN THE SUBSECTION MICACEI. Cum laude  
Supervisor: Dr. F. Wolfaardt Co-Supervisor: Prof. J.C. Du Preez

DE JAGER, Paul Human  
YEAST DIVERSITY IN BLUE-MOULD RIPENED CHEESES. Supervisor: Prof. B.C. Viljoen

JANSEN VAN VUUREN, Hendrikus  
APPLICATION OF AMYLASES FOR THE IMPROVEMENT OF WATER DRAINAGE FROM RECYCLED PULP FIBRE. Supervisor: Dr. J.F. Wolfaardt

KALORIZAS, Maria  
THE VALUE OF LIPID PROFILING AND RFLP ANALYSIS IN THE TAXONOMY OF THE GENUS KLUYVEROMYCES. Cum laude Supervisor: Prof. J.L.F. Kock Co-Supervisor: Dr. J. Albertyn

LABUSCHAGNE, Michel  
CLONING OF YEAST EPOXIDE HYDROLASE GENES AND EXPRESSION IN YARROWIA LIPOLYTICA. Cum laude. Supervisor: Dr. J. Albertyn Co-Supervisor: Dr. A.L. Botes

LENKA, Mosele Mathapelo  
AN EVALUATION OF THE EFFECT OF DETERGENT, WASH TEMPERATURE AND DRYING ON THE COLOURFASTNESS OF INDIGO AND AZODYED COTTON FABRICS. Supervisor: Prof. H.J.H. Steyn

MOKGORO, Masego Marjorie  
DICARBOXYLIC ACID PRODUCTION BY YARROWIA LIPOLYTICA STRAINS. Supervisor: Prof. M.S. Smit Co-Supervisors: Prof. J.C. du Preez Dr. E. Setati

PHILLIPS, Charles Colin Lloyd  
CO-PRODUCTION OF LYSINE AND VALINE BY CORYNEBACTERIUM GLUTAMICUM IN BATCH AND FED-BATCH CULTURES. Supervisor: Dr. G. Gardiner Co-Supervisor: Prof. J.C. du Preez

ROODT, Eileen  
BACKFAT QUALITY OF SOUTH AFRICAN PIGS: A MEAT PROCESSING PERSPECTIVE. Cum laude.  
Supervisor: Dr. A. Hugo

VAN ZYL, Anna Elizabeth  
CHARACTERIZATION OF A PLASMID CONFERRING NAD INDEPENDENCE IN HAEMOPHILUS PARAGALLINARUM. Supervisor: Dr. J. Albertyn Co-Supervisors: Dr. R.R. Bragg Dr. E. van Heerden

VASSEN, Peter Reginald  
THE PH AND FREEZING POINT VALUES OF MILK IN THE WESTERN AND SOUTHERN CAPE AND FACTORS AFFECTING THESE VALUES. Supervisor: Dr. W. Robertson Co-Supervisor: Dr. J. Myburgh

VENTER, Tania  
THE PRODUCTION OF CITRIC ACID BY YARROWIA LIPOLYTICA WHEN CULTIVATED ON EDIBLE AND WASTE FATS. Cum laude Supervisor: Prof. J.L.F. Kock Co-Supervisor: Dr. A. Hugo

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**Conference proceedings  
Konferensiehandelinge**

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HOFFMAN, M.J.H., MEINTJES, P.J., CALITZ, J.J.

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#### **Awards/Prizes of International Conferences**

#### **Toekennings/Pryse ontvang by Internasionale Konferensies**

TERBLANS, J.J.

Physics

The John Wiley & Sons Ltd Prize for the best poster award at the 10th international Conference on Applications of Surface and Interface Analysis, 5-10 October 2003, Berlin, Germany.

#### **Awards/Prizes at National Conferences**

#### **Toekennings/Pryse ontvang by Nasionale Konferensies**

CLAASSENS, C.H.

Most outstanding oral presentation in the field of Solid State Physics:

The implementation of an evaluation of a fictitious electron dynamics method and its application to the Si(100) surface. 48<sup>th</sup> Annual Conference of the South African Institute of Physics, Stellenbosch, SA, 2003. Supervisor: Hoffman, M.J.H.

#### **Master's degree completed**

#### **Magistergraad afgehandel**

CHEN, Sheng-Hui

ACOMPARATIVESTUDYBETWEENTHESIMULATEDANDMEASUREDCATHODOLUMINESCENCE GENERATED IN  $ZnS$  PHOSPHOR POWDER. Cum laude Supervisor: Dr. A.P. Greef Co-Supervisor: Prof. H.C. Swart



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PRETORIUS, Z.A.

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SWART, W.J., SWART, V.R.  
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SWART, W.J. SWART, V.R.  
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VAN RENSBURG, J.B.J., ROSSOUW, J.D., VAN DEVENTER, C.S.  
New generation maize inbred lines resistant to diploid ear rot, caused by *Stenocarpella maydis* (Berk) Sutton. *South African Journal for Plant and Soil* 2003:20(3):127-131.

VENTER, A.M., VENTER, H.J.T.  
*Lycium garipeense* (Solanaceae), a new species from South Africa and Namibia. *South African Journal of Botany* 2003;69(2):161-164.

VENTER, A.M., VENTER, H.J.T.  
*Lycium strandveldense* (Solanaceae), a new species from the western coast of South Africa. *South African Journal of Botany* 2003:69(4):476-479.

VENTER, H.J.T.  
Raphionacme (Apocynaceae: Periplocoideae): nomenclatorial notes for Southern African species. *South African Journal of Botany* 2003;69:212-213.

VERHOEVEN, R.L., LIEDE, S., ENDRESS, M.E.  
The tribal position of *Fockea* and *Cibirhiza* (Apocynaceae: Asclepiadoideae): evidence from pollinium structure and cpDNA sequence data. *Grana* 2003;42:70-81.

#### **Research articles published in other journals** **Navorsingsartikels in ander tydskrifte**

MUCINA, I., CAMPETELLA, G., CANULLO, R.  
Un database per la biodiversita della flora nella Riserva naturale "Montagna di Torricchio". *La Riserva Naturale di Torricchio* 2003:11(4):371-386.

#### **Unpublished research reports** **Ongepubliseerde navorsingsverslae**

PRETORIUS, Z.A., VAN DER WESTHUIZEN, A.J.  
Biochemical mechanisms of rust resistance in sun flower. *Oil Seeds Trust* 2003.

SWART, W.J.  
Biomonitoring of pistachio orchards for fungi. (phase 2). *Green Valley Nuts (Industrial Development Corporation) Prieska* 2003.

SWART, W.J.  
Holism and opportunism in plant health management. Inaugural Lecture, University of the Free State, 15 October, 2003.

SWART, W.J.  
Kenaf production in South Africa (phase 3). *Sustainable Projects Development Group Limited, United Kingdom*, 2002/3.

VAN DER WESTHUIZEN, A.J.  
Biochemistry of resistance in wheat to the Russian wheat aphid. *Winter Cereal Trust*, 2003.

VERHOEVEN, R.L.

The biology of pollen, Inaugural Lecture, University of the Free State, 30 July, 2003.

VILJOEN, C.D., PRETORIUS, Z.A.

Final report: *Septoria* resistance in sunflower. Oil Seed Advisory Committee, 2003.

#### **Book and other reviews**

#### **Boek- en ander resensies**

MUCINA, L.

Book. Review. Hoffman, T. & Ashwell, A. 2001. Nature Divided: Land Degradation in South Africa. South African Journal of Botany 2003;69(1):116.

#### **Editorships/co-editorships**

#### **Redakteurs/mederedakteurs**

GROBBELAAR, J.U.

Member of the Editorial Board of Hydrobiologia

Member of the Editorial Board of Journal for Applied Phycology

Member of the Editorial Board of South African Journal of Botany

MUCINA, L.

Member of the Editorial Board of Ecologia Montana

Member of the Editorial Board of Folia Geobotanica

Member of the Editorial Board of Biologia (Bratislava)

Member of the Editorial Board of South African Journal of Botany

Member of the Editorial Board of Annali di Botanica N.S. (Roma)

PRETORIUS, Z.A.

Member of editorial committee: South African Journal of Plant and Soil

SCOTT, L.

Editorial Board: Palaeoecology of Africa

Editorial Board: Palaeontologia Africana

#### **Highlights from research findings**

#### **Glanspunte in navorsingsbevindinge**

In terms of the Scientific and Technological exchange agreement between Germany and South Africa and the project "Impact of ozone on crop production" amongst others we could show in Helianthus, Ricinus and two Tobacco varieties that ozone can cause major damage to the plants. Ozone also acts as a local stressor and definite systemic acquired resistance (SAR) takes place/In terme van die Wetenskaplike en Tegnologiese uitruilooreenkoms tussen Duitsland en Suid-Afrika en die projek "Invloed van osoon op gewasproduksie" is o.a. gevind dat osoon duidelik Helianthus, Ricinus en tabak beskadig. Osoon tree verder as lokale stressor op en die plante bou duidelike sistemiese weerstand (SAR) op.

Prof. J.U. Grobbelaar

Telefoon: 051 401 2263

E-pos: grobbeju@sci.uovs.ac.za

Filogenetiese verwantskappe in Suid Afrikaanse lede van die grassubfamilie Chloridoideae is op molekulêre gebied ondersoek en 'n groot aantal chromosoomgetalle is bepaal wat gelei het tot 'n opsommende publikasie oor chromosoomgetalle vir die subfamilie in Suid-Afrika en wêreldwyd/Phylogenetic relationships in South African members of the grass subfamily Chloridoideae were investigated at molecular level and a large amount of chromosome numbers were determined which lead to a summary publication on chromosome numbers for the subfamily in South Africa and worldwide.

Naam/Name: Roodt, R.

E-pos/E-mail: roodtr.sci@mail.uovs.ac.za

Telefoonnommer/Telephone number: 051 401 3978

A commercial GMO testing facility was established in the Department of Plant Science at the University of the Free State to test food and food products for GMO content to satisfy local demand for non-GMO foods. The facility complies with international regulations on GMO labeling, as enforced in Europe and Asia. Furthermore, the GMO Testing Facility at the UFS has become part of the world-wide GeneScan network of GMO testing laboratories/ 'n Kommersiële GMO-toetfasiliteit is in die departement Plantwetenskappe by die Universiteit van die Vrystaat gevestig. Die fasiliteit toets voedselprodukte vir GMO-inhoud om lokale markte te bevredig vir nie-GM-voedsel. Dit voldoen ook aan internasionale regulasies vir voedsel etikettering ten opsigte van GM-inhoud soos voorgeskryf in Europe en Asia. Die GMO-toetsfasiliteit het ook deel geword van die wêreldwye GeneScan-netwerk van GMO-toetsingslaboratoriums.

Naam/Name: Viljoen, C.D.

E-pos/E-mail: viljoecd.sci@mail.uovs.ac.za

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Die datering van 'n stuifmeelrekord van omgewingsveranderinge in die bosveld van die Noordelike Provinsie gedurende die laaste 20 000 jaar is verfyn deur middel van nuwe gekalibreerde radiokoolstof-ouderdomsbepalings. Die nuwe chronologiese raamwerk maak dit moontlik om die bosveldse stuifmeelrekord meer presies met wêreldwye rekords van globale omgewingsveranderinge te korreleer en verleen sodoende 'n beter begrip van Suid-Afrika se rol in langtermynprosesse van die aardsisteem/Dating of a pollen record in the bushveld of the Northern Province during the last 20 000 years has been optimized by means of new calibrated radiocarbon age determinations. The new chronology allows a better correlation with distant records of global change facilitating a better understanding of South Africa's role in long-term processes of the earth system.

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Telefoonnommer/ Telephone number: 051 401 514

#### **Research awards and achievements/Acknowledgement of outstanding research contributions Navorsingstoekennings en prestasies/Erkenning van uitstaande bydraes**

Potgieter, G.P.

Plantwetenskappe/Plant Sciences

Ontvang in Januarie 2003 in Pretoria die **Bronsmedalje** van die Suid-Afrikaanse Genootskap van Plantkundiges vir die beste Ph.D-proefskrif in Plantkunde gelewer in Suid-Afrika vir die jaar 2001 / Receive in January 2003 in Pretoria, the **Bronze medal** from the South African Association of Botanists for the best Ph.D. thesis in Botany in South Africa for the year 2001.

#### **Prestigious fellowships and grants**

##### **Prestigenavorsingsgenootskappe en -toekennings**

EXCHANGE PROGRAMME BETWEEN GERMANY MINISTERIUM FOR SCIENCE AND TECHNOLOGY AND SOUTH AFRICA (DACT)

Grobbelaar, J.U.

Plantwetenskappe

Award for "Ozone stress of crop plants". German counterpart, Dr. F.H. Mohn, ICG-III, Forschungszentrum Jülich, Germany

INTERNATIONAL FOUNDATION FOR SCIENCE (IFS)

Labuschagne, M.T.

Plantwetenskappe

Toekenning vir die tydperk September 2002 tot September 2003 by die IFS, Swede.

INTERNATIONAL FOUNDATION FOR SCIENCE (IFS)

Visser, B.

Plantwetenskappe Toekenning vir die tydperk Sept. 2003 tot Sept. 2004 by die IFS, Swede

STERKFONTEIN RESEARCH UNIT, WITS UNIVERSITY (DIRECTOR: P.V. TOBIAS).

Scott, L.

Plant Sciences Honourary Research Associate

**International collaboration**  
**Internasionale samewerking**

**AUSTRALIA**

The University of Sydney

**AUSTRIA**

University of Vienna, Inst. of Botany & Botanical Garden  
Oberostereichisches Landesmuseum, Linz, Collections in Botany

**COLOMBIA**

International Center for Tropical Agriculture, Calli  
Program for cassava improvement

**CZECH REPUBLIC**

Academy of Sciences of the Czech Republic, Inst. of Botany  
Masaryk University, Brno, Dept. of Plant Systematics & Geobotany Ecology

**FRANCE**

MEDIAS-France

**GERMANY**

University Bayreuth, Systematic Botany  
University of Mainz, Special Botany & Botanical Garden  
University of Kassel, Plant Morphology & Systematics  
Ludwig-Maximilian University of Munchen, Systematic Botany  
Martin-Luther-University Halle-Wittenberg, Geobotany & Botanical Garden  
Münster University (WWU), Plant Biochemistry and Biotechnology  
GeneScan, Freiburg

**GREECE**

University of Athens, Dept. of Botany  
University of Ioannina, Agrinio, Dept. of Environmental & Natural Resources Management

**HUNGARY**

Hungarian Academy of Sciences, Vacratot, Inst. of Ecology & Botany  
Lorand Eotvos University, Budapest, Dept. of Plant Taxonomy & Ecology

**ISRAEL**

The Hebrew University of Jerusalem, Dept. of Evolution, Systematics & Ecology

**ITALY**

University of Perugia, Dept. of Plant Biology & Agrarian Biotechnology  
University of Camerino, Dept. of Botany & Ecology  
University of Roma I (La Sapienza), Dept. of Plant Biology  
University of Trieste, Dept. of Biology  
Technological University of Marche, Ancona, Dept. of Environmental Sciences

**JAPAN**

National University of Technology, Yokohama, Inst. of Environmental, Science & Technology

**KOREA**

University of Taegu, Dept. of Biology

**KUWAIT**

Kuwait University, Dept. of Biology

**NAMIBIA**

National Museum of Namibia, Entomology

## SLOVAK REPUBLIC

Slovak Academy of Sciences, Inst. of Botany

## SLOVENIA

Slovenia Academy of Sciences, Inst. of Biology J. Hadzija

## SPAIN

Jardín de Aclimatacion de Orotava, Puerto de la Cruz

University of the Basque Country, Bilbao, Dept. of Plant Biology & Ecology

University of Murcia, Murcia, Botany

Museum of Natural Science, Madrid, Palaeontology

## SWEDEN

University of Agricultural Sciences, Crop Science

Alnarp, Plant Breeding

University of Stockholm, Geography

Uppsala University, Evolutionary Biology Center

Lund University, Ecology

University of Uppsala, Herbarium

Swedish National Herbarium, Stockholm

## THE NETHERLANDS

Alterra Green World Institute, Wageningen, Vegetation Science

University of Nijmegen, Ecology

University of Groningen, Ecology

## UNITED KINGDOM

Royal Botanical Gardens, Kew Herbarium and Library

Royal Botanic Gardens, Edinburgh

Lancaster University, Vegetation Science

## USA

University of Madison-Wisconsin, Plant Pathology

University of California, Plant Pathology

University of Georgia, Geography

University of Nebraska-Lincoln, INTSORMIL

University of North Carolina, Dept. of Biology

New York Botanical Gardens

## Local collaboration

### Plaaslike samewerking

Agricultural Research Council Roodeplaat

Institute for Forage & Range Management, Grahamstown

Institute for Soil, Climate & Water, Pretoria

Plant Protection Research Institute (PPRI)

Small Grain Institute, Bethlehem

Grain Crops Institute, Potchefstroom

Council for Scientific and Industrial Research

Quaternar Dating Research Unit

Ezemwelo KwaZulu-Natal Wildlife, Pietermaritzburg

Monsanto, Bethlehem and Petit

National Botanical Institute

Kirstenbosch & Pretoria

Northern Cape Nature Conservation Service, Kimberley



MOHASE, L.  
Member: South African Association of Botanists

MUCINA, L.  
Vice-President: International Association for Vegetation Science  
Member: Slovak Botanical Society  
Member: Zoologisch-Botanische Gesellschaft in Österreich  
Member: British Ecological Society  
Member: Swedish Phytogeographical Society  
Member: OPTIMA (Switzerland)  
Member: Czech Botanical Society  
Member: South African Association of Botanists  
Member: Botanical Society of South Africa

POTGIETER, G.P.  
Member: South African Association of Botanists

PRETORIUS, Z.A.  
President: Southern African Society for Plant Pathology  
Member: Southern African Plant Breeders' Association  
Member: American Phytopathological Society  
Member: Australasian Plant Pathology Society

ROODT, R.  
Member: Southern African Society for Systematic Biology (SASSB)  
Member: South African Genetics Society (SAGS)

SCOTT, L.  
Council Member: South African Society for Quaternary Research  
Member: Trans !Garib Branch of the South African Archaeological Society  
Member: South African Association of Botanists  
Member: Association pour l'étude Taxonomique de la Flore D'Afrique Tropicale

SPIES, J.J.  
Vice-President: South African Genetics Society  
Member: American Society of Plant Taxonomists  
Member: Association pour l'étude Taxonomique de la Flore D'Afrique Tropicale  
Member: Botanical Society of America  
Member: International Association for Plant Taxonomy  
Member: International Bulb Society  
Member: Southern African Society for Systematic Biology  
Member: South African Association of Botanists

