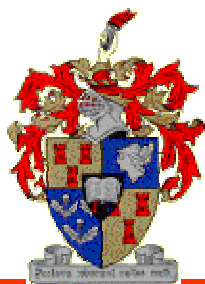


# Research Report 1996



**UNIVERSITEIT VAN STELLENBOSCH  
UNIVERSITY OF STELLENBOSCH**

# Navorsing- verslag 1996

## INHOUDSOPGAWE / TABLE OF CONTENTS

	Bladsye / Pages
VOORWOORD / FOREWORD	i
GIDS TOT KATEGORIEË GEBRUIK / GUIDE TO CATEGORIES USED	ii-iii
FAKULTEIT LETTERE EN WYSBEGEERTE / FACULTY OF ARTS	1-74
FAKULTEIT NATUURWETENSAPPE / FACULTY OF SCIENCE	75-122
FAKULTEIT OPVOEDKUNDE / FACULTY OF EDUCATION	123-141
FAKULTEIT LANDBOUWETENSAPPE / FACULTY OF AGRICULTURAL SCIENCE	142-188
FAKULTEIT REGSGELEERDHEID / FACULTY OF LAW	189-196
FAKULTEIT TEOLOGIE / FACULTY OF THEOLOGY	197-212
FAKULTEIT EKONOMIESE EN BESTUURWETENSAPPE / FACULTY OF ECONOMIC AND MANAGEMENT SCIENCES	213-242
FAKULTEIT INGENIEURSWESE / FACULTY OF ENGINEERING	243-284
FAKULTEIT GENEESKUNDE / FACULTY OF MEDICINE	285-396
FAKULTEIT BOSBOU / FACULTY OF FORESTRY	397-404
FAKULTEIT KRYGSKUNDE / FACULTY OF MILITARY SCIENCE	405-408
FAKULTEIT TANDHEELKUNDE / FACULTY OF DENTISTRY	409-423

Redakteur / Editor: E Pretorius  
Direkteur: Navorsing (Natuurwetenskappe) / Director: Research (Science)  
Universiteit van Stellenbosch / University of Stellenbosch  
Stellenbosch  
7602

ISBN 0-7972-0654-X

## VOORWOORD

Die jaarlikse publikasie van die Navorsingsverslag van die Universiteit het onder andere ten doel om 'n oorsig te bied oor alle navorsingsuitsette wat in die betrokke verslagjaar binne die akademiese omgewings aan die US gelewer is. Benewens hierdie oorkoepelende perspektief op navorsing word jaarliks ook ander perspektiewe op navorsing in fakulteitspublikasies aangebied. In verdere publikasies van die Afdeling Navorsingsontwikkeling word navorsingsuitsette binne 'n finansiële perspektief in oënskou geneem.

Die *Vyfjaaraksieplan vir Navorsing (1993-1997)* het 'n raamwerk gebied waarbinne die Universiteit se doelwitte vir die handhawing en uitbouing van navorsing vervat is. Die resultate van dié aksieplan sal gedurende 1997 deur buitekonsultante geëvalueer word ten einde uitvoering te gee aan die US se strewe om homself as navorsingsintensiewe instansie in die nuwe millennium te handhaaf.

Die Universiteit se navorsingspoging is soos in die verlede, gesteun deur 'n verskeidenheid van persone binne sowel as buite die Universiteit. Die US spreek sy besondere dank uit teenoor die statutêre navorsingsrade en kommissies, staatsdepartemente, nywerheidsondernemings en private individue vir volgehoue ondersteuning in dié verband. Intern word 'n verskeidenheid van ondersteuningsdienste as deel van die navorsingsinfrastruktuur aan die navorsersgemeenskap gebied. 'n Nuwe werkwyse vir die aankoop van duurder laboratoriumtoerustingitems is gedurende 1996 aan die US in werking gestel. Op hierdie wyse is 'n struktuur geskep met die doel om onder andere die aankoop van duurder items binne die Universiteit en op 'n streeksbasis te koördineer, en optimale benutting van hierdie items te verseker.

Die nuwe staatkundige bedeling in Suid-Afrika het gelei tot 'n herrangskikking van prioriteite op vele terreine, ingesluit dié van navorsing. Die Universiteit is bemoedig deur die verskyning van die *Witskrif op Wetenskap en Tegnologie* in September 1996. Daarin word die belangrikheid van wetenskap en tegnologie in die heropbou en ontwikkelingsprogram beklemtoon, en word ook aangedui dat wetenskaplike navorsing aan inrigtings vir hoër onderwys onmisbaar is vir die ontwikkeling van 'n nasionale sisteem van innovasie.

Ingrypende veranderinge in die wyses waarop navorsing aan tersiêre inrigtings deur die owerheid befonds word, word egter voorsien in 'n *Raamwerk vir Transformasie: Verslag van die Nasionale Kommissie vir Hoër Onderwys* (1996) en in die onlangse *Konsepwitskrif op Hoër Onderwys* (April 1997). Onder andere word die huidige stelsel van subsidiëring van navorsingsuitsette ook onder die loep geneem. Wat die befondsing van navorsing betref, sal navorsers aan Suid-Afrikaanse universiteite - soos elders in die wêreld - toenemend aangemoedig moet word om nuwe bronne vir die finansiering van navorsing te ontgin. Dit sluit beide nasionale en internasionale geleenthede in. Die Universiteit van Stellenbosch heg daarom groot waarde aan betekenisvolle wetenskaplike samewerkingsooreenkomste met ander universiteite in Suid-Afrika en in die buiteland, asook aan die bilaterale navorsings- en ontwikkelingsooreenkomste tussen Suid-Afrika en ander lande.

Laastens word 'n woord van dank gerig aan die akademiese personeel wat behulpsaam was met die proeflees van daardie dele van die Navorsingsverslag wat op hulle eie bydraes betrekking het, asook aan die personeellede van die Afdeling Navorsingsontwikkeling wat gemoeid was met die voorbereiding van hierdie verslag, met spesiale vermelding aan me. Lindie le Roux vir die rekenaarkundige versorging van die verslag.

J.P. Groenewald en E. Pretorius

Junie 1997

## **Gids tot KATEGORIEË gebruik / Guide to CATEGORIES used**

Die Navorsingsverslag word gestruktureer volgens die kategorieë hieronder aangedui. Die titels van publikasies, referate, ens. word aangebied soos die inligting deur die departemente, institute, ens. verskaf is. Ten einde die gebruik van die verslag te vergemaklik, word die kategorieë hieronder uiteengesit. Besonderhede i.v.m. studieleiers word slegs in Afrikaans verstrekk; 'n vertaling van die benamings word verskaf aan die einde van die lys kategorieë.

The Research Report is organized according to the categories listed below. The titles of publications, papers, etc. are given as the information has been supplied by departments, institutes, etc. In order to facilitate the use of the report, the categories are listed below. Information concerning study supervisors is provided only in Afrikaans; a translation of the designations is provided at the end of the list of categories below.

### **1. Tydskrifartikels / Journal articles:**

#### **Vaktydskrifartikels / Research articles in journals**

(Sluit in: navorsingsartikels, navorsingsbriewe en oorsigartikels in tydskrifte vir die vakspesialis waarin navorsingsresultate gerapporteer word)

(Including: research articles, research letters and review articles in journals for the expert, reporting research results)

### **2. Verrigtinge internasionaal / Proceedings international:**

Gepubliseerde verrigtinge van internasionale vakkongresse

Published proceedings of international conferences

### **3. Verrigtinge nasionaal / Proceedings national:**

Gepubliseerde verrigtinge van nasionale vakkongresse

Published proceedings of national conferences

### **4. Referate internasionaal / Papers international:**

Referate by internasionale vakkongresse (wat nie as kongresverrigtinge gepubliseer is nie) (insluitend plakkate)

Papers at international conferences (not published as conference proceedings) (including posters)

### **5. Referate nasionaal / Papers national:**

Referate by nasionale vakkongresse (wat nie as kongresverrigtinge gepubliseer is nie) (insluitend plakkate)

Papers at national conferences (not published as conference proceedings) (including posters)

### **6. Boeke / Books**

**7. Hoofstukke in boeke / Chapters in books**

**8. Patente / Patents**

**9. Navorsingsverslae / Research reports**

**10. Doktoraal afgehandel / Doctoral completed:**

Doktorale projekte (afgehandel)

Doctoral projects (completed)

**11. Magister afgehandel / Master's completed:**

Magistertesisse (afgehandel)

Master's theses (completed)

**12. Projekte afgehandel / Projects completed:**

Nie-graadprojekte (afgehandel)

Non-degree research projects (completed)

**13. Projekte lopend / Projects current:**

Magisterprojekte aan die gang

Master's projects (current)

Doktorale projekte aan die gang

Doctoral projects (current)

Nie-graadprojekte aan die gang

Non-degree research projects (current)

Promotor: Promoter

Medepromotor: Co-promoter

Studieleier: Supervisor

Medestudieleier: Co-supervisor

# FAKULTEIT LETTERE EN WYSBEGEERTE FACULTY OF ARTS

---

## afrikaans en nederlands / afrikaans and dutch

### Tydskrifartikels/Journal articles

DU TOIT PA. Tradisie en vernuwing - Hierdie lewe van Karel Schoeman. *Literator* 1996; **17**(1): 43-55.

FEINAUER AE. A review of Oxford Advanced Learner's Dictionary of Current English. *Lexikos* 1996; **6** - *Afrilex* 1996; **6**: 280-282.

FEINAUER AE. Die negende deel van die Woordeboek van die Afrikaanse Taal. *Lexikos* 1996; **6** - *Afrilex* 1996; **6**: 233-271.

GOUWS RH. Bilingual dictionaries and communicative equivalence for a multilingual society. *Lexikos* 1996; **6**: 14-31.

GOUWS RH. Leksikografiese behoeftevervulling. *Lexikos* 1996; **6**: 171-183.

GOUWS RH. GROBBELAAR P, (ed.). Reader's Digest English-Afrikaans Dictionary/ Afrikaans-Engelse Woordeboek. *International Journal of Lexicography* 1996; **9**(2): 53-161.

GOUWS RH, LOUW PA. Lemmatiese en nielemmatiese adressering in Afrikaanse vertalende woordeboeke. *Suid-Afrikaanse Tydskrif vir Taalkunde* 1996; **14**(3): 92-100.

GOUWS RH, PRINSLOO DJ. Formulating a new dictionary convention for the lemmatization of verbs in Northern Sotho. *South African Journal of African Languages* 1996; **16**(3): 100-107.

HUIGEN S. Het verminkte beeld en de verscholen tekst: Episodes uit de Zuidafrikaanse (literatuur) geschiedenis. *Tydskrif vir Nederlands en Afrikaans* 1995; **2**(2): 12-23.

HUIGEN S. Inhaalrace in de neerlandistiek. *Taalschrift* 1996; **1-2**: 22-23.

HUIGEN S. Nederlands met een praktisch doel. *Taalschrift* 1996; **4**: 18-21.

HUIGEN S. Travellers to Monomotapa. The representation of Southern Africa by the Dutch in the seventeenth century. *History and Anthropology* 1996; **9**(2-3): 207-230.

PONELIS FA. 'n Venster op die Afrikaanse historiese taalkunde. 'n Beskouing van Edith H. Raidt se historiese taalkunde. *Studies oor die geskiedenis van Afrikaans*. *Tydskrif vir Geesteswetenskappe* 1996; **36**(2): 96-103.

ROBINSON AS. The creative functioning of Biblical imagery in a complex poetic text - *Die Jerusalemgangers* (*Jerusalemgangers* 1985) by Antjie Krog. *Neotestamentica* 1994; **28**(2): 413-426.

ROBINSON AS. Jukstapenering van *Hom* en *my* - die digter as hermeneut. *Literator* 1995; **16**(3): 61-79.

SMUTS JP. Die Afrikaanse prosa 1990-1995: 'n Leesverslag. *Stilet* 1996; **8**(20): 1-17.

SPIES L. Heildronk op die sonklong. *Tydskrif vir Letterkunde* 1996; **34**(3): 96-101.

VAN DER MERWE GS. Enkele aspekte van die verband tussen modaliteit en tyd in Afrikaanse gesprekstaal. *Suid-Afrikaanse Tydskrif vir Taalkunde* 1996; **14**(1): 24-33.

VAN DER MERWE GS. Nou, toe en dan as temporele leksikale elemente in Afrikaans. *Literator* 1996; **17**(2): 91-104.

VAN ZYL DP. Die koningin van Skeba - 100 jaar nêr van Zimbabwe. *Tydskrif vir Letterkunde* 1996; **34**(4): 39-50.

VAN ZYL DP. Een eeu literêre tydskrifte in Afrikaans. *Tydskrif vir Letterkunde* 1996; **34**(4): 85-89.

VILJOEN L. Leipoldt en die Ooste: Leipoldt se reisbeskrywing *Uit my Oosterse dagboek* en die diskoers van die Oriëntalisme. *Stilet* 1996; **8**(September): 53-71.

VILJOEN L. Postcolonialism and recent women's writing in Afrikaans. *World Literature Today* 1996; **70**(1): 63-72.

## Referate internasionaal/Papers international

FEINAUER AE. *The microstructural handling of sublexical lemmas in Afrikaans descriptive dictionaries*. First International Conference on Lexicography of the African Association for Lexicography. Johannesburg, Suid-Afrika, 1996.

FOSTER PH. *Postmodernistiese tendensies in die Afrikaanse poësie sedert 1960, met spesifieke verwysing na Wilma Stockenström se epiese teks "Die heengaanrefrein"*. Winterschool van Onderzoekschool Literatuurwetenskap te Utrecht. Utrecht, Nederland, 1995.

GOUWS RH. *Equivalentents and surrogate equivalentents in the Lexicographical treatment of idioms*. First International Conference on Lexicography of the African Association for Lexicography. Johannesburg, Suid-Afrika, 1996.

GOUWS RH. *Linguistische Theorie, lexikographische Praxis und das Woordenboek van die Afrikaanse Taal*. Symposium zum 60.sten Geburtstag von Herbert Ernst Wiegand. Heidelberg, Duitsland, 1996.

HUIGEN S. *Natuurlijke historie en reisbeschrijving: Representaties van Zuid-Afrika van Robert Jacob Gordon (1743-1795)*. Colloquium Tussenfiguren in de Literatuur. Namen, België, 1996.

HUIGEN S. *Nederlands als bronnetaal in Zuid-Afrika*. Colloquium Nederlands in de Wêreld. Djakarta, Indonesië, 1996.

PONELIS FA. *Variëteite van Nederlands in de agtiende eeu aan de Kaap*. Kollokwium oor Het Afrikaans en de variëteite van het Nederlands. Universiteit Gent, België, 1996.

VILJOEN L. *Leipoldt and the Orient*. Eighth Biennial Interdisciplinary Conference on Netherlandic Studies. New York, USA, 1996.

## Referate nasionaal/Papers national

BRITZ EC. *Terugkeer na die vreemde bekende - Petra Müller se In die omtes van die hart*. Simposium oor die vroulike stem in Afrikaans. Stellenbosch, 1996.

DE STADLER LG. *Deiktiese werkwoorde: Werkwoordstukke met haal as kernelement*. 32ste Jaarkongres van Linguistevereniging van Suider-Afrika. Johannesburg, 1996.

FOSTER PH. *Oor motte, drie myte en 'n groterige kewer - Lettie Viljoen se Karolina Ferreira en Wilma Stockström se Monstervers 45*. Simposium oor die vroulike stem in Afrikaans. Stellenbosch, 1996.

GOUWS RH. *A sequence for meeting lexicographic needs*. Simposium oor die vervulling van leksikografiese behoeftes. Buro van die WAT. Stellenbosch, 1996.

PONELIS FA. *Die setsel toe: 'n mikrogrammatika van netwerke*. 32ste Jaarkongres van Linguistevereniging van Suider-Afrika. Johannesburg, 1996.

SPIES L. *Die bydrae van die Afrikaanse digteres: 'n eie literatuurgeskiedenis?* Kongres van die Afrikaanse Letterkundevereniging. Bloemfontein, 1996.

VAN DER MERWE GS. *Pronominale verwysing na inanimata in Afrikaans*. 32ste Jaarkongres van die Linguistevereniging van Suider-Afrika. Johannesburg, 1996.

VAN ZYL DP. *Estienne Barbier, renegaat en romanfiguur, in die lig van die storie, historie en historiografie*. Kongres van die Afrikaanse Letterkundevereniging. Bloemfontein, 1996.

VAN ZYL DP. *Vroue by Corlia Fourie: 1896, 1966 en 1996*. Simposium oor die vroulike stem in Afrikaans. Stellenbosch, 1996.

## Boeke/Books

HUIGEN S. *De weg naar Monomotapa. Nederlandstalige representaties van geografische, historische en sociale werkelijkheden in Zuid-Afrika*. Amsterdam University Press, Amsterdam, 1996. 217 pp.

## Hoofstukke in boeke/Chapters in books

DE STADLER LG. The indirect object in Afrikaans. In: Van Belle W, Van Langendonck W, (eds). *The Dative, Volume 1: Descriptive studies*. John Benjamins, Amsterdam, 1996: 251-288.

GOUWS RH. Aspects of lexical semantics. In: Hartmann RRK, (ed.). *Solving Language Problems*. University of Exeter Press, Exeter, 1996: 98-131.

PONELIS FA. Codes in contradiction: The sociolinguistics of Straatpraatjes. In: Adhikari M, (ed.). *Straatpraatjes. Language, politics and popular culture in Cape Town, 1909-1922*. Van Schaik, Pretoria, 1996: 129-140.

### **Doktoraal afgehandel/Doctoral completed**

SMIT M. *Die metaleksikografie van HE Wiegand as teoretiese raamwerk vir 'n veeltalige, multikulturele, verklarende musiekwoordeboek vir Suid-Afrika*. D.Litt., 1996. 384 pp. Promotor/medepromotor: Prof RH Gouws/dr AE Feinauer.

VAN DER COLFF A. *Zur Konzeption eines deutschen Lernerwörterbuches*. D.Litt., 1996. 425 pp. Promotor/medepromotor: Prof RH Gouws/prof HR Kussler.

### **Magister afgehandel/Master's completed**

BEUKE CM. *Aspekte van die leksikografiese hantering van variante met spesifieke verwysing na Namibiese Afrikaans*. M.A., 1996. 136 pp. Studieleier: Prof RH Gouws.

BEYER HL. *Die hantering van geslagsopposisiepare in die Verklarende Handwoordeboek van die Afrikaanse Taal*. M.A., 1996. 128 pp. Studieleier: Prof RH Gouws.

EWERT DH. *Sintagmatiese leksikale betrekkings in Afrikaans*. M.A., 1996. Studieleier: Prof LG de Stadler.

WARD P. *Die uitbeelding van die vrou in die poësie van TT Cloete*. M.A., 1996. Studieleier: Dr L Viljoen.

### **Projekte lopend/Projects current**

BOSMAN HJ. *Meerwoordige leksikale items in Afrikaans*. Doktorale promotor: Prof RH Gouws.

BRITZ EC. *Eiesinnige lesings*.

BRITZ EC. *Elisabeth Eybers' representatie van Nederland*.

BRITZ EC. *Receptie van de homoseksuele verhalen van Koos Prinsloo in Zuid-Afrika*.

BRITZ EC. *Die vertaling van Suid-Afrikaanse romans in Nederlands*.

BRITZ EC, PIENAAR D. *Redes vir die GRA se weiering van vroulike lidmaatskap*.



BRITZ EC, PIENAAR D. *Representasie van die vrou in die poësie van die Patriotdigters.*

DE STADLER LG. *Afrikaanse gebruikskunde: Die verhouding tussen taalwetenskap en taalgebruik.*

DE STADLER LG. *Die rol van passiefkonstruksies in Afrikaanse koeranttekste.*

DE STADLER LG. *Tematiese kontinuïteit in Afrikaanse tekste.*

FOSTER PH, VILJOEN L. *Versamelbundel oor die Afrikaanse poësie sedert 1960.*

FRYER C. *Aspekte van die ontstaansgeskiedenis van Elsa Joubert se roman "Die reise van Isobelle".* Magister studieleier: Dr L Viljoen.

HITGE M. *Siklus en simbool: 'n Ondersoek na Wilma Stockenström se "Monsterverse".* Doktorale promotor: Prof L Spies.

HOUGH RP. *Beginsels vir 'n Bybelvertaling vir Afrikaanse dowes.* Doktorale promotor: Prof RH Gouws.

HUIGEN S. *Index Nederlandstalige Suid-Afrikaanse Tydskrifte 1800-1925.*

HUIGEN S. *Representasie en reisbeskrywing in Suid-Afrika 1652-1806.*

JANSE VAN RENSBURG C. *Die religieuse poësie van Sheila Cussons en TT Cloete: 'n Vergelykende studie.* Doktorale promotor: Prof L Spies.

JOHN P. *Die historiese bewussyn in die kontemporêre Afrikaanse roman met verwysing na enkele tekste.* Doktorale promotor: Dr L Viljoen.

JORDAAN NJ. *PJ Schoeman as etnograaf en romanskrywer.* Magister studieleier: Dr S Huigen.

LE ROUX M. *Musikale intertekste in die tronkbundels van Breyten Breytenbach met spesiale verwysing na popmusiek.* Magister studieleier: Dr L Viljoen.

LUTHER JGS. *Implikasies van Afrikaans-Engelse kontak vir die Afrikaanse leksikografie.* Doktorale promotor: Prof RH Gouws.

MALLO AM. *Die hantering van leksikale gapings in vertalende woordeboeke.* Magister studieleier: Prof RH Gouws.

NELL L. *Lettie Viljoen se belemmering: 'n Post-feministiese perspektief.* Magister studieleier: Dr L Viljoen.

PRINS J. *Roulet van Johann Johl as postmodernistiese teks.* Magister studieleier: Dr L Viljoen.

RHEEDER AOI. *Die stripverhaal as sekwensiekuns.* Magister studieleier: Dr DP van Zyl.

SPIES L. *Afrikaanse vrouedigters.*

SPIES L. *Die outobiografie in die werk van Hennie Aucamp.*

STRACHAN A. *"Toorberg" van Etienne van Heerden in samehang met enkele tekste van DBZ Ntuli.* Doktorale promotor: Dr L Viljoen.

THERON G. *Die opname en bewerking van subleksikale lemmas in Afrikaanse vertalende woordeboeke.* Magister studieleier: Prof RH Gouws.

VAN DER MERWE M. *Die gebruikersperspektief in die leksikografie.* Doktorale promotor: Prof RH Gouws.

VAN NIEKERK AE. *Die problematiek van die leksikografiese toepasbaarheid van semantiese teorieë en die weergawe van betekenisinligting, met spesifieke verwysing na die WAT.* Doktorale promotor: Prof RH Gouws.

VAN ZYL DP. *Bloemlesing: Nederlandse gedigte vir Suid-Afrika.*

VAN ZYL DP. *Strategiese denke by oorreding in die media.*

VISSER GJC. *Die ontwikkeling van die metapoëtiese teks in die oeuvre van Antjie Krog.* Magister studieleier: Dr L Viljoen.

WASSERMAN H. *"Die stoetmeester" van Etienne van Heerden as plaasroman.* Magister studieleier: Dr L Viljoen.

## **afrikaanse kultuurgeskiedenis / afrikaans cultural history**

### **Tydskrifartikels/Journal articles**

BURDEN M. *Volksweervoorspelling: 'n Wetenskap by uitnemendheid.* *Tydskrif vir Volkskunde en Volkstaal* 1996; **52**(1): 5-14.

BURDEN M. *Zersingen en Umsingen in die Afrikaanse volkslied.* *Suid-Afrikaanse Tydskrif vir Kultuurgeskiedenis* 1996; **10**(2): 1-17.

GROBBELAAR PW. *Engelse invloed op die Afrikaanse volksrym/volkslied en volksvertelling.* *Suid-Afrikaanse Tydskrif vir Kultuurgeskiedenis* 1996; **10**(1): 1-12.

GROBBELAAR PW. *Die herkoms van die Afrikaanse Kersfees.* *Suid-Afrikaanse Tydskrif vir Kultuurgeskiedenis* 1995; **9**(1): 49-65.

### **Referate nasionaal/Papers national**

BURDEN M. *Volkskultuur van Yzerfontein.* Konferensie van die Suid-Afrikaanse Vereniging vir Kultuurgeskiedenis. Velddrif, 1996.

### **Boeke/Books**

BURDEN M. *Yzerfontein - Weskuswonder.* Belastingbetalersvereniging, Yzerfontein, 1996. 103 pp.

### **Projekte afgehandel/Projects completed**

BURDEN M. *Die kultuurgeskiedenis van Yzerfontein.*

## **Projekte lopend/Projects current**

BARNARD E. *Volksboukuns in die Swellendam-omgewing.* Magister studieleier: Mnr H van der Merwe.

BOSHOFF A. *Die impak van die Grensoorlog (Suidwes-Afrika - Angola) op die lewe van die soldate, aan die hand van volksvertellings oor die oorlog.* Magister studieleier: Dr M Burden.

BURDEN M. *Afrikaanse volkswoordkuns in George en omgewing.*

BURDEN M. *Tradisionele stoflike kultuur van Outenikwaland.*

BURDEN M, DU RAAN L, VAN DER MERWE H. *Studentekultuur US 75.*

DU RAAN L. *Die invloed van eksterne en interne faktore op die vorming van studentekultuur aan die Universiteit van Stellenbosch, 1918-1930.* Magister studieleier: Dr M Burden.

FAUL A. *'n Opname en kultuurhistoriese waardebeoordeling van ingenieurs- en ander konstruksies in die Tsitsikammagebied, en die verband tussen die konstruksies en goud- en houtontginning, 1800-1940.* Magister studieleier: Dr M Burden.

FERGUSON Y. *'n Ondersoek na die rol van die volksgeneeskunde en die geassosieerde volksgelowe in die Katriviervallei-gemeenskap.* Magister studieleier: Dr M Burden.

GERICKE MF. *Die invloed van die godsdiensbeleving en geloofslewe van die Afrikaanssprekende in die Suid-Kaap (1850-1950) op sy lewensuitkyk en lewenswyse.* Magister studieleier: Dr M Burden.

GROBBELAAR PW. *Suid-Afrikaanse Engelse volksvertellings.*

GROBBELAAR PW. *Die vroegste Afrikaanse volksliedjies (18de en 19de eeu).*

ING L. *'n Ondersoek na die waarde van kultuurhistoriese bakens in Parow vir toerisme en opvoedkundige doeleindes.* Magister studieleier: Dr M Burden.

KRUGER Y. *Die verskynsel van folklorismes in die Westerse kultuurlewe van Suid-Afrikaners in die neëntigerjare, en die invloed daarvan op hulle lewenswyse.* Magister studieleier: Dr M Burden.

MALHERBE A. *'n Studie van Avondrust en die Ou Residensie, Graaff-Reinet.* Magister studieleier: Dr M Burden.

OLIVIER A. *'n Interpretasie van die vryetydsbesteding in Barberton, 1884-1940, om die invloed van 'n Engels-Victoriaanse kultuur in 'n Oos-Transvaalse myn-gemeenskap te bepaal.* Magister studieleier: Dr M Burden.

SMIT S. *Die aanwending van piktorale Africana as bron vir 'n kultuurhistoriese evaluering van 'n geografiese area, met as model die Paarl-omgewing, 1650-1800.* Magister studieleier: Dr M Burden.

TREDOUX R. *'n Navorsingsmodel vir Kultuurgeskiedenis in 'n multi-kulturele Suid-Afrika*. Magister studieleier: Mnr H van der Merwe.

VAN DER LINDE W. *Matriekafskied in die neëntigerjare: 'n Waardebepaling van hedendaagse tendense by Afrikaanse hoërskole in Port Elizabeth*. Magister studieleier: Dr M Burden.

VAN DER MERWE H. *Tydgenootlike volksgebruike by Afrikaanssprekendes*. Doktorale promotor: Prof PW Grobbelaar.

VILJOEN L. *'n Volkskundige interpretasie van die Versamelde Werke van C.J. Langenhoven*. Magister studieleier: Dr M Burden.

VORSTER L. *Die bydrae van Walter Blerch as stadsklerk tot die argitektoniese nalatenskap van Stellenbosch*. Magister studieleier: Dr M Burden.

WEIL T. *Die inskakeling van die Jode by die Afrikaanse plattelandse gemeenskap (1850-1950) en hulle bydrae tot die vorming van 'n nuwe kultuur*. Magister studieleier: Dr M Burden.

## **afrikatale / african languages**

### **Tydskrifartikels/Journal articles**

DU PLESSIS JA. The semantics of ergative constructions in Zulu and Xhosa. *South African Journal of African Languages* 1996; **16**(4): 115-118.

### **Referate nasionaal/Papers national**

SATYO S. *Women's protest in selected works by Mqhayi*. Streekskongres van die Afrikatalevereniging van Suider-Afrika. Bellville, 1996.

### **Boeke/Books**

DU PLESSIS JA. *The categories and phrase structures of the African languages*. Stellenbosch Communications in African Languages (Reeks), 1996. 58 pp.