SWART, W.J.  
Member: American Phytopathological Society  
Vice-President: Southern African Society for Plant Pathology  
Liaison Officer: Southern African New Crop Research Association  
Sub-Saharan representative: FAO International Network for Technical Cooperation on cactus pear

VAN DER WESTHUIZEN, A.J.  
Member: South African Association of Botanists  
Member: Scandinavian Society for Plant Physiology  
Member: Federation of European Societies of Plant Physiology  
Member: International Association for Plant Tissue Culture

VAN DEVENTER C.S.  
Member: Southern African Plant Breeders Association



HOLDER, Francisca

A PHYLOGENETIC STUDY OF THE SOUTH AFRICAN REPRESENTATIVES OF THE TRIBE ANDROPOGONEAE (POACEAE). PROMOTER: Prof. J.J. Spies

JACOBY, Angeline

GENETIC VARIABILITY IN THE SOLANUM NIGRUM L. COMPLEX AND RELATED SPECIES IN SOUTH AFRICA. PROMOTOR: Prof. M.T. Labuschagne

KEBEDE FEKYBELU, Solomon

ANALYSIS OF DROUGHT TOLERANCE IN DURUM WHEAT (TRITICUM TURGIDUM VAR. DURUM L) GENOTYPES. PROMOTER: Prof M.T. Labuschagne CO-PROMOTER: Dr. C.D. Viljoen

KENA, Mapotso Anna

ORGANICALLY BASED STRATEGIES USED BY SMALL-SCALE FARMERS IN LESOTHO FOR THE SUSTAINABLE MANAGEMENT OF SOIL-BORNE DISEASES. PROMOTER: Prof. W.J. Swart CO-PROMOTER: Dr. S. Ralitsoele

KOEKEMOER, Francois Petrus

GENETIC VARIABILITY OF SOUTH AFRICAN SPRING WHEATS FOR MILLING AND BREADMAKING QUALITY. PROMOTER: Prof. C.S. van Deventer

LIEBENBERG, Merion Margaret

BREEDING FOR RESISTANCE TO RUST OF DRY BEAN (PHASEOLUS VULGARIS) IN SOUTH AFRICA. PROMOTER: Prof. Z.A. Pretorius CO-PROMOTER: Dr. C.D. Viljoen

MOHASE, Lintle

BIOCHEMICAL EVENTS ASSOCIATED WITH RUST RESISTANCE IN SUNFLOWER. PROMOTER: Prof. A.J. van der Westhuizen CO-PROMOTER: Prof. Z.A. Pretorius

ROODT, Rouvay

PALEOPOLYPLIIDY AND MOLECULAR SYSTEMATICS OF SOUTHERN AFRICAN CHLORIDOIDEAE. PROMOTER: Prof. J.J. Spies

VENTER, Charl Albertse

GENOTYPIC RESPONSE AND HERITABILITY OF *FUSARIUM OXYSPORUM* RESISTANCE IN TOMATO. PROMOTER: Prof. C.S. van Deventer CO-PROMOTER: Prof. W.J. Swart

WOLDEGIORGIS, Tadesse Dessalegn

GENETIC VARIABILITY AND COMBINING ABILITY FOR QUALITY PARAMETERS IN ETHIOPIAN WHEAT CULTIVARS. PROMOTER: Prof. C.S. van Deventer CO-PROMOTER: Prof. M.T. Labuschagne

### **Master's degree completed**

### **Magistergraad afgehandel**

ABERA MENGESHA, Wende

ESTIMATION OF GENOTYPE X ENVIRONMENT INTERACTION FOR YIELD IN ETHIOPIAN MAIZE (*ZEA MAYS* L). Supervisor: Dr. H. Maartens Co-Supervisor: Prof. J.B.J. van Rensburg

APPELGRYN, Johannes Jacobus

THE IDENTIFICATION OF GENES INVOLVED IN THE INTERACTION BETWEEN *TRITICUM AESTIVUM* AND *PUCCINIA TRITICINA*. Supervisor: Mr B. Visser Co-Supervisor: Dr. C.D. Viljoen

AUCAMP, Johanna Catharina

ASSESSMENT OF SOUTH AFRICAN BREAD WHEAT CULTIVARS FOR MILLING QUALITY  
Supervisor: Prof. C.S. van Deventer Co-Supervisor: Prof. M.T. Labuschagne

BARNARD, Ronelle

HOST-PATHOGEN STUDIES OF WHEAT LEAF RUST RESISTANCE IN *TRITICUM TURGIDUM*.  
Supervisor: Prof. Z.A. Pretorius Co-Supervisor: Dr. C.D. Viljoen

BOOYSEN, Emma  
CLADOGRAM RESOLUTION WITH DIFFERENT CHLOROPLAST DNA SEQUENCES IN THE GENUS  
CRINUM. Supervisor: Prof. J.J. Spies Co-Supervisor: Ms A. Strydom

LATEGAN, Sonika  
THE ROLE OF A RECEPTOR-LIKE PROTEIN KINASE (At-RLK3) IN THE PERCEPTION OF  
CHEMICAL ACTIVATORS IN ARABIDOPSIS THALIANA. Supervisor: Mr B. Visser Co-Supervisor: Prof.  
A.J. van der Westhuizen

MINNAAR, Adré  
GENOMIC RELATIONSHIPS IN THE LACHENALIA ORCHIOIDES GROUP. Supervisor: Prof. J.J. Spies  
Co-Supervisor: Mrs R. Kleynhans

VAN HUYSSSTEEN, Susanna Maria  
IMPACT OF OZONE ON THE PHOTOSYNTHETIC AND METABOLIC PROPERTIES OF ZEA MAYS.  
Supervisor: Prof. J.U. Grobbelaar Co-Supervisor: Prof. A.J. van der Westhuizen

WILDING, Willem Jacobus Marthinus  
ASPECTS OF B-1,3-GLUCANASE EXPRESSION IN WHEAT ASSOCIATED WITH RUSSIAN WHEAT  
APHID RESISTANCE. Supervisor: Prof. A.J. van der Westhuizen Co-Supervisor: Mr B. Visser

SCHOEMAN, Lourens Jurgens  
GENOTYPE X ENVIRONMENT ANALYSIS IN SUNFLOWER (HELIANTHUS ANNUUS L) IN SOUTH  
AFRICA. Supervisor: Prof. M.T. Labuschagne

**DEPARTMENT OF QUANTITY SURVEYING AND CONSTRUCTION MANAGEMENT**  
**DEPARTEMENT BOUREKENKUNDE EN KONSTRUKSIEBESTUUR**

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Marx, H.J. Dr.

Verster, J.J.P. Prof.

**Conference presentations**  
**Konferensievoordragte**

HAUPTFLEISCH, A.C., MARX H.J.

Categorisation of Post-graduate research undertaken at Universities with Built Environment Academic  
Departments in three research levels: Treatises, Dissertations and Theses. CIDB 1st Post Graduate Conference,  
Port Elizabeth, South Africa 12 -14 October 2003

VERSTER, J.J.P.

Property development and Cost Management: In search of a comprehensive model. International Cost  
Engineering Council Region III (Africa) and Ghana. Institute of Surveyors annual seminar Accra, 7-10 July  
2003.

**Research articles published in other journals**  
**Navorsingsartikels in ander tydskrifte**

VERSTER, J.J.P., HAUPTFLEISCH. A.C.

Distance Learning Programmes in Quantity Surveying, Construction and Project Management, Land and Property  
Development. SA Property Review, September/October 2003.

VERSTER, J.J.P., HAUPTFLEISCH, A.C.

The University of the Free State offers unique education opportunities in built environment management. SA Builder, October 2003;955.

**Editorships/co-editorships**  
**Redakteurs/mederedakteurs**

MARAIS, J.

Assistant Editor: Acta Structilia

MARX, H.J.

Assistant Editor: Acta Structilia

VERSTER, J.J.P.

Editor: Acta Structilia

**International collaboration**  
**Internasionale samewerking**

BRITTANJE

RICS

Quantity Surveying

Research project on Measurement Based Procurement of Buildings

**Local collaboration**  
**Plaaslike samewerking**

SA

UP

Quantity Surveying

Research project on Measurement Based Procurement of Buildings

SA

UPE

Quantity Surveying

Research project on Measurement Based Procurement of Buildings

**Membership of Professional and Scientific Associations**  
**Lidmaatskap van Professionele en Wetenskaplike Verenigings**

BERRY, F.H.

SA Council for the Quantity Surveying Profession (SA)

Member: Association SAQS

Member: CIOB (SA)

KOTZÉ, B.G.

Member: SAIM

MARX, H.J.

Professional Engineer registered with the Engineering Council of South Africa

South African Institution of Civil Engineering

Member: South African Institution of Civil Engineering

Member: Chartered Engineer and Associated Member of The Institution of Structural Engineers, London

Member: The Concrete Society of Southern Africa

Member: South African Institute of Steel Construction

Chairman: SAICE Bloemfontein Branch 1997

Member: Regional Advisory Committee for Technicians (ECSA)

Member: Free State Technikon Advisory Committee (Faculty of Engineering)

Chairman: SAACE Free State Branch 2003



## **Chapters in books Hoofstukke in boeke**

BENNIE, A.T.P.

Soil water. G.C.H. Venter (Ed.). Fertilizer handbook. Fertilizer Society of South Africa, Pretoria, South Africa, 2003:36-41.

BENNIE, A.T.P.

Soil tillage and guidelines for cultivation. G.C.H. Venter (Ed.). Fertilizer handbook. Fertilizer Society of South Africa, Pretoria, South Africa, 2003:58-67.

DU PREEZ, C.C.

Organic matter in soil. G.C.H. Venter (Ed.). Fertilizer handbook. Fertilizer Society of South Africa, Pretoria, South Africa, 2003:27-35.

## **Conference proceedings Konferensiehandelinge**

DU PREEZ, C.C., KOTZE, E., STEYN, J.T.

Influence of wheat residue management practices on potassium distribution in a Plinthosol. Proceedings of the 12<sup>th</sup> World Fertilizer Congress: Fertilization in the third millennium – fertilizer, food security and environmental protection 3: 1571-1577. International Scientific Centre of Fertilizers, Braunschweig, Germany.

DU PREEZ, C.C., SNYMAN, H.A.

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VAN DEVENTER, P.W., LE ROUX, P.A.L.

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WALKER, S., TSUBO, M.

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**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

DU PREEZ, C.C.

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VENTER, J.C.

Estimation of water use by red grass (*Themeda triandra* Forssk.) growing in shallow soils: toward a method of on-farm drought assessment. South African Journal of Plant and Soil 2003;20:206-208.

WALKER, S., OGINDO, H.O.

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WORKNEH, T.S., OSTHOFF, G., PRETORIUS, J.C., HUGO, C.J.

Comparison of anolyte and chlorinated water as a disinfecting dipping treatment for stored carrots. Journal of Food Quality 2003;26:463-474.

**Research articles published in other journals**  
**Navorsingsartikels in ander navorsingstydskrifte**

SNYMAN, H.A., DU PREEZ, C.C.

Weiveldagteruitgang en grondkwaliteit in droër gebiede [Grassland degradation and soil quality in drier areas]. SA KoöP 2003;20:4-5.

SNYMAN, H.A., DU PREEZ, C.C.

Invloed van veldbrande op grondkwaliteit in droër grasvelddele [Influence of veld fire on soil quality in drier grassland areas]. Ons Eie August 2003:40-44.



roots. Both SWB and SWAMP can be used in future to predict the contribution of water tables to crop water uptake for a variety of crops, soils and water tables.

### **Awards/Prizes at National Conferences Toekennings/Pryse ontvang by Nasionale Konferensies**

**BENNIE, A.T.P.**

As member of the land type survey staff: Gold medal of the Soil Science Society of South Africa for their contribution to soil science in the Republic of South Africa. Presented at the golden Jubilee Congress of Soil Science Society of South Africa in combination with South African Society for Crop Production and Southern African Society for Horticulture Sciences, Stellenbosch, South Africa, 2003.

**BOTHA, J.J., ANDERSON, J.J., VAN RENSBURG, L.D., BEUKES, D.J., VAN STADEN, P.P., HENSLEY, M.**  
Soil Science Society of South Africa medal for best poster entitled "Application of in-field rainwater harvesting to stabilize crop yields in rural villages in semi-arid areas of South Africa" presented at the Golden Jubilee Congress of Soil Science Society of South Africa in combination with South African Society for Crop Production and Southern African Society for Horticulture Sciences, Stellenbosch, South Africa, 2003.

**HENSLEY, M.**

As a member of the land type survey staff: Gold medal of the Soil Science Society of South Africa for their contribution to soil science in the Republic of South Africa. Presented at the Golden Jubilee Congress of Soil Science Society of South Africa in combination with South African Society for Crop Production and Southern African Society for Horticulture Sciences, Stellenbosch, South Africa, 2003.

**VAN HUYSTEEN, C.W., HENSLEY, M., LE ROUX, P.A.L.**

Soil Science Society of South Africa silver medal for best oral paper presented at the Golden Jubilee Congress of Soil Science Society of South Africa entitled "Correlating soil hydrology with soil morphology" in combination with South African Society for Crop Production and Southern African Society for Horticultural Sciences, Stellenbosch, South Africa, 2003.

**VAN HUYSTEEN, C.W.**

As a member of the land type survey staff: Gold medal of the Soil Science Society of South Africa for their contribution to soil science in the Republic of South Africa. Presented at the Golden Jubilee Congress of Soil Science Society of South Africa in combination with South African Society for Crop Production and Southern African Society for Horticulture Sciences, Stellenbosch, South Africa, 2003.

### **Membership of Professional and Scientific Associations Lidmaatskap van Professionele en Wetenskaplike Verenigings**

**CERONIO, G.M.**

Member: South African Society of Crop Production  
Member : Southern African Weed Science Society

**DE WET, L.**

Member: South African Society of Crop Production  
Member: South African Society for Atmospheric Sciences

**DU PREEZ, C.C.**

Life member: International Union of Soil Science  
Member: Soil Science Society of South Africa

**ENGELBRECHT, G.M.**

Member: Southern African Society for Horticulture Sciences  
Member: Society for vegetables under Protection.

**LE ROUX, P.A.L.**

Member: International Union of Soil Science  
Member: Soil Science Society of South Africa

PRETORIUS, J.C.

Member: South African Association of Botanists  
Member: New York Academy of Sciences  
Member: The International Society for Plant Anaerobiosis  
Member: South African Society of Crop Production  
Member: South African New Crops Research Association

STEYN, S.

Member: South African Society for Atmospheric Sciences

VAN HUYSSTEEN, C.W.

Member: International Union of Soil Science  
Member: Soil Science Society of South Africa

WALKER, S.

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Member: Soil Science Society of South Africa

**Doctor's degree completed**

**Doktorsgraad afgehandel**

AHMED, Mohammed Assen

LAND SUITABILITY EVALUATION IN THE JELO CATCHMENT, CHERCHER HIGHLANDS, ETHIOPIA. PROMOTER: Dr. P.A.L. le Roux CO-PROMOTER: Dr. C.H. Barker

GHIZAW AMANU, Amare

RESPONSE OF ETHIOPIAN FIELD PEA (*PISUM SATIVUM* L.) CULTIVARS TO PHOSPHORUS FERTILIZATION OF NITOSOLS. PROMOTER: Prof. C.C. du Preez CO-PROMOTER: Dr. T. Bekele

OGINDO, Harun Okello

COMPARING THE PRECIPITATION USE EFFICIENCY OF MAIZE-BEAN INTERCROPPING WITH SOLE CROPPING IN A SEMI-ARID ECOTOPE. PROMOTER: Prof. S. Walker

SCHMIDT, Christiaan Jan Jacob

CHANGES IN THE PHOSPHORUS STATUS OF SOILS AND THE INFLUENCE ON MAIZE YIELD. PROMOTER: Prof. C.C. du Preez CO-PROMOTER: Dr. F.G. Adriaanse

VAN HUYSSTEEN, Cornelius Wilhelm

THE RELATIONSHIP BETWEEN THE WATER REGIME AND MORPHOLOGY OF SOILS IN THE WEATHERLY CATCHMENT, NORTHERLY EASTERN CAPE. PROMOTER: Dr. P.A.L. le Roux CO-PROMOTER: Dr. M. Hensley

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**Magistergraad afgehandel**

BAIRAI ZERE, Teclेमariam

EVALUATING THE MAIZE PRODUCTION POTENTIAL OF SELECTED ECOTOPES USING A WATER BALANCE MODEL. Supervisor: Mr C.W. van Huyssteen Co-Supervisor: Dr. M. Hensley

CRAVEN, Pieter

AN INVESTIGATION INTO THE BIOCATALYTIC AND ANTIMICROBIAL PROPERTIES OF *EUCOMIS AUTUMNALIS* (MILL.) BULBS. Cum laude Supervisor: Prof. J.C. Pretorius Co-Supervisor: Dr. G.P. Potgieter

EHLERS, Louis

CONTRIBUTION OF ROOT ACCESSIBLE WATER TABLES TOWARDS THE IRRIGATION REQUIREMENTS OF CROPS. Cum laude Supervisor: Prof. A.T.P. Bennie Co-Supervisor: Prof. C.C. du Preez

GEBREKRISTOS, Solomon Afeworki  
QUANTIFYING COMPONENTS OF THE ENERGY BALANCE OF A MAIZE AND BEAN INTER  
CROP. Supervisor: Prof. S. Walker

TESFAZGI MEBRHATU, Mehari  
RAINFALL STUDIES FOR THE HIGHLANDS OF ERITREA. Cum laude. Supervisor: Dr. J.C. Venter

VAN ZYL, Hendrik Johannes Jakobus  
GRONDVERSURING EN BEKALKING VAN OOS-VRYSTAATSE GRONDE ONDER DROË-  
LANDKORING/SOIL ACIDIFICATION AND CALCIFICATION OF EASTERN FREE STATA SOILS  
UNDER DRY-LAND WHEAT. Studieleier/Supervisor: Prof. C.C. du Preez Medestudieleier/Co-Supervisor:  
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**Chapters in books  
Hoofstukke in boeke**

FINKELSTEIN, M.S.  
Modelling the observed failure rate. Handboek of reliability engineering, Pham, H. (eds). 2003:117-140.

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On one class of Bivariate distributions. Statistics & Probability Letters 2003;65:1-6.

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NAUDE, A.M., DE WAAL, D.J.  
Bayes-analise.

GROENEWALD, P.C.N.  
Bayes breekpunt-analise.

GARISCH, I., DE WAAL, D.J., GROENEWALD, P.C.N.  
Evaluering en kombinerende van opinies.

VAN DER MERWE, A.J., GROENEWALD, P.C.N.  
Meerveranderlike Bayes-kalibrasie.

VAN DER MERWE, A.J., GROENEWALD, P.C.N., PRETORIUS, A.L.  
Bayes beraming in gemengde lineêre modelle m.b.v. Gibbs steekproefneming.