DU PLESSIS JA, VISSER MW. *Northern Sotho Syntax*. Stellenbosch Communications in African Languages (Reeks), 1996. 351 pp.

### **Doktoraal afgehandel/Doctoral completed**

JAFTA DN. *Tragic expression in selected Xhosa literary works*. D.Litt., 1996. 409 pp. Promotor: Prof JA du Plessis.

### **Magister afgehandel/Master's completed**

ALCOCK JL. *The genitive construction in Zulu*. M.A., 1996. 144 pp. Studieleier: Dr MW Visser.

CASSIEM A. *The resumptive pronominals in Zulu relative clauses*. M.A., 1996. 138 pp. Studieleier: Dr MW Visser.

KHUBA TG. *Adjunct clauses in Venda*. M.A., 1996. 199 pp. Studieleier: Prof JA du Plessis.

MABASO DB. *Nominal modifiers in Zulu*. M.A., 1996. 188 pp. Studieleier: Prof JA du Plessis.

MAKGABO LG. *The negative in Northern Sotho*. M.A., 1996. 139 pp. Studieleier: Prof JA du Plessis.

MAKGOPA MA. *The relative clause in Northern Sotho*. M.A., 1996. 127 pp. Studieleier: Dr MW Visser.

MALETE EN. *Adjacency in Sesotho*. M.A., 1996. 266 pp. Studieleier: Prof JA du Plessis.

MANDENDE IP. *Raising constructions in Venda*. M.A., 1996. 112 pp. Studieleier: Prof JA du Plessis.

MCHUNU SJ. *Weather expressions in Zulu*. M.A., 1996. 165 pp. Studieleier: Prof JA du Plessis.

MDUMELA TA. *Weather constructions in Tsonga*. M.A., 1996. 132 pp. Studieleier: Prof JA du Plessis.

MELTHAFA KA. *Genitive constructions in Xhosa*. M.A., 1996. 141 pp. Studieleier: Dr MW Visser.

MNQUMENI CN. *Motion verbs in Xhosa*. M.A., 1996. 178 pp. Studieleier: Prof JA du Plessis.

MPOLA MN. *The question word constructions in Xhosa*. M.A., 1996. 131 pp. Studieleier: Dr MW Visser.

NOKELE ABB. *The ideophone in Xhosa*. M.A., 1996. 185 pp. Studieleier: Prof JA du Plessis.

RAMATHE PM. *The weather verbs in Sesotho*. M.A., 1996. 151 pp. Studieleier: Prof JA du Plessis.

## **Projekte lopend/Projects current**

BAM MN. *Principles of task-based methodology for Xhosa second language*. Magister studieleier: Dr MW Visser.

BOYA MS. *Adjunct clauses in Northern Sotho*. Magister studieleier: Prof JA du Plessis.

DINGA PP. *Syntactic properties of verbs with predicative complements in Xhosa*. Magister studieleier: Prof JA du Plessis.

DLAMINI NG. *A framework for the implementation of task-based instruction for Zulu junior secondary school*. Magister studieleier: Dr MW Visser.

JADEZWENI MW. *Aspects of Xhosa poetry*. Doktorale promotor: Prof JA du Plessis.

JONES CJJ. *Xhosa intonational structures: An acoustic-perceptual investigation*. Doktorale promotor: Prof JC Roux.

KGOE MOS. *The syntax of verbs of carrying and sending in Setswana*. Magister studieleier: Dr MW Visser.

KGOSANA LL. *The potential in Northern Sotho*. Magister studieleier: Prof JA du Plessis.

KHOZA K. *The syntactic distribution of clausal adjuncts in Zulu*. Magister studieleier: Prof JA du Plessis.

LADZANI KY. *The structural realization of names in Venda*. Magister studieleier: Prof JA du Plessis.

LEDWABA TL. *Constructions with verbs of existence in Northern Sotho*. Magister studieleier: Prof JA du Plessis.

LEWIS PW. *Phonetic and phonological interference in Xhosa speech communication*. Doktorale promotor: Prof JC Roux.

LITHOLE FE. *The syntax of verbs with predicative complements in Venda*. Magister studieleier: Prof JA du Plessis.

MABASO XE. *Syntactic properties of predicates denoting change of possession in Tsonga*. Magister studieleier: Prof JA du Plessis.

MADADZHE RN. *The copulative in Venda*. Doktorale promotor: Prof JA du Plessis.

MADZIVHANDILA TG. *The syntactic properties of psych-verb in Venda*. Magister studieleier: Prof JA du Plessis.

MAIVHA TG. *The argument structure of verbs of creation and transformation in Venda*. Magister studieleier: Prof JA du Plessis.

MANYENYE AJ. *Syntactic properties of adjunct clause constructions in Sesotho*. Magister studieleier: Prof JA du Plessis.

MATHALAUGA MG. *Resumptive pronominals in Venda relatives*. Magister studieleier: Dr MW Visser.

MATLA TM. *Negation in Sotho*. Magister studieleier: Prof JA du Plessis.

MAUDU NP. *The syntax of predicates denoting change of state in Venda*. Magister studieleier: Prof JA du Plessis.

MAVUMENGWANA NG. *The syntax of predicates of creation and transformation in Xhosa*. Magister studieleier: Prof JA du Plessis.

MAZUBANE ES. *The syntactic nature of gender agreement in Zulu*. Magister studieleier: Prof JA du Plessis.

MAZWI NR. *Complexity, accuracy and fluency in task-based instruction for Xhosa second language at tertiary level*. Magister studieleier: Dr MW Visser.

MBATHA BZ. *The syntax of negation in Zulu*. Magister studieleier: Prof JA du Plessis.

MBETSE SA. *Syntactic properties of predicates denoting change of state in Tsonga*. Magister studieleier: Prof JA du Plessis.

MENDU B. *The argument structure of verbs denoting change of state in Xhosa*. Magister studieleier: Prof JA du Plessis.

MOKETE CM. *The syntax of verbs with predicative complements in Sesotho*. Magister studieleier: Prof JA du Plessis.

MPHIGALALE TA. *The argument structure of predicates denoting change of possession in Venda*. Magister studieleier: Prof JA du Plessis.

MTIMKA NS. *The syntax of verbs denoting change of possession in Xhosa*. Magister studieleier: Prof JA du Plessis.

MUTSILA NP. *Syntactic properties of negative verb constructions in Venda*. Magister studieleier: Prof JA du Plessis.

NAIDOO S. *Aspects of Zulu phonology: An application of Feature Geometry Theory*. Doktorale promotor: Prof JC Roux.

NDLELA EZ. *Aphasic production of lexical tone in Zulu*. Magister studieleier: Prof JC Roux.

NDUKWANA X. *The morpho-syntactic structure of female names in Xhosa*. Magister studieleier: Dr MW Visser.

NENGUDZA MR. *Syntactic constructions with predicates of sending in Venda*. Magister studieleier: Dr MW Visser.

NETSHISHAULU NC. *Potential verb constructions in Venda*. Magister studieleier: Prof JA du Plessis.

NGAKA MN. *Syntactic properties of predicates denoting creation and transformation in Sesotho*. Magister studieleier: Prof JA du Plessis.

NGUBANE BL. *WH-word constructions in Zulu*. Magister studieleier: Dr MW Visser.

NKHUMELENI CT. *The syntax of constructions with verbs of placement in Venda*. Magister studieleier: Dr MW Visser.

NKOPO C. *Tonal acquisition in Xhosa*. Magister studieleier: Prof JC Roux.

NKOSI NE. *The external argument in Zulu*. Magister studieleier: Prof JA du Plessis.

NKUNA PH. *Nasal assimilation in Tsonga*. Magister studieleier: Prof JC Roux.

NTLABEZO BN. *Homorganic nasal assimilation in Xhosa*. Magister studieleier: Prof JC Roux.

NTUSIKAZI BN. *The syntactic properties of raising predicates in Xhosa*. Magister studieleier: Prof JA du Plessis.

PHASWANA TP. *The structure of inflection in Venda*. Magister studieleier: Prof JA du Plessis.

PONI LL. *A framework for the implementation of task-based instruction for Xhosa second language in secondary school*. Magister studieleier: Dr MW Visser.

RADEBE AM. *Tonal interference in the Zulu of Sotho speakers*. Magister studieleier: Prof JC Roux.

RAMONE PM. *The category preposition in Sesotho*. Doktorale promotor: Prof JA du Plessis.

RANKHODODO TK. *The subjunctive constructions in Venda*. Doktorale promotor: Prof JA du Plessis.

SELEBELENG KZ. *Phonetic and phonological aspects of vowel raising in Sesotho*. Magister studieleier: Prof JC Roux.

SILIDI W. *Syntactic properties of predicates of removal in Venda*. Magister studieleier: Dr MW Visser.

SINEKE TG. *Conjunction and concord in Xhosa*. Magister studieleier: Dr MW Visser.

SITHOLE NV. *The syntax of predicates of conveyance in Zulu*. Magister studieleier: Dr MW Visser.

THELEDI KMA. *The syntax of predicates of placement in Setswana*. Magister studieleier: Dr MW Visser.

TLAKA MG. *The subject argument in Southern Sotho*. Magister studieleier: Prof JA du Plessis.

TSHIKALANGE KW. *The syntax of predicates of existence in Venda*. Magister studieleier: Prof JA du Plessis.

TSHITHUKHE SA. *Implicit arguments in Venda*. Magister studieleier: Dr MW Visser.

VAN HUYSSTEEN A. *Principles of form-focused tasks for Xhosa second language at tertiary level*. Magister studieleier: Dr MW Visser.

VAN JAARVELD J. *Task-based course design for Setswana second language business communication*. Magister studieleier: Dr MW Visser.

WALAZA NI. *Constructions with verbs of removing in Setswana*. Magister studieleier: Dr MW Visser.

ZULU NS. *Characterization in Sesotho*. Doktorale promotor: Prof JA du Plessis.

## **algemene taalwetenskap / general linguistics**



## Tydskrifartikels/Journal articles

AARONS D. Signed languages and professional responsibility. *SPIL PLUS* 1996; **29**: 285-311.

AARONS D. Topics and topicalization in American sign language. *SPIL* 1996; **30**: 65-106.

BIBERAUER MT. Frightening or enlightening? An appraisal of the functions of the military metaphor in the AIDS context. *SPIL PLUS* 1996; **29**: 130-143.

BOTHA RP. Does language make us walking angels, talking apes or what? *SPIL PLUS* 1996; **29**: 1-22.

BOTHA RP. Neo-Darwinian accounts of the evolution of language: 1 Questions about their explanatory focus. *SPIL* 1996; **30**: 1-41.

LE ROUX C. Linguistic theory and second language acquisition: How not to lose sight of the wood for the trees. *SPIL PLUS* 1996; **29**: 385-405.

McCORMICK KM. Using acceptability judgements in the study of mixed-language vernaculars. *SPIL PLUS* 1996; **29**: 245-259.

MURRAY H. Contending with context in academic literacy. *SPIL PLUS* 1996; **29**: 407-429.

## Referate internasionaal/Papers international

AARONS D. *Topics and topicalization in American sign language*. Fifth International Conference on Theoretical Issues in Sign Language Research. Montreal, Canada, 1996.

AARONS D, REYNOLDS, L. *South African sign language: Changing policies and practices*. Sociolinguistics Symposium 11. Cardiff University, Wales, 1996.

## Referate nasionaal/Papers national

AARONS D. *The linguistics of signed language*. Perspectives on Deafness Symposium. Department of ENT, University of Cape Town Medical School, 1996.

AARONS D, LAURENCE P. *Magistrates' explanations and the undefended accused*. Language in the Courtroom. Faculty of Law, Vista University, 1996.

## Projekte lopend/Projects current

AARONS D. *An investigation into the linguistic structure of the signed language(s) used by the Deaf Communities in the Western Cape Province and Gauteng*.

BOTHA RP. *Darwinistiese modelle van taalgenese: Beperkings en moontlikhede*.

KEMP M-A. *Analysis of agrammatic language within government and binding theory.*

LE ROUX C. *Die rol van verskillende soorte taalgegewens in tweedetaalverwerwing.*

LE ROUX C. *Die verband tussen die verwerwing van funksionele eienskappe en die verwerwing van woordorde in 'n tweede taal.*

## **argeologie / archaeology**

### **Verrigtinge internasionaal/Proceedings international**

DEACON HJ. *Southern Africa in the debate on the origins of modern humans.* 13th Congress of the International Union of Prehistoric and Protohistoric Sciences. Colloquium X: The origin of modern man, ABACO, Edizioni. Forli, Italy, 1996: 167-172.

DEACON HJ, WURZ S. *Klasies River main site, cave 2: a Howiesons Poort occurrence.* Aspects of African Archaeology: Papers from the 10th Congress of the PanAfrican Association for Prehistory and Related Studies. Harare, Zimbabwe, 1996: 213-218.

### **Referate nasionaal/Papers national**

WURZ S. *Exploring the minds of the ancients.* Biennial Conference of the Southern African Association of Archaeologists. Bloemfontein, 1996.

### **Projekte lopend/Projects current**

BRINK JS. *Late Pleistocene mammal faunas.* Doktorale promotor: Prof HJ Deacon.

BURGER DE. *AJH Goodwin: Pioneer archaeologist.* Magister studieleier: Prof HJ Deacon.

DEACON HJ, WURZ S. *Argeologie van Klasiesrivier vindplase.*

DOCKEL W. *Paleo-ekologiese studies in die suidelike Kaap (Palaeoecological studies in the southern Cape).* Magister studieleier: Prof HJ Deacon.

FEATHERS J, DEACON HJ. *Optiese termoluminisensie datering van die Klasiesrivier afsetting.*

GOOSEN RJ. *Legislation and procedures governing archaeological heritage management.* Magister studieleier: Prof HJ Deacon.

GOOSEN RJ, KAPP H, PIENAAR HS, DEACON HJ. *Calcite-aragonite ratios in opercula of Turbo samarticus as an indicator of palaeotemperature.*

HARRIS TJ. *The colonial archaeology of the Franschhoek Valley.* Magister studieleier: Prof HJ Deacon.

KLEIN RJ, DEACON HJ, AVERY G. *Paleontologiese en argeologiese ondersoek van die Duinefontein vindplaas, Wes-Kaap.*

PAYNE A. *Taphonomy of the Klasies River human remains.* Magister studieleier: Prof HJ Deacon.

RUST C. *Rock art of the Langeberg-Little Karoo.* Magister studieleier: Prof HJ Deacon.

VALLADAS H, DEACON HJ. *Termoluminisensie datering van die Klasierivier afsetting.*

WURZ SJD. *Aspects of Middle Stone Age typology, technology and behaviour.* Magister studieleier: Prof HJ Deacon.

## **beeldende kunste / FINE ARTS**

### **Boeke/Books**

ARNOLD M. *Women and art in South Africa.* David Philip, 1996. 186 pp.

### **Projekte lopend/Projects current**

GYSEN-HSIEH B P-N. *The development of a community-based programme to promote the visual arts in a historical South African town.* Doktorale promotor: Prof GJ Kerr.

## **drama / drama**

### **Tydskrifartikels/Journal articles**

HAUPTFLEISCH T. The re-canonization of South African theatre: Thoughts on four collections of plays. *South African Theatre Journal* 1996; **10**(1): 115-118.

### **Referate nasionaal/Papers national**

HAUPTFLEISCH T. *Sarafina II and the four percent factor: Theatre, communication and development.* Symposium: Culture, Communication, Development. HSRC, Pretoria, 1996.

HUISMANS A. *Framing performance: Theatre and theory in the late twentieth century.* Interaction Conference. Bainskloof, 1996.

### **Magister afgehandel/Master's completed**

BAKER G. *The creation of a voice methodology based on physicality and movement for South African performers in English.* M.Dram., 1996. 134 pp. Studieleiers: Me I Frege en mev M Kruger.

### **Projekte lopend/Projects current**

BAIN K. *Reading the Auteur: Film, Theory and the "Art of Cool".* Magister studieleier: Prof T Hauptfleisch.

BARNARD T. *Die dramaturgie van Reza de Wet: 'n Teaterkundige analise*.  
Magister studieleier: Prof T Hauptfleisch.

CRUYWAGEN E. *Alternatiewe aanwendingsmoontlikhede van drama deur die radio in Suid-Afrikaanse streeksverband*. Doktorale promotor: Prof T Hauptfleisch.

ESTERHUIZEN J. *Towards a realignment of theatre administration and theatre practice in the Western Cape - a theoretical-empirical study*. Magister studieleier: Prof T Hauptfleisch.

FREGE I. *Contemporary dance in South Africa: A study of emerging styles*.  
Magister studieleiers: Proff T Hauptfleisch en E Katzenellenbogen.

GROBLER E. *Teater en terapie*. Magister studieleier: Prof T Hauptfleisch.

HUISMANS A. *Die interaksie tussen teks en konteks in die teater*. Magister studieleier: Prof T Hauptfleisch.

HUTCHISON Y. *Theatre in Southern Africa; A study of trends and influences*.  
Doktorale promotor: Prof T Hauptfleisch.

KRUGER K. *'n Ondersoek na tradisionele elemente en moderne tendense in die twintigste eeuse pantomime*. Doktorale promotor: Prof T Hauptfleisch.

MARAIS R. *Theatre for development and the problems of urbanization in the Western Cape. A theoretical-empirical exploration*. Magister studieleier: Prof T Hauptfleisch.

STEYN H. *Die benutting van teater vir lewensopvoedingsprogramme: 'n Teoreties-empiriese ondersoek*. Doktorale promotor: Prof T Hauptfleisch.

## **duits / german**

### **Vaktydskrifartikels/Journal articles**

BODENSTEIN RH. Die pädagogische Landschaft im "neuen Deutschland". Bericht über eine Reise mit dem Goethe-Institut. *Deutschunterricht im südlichen Afrika* 1996; **27**(1): 3-11.

### **Verrigtinge internasionaal/Proceedings international**

KUSSLER HR. *Authoring a hypertext information system on German 'Landeskunde'. What goes in - and what comes out*. Hypermedia '96: 3rd Southern African Conference on Multimedia and Hypermedia. Pretoria, 1996: 29-39.

KUSSLER HR. *'HyperDeutsch'. Ein Studienbegleiter für das Fach Deutsch als Fremdsprache*. Proceedings of EuroCall 94. Pädagogische Hochschule Karlsruhe, Germany, 1994; *Technology-Enhanced Language Learning in Theory and Practice* 1996: 212-221.

### **Referate internasionaal/Papers international**

KUSSLER HR. *Authoring a hypertext information system on German 'Landeskunde'. What goes in - and what comes out.* Hypermedia '96. Universiteit Pretoria, 1996.

## **Referate nasionaal/Papers national**

BODENSTEIN RH. *Combating learning barriers in the suggestopedic language learning environment.* 19de Kongres van die "Southern African Applied Linguistics Association (SAALA)". Universiteit van Zululand, 1996.

## **Hoofstukke in boeke/Chapters in books**

BLUMER A. The future of the performing arts councils in a new South Africa. In: Davis GV, Fuchs A, (eds). *Theatre and change in South Africa.* Harwood Academic Publishers, 1996: 260-271.

KUSSLER HR. Didaktisierung zu Peter Bender: "Deutsche Ostpolitik". In: Günther C, Makowski M, (reds.). *Didaktisierungsideen zu "Deutsche und Polen. 100 Schlüsselbegriffe".* Kraków, Goethe-Institut, 1995: 10-21.

## **Magister afgehandel/Master's completed**

GÄRTNER I. *"Geschichten in Bildern zu erzählen . . ." Thematische Grundzüge im filmischen Werk von Wim Wenders.* M.A., 1996. 426 pp. Studieleier: Dr W Köppe.

JANSEN VAN RENSBURG M. *Zum Verhältnis von Individuum und Gesellschaft im Werk Martin Walsers.* M.A. cum laude, 1996. 113 pp. Studieleier: Dr A Blumer.

WALBRUGH S. *Väter und ihre Kinder in der modernen deutschen und afrikaansen Romanliteratur.* M.A., 1996. 149 pp. Studieleier: Dr A Blumer.

## **Projekte lopend/Projects current**

ANNAS R. *Zur Darstellung Afrikas in der deutschen Presse.*

BODENSTEIN EW. *Zur Funktion authentischer Texte im Unterricht Deutsch als Fremdsprache an der Universität Zululand.* Magister studieleier: Prof HR Kussler.

BODENSTEIN RH. *Moontlikhede van oorbruggingsprogramme (insluitende RGO) vanaf Duits 178 na Duits 278.*

BODENSTEIN RH. *Die ontwikkeling van riglyne vir die skryf van tekste vir suggestopediese taalkursusse.*

JANSEN VAN RENSBURG M. *Post-Freudiaanse psigoanalise en die werk van Max Frisch.* Doktorale promotor: Dr A Blumer.

KÖPPE W. *W.H.I. Bleek: Sein Beitrag zum Studium südafrikanischer Kulturen.*

KUSSLER HR. *Geskiktheid en toepassingsgebiede van rekenaarprogramdoppe (insluitende hiperteksprogramme) binne die onderrig van Duits as vreemde taal.*

KUSSLER HR. *Ontwerp, bou en onderhoud van 'n databasis Rekenaarondersteunde Taalonderrig (ROTO-DAT)*.

ZAPPEN-THOMSON M. *Interkulturelles Lehren und Lernen. Eine kritische Sichtung einschlägiger Ansätze unter dem Aspekt ihrer Anwendbarkeit im Fach Deutsch als Fremdsprache in Namibia*. Doktorale promotor: Prof HR Kussler.

## engels / english

### Tydskrifartikels/Journal articles

EDMUNDS DP. The inward eye: Visionary apprehensions in Wordsworth and Tennyson. *English Studies in Africa* 1995; **28**(2): 27-36.

GAYLARD RP. Exile and homecoming: Identity in Zoë Wicomb's "You can't get lost in Cape Town". *Ariel: A Review of International English Literature* 1996; **27**(1): 177-190.

HEES EPH. Foregrounding the background: Landscape and ideology in South African film. *South African Theatre Journal* 1996; **10**(2): 63-84.

HEES EPH. The Voortrekkers on film: From Preller to Pornography. *Critical Arts* 1996; **10**(1): 1-22.

HEYNS MW. Fathers and sons: Structures of erotic patriarchy in Afrikaans writing of the Emergency. *Ariel: A Review of International English Literature* 1996; **27**(1): 81-104.

HEYNS MW. Overtaken by history? Obsolescence-anxiety in André Brink's *An Act of Terror* and Etienne van Heerden's *Casspirs en Campari's*. *English Academy Review* 1994; **11**: 62-72.

SWART M. Writing skill requirements at tertiary level. *SAVTO/SAALT Journal for Language Teaching* 1995; **29**(1): 1-10.

THOMPSON JB. Crazy Jane's reconciliation of the 'Swordsman' and the 'Saint'. *English Studies: A Journal of English Language and Literature* 1996; **77**(3): 255-265.

THOMPSON JB. A plea for teaching reading skills. *English Academy Review* 1994; **11**: 33-43.

### Referate internasionaal/Papers international

GAGIANO AH. *Patterns of leadership in Bessie Head's 'Marie' and 'A Bewitched Crossroad: An African saga'*. The Bessie Head Conference. National University of Singapore, 1996.

HEES EPH. *Representations of liberalism and fascism in South Africa: 'Cry, the Beloved Country' and 'The Fourth Reich'*. The Uses of History in Fiction and Film. University of West Virginia, Morgantown, West Virginia, USA, 1996.

HEYNS MW. *'A certain simple respect': An ethical universal in the postcolonial novel?* Convention of the International Association of Philosophy and Literature. Washington, USA, 1996.

NOLTE C. *Entering Head's backwater through 'A Gesture of Belonging' and 'A Woman Alone'*. The Bessie Head Conference. National University of Singapore, 1996.

SWART M. *Combining technology and pedagogy to attain optimal learning in and English L2 multimedia programme on English tenses*. Annual Conference EUROCALL 96. Szombathely, Hungary, 1996.

## Referate nasionaal/Papers national

GAGIANO AH. *'Barbarism' and 'Civilization' in Shakespeare's 'Titus Andronicus' and Marechera's 'Black Sunlight'*. Shakespeare/Postcolonialism Conference. University of the Witwatersrand, Johannesburg, 1996.

GAGIANO AH. *Two bad-time stories and a song of hope*. The Second African Symposium of the Association for Rhetoric and Communication in South Africa. University of Stellenbosch, 1996.

GAYLARD RP. *Crossing over: Stories of the transition, or "History from the inside"*. AUETSA Conference. University of the Western Cape, Bellville, 1996.

HENDERSON ACL. *Katherine Mansfield and the necessity of exile*. AUETSA Conference. University of the Western Cape, Bellville, 1996.

HEYNS MW. *Calc'lated to lead to larks: Apprenticeship and emancipation in Dickens' novels*. Charles Dickens Conference. Grahamstown, 1996.

VAN PLETZEN E. *'Sliding' towards meaning in Mansfield Park*. AUETSA. University of the Western Cape, Bellville, 1996.

VAN PLETZEN E. *Teaching argument*. NAETE. East London, 1996.

## Boeke/Books

GREEN B. *Hardy's Lyrics. Pearls of Pity*. Great Britain: Macmillan Press Ltd. 1996. 243 pp.

## Hoofstukke in boeke/Chapters in books

GAGIANO AH. *Encountering African novels in English*. In: Steyn ME, Motshabi KB, (eds). *Cultural synergy in South Africa/Weaving strands of Africa and Europe*. Pretoria, Knowledge Resources, 1996: 131-145.

GAGIANO AH. *Mongane Serote's 'To every birth its blood': Painting the true colours of Apartheid*. In: Losambe L, (ed.). *An introduction to the African prose narrative*. Pretoria, Kagiso Tertiary, 1996: 122-140.

HEYNS MW. *"Like people in a book": Imaginative appropriation in Lord Jim*. In: Fincham, Gail, Hooper, Myrtle (eds). *Under Postcolonial Eyes: Joseph Conrad after Empire*. UCT Press, 1996: 78-90.

## Projekte lopend/Projects current

BELL R. *A study of the novels of RRR Dhlomo, Sol Plaatje and AC Jordan, in the context of their publication by the Lovedale Press.* Magister studieleier: Mnr RP Gaylard.

EDMUNDS DP. *The wildest beauty in the world.*

ELLIS J. *Female friendship in the novels of Charlotte Brontë.* Magister studieleier: Prof MW Heyns.

GOODMAN R. *The mechanics of satire, with particular reference to Jonathan Swift and George Orwell.* Doktorale promotor: Prof JB Thompson.

HEES EPH. *Film assessment at secondary level.*

HEYNS MW. *The tentative imagination: White South African fiction of the emergency, 1985-1990.*

RAHL FL. *Author and self in the works of DH Lawrence, with special reference to his early prose writings.* Magister studieleier: Dr BK Green.

VAN DER VYVER E. *The secondary worlds in 'Sir Gawain and the Green Knight' and 'Pearl'.* Magister studieleier: Mnr R Goodman.

VAN ZYL L. *The representation of reality in Spenser's 'The Faerie Queene'.* Magister studieleier: Mnr R Goodman.

## **filosofie / philosophy**

### **Tydskrifartikels/Journal articles**

DEGENAAR JJ. The concept of politics in Postmodernism. *Politikon* 1996; **23**(2): 54-71.

HATTINGH JP. Living one's life as a work of art. *South African Journal of Philosophy* 1996; **15**(2): 60-72.

ROODT V. Nietzsche, genealogy and the politics of communality. *South African Journal of Philosophy* 1996; **15**(1): 29-36.

ROSSOUW HW. Die kuns van die lewe is om tuis te kom. Gedagtes oor die filosofie van Martin Versfeld. *Tydskrif vir Geesteswetenskappe* 1996; **36**(1): 11-20.

VAN DER MERWE WL. Philosophy and the multicultural context of (post)apartheid South Africa. *Ethical Perspectives* 1996; **21**(2): 1-15.

VAN DER MERWE WL. Zuid-Afrika: Van apartheid naar multikulturalisme. *Kultuurleven* 1996; **63**(5): 66-75.

VAN NIEKERK AA, VAN ZYL LL. Embryo experimentation, personhood and human rights. *South African Journal of Philosophy* 1996; **15**(4): 139-144.

VERWOERD WJ. Continuing the discussion: Reflections from within the Truth and Reconciliation Commission. *Current Writing. Text and Reception in Southern Africa* 1996; **8**(2): 66-85.



VERWOERD WJ. Tensions between my fatherhood and feminism. *Agenda* 1996; (28): 83-93.

### **Verrigtinge internasionaal/Proceedings international**

DEGENAAR JJ. *The collapse of unity*. New modes of thinking on the eve of a new century: South African perspectives. University of South Africa, 1996: 5-27.

ESTERHUYSE WP. *Consensus-seeking and constitution-making through negotiation*. L'Afrique Dans Le Monde, Actes Du Séminaire, Centre De Recherches Entreprises Et Sociétés (CRES). Genève, 1994: 357-365.