GROENEWALD, P.C.N., DE WAAL, D.J., MOKGATLHE, L.  
Multivariate Survival Analysis.

VAN ZYL, J.M.  
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PRETORIUS, A.L., VAN DER MERWE, A.J.  
Bayes-analise en Gibbs steekproefneming.

BOTHA, S.C.J., VAN DER MERWE, A.J.  
Bayes-analise in mediese eksperimente.

FINKELSTEIN, M.S.  
Hazard rate and remaining lifetime modeling.

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Risk analyses in engineering and financial application.

DE WAAL, D.J., BEIRLAND, J., TEUGELS, J.  
Internasionale navorsingsprojek in België, van die Katolieke Universiteit van Leuven op ekstreemwaarde modellering.

Die ESKOM-navorsingsprojek om die invloed van water in die Van der Kloofdam te voorspel met die oog op elektrisiteitsvoorsiening gaan voort.

Die WNK-projek in samewerking met ESKOM en die Weerbuuro Bethlehem oor die Radar-data op die invloed van water in die Caledonrivier vanaf Januarie 2001 gaan voort.

SANPAD-projek : "New Models in Survival Analysis with Application to Aids". DJ de Waal, MS Finkelstein, Joanne Tyler, Pieter van Gelder (Delft), Lucky Mokgatle (sy promotor is prof PCN Groenewald).

DE WAAL, D.J., BEIRLAND, J., TEUGELS, J.F.  
Wiley boek oor ekstreme-waardes.

**Doctor's degree completed**  
**Doktorsgraad afgehandel**

MOKGATLHE, Lucky  
A BAYESIAN ANALYSIS OF MULTIPLE INTERVAL-CENSORED FAILURE TIME EVENTS WITH APPLICATION TO AIDS DATA. PROMOTER: Prof. P.C.N. Groenewald CO-PROMOTER: Prof. D.J. de Waal

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**Conference proceedings  
Konferensiehandelinge**

CAMPBELL, M.M.  
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DE RIDDER, E.  
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**Editorships/co-editorships  
Redakteurs/mederedakteurs**

STEYN, J.J.

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WESOŁOWSKA, W., HADDAD, C.R.  
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**Doctor's degree completed**  
**Doktorsgraad afgehandel**

PRICE, Roger Edward  
ALTERNATIVE METHODS OF CONTROLLING THE BROWN LOCUST, *LOCUSTANA PARDALINA* (WALKER). PROMOTER: Dr. M.C. van der Westhuizen

REED, Cecile Catharine  
FISH MYXOSPOREANS FROM THE OKAVANGO DELTA, BOTSWANA AND THE SOUTH COAST OF SOUTH AFRICA. PROMOTER: Prof. L. Basson CO-PROMOTER: Dr. L.L.van As

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SPIDER ECOLOGY IN PISTACHIO ORCHARDS IN SOUTH AFRICA. Cum laude. Supervisor: Prof. S.V.D.M. Louw Co-Supervisor: Dr. A.S. Dippenaar-Schoeman

KITCHING, Magdalena Hendrina  
SESSILINE PERITRICH SYMBIONTS OF FRESHWATER CRUSTACEAN HOSTS. Supervisor: Dr. L.L. van As Co-Supervisor: Prof. J.G. van As



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**Research articles in accredited research journals  
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### **Boeke**

### **Books**

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STANDER, M.

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**Editorships/co-editorships**

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**Artistic works/presentations**

**Artistieke werke/aanbiedings**

WEIDEMAN, G.

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WEIDEMAN, G.

Kinderboek: Die geel komplot. Kaapstad: Tafelberg. 148 bladsye. Verskyningsdatum: Junie 2003.

**Doctor's degree completed**

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BRUWER, Aletta Susanna

HENK VAN WOERDEN SE "KAAPSE TRILOGIE" AS 'N VORM VAN BEKENTENISLITERATUUR/  
HENK VAN WOERDEN'S "KAAPSE TRILOGIE" AS FORM OF CONFESSION LITERATURE. Cum laude Studieleier/Supervisor: Prof. H.P. van Coller

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Moleleki, M.A. Prof.

**Research articles in accredited research journals**

**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

MOLELEKI, M.A.

Puo le demokrasi [Language and democracy]. Acta Academica Supplementum 2003(2):1-14.

**DEPARTMENT OF AFRO-ASIATIC STUDIES, SIGN LANGUAGE AND LANGUAGE PRACTICE  
DEPARTEMENT AFRO-ASIAATIESE STUDIE, GEBARETAAL EN TAALPRAKTYK**

Head of Department/Departementshoof: Prof. P.J. Nel

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Akach, P.A.O. Dr.  
Botha, S. Ms/Me.  
Lotriet, A. Dr.  
Naudé, J.A. Prof.  
Nord, C. Prof.

**Chapters in books  
Hoofstukke in boeke**

AKACH, P.A.O., AARONS, D.

South African Sign Language – one language or many? In Mesthrie, R. (Ed.) *Language and Social History*. Cambridge University Press. Cambridge, Great Britain, 2002:127-147

NEL, P.J.

Leefstyl Bybel vir Vroue, Wellington: Lux Verbi (Medewerker ten opsigte van Job, Ester en die 12 Klein Profete).

**Conference presentations  
Konferensievoordragte**

BOTHA, S., NAUDÉ, J.A.

An instrument for the quality assessment of local government texts, Johannesburg, 21<sup>st</sup> World Congress of the World Federation of Modern Language Associations, 2-5 July 2003.

DAYMOND, B.

Criminal Liability: From Babylon to Britain to Bloemfontein. Conference of the South African Society for Near Eastern Studies, Bloemfontein, 1-2 September 2003.

LOMBAARD, S., NAUDÉ, J.A.

From one medium to another: The Translation of Biblical texts in South-African Sign Language. Conference of the South African Society for Near Eastern Studies, Bloemfontein, 1-2 September 2003.

MAKUTOANE, T.J.

Renovating morality. The morality play *Everyman/Elkerlijk* in Sotho. Conference of the South African Society for Near Eastern Studies, Bloemfontein, 1-2 September 2003.

NAUDÉ, J.A.

A perspective on the transitions of Biblical Hebrew. 31<sup>st</sup> Meeting of the North American Conference on Afroasiatic Linguistics, Nashville, 4-6 April 2003.

NAUDÉ, J.A.

Afrikaanse Bybelvertalings 'vir Afrika'. Die vertalers en hulle kulturele agenda [Afrikaans Bible translations 'for Africa'. The translators and their cultural agenda], Bloemfontein, inaugural address, 7 May 2003.

NAUDÉ, J.A.

Representation of poetry in the Afrikaans bible translations. A corpus-based translation analysis. Corpus-based translation studies conference. Research and Applications. Pretoria, 21-25 July 2003.

NAUDÉ, J.A.

Faking a translation. A corpus-based translation analysis of *Di Koningin fan Skeba* and *Di Bybel in Afrikaans*. Conference of the South African Society for Near Eastern Studies, Bloemfontein, 1-2 September 2003.

NEL, P.J.

The Queen of Sheba: A colonial icon. SAVNOS Congress, University of the Free State, 1 – 2 September 2003.

SCHMIDT, N.

Job's friends – Israelite heretics or Ancient Near Eastern theologians? Conference of the South African Society for Near Eastern Studies, Bloemfontein, 1-2 September 2003.

SNYMAN, F.P.J., NAUDÉ, J.A.

The syntax of the participle with the negative in Biblical Hebrew. Conference of the South African Society for Near Eastern Studies, Bloemfontein, 1-2 September 2003.

WEINGARTZ, H.

Antieke Egiptiese perspektiewe oor die dood en hul begrafnisgebruike. Conference of the South African Society for Near Eastern Studies, Bloemfontein, 1-2 September 2003.

WESSELS, H.

Die reg van verzet in die lig van Calvyn se homolieë oor 1 Samuel 1-22. Conference of the South African Society for Near Eastern Studies, Bloemfontein, 1-2 September 2003.

#### **Research articles in accredited research journals**

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AKACH, P.A.O., LUBBE, H.J.

The giving of personal names in spoken languages and Sign Language – a comparison. *Acta Academica Supplementum*, 2003;(2):104-128.

LABUSCHAGNE, C.E., NAUDÉ, J.A.

'n Funksonalistiese benadering tot mediese vertaling in Suid-Afrika. [A functionalist approach to medical translation in South Africa]. *Acta Academica Supplementum*, 2003(2):129-167.

NAUDÉ, J.A.

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NAUDÉ, J.A.

The Consonantal Root in Semitic Languages. *Journal of Northwest Semitic Languages* 2003;9(2):15-32.

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The transitions of Biblical Hebrew in the perspective of language change and diffusion. *Journal for the study of the Old Testament Supplement Series* 369, 2003;189-214.

NEL, P.J., SCHMIDT, N.F.

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NEL, P.J.

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NORD, C.

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SNYMAN, F.P.J., NAUDÉ, J.A.

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SNYMAN, F.P.J., NAUDÉ, J.A.

Assessment of translation accuracy of the Lexica Machine Translation System. *Journal for Southern African Linguistics and Applied Language Studies* 2003;21(4):295-306.

#### **Unpublished research reports**

#### **Ongepubliseerde navorsingsverslae**

NEL, P.J., MASOGA, M.A.

Rituals of the Anthills: Issues, Challenges and Prospects. Voorgelê aan *Acta Academica*

## **Book and other reviews** **Boek- en ander resensies**

NAUDÉ, J.A.

Review of Davila, James, A. 2000. Liturgical works. (Eerdmans Commentaries on the Dead Sea Scrolls) Grand Rapids, Michigan/Cambridge, U.K. *Old Testament Essays* 2003;16(1):151-153.

NAUDÉ, J.A.

Review of Jobes, Karen H. & Silva, Moisés 2000. Invitation to the Septuagint. Grand Rapids, M.I. Baker / Carlisle: Paternoster. *Old Testament Essays* 2003;16(1):155-156.

NEL, P.J.

Review of Y Sherwood 2000. A biblical text and its afterlife. The survival of Jonah in Western culture. *Old Testament Essays* 2003;16(1):161-163.

## **Editorships/co-editorships** **Redakteurs/mederedakteurs**

NEL, P.J.

Assistentredakteur/Assistant Editor: *Acta Academica*

Redaksielid/Editor member: *Journal of Northwest Semitic Languages*

## **Highlights from research findings** **Glanspunte in navorsingsbevindinge**

AKACH, P.A.O., AARONS, D.

2002. Inclusive Education and the Deaf Child in South Africa

In this article, we argue that the notion of 'inclusion' as it is strictly understood in education planning in South Africa today, that is, as a system of mainstreaming, or including, learners with different disabilities, alongside ordinary learners in classrooms, has serious consequences for Deaf learners. We show that for the Deaf, this policy of inclusion is, in fact, a barrier to access, and counter to the claim of "Education for All". For the Deaf, such inclusion will mean exclusion. The reason for this is that the language of education in mainstream schools is spoken language, and the Deaf do not have access to spoken language. As a result, the Deaf will be excluded because Deaf people need and want to be taught in a language to which they have full access, i.e. South African Sign Language (SASL). We argue that although education in schools for the Deaf is woefully inadequate at present, owing to historical, financial and ideological reasons, where SASL is used as a medium of instruction, Deaf learners have full access to the content of the learning programme. We demonstrate that SASL is a fully-fledged natural language, perfectly capable of expressing all the nuances of meaning available to a spoken language. We suggest that as has been successfully accomplished in other countries, written English should be taught through the medium of signed language, and learners should use English as their language of literacy.

We cite the South African Schools Act to show that SASL should be regarded as the language of instruction in schools for the Deaf. We present evidence that SASL is the first language of Deaf learners, and argue, as have many linguists and educationalists, that learners should be taught in their first language. We also argue that Deaf learners have to learn through SASL as they do not have full access to spoken language. We show that it is impractical and unwieldy, as well as oppressive, to include Deaf learners in mainstream classes. We argue that it is necessary to maintain separate facilities for Deaf learners in which SASL is used as the language of instruction, and we conclude that the training of teachers fluent in SASL is an urgent priority. Having argued that the Deaf are disabled because of the refusal of mainstream society to accept their language (SASL), we urge that they are not to be further handicapped by giving them less, rather than equal access to information and education.

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AKACH, P.A.O., AARONS, D.

South African Sign Language – one language or many?

In this chapter we argue that contrary to popular belief, Deaf people in South Africa who use sign language are able to understand one another, irrespective of race, ethnicity, geographical location or the home language of their

parents. We discuss some of the reasons for the claim that there are different signed languages in use in South Africa, and establish that most of these are based not on linguistic evidence, but on other considerations. Thus, we see the role that apartheid ideology played in influencing Deaf people to believe that their identities were based on colour, ethnic origin, and language of their family; we explain the failure of schools for the Deaf in acknowledging that South African Sign Language is a language in its own right, and one to which the Deaf lay claim and of which they are proud; we analyze the making of the Dictionary of Southern African Signs and show that it is based on a misunderstanding of the linguistic levels of structure found in signed languages; we discuss the common misperception that signed languages are based on spoken languages and show how this mistake leads to a belief that Deaf people born into different spoken language communities will use different signed languages.

We provide evidence that Deaf people from different schools, races, and communities in South Africa are able to understand one another. We argue that there are indeed variations in the signed language used in South Africa, but that these are generally lexical, and no more pronounced than the variation in languages like English in South Africa. We note that since 1994, many Deaf people are acknowledging their Deaf identity as primary, particularly as a language identity. South African Sign Language is the unifying factor in claiming this Deaf identity. We argue that the debate as to whether there are several South African Sign languages, or if there is only one, is primarily a sociolinguistics question.

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**Books**  
**Boeke**

ERASMUS, P.A.

Life Histories of the People of the Riemvasmaak Community in the Northern Cape. The Sol Plaatje Educational Trust. October, 2003. ISBN: 620-31317 X.

**Conference presentations**  
**Konferensievoordragte**

ERASMUS, P.A.

‘XV International Congress of Anthropological and Ethnological Sciences, Humankind/Nature Interaction: Past, Present, and Future.’ Florence, Italy (July 5-12, 2003). (Symposium on: Involuntary displacement & sustainable livelihood restoration. Good practices and learning from mistakes: Representation and domination in the Richtersveld: The newcomers from Bosluis.). 2003.

**Research articles in accredited research journals / Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

DREYER, J.

A brief account of the life and war experiences of commandant T.F.J. Dreyer (1860-1943). South African Journal of Cultural History 2003;17(1):16-32.

DREYER, J., KILBY, S.E.

Sebetoane’s long march: a history of the Makololo (1823-1851). Anthropology Southern Africa (formerly South African Journal of Ethnology) 2003;26(1&2):1-15.

ERASMUS, P.A.

Taal en die magsdinamika van die Afrikaner: ‘n antropologiese perspektief. Acta Academica Supplementum. 2003;83-103.

ERASMUS, P.A.

forced removals: The experience of the communities of Brak and Rooirand. Journal for contemporary History. 2003;28(3):165-177.

JACOBSON, L.; LOOCK, J.C., VAN DER WESTHUIZEN, W.A., HUFFMAN T.N., DREYER, J.J.B. 2003. The occurrence of vitrified dung from the Kamdeboo district, southern Karoo, and Den Staat, Limpopo Valley, South Africa. South African Journal of Science 2003;99:26-28.

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**Conference attended**  
**Konferensie bygewoon**

BOOYSEN, F. LE R.

Chronic and transitory poverty in the face of HIV/AIDS-related morbidity and mortality: evidence from South Africa. Conference on Chronic Poverty and Development Policy. University of Manchester, Chronic Poverty Research Centre, United Kingdom, 7-9 April 2003.

BOOYSEN, F. LE R.

Urban-rural inequalities in health care delivery in South Africa. WIDER Conference on Inequality, Poverty and Human Well-being. Helsinki, Finland, 30-31 May 2003.

BOOYSEN, F. LE R.

HIV/AIDS-induced migration: evidence from the Free State province. Conference on Migration and Health in Southern Africa. Graduate School of Business, University of Cape Town, Cape Town, 27-29 January 2003.

BOOYSEN, F. LE R.

Poverty dynamics and HIV/AIDS-related morbidity and mortality in South Africa. Conference on Empirical Evidence for the Demographic and Socio-Economic Impact of AIDS. HEARD, University of Natal, Durban, South Africa, 26-28 March 2003.

BOOYSEN, F. LE R.

Poverty, HIV/AIDS-related morbidity and mortality, and social safety nets: evidence from the Free State province. Biannual Conference of the Economic Society of South Africa on Africa's Millennium: Trade, Investment and Economic Growth. Lord Charles Hotel, Somerset West, South Africa, 17-19 September 2003.

BOOYSEN, F. LE R., BURGER, P.

"The ties that bind": Poverty, social capital and disease. Symposium of the Suid-Afrikaanse Akademie vir Wetenskap en Kuns. University of Pretoria, Pretoria, South Africa, 19-20 June 2003.

BOOYSEN, F. LE R., GELDENHUYS, J.P., MARINKOV, M.

The impact of HIV/AIDS on the South African economy: a review of current evidence. TIPS/DPRU Forum on the Challenge of Growth and Poverty: The South African Economy since Democracy. Indaba Hotel, Johannesburg, South Africa, 8-10 September 2003.

BOOYSEN, F. LE R., MATEBESI, Z.

The socio-economic impact of HIV/AIDS on households: pilot study in Thabong/Welkom and Qwaqwa. Workshop on The Economic Impacts of HIV/AIDS and its Impact on Governance. Kievits Kroon Country Estate, Pretoria, 5 March 2003.

BOOYSEN, F. LE R., MKIZE, D.

The representation of the budget in cartoons in South African newspapers (1976-2003). Biannual conference of the Economic Society of South Africa on Africa's Millennium: Trade, Investment and Economic Growth. Lord Charles Hotel, Somerset West, South Africa, 17-19 September 2003.

BURGER, P., BOOYSEN, F. LE R., JANSE VAN RENSBURG, L., MKIZE, D.

"Talk is cheap; money buys the whiskey": Fiscal policy in the old and new South Africa (1977-2003). Biannual conference of the Economic Society of South Africa on Africa's Millennium: Trade, Investment and Economic Growth. Lord Charles Hotel, Somerset West, South Africa, 17-19 September 2003.

HEUNIS, C., JANSE VAN RENSBURG-BONTHUYZEN, E., MEYER, K., SUMMERTON, J.

PHC delivery in the Galeshewe Urban Renewal Site, Northern Cape: mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Research feedback workshop. Kimberley, 6 February 2003.

HEUNIS, C.

The role of the public district hospital in TB control. Conference on Tuberculosis: a multidisciplinary approach to research, policy and practice. University of the Free State, Bloemfontein, 11-12 November 2003.

JANSE VAN RENSBURG-BONTHUYZEN, E., HEUNIS, C.