HATTINGH JP. *Can Foucault help us to decolonize the mind?* "Decolonizing the mind". Verrigtinge van die Colloquium aangebied deur die Navorsingseenheid vir Afrikafilosofie van Unisa, Pretoria, 1995. Navorsingseenheid vir Afrikafilosofie, UNISA, Pretoria, 1996: 41-48.

### **Verrigtinge nasionaal/Proceedings national**

ESTERHUYSE WP. *Challenges in change: The context*. Challenges in Change. Fifth Winelands Conference. School of Public Management, Stellenbosch, 1996: 1-11.

### **Referate internasionaal/Papers international**

HATTINGH JP. *Environmental justice: A view from Southern Africa*. Third International Jacobson's Conference. Universiteit van Zimbabwe, Harare, 1996.

VAN DER MERWE WL. *Multikulturalisme en moderniteit*. Simposium oor De uitdaging van Multikulturalisme voor de Filosofie, Universiteit voor Humanistiek. Utrecht, Nederland, 1996.

VAN NIEKERK AA. *To be a Christian and be in business*. International Conference on Business Ethics in the African Context Today. Uganda Martyrs University, Uganda, 1996.

### **Referate nasionaal/Papers national**

CILLIERS FP. *On Derrida on Apartheid*. Nasionale Kongres van die Wysgerige Vereniging van Suid-Afrika. Universiteit van Stellenbosch, Stellenbosch, 1996.

CILLIERS FP. *Representation and meaning: Modern, postmodern and complex*. First Colloquium of the Wits Transdisciplinary Study Group: Reapproachments between Arts and Science. Universiteit van die Witwatersrand, Johannesburg, 1996.

HATTINGH JP. *Active aestheticism in the ethics of Michael Foucault*. Twee en Twintigste Jaarlikse Kongres van die Wysgerige Vereniging van Suider-Afrika. Stellenbosch, 1996.

HATTINGH JP. *Hoe ons van die aarde 'n kommoditeit gemaak het*. Stellenbosch Forum. Stellenbosch, 1996.

VAN NIEKERK AA. *Postmodernism and education*. National Conference on Postmodernism and Education. Potchefstroom, 1996.

## Boeke/Books

ESTERHUYSE WP. *Akademiese Vryheid in die branding*. DF Malherbe-Gedenklesing 15, Acta Varia, UOVS, 1996. 19 pp.

VAN NIEKERK AA, (red.). *Filosoof op die markplein: Opstelle vir en deur Willie Esterhuys*. Tafelberg, 1996. 181 pp.

## Hoofstukke in boeke/Chapters in books

DEGENAAR JJ. Kultuur in 'n veranderende Suid-Afrika. In: Ester H, Van Leuvenstijn A, (reds.). *Afrikaans in een veranderende konteks: Taalkundige en letterkundige aspecte*. Suid-Afrikaanse Instituut, 1995: 15-36.

DEGENAAR JJ. Die mag van verbeelding. In: Bosman N, (red.). *'n Man van woorde: Feesbundel vir Louis Eksteen*. JL van Schaik, 1995: 34-41.

ESTERHUYSE WP. Affirmative action. In: PG du Plessis, (ed.). *Contemporary management issues*. University of Stellenbosch, 1996: 159-166.

ESTERHUYSE WP. 'n Grondslag vir maatskappykritiek. In: Van Niekerk AA, (red.). *Filosoof op die markplein: Opstelle vir en deur Willie Esterhuys*. Tafelberg, 1996: 27-45.

ROSSOUW HW. Oor vertrouwe en menslikheid. In: Van Niekerk AA, (red.). *Filosoof op die markplein: Opstelle vir en deur Willie Esterhuys*. Tafelberg, 1996: 19-21.

VAN DER MERWE WL. Language, lifeworld and (inter)subjectivity. In: Tymienicka A-T, (ed.). *Life in the Glory of its Radiating Manifestations (Volume XLVIII van Analecta Husserliana)*. Kluwer Academic Publishers, 1996: 349-366.

VAN NIEKERK AA. Willie Esterhuys: bemiddelaar van groot tye. In: Van Niekerk AA, (red.). *Filosoof op die markplein: Opstelle vir en deur Willie Esterhuys*. Tafelberg, 1996: 1-8.

## Magister afgehandel/Master's completed

GERBER GA. *An eroticized culture? A critical inquiry into the relationship between utopia and the erotic in the writings of Freud, Reich and Marcuse*. M.A., 1996. 149 pp. Studieleier: Prof AA van Niekerk.

ROODT V. *Of genealogy and identity: the question of justice in the philosophy of Friedrich Nietzsche*. M.A., 1996. 134 pp. Studieleier: Prof WP Esterhuys.

VERWOERD M. *Die metaforiese rekonstruksie van die godsbegrip: 'n godsdienstilosofiese ondersoek en beoordeling van kontemporêre modelle vir God in die metaforiese teologie - met spesifieke verwysing na die beskouing van Sally McFague*. M.A., 1996. 201 pp. Studieleier: Dr JP Hattingh.

## Projekte afgehandel/Projects completed

VAN NIEKERK AA. *Die ou etiek en die nuwe geneeskunde.*

VAN NIEKERK AA. *Postmodernisme en opvoeding.*

## Projekte lopend/Projects current

ABRAHAMS G. *Collectivism and individualism.* Doktorale promotor: Prof WP Esterhuise.

ALHEIT WA. *Die etiese regverdiging van die sosiale verantwoordelikheid van ondernemings.* Magister studieleier: Prof WP Esterhuise.

BOEZAK SL. *Fragments of subjectivity: An analysis of the relationship between contemporary feminism and postmodernism in search of a new subjectivity.* Magister studieleier: Dr JP Hattingh.

CALVERLEY G. *Gaston Bachelard: Science and imagination.* Magister studieleier: Dr FP Cilliers.

CLOETE M. *Postmetaphysical versus postmodern thinking: a critical appraisal of Habermas' debate with Postmodernism.* Doktorale promotor: Prof AA van Niekerk.

DAMSTER G. *Ethical codes in the practice of medicine.* Magister studieleier: Prof AA van Niekerk.

DE BEER H. *Omgewingsetiek en omgewingsbewaring: 'n Wysgerig-etiese perspektief op bewaringswetgewing, -beleid en -strategieë in Suid-Afrika.* Magister studieleier: Dr JP Hattingh.

DE WET M. *Organisasiekultuur en etiek.* Magister studieleier: Prof WP Esterhuise.

DU PLOOY L. *Kruiskulturele kommunikasie en interreligieuse dialoog.* Magister studieleier: Dr WL van der Merwe.

ESTERHUYSE WP. *Nietzsche en die probleem van interpretasie.*

FOUCHÉ J. *"God" as grensbegrip en/of begripsgrens.* Magister studieleier: Dr WL van der Merwe.

GERBER GA. *Wetenskap en waarheid: 'n Krities-wysgerige ondersoek van die begrip "waarheid" as regulatiewe idee in wetenskapsbeoefening.* Doktorale promotor: Prof AA van Niekerk.

GROBLER J. *Aborsie in ekologiese perspektief.* Magister studieleier: Dr JP Hattingh.

HAMMAN JN. *Post-structural ethics: Derrida, Levinas and the problem of social responsibility.* Magister studieleier: Dr FP Cilliers.

HATTINGH JP. *Die konsep kultuur.*

HATTINGH JP. *Kultuurbeskouing in Suid-Afrika.*

- HOLM E. *Thinking the ideal community*. Magister studieleier: Dr FP Cilliers.
- LOOTS AGJ. *A critical analysis of rock music from a cultural-philosophical perspective*. Doktorale eksterne medepromotor: Dr JP Hattingh (geregistreer aan UPE).
- LYONS CND. *Philosophy, rhetoric, history: A critical analysis of the classical dispute between philosophy and rhetoric*. Magister studieleier: Dr WL van der Merwe.
- MARINCOWITZ F. *Postmodernism and ecological feminism*. Magister studieleier: Dr JP Hattingh.
- MOORE W. *Theodicee en analitiese filosofie*. Magister studieleier: Prof AA van Niekerk.
- NEVHUTALU K. *Equity, equality and utility in health care: Priorities in the macroallocation of technologically sophisticated and expensive health care resources*. Magister studieleier: Prof AA van Niekerk.
- NICHOLLS G. *Personal rights*. Magister studieleier: Prof AA van Niekerk.
- PIETERSEN GE. *Pyn en menslikheid: filosofiese perspektiewe op die aard en (on-)sin van die ervaring van menslike pyn*. Doktorale promotor: Prof AA van Niekerk.
- POTGIETER FJ. *Oor die funksie en betekenis van kuns: 'n Filosofiese herinterpretasie van die modernistiese beskouing van die artistieke praktyk*. Doktorale promotor: Dr JP Hattingh.
- PRAEG L. *Identiteit en verskil: 'n filosofiese studie van die vraag na die self en die ander met besondere verwysing na geselekteerde Suid-Afrikaanse tekste*. Doktorale promotor: Dr JP Hattingh.
- READER U. *Modernity and instrumental rationality: A critical assessment of the relation between modernisation and the technologization of the lifeworld*. Doktorale promotor: Dr WL van der Merwe.
- REYNEKE J. *Die wederkerige verhouding tussen omgewing en ontwikkeling*. Magister studieleier: Dr JP Hattingh.
- ROODT V. *Justice, agency and the politics of agonism in the philosophy of Hannah Arendt and Friedrich Nietzsche*. Doktorale promotor: Prof WP Esterhuise.
- SLABBERT NJ. *Technology, nature, culture: environmental concepts in the philosophy of John Dewey*. Doktorale promotor: Dr JP Hattingh.
- SMIT E. *Ideologiekritiek en die kritiek van identiteit*. Magister studieleier: Prof AA van Niekerk.
- SMIT M. *Filosofie: Einde of transformasie?* Magister studieleier: Prof AA van Niekerk.
- TALJAARD MV. *Gemeenskapsontwikkeling as dinamiese proses: 'n Wysgerig-etiese ondersoek*. Doktorale promotor: Dr JP Hattingh.

VAN DEN HEEVER JA. *Darwin and biological understanding*. Magister studieleier: Dr FP Cilliers.

VAN DER MERWE WJP. *A philosophical investigation of the idea of the regression of modern art*. Magister studieleier: Dr JP Hattingh.

VAN DER MERWE WL. *Filosofie en sosiokulturele diversiteit*.

VAN NIEKERK AA. *Filosofiese perspektiewe op pyn en dood*.

VAN NIEKERK AA. *Rasionaliteit en relativisme in die Filosofie van die Menswetenskappe*.

VAN ZYL LL. *Death and compassion: A philosophical analysis of the concepts of "death" and "compassion" as applied to the ethical problems related to euthanasia*. Doktorale promotor: Prof AA van Niekerk.

VOGES FWJ. *Implementing environmental values in management: A theoretical overview and case studies*. Doktorale promotor: Dr JP Hattingh.

## **frans / french**

### **Tydskrifartikels/Journal articles**

MEIRING E. Die ander Nostradamus: 'n "Towenaar" met die woord. *Tydskrif vir Letterkunde* 1995; **33**(4): 51-60.

### **Doktoraal afgehandel/Doctoral completed**

CLARKE JH. *Jean Ray, High Priest of the Fantastic: the Spiritual World of the Contes*. D.Litt., 1996. 250 pp. Promotor/medepromotor: Prof E Meiring/prof J de Vynck.

### **Magister afgehandel/Master's completed**

VENTER E. *A reading of Camus's L'Etranger through the imaginary eyes of Michel Foucault with specific reference to "Carceral Society"*. M.A. cum laude, 1996. 124 pp. Promotor/medepromotor: Prof E Meiring/prof J de Vynck.

## **geografie en omgewingstudie (Waarby ingesluit die Sentrum vir Geografiese Analise) / geography and environmental studies (Including the Centre for Geographical Analysis)**

### **Tydskrifartikels/Journal articles**

BEYERS N, GIE RP, ZIETSMAN HL, KUNNEKE MM, TATLEY M, DONALD PR. The use of a geographical information system to evaluate the distribution of tuberculosis in a high incidence community. *South African Medical Journal* 1996; **86**(1): 40-44.

MACKAY CH, ZIETSMAN HL. Assessing and monitoring rangeland condition in extensive pastoral regions by using satellite remote sensing and GIS

techniques: An application to the Ceres Karoo region of South Africa. *African Journal of Range and Forage Science* 1996; **13**(3): 100-112.

VAN DER MERWE IJ. From apartheid to integration: A role for the Society of South African Geographers. *The South African Geographical Journal* 1996; **78**(2): 55-58.

VAN DER MERWE IJ. Geolinguistics of European minority groups in Cape Town. *Tijdschrift voor Economische en Sociale Geografie* 1996; **87**(2): 146-160.

VAN DER MERWE IJ. Language related rural-urban differences in South Africa. *Geography Research Forum* 1996; **16**: 63-79.

VAN DER MERWE IJ, WILLIAMS CH. Mapping the multilingual city: A research agenda for urban geolinguistics. *Journal of Multilingual and Multicultural Development* 1996; **17**: 49-66.

VAN DER MERWE IJ, ELOFF PJ. Byeboere en vrugteboere in Suid-Wes Kaapland: 'n Simbiose. *Acta Academica* 1996; **28**(1): 62-76.

### **Verrigtinge internasionaal/Proceedings international**

VAN HUYSTEEN MKR, NEETHLING JPN. *Resort development in the False Bay recreational fringe of metropolitan Cape Town*. Verrigtinge van die Internasionale Geografiese Unie se "Commission on Urban Development and Urban Life". Kaapstad, 1996: 501-519.

### **Referate internasionaal/Papers international**

BARNARD WS. *White man's land: South Africa and the discourse of environmental determinism*. 28ste Internasionale Kongres van die Geografiese Unie. Den Haag, Nederland, 1996.

VAN DER MERWE IJ. *From apartheid to integration: A role for the society of South African Geographers*. 28ste Internasionale Kongres van die Geografiese Unie. Den Haag, Nederland, 1996.

VAN DER MERWE IJ. *Language related rural-urban differences in South Africa*. 28ste Internasionale Kongres van die Geografiese Unie. Den Haag, Nederland, 1996.

### **Referate nasionaal/Papers national**

BEYERS N, GIE RP, WARREN R, HAUMAN J, VAN HELDEN P, ZIETSMAN HL, DONALD PR. *The distribution and spread of tuberculosis in a community with a high incidence of tuberculosis*. 13de Kongres van die Suid-Afrikaanse Pulmonologie Vereniging. Wilderness, 1996.

ZIETSMAN HL, KUNNEKE MM. *Future urban growth in the RSA*. Tweejarige Konferensie van die Ontwikkelingsvereniging van Suid-Afrika. Stellenbosch, 1996.

### **Boeke/Books**

VAN DER MERWE IJ, RUSH K. *University of Stellenbosch: Origin of Students*. Universiteit van Stellenbosch, 1996. 72 pp.

### **Navorsingsverslae/Research reports**

BARNARD WS, VAN DER MERWE JH. *Die rotsverweringsvorme van die Westelike Matjiesriviergebied*. Wes-Kaapse Natuurbewaringsafdeling, 1996. 31 pp.

DE NECKER PH, UYS JJ, VAN DER MERWE JH. *Urban and periurban farming in the Western Cape: Feasibility of a development mechanism for the private sector*. Publikasie No 35/1996, Sentrum vir Geografiese Analise en Departement Geografie en Omgewingstudie, US, 1996. 44 pp.

ZIETSMAN HL, ELOFF PJ. *Toekomstige stedelike groei in die RSA (1995-2005)*. Publikasie No 32/1996, Sentrum vir Geografiese Analise, US, 1996. 197 pp.

ZIETSMAN H, VLOK AC, NEL I. *The identification of irrigated land in an intensively cultivated agricultural area in the South Western Cape by means of satellite remote sensing*. Verslag 440/1/96, Waternavorsingskommissie, Pretoria, 1996. 197 pp.

### **Magister afgehandel/Master's completed**

CEDRAS LD. *Die implikasies van landelik-stedelike interaksie vir plaaslike owerheidsbestuur in die Stellenbosch-distrik*. M.A., 1996. 137 pp. Studieleier: Prof IJ van der Merwe.

MÜLLER JJ. *Die herstrukturering van openbare gemeenskapsdienste in die Tygerberg stedelike omgewing, Kaapstad*. M.A., 1996. 145 pp. Studieleiers: Proff IJ van der Merwe en HL Zietsman.

PENDERIS SP. *Informal settlement in the Helderberg Basin: People, place and community participation*. M.A., 1996. 193 pp. Studieleier: Prof IJ van der Merwe.

STEYL I. *Solid waste in rural Stellenbosch: Nature, extent and handling strategies*. M.A., 1996. 151 pp. Studieleier: Dr JH van der Merwe.

VISSER GE. *The geography of guest houses in the Western Cape Province*. M.A., 1996. 182 pp. Studieleier: Mnr MKR van Huyssteen.

### **Projekte lopend/Projects current**

BADENHORST NC. *The development of an operational decision support system for agricultural drought management in South Africa using satellite remote sensing*. Doktorale promotor: Prof HL Zietsman.

BARNARD WS. *Die grondslae van Suid-Afrikaanse geografie*.

BEYERS N, GIE RP, ZIETSMAN HL, KUNNEKE MM, TATLEY M, DONALD PR. *Die voorkoms en verspreiding van tuberkulose in Ravensmead en Uitsig, Kaapstad*.

BOTHA A. *Identifisering van mesotermiese streke in die Stellenbosch-omgewing: GIS-modellering van inkomende sonstrale*. Magister studieleier: Prof HL Zietsman.

BUCCHIANERI ER. *Walvistoerisme - gruwel of goudmyn? Die geval Groter Hermanus*. Magister studieleier: Dr PH de Necker.

COOPER A, ZIETSMAN HL, LOCHNER FC. *Die ontwikkeling van 'n geoklassifikasiesetel vir GIS in Suid-Afrika*.

DE NECKER PH. *Urban food supply systems with emphasis on informal food production in and around cities*.

DONALDSON SE. *Post-apartheid restructuring in a dispersed city: A case study of Pietersburg and its peripheral towns*. Doktorale promotor: Prof IJ van der Merwe.

FRONEMAN CA. *Die rol van aftree-orde binne die behuisingsstelsel vir bejaardes in groter Kaapstad: 'n stedelik-geografiese perspektief*. Doktorale promotors: Mnr MKR van Huyssteen en prof IJ van der Merwe.

KOTZE NJ. *Gentrifikasie as stedelik geografiese verskynsel in Kaapstad*. Doktorale promotor: Prof IJ van der Merwe.

MOETI LD. *An assessment of the irrigation potential of the Lesotho Highlands Water Project in the Lower Senque Valley*. Doktorale promotors: Prof HL Zietsman en mnr BHA Schloms.

NEETHLING JPN. *Kusoordontwikkeling in die Valsbaai-periferie van die Kaapse metropool*. Magister studieleier: Mnr MKR Van Huyssteen.

NEMBUDANI ME. *Geographical analysis of public open spaces for recreational use in Guguletu, Cape Town*. Magister studieleier: Prof IJ van der Merwe.

OELOFSE M. *Geïntegreerde bekkenbestuur en die Buffeljagsrivier as varswaterhulpbron*. Magister studieleiers: Mnr BHA Schloms en dr JH van der Merwe.

REHDER A. *Die impak van kusontwikkeling op die bestuur en bewaring van argeologiese vindplase langs die Weskus, Suid-Afrika*. Magister studieleier: Mnr BHA Schloms.

REYNEKE HJ. *Die effek van die apartheidstelsel op die struktuur en funksionering van Mmabatho/Mafikeng stedelike kompleks en sy toekomstige rol as provinsiale hoofstad*. Doktorale promotor: Prof IJ van der Merwe.

STEYN E. *Ontwikkelingspotensiaal van wateroppervlaktes vir buiteligugontspanning en ekotoerisme in die sentrale Breëriviervallei*. Magister studieleier: Mnr MKR van Huyssteen.

TAITE G. *Die selektering van optimale terrein met 'n GIS vir die aanplant van wingerdkultivars*. Magister studieleier: Prof HL Zietsman.

VAN DER MERWE IJ. *Verstedeliking en taalpatrone in Suid-Afrika: 'n Geografiese perspektief*.



VAN DER MERWE JH. *GIS-aided land evaluation and decision-making for regulating urban expansion in Cape Town.*

VAN DER MERWE JH. *'n Rol vir geografie in die bewaring en bestuur van rotskuns in die Wes-Kaap.*

VAN DER MERWE JH, KUNNEKE MM. *Die hantering van afvalproduksie uit die wynmaakproses in die Stellenbosch-distrik.*

VAN DER MERWE JH, KUNNEKE MM, VAN HUYSSTEEN MKR. *Die uitwerking van veranderde plaaslike bestuur op die ontwikkelingsmomentum aan die stadsrand.*

VAN DER MERWE JH, VAN ROOYEN C, VAN WIJK C. *Finding suitable land for low-cost housing in Stellenbosch through community participation.*

VAN HUYSSTEEN MKR. *Patrone en impakte van strookverbouing in die Sentrale Sandveld.*

VAN NIEKERK A. *Die ontwikkeling van geografiese inligtingstelsels vir omgewingsbestuur in Wes-Kaap.* Magister studieleier: Prof HL Zietsman.

## **geskiedenis / history**

### **Tydskrifartikels/Journal articles**

EHLERS A. Weerstand teen apartheid/Resistance to apartheid. *Gister en Vandag/Yesterday and Today* 1996; **31**: 15-30.

KAPP PH. Die beeldhouer. FA van Jaarsveld die intellektueel. *Tydskrif vir Geesteswetenskappe* 1996; **36**(1): 22-25.

KAPP PH. Conflict en verzoening in de cultuur. *Vlaanderen* 1996: 197-201.

KAPP PH. Die Hugenote se plek en rol in die geskiedenis. *Bulletin van die Hugenote-Vereniging* 1996; **33**: 35-45.

KAPP PH. Die opvoedingsbeeld. FA van Jaarsveld oor die opvoedingsrol en die onderrigtaak van geskiedenis. *Tydskrif vir Geesteswetenskappe* 1996: **36**(2): 130-138.

VENTER C. Weerstand teen apartheid; Suid-Afrika 1976 tot 1994/Resistance to apartheid; South Africa 1976 to 1994. *Gister en Vandag/Yesterday and Today* 1996; **31**: 30-44, 71-84.

VISSER WP. Die politieke, ekonomiese en sosiale gevolge van die ontdekking van minerale t.o.v. arbeid in Suid-Afrika/The political, economic and social consequences of the discovery of minerals for labour in South Africa. *Gister en Vandag/Yesterday and Today* 1996; **32**: 24-40.

### **Referate nasionaal/Papers national**

KAPP PH. *Cultural context and historical text in South Africa - the role of historical consciousness.* HSRC International Symposium: Culture, Communication, Development. Pretoria, 1996.

## Boeke/Books

KAPP PH. *Genl. Hertzog as mobiliseerder en versoener — 'n historiese perspektief*. Hertzog-gedenklesing XXV. Suid-Afrikaanse Akademie vir Wetenskap en Kuns, Pretoria, 1996. 22 pp.

## Hoofstukke in boeke/Chapters in books

VISSER WP. Ou beskawings in pre-koloniale Afrika. *Wêreldspektrum*, 1996: 44-49.

## Doktoraal afgehandel/Doctoral completed

GOOSEN D. *Fasette van Suid-Afrika se administrasie van rasseverhoudinge in die politiesone in Suidwes-Afrika en inwoners se reaksie daarop, 1915-1925*. Ph.D., 1996. 350 pp. Promotor: Dr G Pool.

## Projekte lopend/Projects current

BARNARD JMM. *Die Erika Theron-kommissie, 1973-1976: 'n historiese studie*. Magister studieleier: Dr C Venter.

BURGER P. *Die invloed van die Anglo-Boereoorlog op die burgerlike bevolking van Oudtshoorn, 1899-1902*. Magister studieleier: Dr C Venter.

EHLERS A. *Die geskiedenis van Boland Bank se eksekuteurskamers en trustmaatskappye tot 1971*. Doktorale promotor: Prof DJ van Zyl.

ENSLIN R. *Die geskiedenis van die Junior Rapportryer-beweging, 1958-1983*. Magister studieleier: Prof PH Kapp.

FORTUIN SD. *Die Wet op Groepsgebiede (No. 41 van 1950), soos gewysig in 1957, met spesiale verwysing na die toepassing daarvan op Bellville en Bonteheuwel tot 1965*. Doktorale promotor: Dr C Venter.

HEIBERG JP. *Dr AL Geyer as Suid-Afrika se Hoë Kommissaris in Londen (1950-1954)*. Doktorale promotor: Prof PH Kapp.

HERBST RO. *Die Kareebergrens — aspekte van 'n grenssituasie gedurende die neëntiende eeu*. Doktorale promotor: Prof DJ van Zyl.

HOFMEYR GS. *Die geskiedenis van King William's Town*. Doktorale promotor: Prof PH Kapp.

KAPP PH. *Europese samewerking sedert 1945*.

KAPP PH. *Geskiedenis van die Westerse beskawing sedert die Tweede Wêreldoorlog*.

KAPP PH. *Die nawerking van die Koue Oorlog*.

KAPP PH. *Stellenbosch akademici en die Afrikaanse volkslewe*.

KOPERSKI K. *William Fehr (1892-1968) and his contribution to the study of South African history and culture*. Doktorale promotor: Prof PH Kapp.

LAUBSCHER C.J. *Die toepassing en die invloed van die Wet op Groepsgebiede 1960 (soos gewysig) op Distrik Ses in Kaapstad*. Doktorale promotor: Prof DJ van Zyl.

LUND H. *Die ontwikkeling van NAVO se struktuur en strategie, 1955-1969*. Magister studieleier: Prof PH Kapp.

PUNT LF. *Die smoushandel in die geskiedenis van die Kaapse Oosgrens, 1830-1850*. Doktorale promotor: Dr C Venter.

STALS ELP, POOL B. *Bibliografie van Afrikaanse/Nederlandse publikasies in Suid-Afrika oor die geskiedenis van Suid-Afrika*.

SWART BLG. *Die Engelstalige pers in Suid-Afrika se invloed op die politieke loopbaan van genl L Botha, 1902-1910*. Doktorale promotor: Dr C Venter.

SWIEGERS J. *Die vroeë politieke loopbaan van J.H. Hofmeyr, 1933-1939*. Magister studieleier: Dr C Venter.

VAN DEVENTER A. *Rumania and Southern Africa, 1965-1989*. Doktorale promotor: Prof PH Kapp.

VAN ZYL DJ. *Die eerste Van Zyls in Suid-Afrika gedurende die 18de eeu*.

VAN ZYL DJ. *Die geskiedenis van die Lenings- of Lombardbank, 1793-1842*.

VAN ZYL DJ. *William Duckitt, eerste Engelsprekende landboupionier aan die Kaap*.

VENTER C. *Die invloed van die Ango-Boereoorlog op Burghersdorp, 1899-1902*.

VENTER C. *Jotham Joubert: Parlements lid en Kaapse Rebel, 1841-1903*.

VISSER GE. *Die geskiedenis van die Suid-Afrikaanse Militêre Akademie, 1950-1990*. Doktorale promotor: Prof PH Kapp.

VISSER WP. *Die rol van die pers in die politieke en ekonomiese mobilisasie van georganiseerde blanke arbeidersbewegings in Suid-Afrika, 1908-1924*. Doktorale promotor: Prof DJ van Zyl.

## **godsdienkunde / religious studies**

### **Tydskrifartikels/Journal articles**

BOTHA J. The Bible in South African public discourse – with special reference to the right to protest. *Scriptura* 1996; **3**(58): 329-343.

CLARKE PB. Christian relations with Islam and African traditional religions in West Africa. *Scriptura* 1996; **1**(56): 69-78.

CLARKE PB. Christianity and nation building in West Africa (c. 1880 - c. 1980). *Scriptura* 1996; **1**(56): 1-14.

CLARKE PB. The Islamic millenarian tradition in West Africa with special reference to Nigeria: aims and impact. *Scriptura* 1996; **1**(56): 15-39.

CLARKE PB. The response to prophesy: an African case study. *Scriptura* 1996; **1**(56): 41-67.

ROBBINS VK. The dialectical nature of early Christian discourse. *Scriptura* 1996; **4**(59): 353-362.

ROBBINS VK. Making Christian culture in the Epistle of James. *Scriptura* 1996; **4**(59): 341-351.

### **Referate internasionaal/Papers international**

BOTHA J. *The use and abuse of appeals to religious authority in the South African Parliament (January - May 1996)*. Second International Symposium of the Association for Rhetoric and Communication in Southern Africa. Stellenbosch, 1996.

LATEGAN BC. *Knowing Christ 'kata sarka'. 2 Cor. 5:16 as a continuing problem for translators*. Translation Seminar, SNTS/UBS. Strassbourg, 1996.

LATEGAN BC. *Philosophy, process, practice*. Report on a South African experience. International Seminar on 'Human Scale Development in Action'. Santiago, Chile, 1996.

LATEGAN BC. *Values as the basis for social transformation*. International Seminar of the Institute of Political Studies of Polish Academy of Sciences. Nieborów, Poland, 1996.