PHC delivery in the Motherwell Urban Renewal Site, Eastern Cape: mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Research feedback workshop. Motherwell, Port Elizabeth, 2 June 2003.

JANSE VAN RENSBURG-BONTHUYZEN, E., MEYER, K., SUMMERTON, J.

PHC delivery in the Mdantsane Urban Renewal Site, Eastern Cape: mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Research feedback workshop. East London, 16 July 2003.

JANSE VAN RENSBURG-BONTHUYZEN, E.

Tuberculosis control through DOTS: assessing the application of the National TB Control Programme in Free State clinics. Conference on Tuberculosis: a multidisciplinary approach to research, policy and practice. University of the Free State, Bloemfontein, 11-12 November 2003.

MATEBESI, Z., TIMMERMAN, C.

The TB patient: qualitative evidence of perceived factors affecting treatment compliance. Conference on Tuberculosis: a multidisciplinary approach to research, policy and practice. University of the Free State, Bloemfontein, 11-12 November 2003.

MEYER, K., MOLEHE, D., HEUNIS, C.

PHC delivery in the Alexandra Urban Renewal Site, Gauteng: mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Research feedback workshop. Johannesburg, 17 June 2003.

MEYER, K., HLOPHE, H., HEUNIS, C.

PHC delivery in the Inanda and KwaMashu Urban Renewal Sites, KwaZulu-Natal: mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Research feedback workshop. Durban, 24 June 2003.

MEYER, K.

An economic analysis of TB in the Free State. Conference on Tuberculosis: a multidisciplinary approach to research, policy and practice. University of the Free State, Bloemfontein, 11-12 November 2003.

STEYN, F., FOSTER, H., HLOPHE, H.

Approaches to the diversion and reintegration of young offenders in South Africa. Feedback presentation to the Open Society Foundation for South Africa and project stakeholders. Sports Science Institute for South Africa, Cape Town, 12 December 2003.

STEYN, F.

Discussant to the presentation of Prof Charles Ngwenya entitled Strengthening local government and civic responses to the HIV/AIDS epidemic in South Africa. Seminar on local government responses to the HIV/AIDS epidemic. National Department of Social Development, HSRC, 13 March 2003.

STEYN, F.

Findings of an assessment of the levels of compliance of public places with current tobacco control legislation. Feedback presentation to the National Department of Health. Pretoria, 14 March 2003.

SUMMERTON, J., MEYER, K., JANSE VAN RENSBURG-BONTHUYZEN, E.

PHC delivery in the Khayelitsha Urban Renewal Site, Western Cape: mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Research feedback workshop. Cape Town, 5 June 2003.

SUMMERTON, J., MEYER, K., JANSE VAN RENSBURG-BONTHUYZEN, E.

PHC delivery in the Mitchells Plain Urban Renewal Site, Western Cape: mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Research feedback workshop. Cape Town, 6 June 2003.

VAN DER SPOEL-VAN DIJK, A.

Disease dynamics of Mycobacterium tuberculosis in the Free State: a molecular epidemiological perspective. Conference on Tuberculosis: a multidisciplinary approach to research, policy and practice. University of the Free State, Bloemfontein, 11-12 November 2003.

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

BACHMANN, M., BOOYSEN, F. LE R.  
Health and socioeconomic impact of HIV/AIDS on South African households: cohort study. *BMC Public Health* 2003;3:14.

BOOYSEN, F. LE R.  
HIV/AIDS and poverty: evidence from the Free State province. *South African Journal of Economic and Management Sciences* 2003;6(2):419-438.

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BOOYSEN, F. LE R.  
Urban-rural Inequalities in Health Care Delivery in South Africa. *Development Southern Africa* 2003;20(5):657-671.

BOOYSEN, F. LE R.  
The extent of and explanations for provincial disparities in progress on reconstruction and development in South Africa. *Development Southern Africa* 2003;20(1):21-48.

BOOYSEN, F. LE R., ARNTZ, T.  
The Methodology of HIV/AIDS Impact Studies: A Review of Current Practices. *Social Science & Medicine* 2003;56:2391-2405.

STEYN, F.  
Conceptualising the probation officer's role in crime prevention. *Social Work Practitioner-Researcher*. 2003;15(2):205-211.

STEYN, F.  
Exploring the probation officer's role in victim support and empowerment. *Social Work/Maatskaplike Werk*. 2003;39(3):282-289.

STEYN, F., FOSTER, H.  
Criminology's role in the training of probation officers working with young offenders. *Acta Criminologica*. 2003;16(4):75-88.

**Research articles published in other journals**  
**Navorsingsartikels in ander tydskrifte**

MONNAPULKA-MAPESEAL, M.L.E.  
Unlocking the mission of higher education to find a place for the Acquired Immuno-deficiency Syndrome (AIDS). *Education as Change* 2003;7(1):109-127.

**Unpublished research reports**  
**Ongepubliseerde navorsingsverslae**

BOOYSEN, F. LE R., BACHMANN, M., MATEBESI, Z., MEYER, K.  
The Socio-economic Impact of HIV/AIDS on Households in South Africa: pilot study in Welkom and Qwaqwa, Free State Province. Centre for Health Systems Research & Development, Bloemfontein. 2003:197.

ENGELBRECHT, M., SUMMERTON, J., MEYER, K., HEUNIS, C., JANSE VAN RENSBURG-BONTHUYZEN, E.  
PHC delivery in the Khayelitsha Urban Renewal Site, Western Cape. Mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Bloemfontein: CHSR&D.

HEUNIS, C., JANSE VAN RENSBURG-BONTHUYZEN, E., ENGELBRECHT, M., MEYER, K., SUMMERTON, J.

PHC delivery in the Galeshewe Urban Renewal Site, Northern Cape. Mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Bloemfontein: CHSR&D.

HEUNIS, C., VAN RENSBURG, H.C.J., JANSE VAN RENSBURG-BONTHUYZEN, E., ENGELBRECHT, M., MEYER, K., SUMMERTON, J.

Mapping the delivery of key primary health care programmes in urban renewal nodes in South Africa. Bloemfontein: CHSR&D.

JANSE VAN RENSBURG-BONTHUYZEN, E., HEUNIS, C., ENGELBRECHT, M., MEYER, K., SUMMERTON, J.

PHC delivery in the Mdantsane Urban Renewal Site, Eastern Cape. Mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Bloemfontein: CHSR&D.

JANSE VAN RENSBURG-BONTHUYZEN, E., HEUNIS, C., ENGELBRECHT, M., MEYER, K., SUMMERTON, J.

PHC delivery in the Motherwell Urban Renewal Site, Eastern Cape. Mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Bloemfontein: CHSR&D.

MEYER, K., HEUNIS, C., JANSE VAN RENSBURG-BONTHUYZEN, E., ENGELBRECHT, M., SUMMERTON, J.

PHC delivery in the Alexandra Urban Renewal Site. Mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Bloemfontein: CHSR&D.

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PHC delivery in the Inanda and KwaMashu Urban Renewal Sites. Mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Bloemfontein: CHSR&D.

NGWENA, C., STRAUSS, J., MAIMANE, J.R., ENGELBRECHT, M., STEYN, F., MEYER, K.

A report on the interim monitoring and evaluation of the implementation level of lifeskills and HIV/AIDS education programme in primary and secondary public schools in the Free State. Bloemfontein: CHSR&D.

STEYN, F., ENGELBRECHT, M., NGWENA, C., VAN RENSBURG, D.

Assessing the levels of compliance of public places with current tobacco legislation. Bloemfontein: CHSR&D.

SUMMERTON, J., ENGELBRECHT, M., MEYER, K., HEUNIS, C., JANSE VAN RENSBURG-BONTHUYZEN, E.

PHC delivery in the Mitchells Plain Urban Renewal Site, Western Cape. Mapping gaps in the maternal health, IMCI, TB, STI, HIV/AIDS and EDL programmes. Bloemfontein: CHSR&D.

VAN ZYL, N., VAN RENSBURG, D., STEYN, F., ELGONI, A.

Mid-term review of the PHC Service Delivery Programme of the Free State Department of Health. Bloemfontein: CHSR&D.

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**Conferences proceedings**  
**Konferensiehandelinge**

DE WET, J.C.

Journalism as history in a hurry? The Sunday Times on Mugabe in 1980. International congress – Media in Africa – in Stellenbosch on 11 September 2003.

PEPLER, E.

News values and popular culture: media preferences of the youth. Paper at an international congress – Media in Africa – in Stellenbosch on 11 September 2003.

**Conference attended**  
**Konferensie bygewoon**

BREYTENBACH, H.J.

Affordable research for community radio stations. National Association of Broadcasters (NAB). Johannesburg, 7th August 2003.

DE WET, J.C.

International congress – Media in Africa – in Stellenbosch on 11 September 2003.

SCHUTTE, C.

International congress – Media in Africa – in Stellenbosch on 11 September 2003.

PEPLER, E.

International congress – Media in Africa – in Stellenbosch on 11 September 2003.

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde tydskrifte**

BREYTENBACH, H.J., MARAIS, W., PEPLER, E.

Die rol van terugvoering in Internet-joernalistiek. *Communitas* 2003;8

DE WET, J.C., MOHALE, M.

HIV/AIDS information needs of Grade 12 learners in Maseru, in *Communitas* 2003;8.

DE WET, J.C.

Bush versus Bin Laden in Time: reflections on the binary opposition(s). *Communicare* 2003;22(1).

MULDER, D., BOSHOFF-JANSEN, J.

Radio en Geïntegreerde Bemerkingskommunikasie: Kritiese vraagstukke. *Communitas* 2003;8.

ODUWOLE, O.O., NEL, M., HIEMSTRA, L.A., TERBLANCHE, F.H.

Language Barriers – Informed Consent and the Surgical Patient's Outcome at Frere Hospital. *South African Family Practice*. 2003;45(9):5-6.

PEPLER, E. MARAIS, W., BREYTENBACH, H.J.

Die rol van terugvoering in Internet-joernalistiek. *Communitas* 2003;8.

TERBLANCHE, F.H.

In gesprek met Marcus Fabius Quintilianus oor aspekte van kommunikasie-onderig in die nuwe Suid-Afrika. *Communitas* 2003;8.

**Unpublished research reports**  
**Ongepubliseerde navorsingsverslae**

MULDER, D., SONDERLUND, I.

Integrated marketing at play: a comparative communication study of MTN and Vodacom in Bloemfontein.

MULDER, D., THEYS, A., VAN DEVENTER, A.

The development of an operational model for the optimisation of publicity as an integrated marketing communication tool.

VAN DEVENTER, A., THEYS, A., MULDER, D.

The development of an operational model for the optimisation of publicity as an integrated marketing communication tool.

**Editorships/Co-Editorships**  
**Redakteurs/Mederedakteurs**

DE WET, J.C.

Editor of *Communitas*, a nationally-accredited journal for community communication and information impact of the Unit for Community Communication, UFS.

**Membership of Professional and Scientific Associations**  
**Lidmaatskap van Professionele en Wetenskaplike Verenigings**

BREYTENBACH, H.J.

Member of Committee for the development of an evaluation instrument for lecturer evaluation, 2003-2004, UFS  
Members: Southern African Communication Association:

COETZEE, M.

Member of Library and Information Association of South Africa.

DE WET, J.C.

Member: Southern African Communication Association:

MULDER, D.

Member: Southern African Communication Association:

PEPLER, E.M.

Member: Southern African Communication Association:

SCHUTTE, C.

Member: Southern African Communication Association:

VAN DEVENTER, A.

Member of National Television and Video Association.

Member: Southern African Communication Association:

**Doctor's degree completed**  
**Doktorsgraad afgehandel**

PEPLER, Elizabeth Magrietha

AN EXPLORATION OF MEDIA LITERACY IN SOUTH AFRICA AND A MODEL FOR TERTIARY EDUCATION. PROMOTER: Dr. A. van Deventer CO-PROMOTER: Prof. J.D. Froneman

**DEPARTMENT OF COMPARATIVE EDUCATION AND EDUCATION MANAGEMENT**  
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Brazelle, R.R. Prof.

Niemann, S.M. Prof.



DE WET, N.C.

Free State educators' perceptions of the scope of learner crimes. South African Journal of Education/Suid-Afrikaanse Tydskrif vir Opvoedkunde 2003; 23(3):168-175.

DE WET, N.C.

Eastern Cape educators' perceptions of the causes and the scope of school violence. Acta Criminologica 2003; 16(3):89-106.

STEYN, S.C., WOLHUTER, C.C., DE WET, N.C., BERKHOUT, S.J., DE WAAL, E.A.S.

Uitdagings vir vergelykende opvoedkunde: alles vir almal en verstaan van die ander [Challenges for comparative education: everything for everybody and understanding of the other] South African Journal of Education/Suid-Afrikaanse Tydskrif vir Opvoedkunde 2003;23(4):307-312.

#### **Unpublished research reports**

#### **Ongepubliseerde navorsingsverslae**

VAN STADEN, J.G., WOLHUTER, C.C., VAN DER WALT, J.L.

Die geskiedenis en aard van OVSA-lidmaatskap (The History and Nature of EASA membership). Education Association of South Africa, Johannesburg. October 2003.

#### **International collaboration**

#### **Internasionale samewerking**

VAN STADEN, J.G.

Eksterne eksaminator vir Opvoedkunde-programme, National University of Lesotho (NUL).

#### **Membership of Professional and Scientific Associations**

#### **Lidmaatskap van Professionele en Wetenskaplike Verenigings**

VAN STADEN, J.G.

President: Education Association of South Africa (EASA)

#### **Doctor's degree completed**

#### **Doktersgraad afgehandel**

PII, Joel Seeiso

JOB SATISFACTION AMONG ACADEMIC STAFF AT INSTITUTIONS OF HIGHER LEARNING IN LESOTHO. PROMOTER: Prof. R.R. Brazelle

#### **DEPARTMENT OF CURRICULUM STUDIES**

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Authors in the Department/Outeurs verbonde aan die Departement:

Kotzé, G.S. Dr.

Messerschmidt, J.J.E. Prof.

#### **Conference presentations**

#### **Konferensievoordragte**

MESSERSCHMIDT, J.J.E.

UV-dosente se strewe na veeltaligheid: 'n gevallestudie [Lecturers at the UFS strive for multilingualism: a case study]. 23ste Wêreldkongres van die [23th World Conference] World Federation of Modern Language Associations/ Fédération Internationale des Professeurs de Langues Vivantes (FIPLV). Randse Afrikaanse Universiteit/Rand Afrikaans University, Johannesburg, 2-5 Julie 2003.



Authors in the Department/Outeurs verbonde aan die Departement:  
Foster, H. Ms/Me.

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

STEYN, F., FOSTER, H.  
Criminology's role in the training of probation officers working with young offenders. *Acta Criminologica* 2003;(4):75-88.

**DEPARTMENT OF DRAMA AND THEATRE ARTS**  
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Brink, R.S. Mrs/Mev.  
Kamper, G.H.J. Mr/Mnr.  
Luwes, N.J. Prof.  
Moshounyane, N. E. Mr/Mnr.  
Van Niekerk, D.E. Mr/Mnr.  
Van Zyl, C. Miss/Mej.  
Venter, P.A. Mr/Mnr.

**Book and other reviews**  
**Boek- en ander resensies**

Luwes, N.J.  
"Maagmeisie" deur Thomas Deacon. *Die Volksblad*, Februarie/February 2003.

**Artistic works/presentations**  
**Artistieke werke/aanbiedings**

Luwes, N.J.  
"A funny thing happened on the way to the forum" Regie van 'n vollengte musikale komedie in drie bedrywe, deur Stephen Sondheim in die Bloemfontein Stadskouburg, 10 – 15 Feb. vir PACOFS. ["A funny thing happened on the way to the forum". Directing of a full-length musical comedy by Stephen Sondheim. Bloemfontein Civic Theatre, 10 – 15 Feb. for PACOFS].

Luwes, N.J.  
Aanbieder van vier werkwinkels in Dramaskryfkuns tydens die 1820's Schools Foundation in die Wynand Moutontheater, UV, op 8, 9 Aug. 2003. [Presenter of the four workshops in Drama Writing Skills during the 1820's Schools Foundation in die Wynand Mouton Theatre, UFS, on 8, 9 Aug. 2003].

Luwes, N.J.  
"Maagmeisie" Regie, ontwerp en musiekkomposisie van 'n vollengte versdrama vir PACOFS tydens die Macufefees in die Wynand Moutontheater, UV, van 6 tot 12 Oktober 2003. ["Maagmeisie". Directing and music composition of a full-length verse drama for PACOFS during the Macufe Festival in the Wynand Mouton Theatre, UFS. From 6 to 12 October, 2003].

Luwes, N.J.  
"Afrikaanse teater" Die opstel, produksie en vertoning van 'n 17 minute-video oor die ontwikkeling van die Afrikaanse teatergeskiedenis in die Baxterteater, Kaapstad op 10 November 2003. ["Afrikaanse teater" The development, production and showing of a 17 minute video about the development of Afrikaans theatre in the Baxter Theatre, Cape Town on 10 November, 2003].



BRINK, R.S.

“A funny thing happened on the way to the forum.” Spel in ‘n vollengte musikale komedie in drie bedrywe, deur Stephen Sondheim in die Bloemfontein Stadskouburg, 10 – 15 Feb. vir PACOFS. [“A funny thing happened on the way to the forum” Acting in of a full-length musical comedy by Stephen Sondheim. Bloemfontein Civic Theatre, 10 – 15 Feb. for PACOFS].

BRINK, R.S.

“Mattewis & Meraai” Regie van ‘n vollengte drama deur P.G du Plessis in die Wynand Moutontheater, UV. Van 8 tot 10 Mei 2003 en tydens die Volksblad kunstefees van 9 tot 13 Julie 2003. [“Mattewis & Meraai” Directing of a of a full length drama by P.G du Plessis in the Wynand Mouton Theatre, UV. from 8 to 10 May, 2003 and during the Volksblad Arts Festival from 9 to 13 July, 2003].

BRINK, R.S.

“Read-program” Regie van ‘n Provinsiale projekprogram aangebied vir die Vrystaat Technicon in the UV Sasol Biblioteek in Junie, 2003. [“Read-program” Directing of a Provincial project program presented for the Free State Technicon in the UFS Sasol Library in June, 2003].

BRINK, R.S.

“Radiodrama” Aanbied van 4 werkwinkels aan Vrystaatleerders vir die Grahamstad Skolefees in Studio 11, BOK, UV op 15 Aug. [“Radio Drama” Presentation of 4 workshops for learners for the Grahamstown School’s Festival in Studio 11, BOK, UFS on 15 Aug].

VENTER, P.

“A funny thing happened on the way to the forum.” Vertolk rol in ‘n vollengte musikale komedie in drie bedrywe, deur Stephen Sondheim. Bloemfontein Stadskouburg, 10 – 15 Feb. vir PACOFS. [“A funny thing happened on the way to the forum” Perform a part in a full-length musical comedy by Stephen Sondheim. Bloemfontein Civic Theatre, 10 – 15 Feb. for PACOFS].

VENTER, P.

“A funny thing happened on the way to the forum.” Dekor- en plakaatontwerp vir ‘n vollengte musikale komedie in drie bedrywe, deur Stephen Sondheim. Bloemfontein Stadskouburg, 10 – 15 Feb. vir PACOFS. “A funny thing happened on the way to the forum” Décor and poster design for a full-length musical comedy by Stephen Sondheim. Bloemfontein Civic Theatre, 10 – 15 Feb. for PACOFS].

VENTER, P.

Aanbieder van vier werkwinkels in Tegnieke Aspekte tydens die 1820’s Schools Foundation in die Wynand Moutontheater, UV, op 8, 9 Aug. 2003. [Presenter of the four workshops in Technical Aspects during the 1820’s Schools Foundation in die Wynand Mouton Theatre, UFS, on 8 and 9 Aug. 2003].

VENTER, P.

“Repelsteeltjie” Regie van kindertoneel in Afrikaans. Albert Wessels ouditorium, UV van 7 tot 10 Okt. [“Repelsteeltjie” Directing of a children’s play in Afrikaans in the Albert Wessels Auditorium, UFS from 7 to 10 Oct].

VENTER, P.

“Rumpelstilskin” Regie van kindertoneel vertaal en verwerk uit Afrikaanse teks in Engels. Albert Wessels Ouditorium, UV van 7 tot 10 Okt. vir MACUFE. [“Rumpelstilskin” Directing of a children’s play translated and adapted from Afrikaans in English for MACUFE in the Albert Wessels Auditorium from 7 to 10 Oct].

VENTER, P.

Rollespel van ‘n rol in die simulatie-improvisasies vir Group 4 Securitas te Mangaung Maksimumsekuriteitgevangenis op 25 Julie en 7 November 2003. [Performance of a role in the simulation-improvised dramas for Group 4 Securitas at Mangaung Maximum Security Prison on 25 July and 7 November 2003.]

VAN NIEKERK, D.E.

“Bobaas van die boendoe” Regie van ‘n vollengte toneelstuk deur André P. Brink in die Wynand Moutontheater. UV op 17, 18 en 19 Sept. [“Bobaas van die Boendoe” Directing of a full-length play by André P. Brink in the Wynand Mouton Theatre, UFS on 17, 18 and 19 Sept.]

MOSHOUNYANE, N.E.

“Bar and Ger” Regie van ‘n eenbedryf deur Geraldine Aaron in die Wynand Moutontheater. UV op 22 en 23 Mei.  
[“Bar and Ger” Directing of an one act by Geraldine Aaron in the Wynand Mouton Theatre on 22 and 23 May.]

MOSHOUNYANE, N.E.

“Krukwana” Skryf en regie van ‘n kinderstuk in SeSotho in die Albert Wessels-ouditorium, UV vir die Macufefees op 7, 8, 9 Okt. [“Krukwana” Writing and directing of a children’s play in SeSotho in the Albert Wessels Auditorium, UFS for the Macufe-festival on 7, 8, 9 Oct.]

### **Prestigious fellowships and grants**

#### **Prestigenavorsingsgenootskappe en -toekennings**

LUWES, N.J.

Arts and Culture Trust Award (ACT).

Drama en Teaterkuns/Drama and Theatre Arts.

Toekenning vir produksie van ‘n Griekwadrama, “Maagmeisie” vir die Macufefees.

Award for the production of a Griqua play “Maagmeisie” at the Mafuce Festival.

### **Local collaboration**

#### **Plaaslike samewerking**

PACOFs

Dept. Drama en Teaterkuns/Dept Drama and Theatre Arts

### **Membership of Professional and Scientific Associations**

#### **Lidmaatskap van Professionele en Wetenskaplike Verenigings**

LUWES, N.J.

Departement Drama en Teaterkuns/Department of Drama and Theatre Arts

Lid/Member: S.A. Akademie vir Wetenskap en Kuns.

### **Doctor’s degree completed**

#### **Doktersgraad afgehandel**

VAN NIEKERK, Daniël Erasmus

BENADERINGSWYSES VIR VERSKILLENDE TONEELGENRES/METHODS FOR APPROACHING  
DIFFERENT DRAMA GENRES. PROMOTER: Prof. N.J. Luwes CO-PROMOTER: Dr. A. van Jaarsveld

### **DEPARTMENT OF ENGLISH AND CLASSICAL LANGUAGES**

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Cilliers, J.F.G. Dr.

Greyling, W.J. Prof.

Muller, F.R. Prof.

Rafty, M.M. Prof.

Retief, F.P. Prof.

Ullyatt, A.G. Prof.

Van Wyk, A.L. Dr.

**Chapters in books**  
**Hoofstukke in boeke**

CILLIERS, L.

Graeco-roman views on the Aetiology of Disease, Literature, Art, History: Studies On Classical Antiquity And Tradition, Basson, A.F., Dominik (eds). 2003:275-287.

**Conference proceedings**  
**Konferensiehandelinge**

BROKENSHA, S.I.

The pedagogical design of news-interview tasks that display the interviewer's orientation to the "overhearing" broadcast audience. Published in CD ROM format in 2003; publication from the FIPLV Conference 2003, an international conference held in Johannesburg, South Africa from 2 - 5 July 2003 under the auspices of SAALT.

GREYLING, W.J.

Developing learners' applied competence: Learner constructions of xenophobia. Published in CD ROM format in 2003; publication from the FIPLV Conference 2003, an international conference held in Johannesburg, South Africa from 2 - 5 July 2003 under the auspices of SAALT.

VAN WYK, A.L.

English academic literacy in practice: a rural outreach. Published in CD ROM format in 2003; publication from the FIPLV Conference 2003, an international conference held in Johannesburg, South Africa from 2 - 5 July 2003 under the auspices of SAALT.

**Conference presentations**  
**Konferensievoordragte**

BROKENSHA, S.I.

The pedagogical design of news-interview tasks that display the interviewer's orientation to the "overhearing" broadcast audience. Published in CD ROM format in 2003; publication from the FIPLV Conference 2003 an international conference held in Johannesburg, South Africa from 2 - 5 July 2003 under the auspices of SAALT.

GREYLING, W.J.

Developing learners' applied competence: Learner constructions of xenophobia . Published in CD ROM format in 2003; publication from the FIPLV Conference 2003, an international conference held in Johannesburg, South Africa from 2 - 5 July 2003 under the auspices of SAALT.

VAN WYK, A.L.

English academic literacy in practice: a rural outreach. Published in CD ROM format in 2003; publication from the FIPLV Conference 2003, an international conference held in Johannesburg, South Africa from 2 - 5 July 2003 under the auspices of SAALT.

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

BROKENSHA, S.I., GREYLING, W.J.

Consciousness-raising about grammar in the second-language classroom: Utilising authentic samples of learner-learner interaction in a task-based activity. Journal for Language Teaching 2003;37/1:74-91.

CILLIERS, L., RETIEF, F.P.

Galenus: Prins of Pronker? Akroterion 2003;48:81-88

GELDENHUYS, K., RAFTERY, M.M.

Moral and Medical 'prescriptions' in a fifteenth-century Sacrament Play. Acta Academica 2003;35(2):81-102.

RAFTERY, M.M.

Naming and renaming as Disguise: Vices in Rhetoricians' Drama. Nomina Africana 2003;17(1):21-34.



**Artistic works/presentations**  
**Artistieke werke/aanbiedings**

ALLEN-SPIES, J.

**UITSTALLINGS/KOMPETISIES:**  
**EXHIBITIONS/COMPETITIONS:**

Volksblad Kunstefees, Groepsuitstalling, UV, Bloemfontein, Junie/Julie 2003.  
Volksblad Arts Festival, Group exhibition, UFS, Bloemfontein, June/July 2003.

Brett Kebble Arts Awards, Nasionale Groepsuitstalling, Nasionale Konferensiesentrum, Kaapstad, 30 September – 14 Oktober 2003.  
Brett Kebble Arts Awards, National Group Exhibition, National Convention Centre, Cape Town, 30 September – 14 October 2003.

BOTMA, B.

Volksblad Kunstefees, Groepsuitstalling, UV, Bloemfontein, Junie/Julie 2003.  
Volksblad Arts Festival, Group exhibition, UFS, Bloemfontein, June/July 2003.

Geteken 2003, roepsuitstalling, Ou Lettere Galery. UP, 13 Februarie – 14 Maart 2003  
Signed 2003, Group exhibition. Old Arts Gallery, UP, 13 February – 7 March 2003

SLABBERT, S.

Volksblad Kunstefees, Groepsuitstalling, UV, Bloemfontein, Junie/Julie 2003.  
Volksblad Arts Festival, Group exhibition, UFS, Bloemfontein, June/July 2003.

Poelanong Mosaïekpaneel, Gedeelte van 'n publieke monument in opdrag van die Vrystaatse Provinsiale Regering en in samewerking met die Roodt-argiteksgroep en 'n gemeenskapskunstgroep, Nelson Mandelastraat, Bloemfontein, Junie – November 2003.

Poelanong Mosaic Mural, Part of a public monument commissioned by the Free State Provincial Government and in collaboration with the Roodt Group (Architects) and a Community Arts Group, Nelson Mandela Drive, Bloemfontein, June – November 2003.

Beplanning en inrigting van museumuitstallings vir 'n kultuur-historiese museum te Sangwali, Caprivi.

**DEPARTMENT OF HISTORY**  
**DEPARTEMENT GESKIEDENIS**

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Pherudi, M.L. Dr.  
Rademeyer, J.S. Dr.  
Stemmet, J-A. Dr.  
Steyn, M.S. Ms/Me.  
Twala, C.M. Mr/Mnr.  
Wessels, A. Prof.

**Chapters in books**  
**Hoofstukke in boeke**

PHERUDI, M.L.

Lesotho: Political conflict, peace and reconciliation in the Mountain Kingdom in *Through fire with water: the roots of division and potential for reconciliation in Africa*. Erik Doxtader and Charles Villa-Vicencio (eds). Institute for Justice and Reconciliation, Cape Town, 2003: 359-387.

**Conference presentations**  
**Konferensievoordragte**

BARNARD, S.L.

Presidential address, Biennial Conference of the South African Historical Society, Bloemfontein, 30 June 2003.

BARNARD, S.L.

The controversy of Cassinga. Does the media provide the final answer? International Commission of Military History, Bucharest, August 2003.

STEMMET, J-A.

From nipples and Nationalists to full frontal in the New South Africa: a short history of pornography and the censorship thereof in the old and the new South Africa. Biennial Conference of the South African Historical Society, Bloemfontein, 1 July 2003.

TWALA, C.M.

“Ulundi-Kaya”: The dwelling of Thomas Mapikela – its historical significance (1926-1945). Biennial Conference of the South African Historical Society, Bloemfontein, 30 June 2003.

TWALA, C.M.

Teaching history beyond the categories of race and ethnicity: Echoes of the past. South African Society for History Teaching Conference, Johannesburg, 5 September 2003.

WESSELS, A.

The South African Navy’s first frigate era, 1944-1985. Biennial Conference of the South African Historical Society, Bloemfontein, 30 June 2003.

WESSELS, A., EVALDSSON, A-K.

To remember or not to remember: three important commemorative events in twentieth-century South Africa. Biennial Conference of the South African Historical Society, Bloemfontein, 1 July 2003.

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

BARNARD, S.L.

Die Suid-Afrikaanse Lugmag se aandeel in die militêre optrede tydens die Suid-Afrikaanse Weermag se aanval op Cassinga, 4 Mei 1978 [The South African Air Force’s contribution re the South African Defence Force’s attack on Cassinga, 4 May 1978] *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis* 2003; 28(2):81-96.

BARNARD, S.L.

Die Suid-Afrikaanse Lugmag se optrede tydens Operasie Savannah – relevant of ‘n noodsaaklike ergernis? [The South African Air Force’s role during Operation Savannah – relevant or a necessary nuisance?] *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis* 2003; 28(2):66-80.

EVALDSSON, A-K., WESSELS, A.

To commemorate or not to commemorate: three important commemorative events in twentieth-century South Africa. *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis* 2003;28(1):62-82.

KAPP, P.H.

Seriouse, selfstandige soeker: C.M. van den Heever (1902-1957) [Serious, independent seeker: C.M. van den Heever (1902-1957)]. *Acta Academica* 2003;35(2):1-34.

LIGTHELM, J.H., BARNARD, S.L.

Genl. Jan Kemp se vormingsjare: was dit verantwoordelik vir sy besluit om as rebel die nuutgestigte Suid-Afrikaanse Verdedigingsmag uit te daag? [Gen. Jan Kemp's formative years: was it responsible for his decision to challenge the newly-established South African Defence Force as a rebel?] *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis* 2003;28(1):152-165.

LE ROUX, C.

The role of the South African Police and supportive local authorities in crime prevention in Mangaung, Bloemfontein, 1945-1976. *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis* 2003;28(3):198-215.

PHERUDI, M.L.

Operation Boleas under microscope, 1998-1999. *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis*, 2003;28(1):123-137.

RADEMEYER, J.C., BARNARD, S.L.

Die 1981 Springbok-rugbytoer na Nieu-Seeland: die katalisator in die stryd teen apartheid in Suid-Afrikaanse rugby [The 1981 Springbok rugby tour to New Zealand: catalyst in the struggle against apartheid in South African rugby] *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis* 2003;28(3):178-197.

STEMMET, J-A., BARNARD, S.L.

Committees, tyres and teenagers: 'people's power' and 'alternative structures' as part of the strategy of the ANC to render the country ungovernable during the 1980s. *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis*, 2003;28(1):92-109.

TWALA, C.M.

Winkie Direko: a political leader in her own right. *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis*, 2003;28(3):134-151.

WESSELS, A.

'n Snelontplooiingsmag vir Afrika: enkele historiese perspektiewe [A rapid reaction force for Africa: a few historical perspectives]. *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis* 2003;28(1):1-15.

WESSELS, A.

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WESSELS, A.

The British Army in 1899: problems that hampered preparations for war in South Africa. *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis* 2003;28(2):168-189

WESSELS, A.

Die Suid-Afrikaanse Vloot se eerste fregat-era, 1944-1985 (1): Die "Loch"-klas en SAS *Vrystaat* [The South African Navy's first frigate era, 1944-1985 (1): the "Loch" class and SAS *Vrystaat*]. *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis* 2003;28(3):29-43.

### **Book and other reviews**

#### **Boek- en ander resensies**

KAPP, P.H.

Afrika van de Koude Oorlog naar de 21ste eeuw [Africa from the Cold War to the 21st century]. R. van der Veen. *Journal for Contemporary History/Joernaal vir Eietydse Geskiedenis* 2003;28(1):168-172.

KAPP, P.H.

Voorloper. Die lewe van Schalk Pienaar [Leader. The life of Schalk Pienaar]. A. Mouton. *Tydskrif vir Geesteswetenskappe* 2002;42(4):326-328.

KAPP, P.H.

Eilande [Islands]. D. Sleight. *Tydskrif vir Geesteswetenskappe*

KAPP, P.H.

1421. The year China discovered the world. G. Menzies. *Die Burger Boekeblad*, 26 May 2003.

KAPP, P.H.

Montanha in Zoutpansberg: 'n Portugese handelsending van Inhambane se besoek aan Schoemansdal, 1855-1856 [Montanha in Zoutpansberg: the visit of a Portuguese trade mission from Inhambane to Schoemansdal, 1855-1856]. O.J.O. Ferreira. Die Burger Boekeblad, 10 May 2003.

KAPP, P.H.

The founder – Cecil Rhodes and the pursuit of power. R.I. Rotberg. Die Burger Boekeblad, 10 March 2003.

KAPP, P.H.

Vir vryheid en reg [For freedom and justice]. M. van Bart and L. Scholtz (eds). Die Burger Boekeblad, 13 October 2003.

WESSELS, A.

Peaceable warrior: the life and times of Sol T. Plaatje. M. Rall. Die Volksblad, 18 August 2003.

WESSELS, A.

Rorke's Drift. A. Greaves. Die Volksblad, 17 November 2003.

WESSELS, A.

The lion and the springbok. Britain and South Africa since the Boer War. R. Hyam and P. Henshaw. Journal for Contemporary History, 2003;28(3):235

### **Editorships/co-editorships**

#### **Redakteurs/mederedakteurs**

BARNARD, S.L.

Editor-in-chief: Joernaal vir Eietydse Geskiedenis/Journal for Contemporary History.

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Member: Gesellschaft für Geschichtsdidaktik, Augsburg.  
Member: Kaapstad Hugenote Vereniging van Suid-Afrika, Franschhoek.

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Member: Simon's Town Historical Society.  
Member: Old Pretoria Society.  
Member: Simon van der Stel Foundation.  
Member: Naval Heritage Trust.  
Member: Genootskap Nederland-Suid-Afrika.  
Member: Nederlandsch-Zuid-Afrikaansche Vereniging (The Netherlands).

#### **Doctor's degree completed**

#### **Doktersgraad afgehandel**

STEYN, Maria Sophia

OIL POLITICS IN ECUADOR AND NIGERIA: A PERSPECTIVE FROM ENVIRONMENTAL HISTORY ON THE STRUGGLES BETWEEN ETHNIC MINORITY GROUPS, MULTINATIONAL OIL COMPANIES AND NATIONAL GOVERNMENTS. PROMOTER: Prof. A. Wessels

#### **Master's degree completed**

#### **Magistergraad afgehandel**

MOEKETSI, Maloisane Isaac

AN INVESTIGATION ON THE FORMATION OF THE SELF-DEFENCE UNITS IN SHARPEVILLE, 1990-1994. Supervisor: Dr. M.L. Pherudi Co-Supervisor: Mr M. Semela

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### **Chapters in books**

#### **Hoofstukke in boeke**

HUMAN, E.S.

Art and magic: the mask of wildness. Von Maltzan, C. (ed.) Africa and Europe: en/countering myths. Essays on literature and cultural politics. (Literary and cultural theory 15, General editor Wojciech H. Kalaga.). Frankfurt a. M: Peter Lang Verlag, 2003: 119-129. ISBN 3-631-51216-3.

### **Conference proceedings**

#### **Konferensiehandelinge**

VAN DEN BERG, D.J.

Terra incognita as anti-Leviathan emblem: dialectical intervals between power and powerlessness. Duffey, A. (ed.). Current issues in art, art history and architectural history in South Africa. Proceedings of the eighteenth annual conference of the South African Association of Art Historians, Department of Visual Arts, University of Pretoria, 12 & 13 July 2002. Pretoria: SAAAH, 2003: 167-175.

### **Conference presentations**

#### **Konferensievoordragte**

HUMAN, E.S.