LATEGAN BC. *Worlds behind, in and in front of the text*. 51st SNTS International Meeting. Strassbourg, 1996.

### **Referate nasionaal/Papers national**

KINGHORN J. *The impact of religion on South Africa's elite's*. South African Academy of Religion. University of the Witwatersrand, Johannesburg, 1996.

TROSKIE S. *Religion – aspect or process of life?* South African Academy of Religion. University of the Witwatersrand, Johannesburg, 1996.

### **Magister afgehandel/Master's completed**

COETZER GJ. *Histories op soek na die eenheid van eenheid en verskeidenheid: 'n ontdekkingsreis na Nicolas van Kues (1401-1464)*. M.A., 1996. 169 pp. Studieleier: Prof J Kinghorn.

DE JONGH C. *A critical analysis of contemporary developments in Christology in Africa*. M.A. cum laude, 1996. 132 pp. Studieleier: Prof J Kinghorn.

KIM Y-M. *Lyrics in Bible-education: Its role and function in children's religious development*. M.A., 1996. 222 pp. Studieleier: Dr CD Roux.

### **Projekte lopend/Projects current**

BOTHA J. *Human rights and the Bible in South Africa*.

BOTHA J. *The New Testament and the South African public discourse.*

BUSAKWE DF. *Dyadic personality in the New Testament and Ubuntu in Africa: a comparative study.* Magister studieleier: Dr J Botha.

COETZEE MH. *Kontinuiteit en diskontinuiteit tussen Kuyper en die apartheidssteoloë ten opsigte van die rol wat die volkereverskeidenheid speel in die openbaring van God se genade.* Doktorale promotor: Prof J Kinghorn.

CORNELIUS EM. *Die effektiwiteit van die argumentvoering binne die retoriese situasie van die Tessalonisense-korrespondensie.* Doktorale promotor: Dr J Botha.

HOFFMAN T. *Vreemdelinge of bekendes? BJ Malina se kultureel-antropologiese bydrae tot die verstaan van die Nuwe Testament.* Magister studieleier: Dr J Botha.

KINGHORN J. *'n Ondersoek na die teologies-antropologiese beskouinge van die vernaamste ideologiese strominge in Suid-Afrika.*

LATEGAN BC. *Developing common values in polarised contexts in both the private and public sectors.*

MÜLLER HP. *Godsdien en modernisasie in Afrika.*

MÜLLER HP. *'n Ondersoek na aspekte van die verhouding tussen die Christelike godsdien en mag in die twintigste eeu.* Doktorale promotor: Prof J Kinghorn.

MÜLLER HP. *Tradisie en refleksiwiteit – Aspekte van die interaksie tussen tradisie en moderniteit.*

PIENAAR S. *Die hantering van godsdien in die skool in 'n nuwe bedeling vir Suid-Afrika.* Magister studieleier: Prof J Kinghorn.

SWART I. *Church and poverty: participation of the church in socio-economic development in South Africa with special reference to the Dutch Reformed Church, Roman Catholic Church and the Independent Black Churches.* Doktorale promotor: Prof J Kinghorn.

TROSKIE S. *Religie as mensontwikkeling – 'n studie van John Cumpsty se teorie.* Magister studieleier: Prof J Kinghorn.

VAN RENSBURG ER. *'n Kritiese ontleding van John Cumpsty se teorie.* Magister studieleier: Prof J Kinghorn.

VELDTMAN K. *Die opdrag tot 'vyandsliefde' (Mt 5:44) – 'n kruiskulturele studie tussen die Mattheusgemeenskap en die Afrikanergemeenskap.* Magister studieleier: Dr J Botha.

VILANCULO AB. *Poverty in Africa: Social theoretical perspectives on aspects of religion and poverty in an African context.* Magister studieleier: Mnr HP Müller.

WILLEMSE B. *Christianity between cultures: Hermeneutical aspects of the translation of the 'Jesus' film into Chiyao.* Magister studieleier: Prof J Kinghorn.

## GRIEKS / GREEK

### Tydskrifartikels/Journal articles

CONRADIE PJ. Debates surrounding an approach to African tragedy. *South African Theatre Journal* 1996; **10**(2): 25-34.

PAUW FR. Aristophanes' Nachleben and other post-Renaissance disasters. *Akroterion* 1996; **41**(3-4): 161-186.

THOM JC. Kleantes se Himne aan Zeus. *Akroterion* 1996; **41**(1-2): 44-57.

VAN BEEK P. Een Vrouwenrepubliek der Letteren? Anna Maria van Schurman (1607-1678) en haar netwerk van geleerde vrouwen. *Tydskrif vir Nederlands en Afrikaans* 1996; **3**(1): 36-50.

### Referate internasionaal/Papers international

THOM JC. *The passions in Neopythagorean writings*. Society of Biblical Literature Annual Meeting. New Orleans, USA, 1996.

VAN BEEK P. *Anna Maria van Schurman, the star of Utrecht and her European Women's Republic of letters*. European Summer School in Women's Studies from Interdisciplinary and Multicultural Perspectives. Utrecht, Nederland, 1996.

VAN BEEK P. *Klein werk: de Opuscula Hebraea, Graeca, Latina et Gallica; prosaica et metrica van Anna Maria van Schurman (1607-1678)*. Anna Maria van Schurman-Symposium. Utrecht, Nederland, 1996.

VAN BEEK P. *One tongue is enough for a woman: Anna Maria van Schurman (1607-1678): Networking with learned ladies in the Res Publica Litterarum*. Annual Meeting of the American Association for Netherlandic Studies. New York, USA, 1996.

### Referate nasionaal/Papers national

PAUW FR. *Die onderbenutting van sintaktiese struktuurooreenkomste tussen Antieke Grieks en Afrikaans/Engels in die onderrig van Grieks via Afrikaans*. Klassieke Vakindaba. Vaaldam, 1996.

THOM JC. *'Do you understand what you are reading?' Theory and practice of stereoscopic reading*. Nuwe Testamentiese Werkgemeenskap van Suid-Afrika Jaarkongres. Pretoria, 1996.

VAN BEEK P. *Het grote geheim van Anna Maria van Schurman. Die vrouestem in Afrikaans*. Simposium, Universiteit van Stellenbosch. Stellenbosch, 1996.

### Boeke/Books

LANDON CH. *A text critical-study of the Epistle of Jude*. Sheffield, 1996. 172 pp.

### Hoofstukke in boeke/Chapters in books

VAN BEEK P. "O Utrecht, Lieve Stadt": Poems in Dutch by Anna Maria van Schurman. In: De Baar M, et al, (eds). *Choosing the better part: Anna Maria van Schurman (1607-1678)*. Kluwer, 1996: 69-85.

### **Doktoraal afgehandel/Doctoral completed**

DANIELS J. *Die rol van die noodlot in enkele Euripideïese tragedieë*. D.Litt., 1996. 203 pp. Promotor: Prof PJ Conradie.

### **Projekte lopend/Projects current**

JANSE VAN RENSBURG PJ. *Hoor en doen: Musonius Rufus en die Bergrede*. Magister studieleier: Prof JC Thom.

PAUW FR. *The classical intertext in selected recent novels*. Doktorale promotor: Prof PJ Conradie.

THOM JC. *Cleanthes' Hymn to Zeus: a commentary*.

THOM JC. *Stoicism and early Christianity*.

## **inligtingkunde / information science**

### **Referate internasionaal/Papers international**

VAN DER WALT MS. *Professional education for networked library co-operatives: a case study of CALICO (the Cape Library Co-operative)*. 48ste Konferensie en Kongres van die Internasionale Federasie vir Dokumentasie en Inligting. Graz, Oostenryk, 1996.

### **Magister afgehandel/Master's completed**

KRUGER YE. *A literature study on total quality, with special reference to service quality, and its application to libraries*. M.Bibl., 1996. 207 pp. Studieleier: Prof JH Viljoen.

VISSER Y. *User education needs assessment: a proposed model for the University of Stellenbosch Library Service*. M.Bibl. cum laude, 1996. 177 pp. Studieleier: Prof JH Viljoen.

### **Projekte lopend/Projects current**

MARITZ A. *Die identifikasie en bestuur van stressors van vakbibliotekaris in universiteitsbiblioteke*. Magister studieleiers: Drr RE Pienaar en A Duvenhage.

STEYN H. *Inligtingsdiens aan toeriste in die openbare biblioteek, met spesiale verwysing na die Milnertonse Openbare Biblioteek*. Magister studieleier: Dr MS van der Walt.

VON DURCKHEIM-MONTMARTIN MEG. *'n Struktuurplan vir die Biblioteekdienste van die Universiteit van Stellenbosch*. Doktorale promotor: Prof JH Viljoen.

## **joernalistiek / journalism**

## Tydskrifartikels/Journal articles

CLAASSEN GN. News as Vaudeville: the dramatic image, news diffusion and demise of cultural literacy through show business. *South African Theatre Journal* 1996; **10** (2): 101-115.

CLAASSEN GN. Violence on television: the South African Approach. *Ecquid Novi* 1996; **17**(1): 117-123.

## Referate nasionaal/Papers national

CLAASSEN GN. *Writing, editing and translation - the new media and industrial editors*. Kongres van die Suid-Afrikaanse Vereniging vir Bedryfsredakteurs. Wildernis, 1996.

MALAN P. *Ethical issues and digital manipulation in press photography*. Kongres van die Suid-Afrikaanse Vereniging van Persfotograwe. Grahamstad, 1996.

## Projekte lopend/Projects current

BREYTENBACH MM. *The manipulation of public opinion by censorship of the media during the demise of white rule in Southern Africa (1974-1994)*. Doktorale promotors: Proff GN Claassen en LM du Plessis.

CILLIERS I. *Lynbestuur en interne kommunikasie, met spesifieke verwysing na interne kommunikasie in Sanlam*. Magister studieleier: Prof GN Claassen.

CLAASSEN GN. *Kulturele geletterdheid en die media in Suid-Afrika*.

DE WET S. *Newspapers in the new media world: Evolution or extinction? A perspective on change*. Magister studieleier: Prof GN Claassen.

HUMAN JF. *Effektiewe klankopnames vir enkelkamera televisieverslaggewing*. Magister studieleier: Prof GN Claassen.

LE ROUX M. *'n Ondersoek na die balans tussen verslaggewing en die skending van privaatheid in die Suid-Afrikaanse Pers*. Magister studieleier: Prof GN Claassen.

## LATYN / LATIN

## Tydskrifartikels/Journal articles

CLAASSEN JM. Documents of a crumbling marriage: The case of Cicero and Terentia. *Phoenix* 1996; **50**(3-4): 1-23.

CLAASSEN JM. Germanicus revisited - and revised? *Akroterion* 1996; **41**(3-4): 133-150.

KOTZÉ A. Tacitus' account of the Pannonian revolt (Ann. 1.16-30). *Akroterion* 1996; **41**(3-4): 124-132.

THOM S. "That no man lives forever": Horace on the death of Quintilius (1.24). *Akroterion* 1996; **41**(3-4): 114-123.



VAN STEKELENBURG AV. The southern limits of Africa in ancient geography. *Akroterion* 1996; **41**(1-2): 58-73.

### **Verrigtinge internasionaal/Proceedings international**

CLAASSEN JM. *Dio's Cicero and the consolatory tradition*. Papers of the Leeds International Latin Seminars. 1996; **9**: 29-45.

### **Referate internasionaal/Papers international**

CLAASSEN JM. *Aere Perennius? The endurance or obsolescence of Classical education: African options*. Memory, history and critique: European identity at the millennium. International Society for the study of European ideas. Utrecht, Nederland, 1996.

### **Referate nasionaal/Papers national**

KOTZÉ A. *Die gebruik van die Oxford Latin Course (Deel I en II) in die onderrig van Latyn aan die U.S.* Klassieke Vakindaba. Vaaldam, 1996.

THOM S. *'n Gestruktureerde M.A. in Klassieke Kultuur oor afstand: Nuwe moontlikhede vir die Klassieke*. Klassieke Vakindaba. Vaaldam, 1996.

ZIETSMAN JC. *Die tweedejaarskursus in Klassieke Regskultuur op Stellenbosch*. Klassieke Vakindaba. Vaaldam, 1996.

### **Magister afgehandel/Master's completed**

JANSE VAN RENSBURG CM. *Geselekteerde briewe van Paulinus van Nola*. M.A., 1996. 171 pp. Studieleier: Mev A Kotzé.

### **Projekte lopend/Projects current**

CLAASSEN JM. *The interface between Latin and Black language structure*.

CLAASSEN JM. *Ovid's exilic vocabulary*.

CLAASSEN JM. *Women in Livy's early books*.

KOTZÉ A. *'n Ondersoek na die wisselwerking tussen artistieke en politieke oorwegings as struktuurgewende beginsels in die Annales van Tacitus met aandag aan diepliggende betekenis en die wil om nie-eksplisiet uitdrukking te gee aan politieke en historiese oordele*.

THOM S. *Die amator-reiectus motief by Catullus*.

THOM S. *Poetic motivation in Sappho*.

VAN BEEK P. Klein werk: *De Opuscula Hebraea Graeca Latina et Gallica van Anna Maria van Schurman (1607-1678)*. Doktorale promotor: Prof AV van Stekelenburg.

ZIETSMAN JC. *Kommentaar op Cicero se Somnium Scipionis (De Republica VI)*.

## maatskaplike werk / social work

### Tydskrifartikels/Journal articles

BOTHA NJ, CRONJÉ JI. Die beroepsbydrae van US-gegradueerde maatskaplike werkers, 1940-1989. *Social Work/Maatskaplike Werk* 1996; **32**(4): 308-323.

CRONJÉ JI. The role of social work management in the empowerment of communities and clients. *Social Work/Maatskaplike Werk* 1996; **32**(1): 37-44.

HOWES MF. The contribution of social work in solving the crime problem in South Africa. *Acta Criminologica* 1996; **9**(1): 33-39.

HOWES MF. Ethical implications of a human rights culture for social work practice. *Social Work/Maatskaplike Werk* 1996; **32**(3): 205-214.

### Navorsingsverslae/Research reports

BOTHA NJ, CRONJÉ JI. *Die beroepsbydrae van US-gegradueerde maatskaplike werkers, 1940-1989*. Departement Maatskaplike Werk, US, 1996. 49 pp.

HOWES MF, GREEN S. *Buite-egtelike moederskap in die Paarl-Wellingtongebied: Die tienermoeder se versorgingspotensiaal en steunstelsel*. RGN, 1996. 37 pp.

### Doktoraal afgehandel/Doctoral completed

BOOLEY MS. *The development of participatory management in supervision: An evaluative study*. D.Phil., 1996. 323 pp. Promotor: Prof JI Cronjé.