Cultural disparities and similarities: on hermeneutics and frenzy. Visual studies in contemporary South Africa, 19th annual conference of the South African Association of Art Historians, Stellenbosch University, 12 September 2003, Panel 2.

HUMAN, E.S.

Wildness and interpretation. International Sociological Association and the Sociology of the Arts Research Network of the European Sociological Association, Research stream: Culture, collective memories and public discourse. University of Murcia, Spain 23 - 26 September 2003.

HUMAN, E.S.

Critical theory and gender. Critical theories symposium, Travelling Institute for Music Research, NRF. University of the Free State. 22 – 24 October 2003. Day 2, Session 2.

VAN DEN BERG, D.J.

Not I: troubled representations of the self. Visual studies in contemporary South Africa, 19th annual conference of the South African Association of Art Historians, Stellenbosch University, 13 September 2003, Panel 6b.

### **Research articles in accredited research journals**

#### **Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

HUMAN, E.S.

Gender, ideology and display. South African Journal of Art History 2003;18:1-14.

MARÉ, E.A.

The qualitative change from naturalistic to transcendental space in selected paintings by El Greco. South African Journal of Art History 2003;18:64-79.

VAN DEN BERG, D.J.

Narrative temporalities in a Bushman rock painting site. Acta Academica 2003;35(1):31-65.

**Editorships/co-editorships**  
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VAN DEN BERG, D.J.

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**Highlights from research findings**  
**Glanspunte in navorsingsbevindinge**

In his continued typiconic research on image rhetoric, D.J. van den Berg used the case of paintings in the Tandjesberg shelter to investigate the presence of narrative frames in San rock art. It established that art historical application of certain narratological categories for interpreting visual narratives offers evident hermeneutical and methodological supplements to the usual archaeological analysis of rock art.

In sy tipikoniese navorsing oor beeldretoriek het D.J. van den Berg, aan die hand van skilderinge in die Tandjesbergskuiling, die rol van narratiewe rame in San rotskuns ondersoek. Dit blyk dat die kunshistoriese ontginning van sekere narratologiese konsepte in die ontleding van visuele vertellings besondere hermeneutiese en metodologiese bydraes kan lewer om die gebruiklike argeologiese ontleding van rotskuns aan te vul.

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E.S. Human doen navorsing oor die verskeidenheid van tipiese raamwerke waardeur Europeërs “wildheid” vestaan het, waardeur verskynsels van “wildheid” in hulle kulture geakkommodeer is, en waardeur die etiket van “wildheid” aan ander kulture toegedig is. Die karnavaleske moontlikhede van die pikareske tradisie is een raamwerk waarin die vrees en afsku, sowel as die komiese en belaglike aspekte van wildheid dubbelsinnig verdra en voorgestel is in die westerse kultuur. Prominente hermeneutiese metodologieë wat daarop gerig is om historiese en kulturele afstande te oorbrug tussen kontemporêre toeskouers en vreemde of ou voorwerpe word bestudeer, om daarmee ‘n nuwe ideologie-kritiese model te suggereer wat onverwagte en verborge verhoudinge tussen uiteenlopende kulture na vore bring.

E.S. Human conducts research on the various typical frameworks of ideas through which Europeans have understood “wildness”, have accommodated phenomena of “wildness” in their cultures, and have attributed the label of “wildness” to other cultures. The picaresque tradition with its carnivalesque possibilities is one such framework in which the horror and fear, as well as the comic and ridiculous aspects of wildness have been ambiguously tolerated and expressed in Western culture. Prominent hermeneutic methodologies aimed at bridging historical or cultural distances between contemporary spectators and past and foreign objects are profited by, in order to suggest a new ideology critical model that may disclose unexpected and obscured relationships between disparate cultures.

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**Books**

**Boeke**

MULLER, S.J.v.Z.

A Composer in Africa: Essays on the Life and Work of Stefans Grové, co-edited with Chris Walton, in press (Unisa Press), 2003.

**Chapters in books**

**Hoofstukke in boeke**

MULLER, S.J.v.Z.

Queer Alliances, in: Gender, Sexuality and Music in South Africa, forthcoming 2003.

MULLER, S.J.v.Z.

Imagining Afrikaners Musically: Reflections on the African Music of Stefans Grové in: A Composer in Africa: Essays on the Life and Work of Stefans Grové, 2003.

MULLER, S.J.v.Z.

Place, Identity and a Station Platform, in: A Composer in Africa: Essays on the Life and Work of Stefans Grové, 2003.

MULLER, S.J.v.Z.

Stefans Grové's Narratives of Lateness, in: A Composer in Africa: Essays on the Life and Work of Stefans Grové, 2003.

**Conference presentations**

**Konferensievoordragte**

MULLER, S.J.v.Z.

'Queer Alliances', paper presented at a two-day conference on Gender, Sexuality and Music in South Africa at the University of Pretoria, 26-27 August 2003.

MULLER, S.J.v.Z.

'South African Music as Postcolonial Text', paper presented at a three-day Symposium on Critical Theory at the University of the Free State, 22-24 October 2003.

MULLER, S.J.v.Z.

'Music Criticism and Adorno', paper presented at a three-day Symposium on Critical Theory at the University of the Free State, 22-24 October 2003.

VILJOEN, M. & VILJOEN, N.G.J.

The Politics of the Ineffable: A Deconstructive Reading of Hubert du Plessis's "De Bruid". Gender Conference, Pretoria, 26 August 2003.

VILJOEN, M.

Ideology and Interpretation: A Figurative Semiotics of Musical Discourse. TIMR Critical Theories Symposium, Bloemfontein, 22 October 2003.

### **Research articles published in other journals**

#### **Navorsingsartikels in ander tydskrifte**

MULLER, S.J.v.Z.

Madness, Creativity and the Musical Imagination, *NewMusicSA*, Second Issue, 2003: 11-16.

MULLER, S.J.v.Z.

Interview with Jeanne Zaidel-Rudolph, *NewMusicSA*, Second Issue, 2003: 9-11.

MULLER, S.J.v.Z.

Interview with Jürgen Bräuninger and Sazi Dlamini, *NewMusicSA*, Second Issue, 2003: 1-6.

MULLER, S.J.v.Z.

Interview with Ben Schoeman, *Musicus* 31:2

MULLER, S.J.v.Z.

Response to David Hönigsberg 'Chamber Symphony 1998', *Current Musicology*, 2003: 259-63.

### **Book and other reviews**

#### **Boek- en ander resensies**

MULLER, S.J.v.Z.

CD Review: Damba Moon (Sound Circus, 2001), *NewMusicSA*, Second Issue, 2003: 27.

### **Editorships/co-editorships**

#### **Redakteurs/mederedakteurs**

MULLER, S.J.v.Z.

Editor of the *NewMusicSA* Bulletin.

### **Artistic works/presentations**

#### **Artistieke werke/aanbiedings**

ARMER, H.C.

Performance of Four Pieces (from Opus 83) by M. Bruch for clarinet, viola and piano (with John Wille viola and Nicol Viljoen piano). Odeion, University of the Free State, Bloemfontein, 27 May 2003.

ARMER, H.C.

Performance of Essays in Sound for clarinet and piano (Opus 84) by J. Takács (with Brigitte Botha piano). Odeion, University of the Free State, Bloemfontein, 27 May 2003.

ARMER, H.C.

Performance of the Trio in A minor for clarinet, cello and piano (Opus 114) by J. Brahms (with Brigitte Botha piano and Arend Brink cello). Odeion, University of the Free State, Bloemfontein, 27 May 2003.

CILLIERS, D.J.

Performance of Los Requeibros from Goyescas for piano by E. Granados. Odeion, University of the Free State, Bloemfontein, 9 July 2003.



VAN SCHALKWYK, A.A.

Performance of the Cello Sonata in C major by L. van Beethoven, the Sonata for cello and piano by C. Debussy, and the Cello Sonata by S. Prokofieff (with Berthine van Schoor cello). UNISA Auditorium, Sunnyside, Pretoria, 7 September 2004.

VAN SCHALKWYK, A.A.

Performance of the Cello Sonata in C major by L. van Beethoven, the Sonata for cello and piano by C. Debussy, the Suite Espagnole by M. de Falla and the Vocalise by S. Rachmaninov (with Berthine van Schoor cello). Gencor Gallery, RAU campus, Johannesburg, 8 September 2004.

VAN SCHALKWYK, A.A.

Performance of Kleuterland by P. de Villiers, the Afrikaans version (translated by P. de Villiers and W. Nel) of the complete Dvořák Biblical Songs and 'n Paar Suid-Afrikaanse Volksliedere by H. Temmingh (with Werner Nel baritone). Aardklop Art Festival, Potchefstroom University Conservatoire Hall, 26 and 27 September 2003.

VAN SCHALKWYK, A.A.

Performance of the Piano Trio in C minor by F. Mendelssohn and The Four Seasons by Piazzolla (as member of the Potch Trio, with Piet Koornhof violin, and Human Coetzee cello). Aardklop Art Festival, Potchefstroom University Conservatoire Hall, 26 and 27 September 2003.

VILJOEN, N.G.J.

Performance of Four Pieces (from Opus 83) by M. Bruch for clarinet, viola and piano (with Heinrich Armer clarinet and John Wille viola). Odeion, University of the Free State, Bloemfontein, 27 May 2003.

VILJOEN, N.G.J.

Performance of the Piano Quartet (KV 478) by Mozart and the Piano Quartet (Opus 16) by Beethoven (with Piet Koornhof violin, John Wille viola and Human Coetzee cello). University of Potchefstroom, 1 June 2003.

VILJOEN, N.G.J.

Performance of the Slavonic Dances for piano duet (Opus 46, Nos 1, 2 and 3) by A. Dvořák (with Albie van Schalkwyk piano). Odeion, University of the Free State, Bloemfontein, 24 August 2003.

VILJOEN, N.G.J.

Performance of Four Romantic Pieces for violin and piano (Opus 75) by A. Dvořák (with Abrie de Wet violin). Odeion, University of the Free State, Bloemfontein, 29 August 2003.

VILJOEN, N.G.J.

Organ improvisation concert. Aardklop Festival, Potchefstroom, 29 September 2003.

VILJOEN, N.G.J.

Jazz performance with Brilliant Cut. Green Dolphin, Cape Town, 10 and 11 October 2003.

VILJOEN, N.G.J.

Performance of the Arpeggioni Sonata in D by F. Schubert and the Sonata for viola and piano in E flat (Opus 120, No. 2) by J. Brahms (with John Wille viola). Odeion, University of the Free State, Bloemfontein, 22 October 2003.

VILJOEN, N.G.J.

Performance of the Piano Quartet in G minor (KV 478) by Mozart and the Piano Quartet (Opus 16) by Beethoven (with Denise Sutton violin, John Wille viola and Maren Wille cello). Lucid Candles, Pretoria, 15 November 2003, and Northwoods, Johannesburg, 16 November 2003.

WILLE, J.G.B.

Performance of the Piano Quintet by R. Schumann (with Mark Uys and Xandie van Dijk violins, Michael Haller cello and Francois du Toit piano). Franschoek, 3 April 2003.

WILLE, J.G.B.

Performance of Four Pieces (from Opus 83) by M. Bruch for clarinet, viola and piano (with Heinrich Armer clarinet and Nicol Viljoen piano). Odeion, University of the Free State, Bloemfontein, 27 May 2003.



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VISAGIE, P.J.  
Applying some critical tools to critical theory (and its musicological use). "Critical theories" symposium. Music Department, UFS. Bloemfontein. 22-24 October 2003.

VAN DER MERWE, J.C.  
Oprah and Dr. Phil O Sophia. S.A. Philosophy Congress, Rhodes. 18-22 January 2003.

**Artistic works/presentations**  
**Artistieke werke/aanbiedings**

VAN DER MERWE, J.C.

‘n Aand by die Oprah – ‘n Ek-ologiese overture [An evening at the Oprah – an Ec-ological overture]. Bloemfontein Kunstefees, Odeion. 9-11 Julie 2003.

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**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

SCHOEMAN, P.G.

Acquiring critical skills and developing an analytical mind-set realistic objective for South African education? Journal for Christian Scholarship/Tydskrif vir Christelike Wetenskap 2003;39(1&2):1-42.

LE ROUX, A., LOUW, J.M.

Nation building and globalisation: the education dilemma. Journal for Christian Scholarship/Tydskrif vir Christelike Wetenskap 2003;39(1&2):57-68.

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**Conference presentations**  
**Konferensievoordragte**

COMBRINK, N.L.

Land reform in South Africa: Heeding the lessons of Africa. Paper delivered at the biennial conference of the South African Historical Society in July 2003, Bloemfontein.

DUVENHAGE, A.

The Political Environment: a strategic perspective towards the 2004 election and beyond. Paper presented at the Leadership Development Institute in May 2003, KwaZulu-Natal.

DUVENHAGE, A.

The South African political environment: a scenario analysis. Paper presented at the biennial conference of the South African Historical Society in July 2003, Bloemfontein.

HUDSON, H.

War on terrorism vs. war on injustice: perspectives on old and not so old security paradigms in the post-9/11 global order. Paper presented at the 19<sup>th</sup> IPSA World Congress, 29 June–4 July 2003, Durban.

**Research articles in accredited research journals**  
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COETZEE, T., WESSELS, D.P.

Suid-Afrika se staatsvorm: Unitêr of Federaal? *Joernaal vir Eietydse Geskiedenis* 2003;28(3):114-133.

DUVENHAGE, A.

Politieke verval as 'n patroon van politieke verandering. *Joernaal vir Eietydse Geskiedenis* 2003;28(3):44-71.

HUDSON, H.

Globalisering en die staat: tendense en implikasies vir internasionale veiligheid. *Tydskrif vir Geesteswetenskappe* 2003;43(1&2):35-46.

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Zimbabwe – Review of the 2002 Presidential Election. *Journal for Contemporary History* 2003;28(3):152-164.

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**Doktersgraad afgehandel**

MAKHETHA, Kelebogile Choice

ELECTORAL SYSTEMS AS A MECHANISM OF DEMOCRATIC GOVERNANCE – A SOUTH AFRICAN PERSPECTIVE. PROMOTER: Prof. D.P. Wessels

**Master's degree completed**  
**Magistergraad afgehandel**

HARSANT, Angelique May

THE CRISIS OF THE NATION-STATE: A EVALUATION AND RECONSTRUCTION OF THE PERSPECTIVES OF ALVIN TOFFLER. Supervisor: Prof. A. Duvenhage

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**Chapters in books**  
**Hoofstukke in boeke**

VAN DEN BERG, H.S.  
Maartens, M. (ed.). Die groot huweliksboek [The great book of marriage]. Pretoria, 2003:38-39; 149-150; 249; 311-318;393-398.

**Conference presentations**  
**Konferensievoordragte**

LOUW, A.E.  
Children's competency and credibility as witnesses. Conference on a Multidisciplinary Approach to Child Abuse (Department of Social Work, University of the Free State) in Bloemfontein from 8 - 11 April 2003.

NAUDÉ, L.  
Extending the boundaries of learning beyond the classroom: A service learning experience in the South African context. 6<sup>th</sup> ALARPM and 10<sup>th</sup> PAR World Conference in Pretoria from 21-24 September 2003.

NAUDÉ, L.  
Opening our minds to diversity: A service learning experience in the South African context. 23<sup>rd</sup> Annual Alliance Conference (Adult Higher Education Alliance) in Asheville, North Carolina from 8-11 October 2003.

ODENDAAL, D.C.  
Workshop in private practice management for psychologists in South Africa. 9<sup>th</sup> National PsySSA Conference in Johannesburg from 22-26 September 2003.

VAN DEN BERG, H.S.  
Career women and stress: A fortigenic perspective. 2<sup>nd</sup> South African Wellness Conference in Port Elizabeth from 3-7 March 2003.

VAN DEN BERG, H.S., PRETORIUS, C.  
Psychosocial predictors of substance abuse in adolescents. 9<sup>th</sup> National PsySSA Conference in Johannesburg from 22-26 September 2003.

VAN DEN BERG, H.S.  
The impact of a 24-hour Trauma Helpline on the personal and professional development of student psychologists. 9<sup>th</sup> National PsySSA Conference in Johannesburg from 22-26 September 2003.

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

HUYSAMEN, G.K.

Optimalisering van die omskakeling van matrieksimbole vir universiteitstoelatingsvereistes [Optimisation of the conversion of matriculation symbols for university admission purposes]. *South African Journal of Education* 2003;23(1):45-51.

HEYNS, P.M., VENTER, H.J., ESTERHUYSE, K.G., BAM, R.H., ODENDAAL, D.C.

Nursing care for patients with Alzheimer's disease: Their strengths and risk of burnout. *South African Journal of Psychology* 2003;33(2):80-85.

LE ROUX, A.

'n Kruiskulturele ondersoek na Christelike moraliteit onder universiteitstudente [A cross cultural investigation of Christian morality among university students]. *Acta Theologica*. 2003; 23(2):146-166.

LOUW, A.E.

Die standaard benadering in die assessering van seksuele molestering [The standards approach in the assessment of sexual abuse]. *Social Work Practitioner Researcher* 2003;15(3):323-343.

LOUW, D.A., VENTER, A., VERSCHOOR, T.

Perception and memory: implications for eyewitness testimony. *South African Journal of Criminal Justice* 2003;16(2):137-162.

PRETORIUS, C., VAN DEN BERG, H.S., LOUW, D.A.

Psychosocial predictors of substance abuse among adolescents. *Acta Criminologica* 2003;16(4):1-11.

SCHOEMAN, R., LOUW, D.A.

Moderator variables in neuropsychological assessment. *Medical Technology SA* 2003;17(1):407-408

SCHOEMAN, R., LOUW, D.A.

Neuropsychological assessment versus neuro-imaging in the diagnosis of cerebral lesions: An explorative study. *Medical Technology SA* 2003;17(2):386-392

WALKER, S.P., LOUW, D.A.

The South African court for sexual offences. *International Journal of Law and Psychiatry*, 2003;26:73-85.

**Editorships/co-editorships**  
**Redakteurs/mederedakteurs**

ESTERHUYSE, K.G.

Member of editorial committee: *Acta Academica*.

**Awards/Prizes of international conferences**  
**Toekening/Pryse ontvang by Internasionale konferensies**

NAUDÉ, L.

Adult Higher Education Alliance (AHEA) Annual Conference, 8-11 October 2003. AHEA international professional award.

**Doctor's degree completed**  
**Doktorsgraad afgehandel**

BRAND, Albertus

DIE INTRAPSIGIESE FUNKSIONERING VAN DIE KIND MET ASMA IN DIE MIDDELKINDERJARE/  
THE INTRAPSYCHIC FUNCTIONING OF THE CHILD WITH ASTHMA IN THE MID-CHILDHOOD  
YEARS. PROMOTER: Dr. R.B.I. Beukes



CUYLER-GREEFF, Chanell  
THE ROLE OF STEPSIBLINGS IN ADOLESCENTS' ADJUSTMENT TO RECONSTITUTED FAMILIES.  
Supervisor: Dr A.A. Grobler

DELPORT, Melani  
DIE VERBAND TUSSEN STRESSORE, HULPBRONNE VIR COPING EN OPTIMISME BY DIE STEDELIKE ADOLESCENT/THE RELATION BETWEEN STRESSORS, RESOURCES FOR COPING AND OPTIMISM IN URBAN ADOLESCENTS. Studieleier/Supervisor: Dr. H.S. Van Den Berg

DIEDERICKS, Juané  
UNIVERSITY STUDENTS' BELIEF IN 'RAPE MYTHS': A CROSS-CULTURAL STUDY. Supervisor: Dr. H.S. van den Berg Co-Supervisor: Prof. G.K. Huysamen

ERASMUS, Marliaan  
DIE VERBAND TUSSEN TYDSPERSPEKTIEF EN MIV/VIGS-RISIKO ONDER UNIVERSITEITSTUDENTE/THE RELATION BETWEEN TIME PERSPECTIVE AND HIV/AIDS RISK AMONG UNIVERSITY STUDENTS. Studieleier/Supervisor: Dr A.A. Grobler Medestudieleier/Co-Supervisor: Prof W. Lens

JORDAAN, Jacques  
MORALITEIT AS VOORSPELLER VAN EENSAAMHEID BY ADOLESCENTE: 'N KRUIKULTURELE STUDIE/MORALITY AS PREDICTOR OF LONELINESS IN ADOLESCENTS: A CROSS-CULTURAL STUDY. Studieleier/Supervisor: Prof. A. le Roux

KRUGER, Pieter  
PSIGOLOGIESE VAARDIGHEDE EN SPORTPRESTASIE BY SUID-AFRIKAANSE SUPER 12-RUGBYSPELERS/PSYCHOLOGICAL SKILLS AND SPORT PERFORMANCE IN SOUTH AFRICAN SUPER 12 RUGBY PLAYERS. Cum laude Studieleier/Supervisor: Mnr/Mr D.C. Odendaal Medestudieleier/Co-Supervisor: Mnr/Mr A. Markgraaf

LOUWRENS, Louise Diederichs  
ONDERRIGMEDIUM AS MODERATOR IN DIE VERBAND TUSSEN INTELLIGENSIEKWOSIËNTEN AKADEMIESE PRESTASIE/TEACHING MEDIUM AS MODERATOR IN THE RELATION BETWEEN INTELLIGENCE QUOTIENT AND ACADEMIC PERFORMANCE. Studieleier/Supervisor: Dr. R.B.I. Beukes Medestudieleier/Co-Supervisor: Dr. K.G.F. Esterhuyse

RAPAPALI, Thabiso Isaac  
PERPETRATORS' PERCEPTIONS CONCERNING THE SEXUAL ABUSE OF CHILDREN. Supervisor: Dr. A.E. Louw

VAN DER MERWE, Johanna Sarolien  
DIE VERBAND TUSSEN INTERPERSOONLIKE FORTALITEIT EN WEERSTAND TEEN POSTTRAUMATIESE STRESSIMPTOME BY KINDERHUIS KINDERS/THE RELATION BETWEEN INTERPERSONAL FORTITUDE AND RESISTANCE TO POST-TRAUMATIC STRESS SYMPTOMS IN CHILDREN'S HOME CHILDREN. Cum laude Studieleier/Supervisor: Dr H.S. van Den Berg

VAN STADEN, Anna Martina  
DIE VERBAND TUSSEN DEELNAME AAN EKSTRAKURRIKULÊRE AKTIWITEITE EN PSIGIESE WELSTAND TYDENS ADOLESSENSIE/THE RELATION BETWEEN PARTICIPATION IN EXTRACURRICULAR ACTIVITIES AND PSYCHIC WELL-BEING DURING ADOLESCENCE. Studieleier/Supervisor: Dr A.A. Grobler

VENTER, Hilda  
DIE LEWENSKWALITEIT VAN VERPLEEGKUNDIGE VERSORGERE VAN ALZHEIMER-PASIËNTE/THE QUALITY OF LIFE OF NURSES CARING FOR ALZHEIMER'S PATIENTS. Studieleier: Prof. P.M. Heyns

VILJOEN, Gian  
WYSHEID AS PSIGOFORTIGENE KONSTRUK IN DIE VERSORGING VAN PASIËNTE MET ALZHEIMER SE SIEKTE/WISDOM AS PSYCHO-FORTIFYING CONSTRUCT IN CARING FOR

PATIENTS WITH ALZHEIMER'S DISEASE. Cum laude. Studieleier/Supervisor: Mnr/Mr J.C. Potgieter  
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**Conference Presentations**  
**Konferensievoordragte**

BADENHORST, M.G.

Die rol en funksie van humor in individuele psigoterapie. Vrystaat-streek: Junie 2003.

BADENHORST, M.G.

The Vicious Cycle of Drug Abuse. Simposium, Vrystaatse Onderwysdepartement: 28-29 Mei 2003.

BADENHORST, M.G.

Streshantering en die invloed van stres op die adolessente diabeet. Streekkongres. Diabetes SA – Vrystaat-streek: 14 Maart 2003.

FERREIRA, A.E.

Die ontwikkeling van leesbegrip van leerders in die sekondêre skool. Vrystaatse Vereniging vir Remediërende en Ondersteuningsonderwysers: 12 Oktober 2003.

FERREIRA, A.E.

Aanvangsleesonderrig. Personeelontwikkeling: Roseview Primary School: 18 August 2003.

FERREIRA, A.E.

Emotions and Learning reconsidered: the emotional impact of learning disabilities. Tswelang School for Physically Disabled Learners: 25 August 2003.

KOTZÉ, C.J.

Substance abuse. Simposium, Vrystaatse Onderwysdepartement: 28-29 Mei 2003.

SWANEPOE, Z.I.

Resilience – mask or true factor? OVSA: Januarie 2003.

SWANEPOEL, Z.I.

Custody of children in Divorce. CPD-presentation. UOVS: Maart 2003.

SWANEPOEL, Z.I.

Reconciliation within the family after the loss of a child. TCF National Conference. Bloemfontein: September 2003.

VAN ZYL, E.

Die toets van skoolgereedheid by vyf- en sesjarige kinders. Werkswinkel aangebied. Universiteit van die Vrystaat: 18 Oktober 2003.

**Doctor's degree completed**  
**Doktorsgraad afgehandel**

KOEN, Magaretha Paulina

DIE OPSTEL EN EVALUERING VAN 'N LEES- EN SPELPROGRAM VIR SESOTHO-SPREKENDE GRAAD 1-LEERDERS/COMPILING AND EVALUATING A READING AND SPELLING PROGRAMME FOR SESOTHO-SPEAKING GRADE 1 LEARNERS. PROMOTER: Prof C.J. Kotzé CO-PROMOTERS: Dr. K.G.F Esterhuysen Dr. G.S. Kotzé

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**Chapters in books**  
**Hoofstukke in boeke**

PELSER, A.J.

Migration in South Africa: A profile of patterns, trends, and impacts. In Adler, L.L. & Gielen, U.P. (eds.) 2003. Migration: Immigration and emigration in international perspective. London: Praeger.

**Conference proceedings**  
**Konferensiehandelinge**

VAN RENSBURG, L.D., GROENEWALD, D.C., BOTHA, J.J., ANDERSON, J.J., VAN STADEN, P.P., KUNDHLANDE, G.

The development and evaluation of a physical model for the communication of new crop production techniques to communal farmers. In Beukes, D., De Villiers M., Mkhize, H.S. & Van Rensburg, L. (eds.) 2003. Proceedings of the Symposium and Workshop on Water Conservation Technologies for Sustainable Dryland Agriculture in sub-Saharan Africa (WCT):239-244.

BOTHA, J.J., VAN RENSBURG, L.D., ANDERSON, J.J., KUNDHLANDE, G., GROENEWALD, D.C., ACHELI, M.

Application of in-field rainwater harvesting in rural villages in semi-arid areas of South Africa. In Beukes, D., De Villiers M., Mkhize, H.S. & Van Rensburg, L. (eds.) 2003. Proceedings of the Symposium and Workshop on Water Conservation Technologies for Sustainable Dryland Agriculture in sub-Saharan Africa (WCT):25-32. Pretoria: ARC 2003. ISBN 1-86849-275-3.

BOTHA, J.J., VAN RENSBURG, L.D., ANDERSON, J.J., HENSLEY, M., MACHELI, M., VAN STADEN, P.P., KUNDHLANDE, G., GROENEWALD, D.C., BAIPHETI, M.N.

Water conservation techniques on small plots in semi-arid areas to enhance rainfall use efficiency, food security, and sustainable crop production. WRC Report no. 1176/1/03. ISBN: 1 86845 314 6.

VAN RENSBURG, L.D., GROENEWALD, D.C., BOTHA, J.J., ANDERSON, J.J., VAN STADEN, P.P., KUNDHLANDE, G.

The development and evaluation of a physical model for the communication of new crop production techniques to communal farmers. In Beukes, D., De Villiers M., Mkhize, H.S. & Van Rensburg, L. (eds.) 2003. Proceedings of the Symposium and Workshop on Water Conservation Technologies for Sustainable Dryland Agriculture in sub-Saharan Africa (WCT):239-244.



**Local collaboration**  
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EON Solutions Africa  
National Housing Finance Corporation  
Urban Dynamics  
The Rewards Company  
Mangaung Local Municipality  
Department of Labour (Free State)  
Free State Youth Commission  
Chief Directorate: Population & Development, Department of Social Development  
Nasionale Museum  
Free State Environmental Consortium

PRETORIUS, E.  
Executive Development Of Senior Women In South African Higher Education Institutions (The Committee of Technikon Principals (CTP).

**Membership of Professional and Scientific Associations**  
**Lidmaatskap van Professionele en Wetenskaplike Verenigings**

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**Books  
Boeke**

CUVELIER, P., DU PLESSIS, L.T., TECK, L.  
Multilingualism, Education and Social Integration. Pretoria: Van Schaik Publishers. ISBN 0-627-02548-X.

VAN WYK, G.J.(Technical editor),  
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Etimologiese Woordeboek van Afrikaans [Etymological Dictionary of Afrikaans]. Stellenbosch: Bureau of the WAT. ISBN 0-9584401-3-1. Also on CD Rom. Bureau of the WAT and Van Schaik Electronic. ISBN 0-9584401-6-6.

**Chapters in books  
Hoofstukke in boeke**

DU PLESSIS, L.T.  
Multilingualism and language-in-education-policy in South Africa – a historical overview. P. Cuvelier, T. du Plessis, L. Teck (Eds). Multilingualism, Education and Social Integration. Pretoria: Van Schaik Publishers. ISBN 0-627-02548-X.

CUVELIER, P., DU PLESSIS, L.T., TECK, L.  
Introduction. P. Cuvelier, T. du Plessis, L. Teck (Eds). Multilingualism, Education and Social Integration. Pretoria: Van Schaik Publishers. ISBN 0-627-02548-X.

LUBBE, H.J.  
Aardig in Afrikaans en Nederlands – ‘n diachroniese beskrywing van die betekenisverskille [Aardig in Afrikaans and Dutch – a diachronic description of the semantic differences]. Botha, Willem (ed.). ‘n Man wat beur – huldigingsbundel vir Dirk van Schalkwyk. Stellenbosch: Bureau of the WAT. ISBN 0-9584401-4-x. 255-267.

**Conference proceedings  
Konferensiehandelinge**

DU PLESSIS, L.T.  
Multilingualism and language-in-education-policy in South Africa – a historical overview. P. Cuvelier, T. du Plessis, L. Teck (Eds). Multilingualism, Education and Social Integration. Pretoria: Van Schaik Publishers. ISBN 0-627-02548-X.

CUVELIER, P., DU PLESSIS, L.T., TECK, L.  
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**Conference presentations**  
**Konferensievoordragte**

BOTHA, S.

Telephone interpreting as a mechanism for facilitating bilingual/multilingual service delivery in state departments in South Africa. A case study of TISSA. 4<sup>th</sup> International Symposium on Bilingualism, Arizona State University, United States of America, 30 April – 3 May 2003.

DU PLESSIS, L.T.

The politics of bilingual number plates in South Africa. Paper delivered at the 5<sup>th</sup> International Symposium on Bilingualism, Arizona State University, Phoenix, Arizona, 30 April - 3 May, 2003.

DU PLESSIS, L.T.

Colloquium on Language Policy at Historically Afrikaans Universities, Linguistic Society of Southern Africa, 2 July 2003, Rand Afrikaans University. Organiser.

DU PLESSIS, L.T.

Pleknaamsveranderinge in Israel en Suid-Afrika – 'n vergelykende studie. [Name-place changes in Israel and South Africa – a comparative study]. Paper delivered at SASNES Conference, near Eastern Studies and Africa and other themes, annual conference, University of the Free State, 1-4 September 2003.

LUBBE, H.J.

'n Analise van die rapportering van die WVK-verhoor van die Guguletu 7-saak in die Suid-Afrikaanse pers [An analysis of the reportage of the TRC hearing of the Guguletu 7 case in the South African press] at the colloquium "TRC and its context: histories in discourse", University of the Free State, 24 April 2003.

LUBBE, H.J.

Vergelykende analise van die rapportering van die Guguletu 7-gebeure in onderskeidelik 1986 en 1997 in die Suid-Afrikaanse pers [Comparative analysis of the reportage of the Guguletu 7 events in 1986 and 1997 respectively in the South African press] at the Bilateral scientific and technical co-operation workshop on "The Guguletu 7-hearings", University of Antwerp, Belgium, 27-28 November 2003.

**Research articles in accredited research journals**

**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

AKACH, P., LUBBE, H.J.

The giving of personal names in spoken languages and Sign Language – a comparison. *Acta Academica Supplementum* 2003;2:104-128.

DU PLESSIS, L.T.

Taalbeleid aan universiteite in Suid-Afrika. [Language policy at universities in South Africa.] *Acta Academica Supplementum*. 2003;2:58-82.

ERAMSUS, M.A.

Community-based interpreting in South African health services. In *Acta Academica Supplementum* 2003(2). Volume theme: Applied Multilingualism: A Multidisciplinary Perspective on a South African Challenge 2003;2:168-184.

LUBBE, H.J.

Ideology and multilingual education policy [Ideologie en meertalige onderwysbeleid]. *Tydskrif vir Christelike Wetenskap* (1<sup>ste</sup> en 2<sup>de</sup> kwartaal) 2003;39:115-136.

LUBBE, H.J.

Van heilige tot ikon: die geskiedenis van die naamgewing van een van Bloemfontein se strate [From saint to icon: the history of the naming of one street in Bloemfontein]. *Nomina Africana* 2003;17(1):5-19.

SNYMAN, F.P.J., NAUDÉ, J.A.

The assessment of translation accuracy of the Lexica Machine Translation System. *Journal for Southern African Linguistics and Applied Language Studies*. 2003;21(4):295-306.

TRUTER, E.J.J.

Ontleding van die reaksies op taalbesluite van die SAUK in die media (1994-1996). [An analysis on the responses to the language decisions of the SABC (1994-1996) in the media]. *Acta Academica Supplementum* 2003;2:32-58.

#### **Book and other reviews**

#### **Boek- en ander resensies**

DU PLESSIS, L.T.

Review. Mesthrie, R. (Ed.) 2003. *Language in South Africa*. Cambridge: Cambridge University Press. *Language Policy* 2003;2(2):208-213.

#### **Editorships/co-editorships**

#### **Redakteurs/mederedakteurs**

DU PLESSIS, L.T.

Editor of Van Schaik series: *Studies in Language Policy in South Africa*.

DU PLESSIS, L.T.

Editorial associate of Swets & Zeitlinger series: *Multilingualism and Linguistic Diversity*.

#### **Highlights from research findings**

#### **Glanspunte in navorsingsbevindinge**

BOTHA, S.

2003. Telephone interpreting as a mechanism for facilitating bilingual/multilingual service delivery in state departments in South Africa. A case study of TISSA.

South Africa's decision in favour of an eleven-language dispensation, although politically inspired was indeed a brave decision. Up till recently the ANC government has not really shown much commitment to the actual implementation of the provisions of the Constitution concerning multilingualism. Perhaps the most exciting outcome of all actions of Government has been the establishment of TISSA (Telephone Interpreting Service for South Africa). TISSA has proved itself a viable concept to address language barriers. This research shows how TISSA has developed in its pilot phase, the positive and the negative factors, and why it could be seen as a viable option in the quest for multilingualism.

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DE FOGLIO, F.

The effectiveness of a corpus-based machine translation prototype as an aid to improve the speed and consistency in translation processes in a multilingual South Africa.

At present the outdated rule-based machine translation system provided by Epi-Use is the sole machine translation software in the country developed for automatic translation in ten language combinations (4 South African and 6 European). The Unit for Language Facilitation (UFS) acquired the system in 2000, but after due tests the researcher and research team at the University have concluded that the system is not sufficiently accurate for market distribution. The average accuracy rate of 45% to 50% is too low to make it worthwhile for every end-user in the post-editing process and for the timeframes involved in post-editing. The average minimum accuracy rate for every MT system should be 75%, leaving a 25% margin for post-editing, which is normal for any MT system that aims to cut costs and time (by 50%) in every translation process.

After researching the translation kernel of the Epi-Use system in collaboration with the Department of Computer Sciences, the researcher and his colleagues concluded that the system could be improved no further. At the end of 2002 the researcher developed a new system based on studies and discussions with role-players in Antwerp (Belgium) on modern international approaches for MT, aimed at high-quality output, namely the **corpus-based approach**.

The necessity of machine translation research is thus encouraged in order to develop effective local systems that can accelerate processes in translation (which will be limited only to post-editing activity at a 50% time saving) and consequently cut costs.

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DU PLESSIS, L.T.

Taalbeleidsontwikkeling in Suid-Afrika

'n Kritiese ontleding is gemaak van taalbeleidsontwikkeling in Suid-Afrika sedert 1994 teen die agtergrond vir Schiffman (1995) se teorie van taalbeleidskongruensie. Hierdie teorie probeer 'n verklaring gee van die rede waarom daar oënskynlik 'n diskrepansie bestaan tussen taalbeleid en taalpraktyk. Wat die teorie suggereer, is dat daar in werklikheid nie so 'n diskrepansie voorkom nie, maar dat 'n andersoortige relasie bestaan tussen werklike taalpraktyk en werklike taalbeleid, met ander woorde die beleid wat nie op papier staan nie, die sogenaamde kovertte beleid. Daar is vasgestel dat kovertte beleid in Suid-Afrika in werklikheid kongruer met die sosiolinguistiese realiteit. Dit kom daarop neer dat die taalbeleid wat formeel in Suid-Afrika op papier staan in werklikheid nie tred hou met die taalbeleid wat op grondvlak bestaan nie. Voorbeelde van taalbeleid op grondvlak is die feit dat Engels die taal van sosiale mobilisasie is onder die meerderheid Suid-Afrikaaners en dat hulle heeltemal tevrede met so 'n toedrag van sake is en daarom byvoorbeeld hulle kinders in Engelsmedium skole plaas. Die taalbeleid, van Suid-Afrika daarenteen, veronderstel sosiale mobilisering via die inheemse tale en Afrikaans. Hierdie skynbare diskrepans bestaan uiteindelik net met betrekking tot Afrikaans en nie by die Afrikatale nie. Die taalpraktyk in die Afrikataalgemeenskappe korreleer met die taalbeleid op die grond in die Afrikagemeenskappe. Die insigte verkry uit hierdie teorie bring mee dat daar met ander oë gekyk moet word na taalbeleidsimplementering in Suid-Afrika. Die beleidsimplementeringsproses wat tans op hande is onder inisiatief van die National Language Policy Framework steun swaar op 'n "top down"-benadering. Dit wat in die vooruitsig gestel word in die National Language Policy Framework hou in werklikheid nie tred met die beleidspraktyke op grondvlak nie, buiten in die geval van die Afrikaanse spraakgemeenskap. Verdere ondersoek hieroor sal gedoen moet word.

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LUBBE, H.J.

Ideology and multilingual education policy

In South Africa provision is officially made for multilingual education. In practice, the mother tongue, in particular of black learners, is as soon as possible replaced by English. An important reason for this is the ideological tension between assimilatory and pluralistic approaches concerning linguistic and cultural variety. Because ideology motivate the decisions of policy makers in education, proponents of mother tongue education, whose thoughts are likewise ideologically coloured, would have a difficult task changing the status quo.

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SNYMAN, F.P.J.

Development of an example-based machine translation system for SA Languages.

The objective of this project is to develop computer translation software that translates from any official South African language into any other official South African language. The development of the computer translation software combines example-based machine translation (EBMT) with machine translation. An EBMT system uses translation pairs which are grouped in a bilingual corpus of texts. This development implies a continuous compilation and update of a corpus of texts.

During 2003 the user interfaces of the translation software have been developed in the three major languages of the Free State Province, i.e. English, Afrikaans and Sesotho. The user of the programme will thus be able to choose his/her choice of language when translating with the programme.

The language pairs which were developed during 2003 are the English to Afrikaans and Afrikaans to English language pair. The bilingual dictionary (English-Afrikaans/Afrikaans-English) of the translation software was also restructured and the format was changed to a much simpler format in order to decrease the size of the file to improve the running time of the programme. The development team of this translation software also worked manually through the entire dictionary in order to remove terms deemed unnecessary or incorrect.

The terminology management part of the programme was also completed. Users will be able to search, add

and delete terms. The “Analysis of Translation” feature has also been completed. This analysis is very useful during translation, as the user is able to see exactly how many words were translated by the machine, as well as the percentage of words that were unknown.

The next step in the development of this translation software is to develop the English-Sesotho language pair, which implies the building of a Sesotho-English bilingual corpus. This will also entail the development of the Sesotho-English dictionary.

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**TRUTER, E.J.J.**

The development of the language policy in the educational system under the Union government, 1652-1961.

Language-as-a-problem is usually viewed as a twentieth century problem after colonial domination, but it was already a problem in South Africa at the beginning of the nineteenth century. Under the Union government the language that benefited most was usually the language that dominated the political order to the detriment of the other language. As a minority language Afrikaans fought an uphill battle against the “English linguistic imperialism” for equal recognition in the school system.

The history of language planning in particular under the Union government in both the white and black school systems which functioned separately, centered mainly around the status of the two languages, Afrikaans and English. In the black school system factors not necessarily pertaining to education, determined the language policy.

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**International collaboration**

**Internasionale samewerking**

**BELGIUM**

University of Antwerp

Vakgroep Germaanse Tale

**ISRAEL**

University Bar-Ilan

Centre for Language Policy

**USA**

University Pennsylvania

Consortium for Language Policy and Planning

**Local collaboration**

**Plaaslike samewerking**

University of Pretoria

Department of Afrikaans

University of the North

Department of Linguistics

University of Cape Town

PRAESA

Province of the Free State

Office of the Premier

Department of Local Government and Housing

Legislature

Department of Arts and Culture  
National Language Service

Pan South African Language Board

ATKV

Motheo District Municipality

Mangaung Local Municipality

**Membership of Professional and Scientific Associations  
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BOTHA, S.

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DU PLESSIS, L.T.

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**Doctor's degree completed**

**Doktorsgraad afgehandel**

MATU, Peter Maina

A CRITICAL DISCOURSE ANALYSIS OF NEWSPAPER REPORTING OF THE RUN-UP TO THE 1997  
KENYAN GENERAL ELECTION. PROMOTER: Prof. H.J. Lubbe

**Master's degree completed**

**Magistergraad afgehandel**

DE KLERK, Nicolene Lynette

SIGNED/SPOKEN LANGUAGE AS A CRITERION OF SCHOOL READINESS AMONG DEAF PRE-  
SCHOOLERS. Supervisor: Mr P.A.O. Akach Co-Supervisor: Prof. D. Aarons

LIEBENBERG, Liezl

DIE BEPALING VAN TOLKAKKURAATHEID IN SIMULTANE TOLKING BY DIE VRYSTAATSE  
WETGEWER/DETERMINING INTERPRETING ACCURACY IN SIMULTANEOUS  
INTERPRETING AT THE FREE STATE LEGISLATURE. Cum laude. Studieleier/Supervisor: Dr. A.  
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**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

VAN ZYL, H.C.

Wat moet ons as Christene nog glo? outstanding Persoonlike verantwoording. [What should we as Christians still believe? A personal account]. Nederduitse Gereformeerde Teologiese Tydskrif 2003; 44(1&2):185-198.

**Editorships/co-editorships**  
**Redakteurs/mederedakteurs**

VAN ZYL, H.C.

Lid van die redaksionele komitee van die Bybelgenootskap van Suid-Afrika met die oog op die Afrikaanse vertaling van die Bybel vir dowes/Member of the editorial committee of the Bible Society of South Africa with a view to the Afrikaans translation of the Bible for the deaf.

VAN ZYL, H.C.

Lid van die Redaksie- en Keurkomitee/Member of the Editorial and Referee Committee: Verbum et Ecclesia.

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**Conference presentations**  
**Konferensievoordragte**

PIENAAR, D.N.

Argeologie en die boeke Josua en Rigters Kongres van SAVNOS, Universiteit van die Vrystaat, 1-2 September 2003/ Archaeology and the books of Josua and Judges. Conference of SASNES, University of the Free State, 1-2 September 2003.

PIENAAR, D.N.

Die negende eeu v.C. se argeologie en die Noordryk van Israel, Bybelse-Argeologiese simposium te Universiteit Stellenbosch, 1 Oktober 2003/ The archaeology of the 9<sup>th</sup> Century B.C. and Northern Israel. Biblical-Archaeological symposium at the University of Stellenbosch, 1 October 2003.

RIEKERT, S.J.P.K.

Johannine studies and historical studies: The case of grammatical case in the text of Revelations 4 and 5. NTSSA congress held at University of Natal, Pietermaritzburg, 22-25 April 2003.

RIEKERT, S.J.P.K.

The link between ancient Egyptian religion and early Christianity, Congress of the ASRSA, University of Botswana, Gaborone, 27-29 August 2003.

RIEKERT, S.J.P.K.

In search of the text of Micha 6:9-16. Arguing the case to go behind the MT and LXX, OTSSA Conference held at the University of the Free State, Bloemfontein, 2-4 September 2003.

**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

RIEKERT, S.J.P.K.

Grammatical case in the text of Revelation 4 and 5. *Acta Theologica* 2003;23(2):183-200.

**Book and other reviews**  
**Boek- en ander resensies**

RIEKERT, S.J.P.K.

The Septuagint of Proverbs. Jewish and/or Hellenistic Proverbs? Concerning the Hellenistic colouring of LXX Proverbs. Johann Cook, 1997. Supplements to *Vetus Testamentum* 69, Leiden, Brill. *Old Testament Essays*.

RIEKERT, S.J.P.K.

Der Text der Hebräischen Bibel. *Handbuch der Textkritik. Tov. E.*, 1997, Stuttgart, *Old Testament Essays*.

**Membership of Professional and Scientific Associations**  
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**Research articles in accredited research journals  
Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

BRITZ, R.M.

outstanding (N.G.) Gemeente in “Het kamp te Bloemfontein” gedurende die Anglo-Boereoorlog 1900-1903 [A (Dutch Reformed) congregation in “the camp at Bloemfontein” during the Anglo-Boer War]. *Acta Theologica* 2003;23(1):1-23.

D'ASSONVILLE, V.E.

Woordverkondiging by Calvin – enkele implikasies vir die opbou van die kerk in Afrika [The kerygma of the Word according to Calvin – a few implications for church growth in Africa]. *Nederduitse Gereformeerde Teologiese Tydskrif* 2003;44(3&4):266-275.

D'ASSONVILLE, V.E.

Die Vrede van Münster/Westfale en die betekenis daarvan vir die vestiging van die gereformeerde godsdiens aan die Kaap [The significance of the peace of Münster and the peace of Westphalia and the founding of the reformed religion at the Cape of Good Hope]. *Acta Theologica* 2003;23(2):12-25.

D'ASSONVILLE, V.E.

The angle of incidence of Paul Roux's catechism – a study on the theology of a French refugee at the Cape. *Acta Theologica* 2003;23(2):26-42.

LUBBE, J.

Van waar, Gehasi? outstanding Kerkhistoriese perspektief op die “Nuwe Hervorming” in/en die NG Kerk [Where do you come from so unexpectedly, Gehazi? A church-historical perspective on the “New Reformation” in/and the Dutch Reformed Church]. *Nederduitse Gereformeerde Teologiese Tydskrif* 2003;44(3&4):378-398.

STRAUSS, P.J.

Kerk, koerant en die kwessie van nuus. Toegepas op die Rapport-berig oor huise van NG Welsyn Vrystaat vir predikante [Church, newspapers and the issue of news]. *Acta Theologica* 2003;23(2):220-238.

**Doctor's degree completed  
Doktorsgraad afgehandel**

CELLIERS, Albertus

SKRIF EN KERKORDE – ENKELE KONSTANTES VANUIT' outstanding VEELKANTIGE BEELD/  
SCRIPTURE AND CHURCH ORDER – SOME CONSTANTS FROM A MANY-FACETED IMAGE.  
PROMOTOR/PROMOTER: Prof. P.J. Strauss MEDEPROMOTOR/CO-PROMOTOR: Prof. D.F. Tolmie.

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**Research articles in accredited research journals**  
**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

VERSTER, P.

Aktiewe gemeente betrokkeheid by die missionêre diakonaat -outstanding ondersoek in outstanding gemeente van die NGKA in Mangaung [Active involvement of a congregation in the missionary service to those in need – research in a congregation of the DRCA in Mangaung]. *Acta Theologica* 2003;23(2):254-267.

VAN DER WATT, G.

Die Sendingpraktiek van die Ned Geref Kerk: Enkele tendense vanaf 1952 tot met die eeuwenteling [Practical mission of the Dutch Reformed Church: Some tendencies since 1952]. *Skrif en Kerk - Verbum et Ecclesia* 2003;24(1):213-231.

VERSTER, P.

Sending in gebrokenheid: outstanding Perspektief op Paulus [Mission in humility: a perspective on Paul]. *Tydskrif vir Christelike Wetenskappe* 2003;39(3&4):161-174.

**Artistic works/presentations**  
**Artistieke aanbiedinge**

VERSTER, P.

Gedigte  
Gloria Christus *Litnet* <http://www.mweb.co.za/litnet/poesie>

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**Conference presentations**  
**Konferensievoordragte**

TOLMIE, D.F.

The rhetorical analysis of the Letter to the Galatians. Faculty of Divinity. K.U. Leuven. 13 June 2003.

DE VILLIERS, P.G.R.

Spirituality in and of the Book of Revelation. A case study on the changing nature and ethos of New Testament as a discipline. Jaarvergadering van die Nuwe-Testamentiese Werkgemeenskap van Suid-Afrika/Annual meeting of the New Testament Society of South Africa. Universiteit van Natal, Pietermaritzburg. 25 April 2003.

DE VILLIERS, P.G.R.

Interpreting Revelation in the new millennium. Fakulteit Teologie, Universiteit Stellenbosch/Faculty of Theology, University of Stellenbosch. 16 Mei 2003.

DE VILLIERS, P.G.R.

Die Bybel en geweld. F.C. Fensham-Gedenklesing, Universiteit Stellenbosch/F.C. Fensham Memorial Lecture, University of Stellenbosch. 23 September 2003.

DE VILLIERS, P.G.R.

Die opstanding in die vroeë Christendom. Jaarvergadering van die Suid-Afrikaanse Vereniging vir Patristiese en Bisantynse Studies/Annual Meeting of the South African Society for Patristic and Byzantine Studies, Johannesburg. 24 November 2003.

DE VILLIERS, P.G.R.

Obscure symbolism in pagan oracles and in the Book of Revelation. Conference on the changing face of Judaism, Christianity and other Greco-Roman religions in antiquity, McGill University, Montreal, Canada. 15 September 2003.

#### **Research articles in accredited research journals**

#### **Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

DE VILLIERS, P.G.R.

Faith, hope and love - A missionary perspective on three seminal motifs in 1 Thessalonians 1:3. *Acta Theologica* 2003;23(1):36-53.

DE VILLIERS, P.G.R.

History and religious experience in Biblical research. *Hervormde Teologiese Studies* 2003;59:693-714.

DE VILLIERS, P.G.R.

Religieuse ervaring as hermeneutiese beginsel in die interpretasie van Bybeltekste in die lig van die boek Openbaring. [Religious experience as hermeneutical principle in the interpretation of Biblical texts in the light of Revelation.] *Nederduitse Gereformeerde Teologiese Tydskrif* 2003;44(3&4):286-298.

DE VILLIERS, P.G.R.

Proclaiming the Gospel in Macedonia, Achaia and in every place. *Missions and 1 Thessalonians 1:6-8. Acta Theologica* 2003;23(2):43-57.

DE VILLIERS, P.G.R.

"Empty talk" in 1 Timothy in the light of its Graeco-Roman context. *Acta Partristica et Byzantina* 2003;14:325-344.

FREY, J.

The relevance of the Dead Sea scrolls for New Testament interpretation; with a bibliographical appendix. *Acta Theologica* 2003;23(2):86-116.

ITO, H.

Narrative temporality and Johannine symbolism. *Acta Theologica* 2003;23(2):117-135.

TOLMIE, D.F.

Die waarheid van die evangelie. Riglyne vir die prediking van Galasiërs 2:11-21. [The truth of the gospel. Guidelines for preaching Galatians 2:11-21]. *Nederduitse Gereformeerde Teologiese Tydskrif* 2003;44(1&2):161-170.

TOLMIE, D.F.

Paulus se retoriese strategie in Galasiërs 3:15-25 [Paul's rhetorical strategy in Galatians 3:15-25]. *Skrif en Kerk (Verbum Et Ecclesia)* 2003;24 (2):515-532.

TOLMIE, D.F.

Om te preek oor die opstanding van Christus. Eksegetiese en homiletiese riglyne vir die prediking van 1 Korinthiërs 15:1-11 [How does one preach on the resurrection of Christ? Exegetical and homiletical guidelines for preaching 1 Corinthians 15:1-11]. *Nederduitse Gereformeerde Teologiese Tydskrif* 2003;44(3&4):527-539.

TOLMIE, D.F.

Paul's rhetorical strategy in Galatians 5:13-6:10 (Part 1). *Ekklesiastikos Pharos* 2003;85(1&2):101-118.

TOLMIE, D.F.

Paul's rhetorical strategy in Galatians 5:13-6:10 (Part 2). *Ekklesiastikos Pharos* 2003;85(1&2):119-134.

VAN ZYL, H.C.

Wat moet ons as Christene nog glo? outstanding Persoonlike verantwoordings. [What should we as Christians still believe? A personal account.] *Nederduitse Gereformeerde Teologiese Tydskrif* 2003;44(1&2):185-198.

### **Editorships/co-editorships Redakteurs/mederedakteurs**

VAN ZYL, H.C.

Lid van die redaksionele komitee van die Bybelgenootskap van Suid-Afrika met die oog op die Afrikaanse vertaling van die Bybel vir doewes/Member of the editorial committee of the Bible Society of South Africa with a view to the Afrikaans translation of the Bible for the deaf.

VAN ZYL, H.C.

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VAN ZYL, H.C.

Mederedakteur/Associate editor: *Neotestamentica*.

TOLMIE, D.F.

Lid van die redaksionele komitee van die Bybelgenootskap van Suid-Afrika met die oog op die Afrikaanse vertaling van die Bybel vir doewes/Member of the editorial committee of the Bible Society of South Africa with a view to the Afrikaans translation of the Bible for the deaf.

TOLMIE, D.F.

Redakteur/Editor: *Acta Theologica*.

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DE VILLIERS, P.G.R.

Leefstyl-Bybel vir Vroue. 2003. Wellington: Lux Verbi (Redakteur Nuwe Testament; Editor New Testament).

DE VILLIERS, P.G.R.

Mede-redakteur/Associate editor: *Neotestamentica*.

### **Highlights from research findings Glanspunte in navorsingbevindinge**

Die departement het outstanding groot aantal wyduiteenlopende navorsingsuitsette gelewer wat breedweg gesproke almal te doen het met verskillende fasette van die verstaan van die teks van die Nuwe Testament. Spesifieke aspekte wat aandag gekry het, is die Historiese Jesus-vraagstuk; die interpretasie van individuele Nuwe-Testamentiese geskryfte (Openbaring, Galasiërs, 1 Tessalonisense en die Johannesevangelie) asook linguïstiese aspekte van tekste./ The department produced a large variety of research outputs which could broadly be classified as focusing on various facets of interpretation of the text of the New Testament. Specific issues that were addressed that may

be highlighted are the Quest for the Historical Jesus, the interpretation of individual New Testament writings (Revelations, Galatians, 1 Thessalonians and the Gospel according to John) as well as linguistic aspects of texts.

#### **Local collaboration**

##### **Plaaslike samewerking**

TOLMIE, D.F.

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#### **Membership of Professional and Scientific Associations**

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##### **Doktorsgraad afgehandel**

NTHUPING, Michael

THE CHARACTERISATION OF PONTIUS PILATE IN THE FOUR GOSPELS. PROMOTER: Prof. D.F. Tolmie.

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**Navorsingsartikels in geakkrediteerde navorsingstydskrifte**

FISCHER, S.

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