KRUGER SP. *Intensiewe gesinsinstandhoudingsdienste: Riglyne vir 'n maatskaplikewerk-model ter voorkoming van substituutsorg*. D.Phil., 1996. 216 pp. Promotor: Prof NJ Botha.

### Magister afgehandel/Master's completed

CAROLUS ZE. *Die bestuursfunksie van die streekdirekteur binne die Diakonale Dienste Organisasie van die Verenigende Gereformeerde Kerk*. M.A. in Maatsk. Werk, 1996. 130 pp. Studieleier: Prof JI Cronjé.

ENGELBRECHT LK. *Die toepassing van die ondersteuningsfunksie in supervisie aan voorgraadse maatskaplikewerkstudente*. M.A. in Maatsk. Werk cum laude, 1996. 130 pp. Studieleier: Prof JI Cronjé.

ENRIGHT DM. *Die rol van die maatskaplike werker in die aanbieding van indiensopleidingsprogramme vir personeel in tehuise vir bejaardes in die Wes-Kaap*. M.A. in Maatsk. Werk, 1996. Studieleier: Prof JI Cronjé.

LEMBOE CR. *Maatskaplikewerkbestuur in Diakonale Dienste van die Verenigende Gereformeerde Kerk*. M.A. in Maatsk. Werk, 1996. 150 pp. Studieleier: Prof NJ Botha.

THERON LF. *Die rol van supervisie t.o.v. werksbevrediging in maatskaplike werk.* M.A. in Maatsk. Werk cum laude, 1996. 109 pp. Studieleier: Prof NJ Botha.

## **Projekte afgehandel/Projects completed**

FOURIE DP, GOOSEN W. *'n Program vir dwelmrehabilitasie binne 'n gevangenisopset.*

## **Projekte lopend/Projects current**

ARENDSE R. *Die invloed van die supervisor se bestuurstyl op die motivering van die maatskaplike werker in die Suid-Afrikaanse Nasionale Weermag.* Magister studieleier: Prof NJ Botha.

BAARDTMAN DA. *A training programme for social work supervision in the Provincial Administration Western Cape.* Magister studieleier: Prof JI Cronjé.

BEETS HM. *'n Ondersoek na die rol van die Verenigende Gereformeerde Kerk t.o.v. maatskaplike dienslewering aan bejaardes.* Doktorale promotor: Prof NJ Botha.

BLOM J. *Frekwensie en doeltreffendheid van portuurgroep-supervisie binne 'n gesinsorganisasie.* Magister studieleier: Prof NJ Botha.

BOTHA NJ. *Strukturering van 'n kurrikulummodel vir onderwys in Suid-Afrika (sosiale dienste).*

CONRADIE CH. *Evaluering van maatskaplikewerksupervisors in die Suid-Afrikaanse Nasionale Weermag.* Magister studieleier: Prof JI Cronjé.

CORRIE L. *Social work programmes for street children in South Africa.* Doktorale promotor: Dr S Green.

DE KLERK GM. *Die motivering van maatskaplike werkers as 'n bestuursfunksie in die Suid-Afrikaanse Polisie.* Magister studieleier: Prof JI Cronjé.

DE SWARDT HL. *'n Maatskaplikewerk-evaluering van potensiële kandidate vir kogleëre inplantings.* Doktorale promotor: Prof NJ Botha.

DE WET J. *Die effektiewe benutting van kinderveiligheidskeertoestelle in motors met spesiale verwysing na die opvoedersrol van die maatskaplike werker.* Magister studieleier: Prof JI Cronjé.

DIPPENAAR ABJ. *Die funksie van die natuurlike helper in 'n selfonderhoudende ontwikkelingsproses by plaasgemeenskappe wat deur die Landelike Stigting bedien word.* Magister studieleier: Dr S Green.

DU PLESSIS MJM. *A case management programme for organizations in the Western Cape rendering services to people living with Aids.* Doktorale promotor: Prof JI Cronjé.

DU PREEZ J. *Die benutting van sosiodrama in die rehabilitasieprogram van pre-primêre, serebraalgestremde leerlinge in 'n spesiale skool.* Magister studieleier: Dr S Green.

DU TOIT E. *Die rol van die maatskaplike werker in die voorbereiding van die kleuter op hospitalisasie.* Magister studieleier: Dr S Green.

ELS T. *Paraselfmoord as manifestasie van onverwerkte seksuele molestering. 'n Vergelykende studie onder adolessente.* Magister studieleier: Dr S Green.

FRANKEN E. *Evaluering van praktykopleiding van finalejaarstudente in die maatskaplike werk.* Magister studieleier: Dr S Green.

GANYAZA TZ. *The effectiveness of multidisciplinary teamwork in a psychiatric hospital with specific reference to Lentegour Hospital.* Magister studieleier: Dr S Green.

GARDNER BA. *The challenges for social work supervision in a changing South Africa with reference to service delivery by Provincial Administration Western Cape: Social Service Branch.* Magister studieleier: Prof NJ Botha.

GREEN S, HENDRY J, VAN ZYL AL. *'n Ondersoek na die interdisiplinêre assessering van die bio-psigososiale funksionering van fisies gestremde persone in die gemeenskap.*

HARASES B. *The magnitude of performance appraisal with regards to motivation and development of social workers of the ministry of Health and Social Services in Namibia.* Magister studieleier: Prof NJ Botha.

HENDRY AE. *'n Personeelbestuursprogram vir maatskaplike werkers in psigiatriese hospitale.* Magister studieleier: Prof NJ Botha.

HEYDENRYCH H. *Leerstyle van maatskaplikewerkstudente aan die Universiteit van Wes-Kaapland: Die implikasies vir praktykopleiding.* Magister studieleier: Prof JI Cronjé.

HUGO AP. *Bestuur van 'n jeugoortrederprogram as hulpmiddel vir die rehabilitasie van jeugoortreders en die voorkoming van misdaad in die Kaapse metropool.* Magister studieleier: Prof NJ Botha.

JASSON E. *The management of a decentralised welfare agency.* Magister studieleier: Prof NJ Botha.

JEFTHA EM. *Maatskaplikewerksupervisie in 'n psigiatriese afdeling van 'n hospitaal.* Magister studieleier: Prof NJ Botha.

KHUSE M. *The role of supervision to increase personnel morale and productivity of child care workers in child care institutions.* Magister studieleier: Dr S Green.

KRUGER A. *Die effek van 'n eerste kind op die huwelike van egpare in die SANW en die implikasies hiervan vir 'n werknemersbystandsprogram.* Magister studieleier: Dr DP Fourie.

LE ROUX E. *Beleid van privaat welsynsorganisasies t.o.v. die inskakeling van studente vir praktykopleiding.* Magister studieleier: Prof NJ Botha.

LUBBE K. *Personeelontwikkelingsprogramme vir voortgesette opleiding van maatskaplike werkers.* Doktorales promotor: Prof NJ Botha.

MALAN JC. *Die rol van die vereniging vir liggaamlike gestremdes t.o.v. die keuring, plasing en opvolging van gestremde werknemers in die bedryf.* Magister studieleier: Dr S Green.

MATTHYSEN RGE. *Die ontwikkeling van voorgraadse studente se vaardigheid in probleemoplossing in die maatskaplikewerkproses.* Doktorale promotor: Dr S Green.

MAZOSIWE M. *Factors influencing stress among social workers in the Eastern Cape.* Magister studieleier: Prof JI Cronjé.

MBUKU ND. *The supervision functions of the supervisor in the South African Police.* Magister studieleier: Dr S Green.

MSHUDULU BC. *The effect of management style and culture on personnel in child care institutions.* Magister studieleier: Dr S Green.

NEL N. *Maatskaplikewerkhulpverlening aan persone wat HIV positief toets.* Magister studieleier: Dr S Green.

NELSON P. *Direct social work practice for persons living with cancer.* Doktorale promotor: Prof NJ Botha.

NOBANDA DB. *The role of the supervisor in supervising the fieldworker at CPA.* Magister studieleier: Dr S Green.

PLAATJIES IC. *Maatskaplikewerkhulpverleningsprogramme vir leerlinge in kinderskole.* Magister studieleier: Dr S Green.

PRETORIUS AJ. *Die ontwikkeling van 'n onderrigmodel vir maatskaplikehulpwerkers in die Suid-Afrikaanse Nasionale Weermag.* Magister studieleier: Prof JI Cronjé.

PRETORIUS AP. *The role and function of occupational social work in a local government structure during a time of transition and change.* Magister studieleier: Prof JI Cronjé.

PRETORIUS W. *Programme vir primêre maatskaplike dienste in die Tygerberg Hospitaal.* Magister studieleier: Dr S Green.

RATAU SL. *The effect of cultural beliefs on patients' interpretation of illness: A medical social work perspective.* Magister studieleier: Dr DP Fourie.

ROSSOUW A. *Evaluering van maatskaplikewerkdienste in die Departement Korrektiewe Dienste: 'n Bestuursperspektief.* Magister studieleier: Prof JI Cronjé.

ROSSOUW PML. *Die gebruik van die rekenaar in die uitvoer van die administratiewe funksie van supervisie.* Magister studieleier: Prof NJ Botha.

SAVILLE VED. *'n Oriënteringsprogram vir maatskaplike werkers in 'n Kinderen Gesinsorgvereniging.* Magister studieleier: Prof NJ Botha.

SMIDT B. *Die rol van die span in die rehabilitasie van pasiënte met bepaalde maatskaplike behoeftes.* Magister studieleier: Prof NJ Botha.

SMIT AdeV. *Financial management of private welfare organizations*.  
Doktorale promotor: Prof NJ Botha.

SWART S. *Riglyne vir die doeltreffende bestuur van skool maatskaplike werk*. Magister studieleier: Prof NJ Botha.

VAN DER MERWE JP. *Die taak van die maatskaplike werker in die hantering van die geweldsoortreder*. Doktorale promotor: Dr S Green.

VAN DER MERWE M. *Krisisingryping en korttermynberaad met jong getraumatiseerde kinders: 'n maatskaplike werk-model*. Doktorale promotor: Prof NJ Botha.

VAN DER MERWE WC. *Die evaluering van die koste-doeltreffendheid van maatskaplike welsynsprogramme*. Magister studieleier: Prof JI Cronjé.

VAN ZYL AS, UYS MS, TRUTER EH, LOCHNER RY, LE ROUX SE, KOTZÉ DJ, GREEN S, FOURIE E. *Interdisciplinary assessment of clients with physical disabilities: An outreach strategy*.

VAN ZYL WPJ. 1996: *Marketing strategies for not-for-profit organizations*.  
Doktorale promotor: Prof JI Cronjé.

WEEKES MS. *Model for formulation of macro and micro social welfare policies in South Africa*. Doktorale promotor: Prof JI Cronjé.

WEITZ E. *The functioning of social services in Namibia five years after independence*. Magister studieleier: Prof JI Cronjé.

WILLIAMS RC. *Die benutting van maatskaplikewerkverslae vir die doeleindes van onderrig in supervisie*. Magister studieleier: Dr S Green.

## **musiek / music**

### **Tydskrifartikels/Journal articles**

GROVÉ IJ. Gawie Cillie, Afrikaanse liederwysies - 'n verdwynende kultuurskat. *Suid-Afrikaanse Tydskrif vir Musiekwetenskap* 1996; **15**: 51-54.

GROVÉ IJ. ME van Blerk, Afrikaanse Verklarende Musiekwoordeboek. *Suid-Afrikaanse Tydskrif vir Musiekwetenskap* 1996; **15**: 54-58.

### **Referate nasionaal/Papers national**

LÜDEMANN WA. *Is the chameleon showing its true colour? Roelof Temmingh at 50*. Jaarlikse Musiekwetenskaplike Kongres van die Musiekwetenskapvereniging van Suidelike Afrika. Potchefstroom, 1996.

### **Magister afgehandel/Master's completed**

LOEB VAN ZUILENBURG P. *Musiek vir koperblaasensemble deur Suid-Afrikaanse komponiste*. M.Mus., 1996. Studieleier: Prof RW Temmingh.

### **Projekte afgehandel/Projects completed**

GROVÉ IJ. *Arnold van Wyk: herdenking en her-denking, 1916-1996.*

GROVÉ IJ. *Musiek in Zuid-Afrika: een Quodlibet.* Vlaanderen.

GROVÉ IJ. *Programaantekeninge vir Afrika Hymnus.*

## **Projekte lopend/Projects current**

BASSON WD. *Die liturgiese funksie van orrelmusiek in die erediens met spesifieke verwysing na die NG Kerk in Suid-Afrika.* Magister studieleier: Prof RE Ottermann.

CLOETE J. *Music and universal laws: A study of cosmic harmony.* Doktorale promotor: Prof RW Temmingh.

COETZEE E. *Naivety as an aesthetic factor in Gustav Mahler.* Magister studieleier: Dr WA Lüdemann.

DU PLESSIS H. *'n Ondersoek na die beluisteringsaspek van algemene musiekopvoeding, met spesiale verwysing na visuele hulpmiddels.* Magister studieleier: Prof RE Ottermann.

ELS NA. *'n Stylkritiese, tegniese-analitiese vergelyking tussen werke van Suid-Afrikaanse komponiste en hulle Europese tydgenote, 1945-1985.* Doktorale promotor: Prof RW Temmingh.

HERBST T. *Musiekteoretiese aspekte in geselekteerde werke van komponiste waar kultuur-vreemde elemente waargeneem kan word.*

KAPP HBTD. *Die musiekhistoriese betekenis van GF Händel se Engelse tydgenote, met spesiale verwysing na Thomas Arne en William Boyce.* Magister studieleier: Prof IJ Grové.

KIRSCH SH. *Psychological aspects of piano teaching at tertiary level.* Magister studieleier/medestudieleier: Prof TWB van der Westhuysen/prof RE Ottermann.

LÜDEMANN W. *Hugo Distler.*

LÜDEMANN W. *Hugo Distler und sein Werk.*

LÜDEMANN W. *Music as a field of knowledge: Tentative steps towards extending the boundaries of traditional music philosophy.*

LÜDEMANN W. *Roelof Temmingh.*

MAY JW. *Schoenberg's free atonal compositions as prototypes for his twelve tone works.* Doktorale promotor: Prof RE Ottermann.

OTTERMANN RE. *Die drukker J. Hundertmark in King William's Town.*

OTTERMANN RE. *Friedrich Enckhausen se musikale invloed op die sendingveld.*

OTTERMANN RE, SMIT M. *Hersiening en uitbreiding van die tweetalige musiekwoordeboek.*

SLABBERT A. *Musiek in 'n veranderende Suid-Afrika: 'n Ondersoek na musiekeestetiese beginsels binne die konteks van multikulturaliteit*. Magister studieleier: Dr WA Lüdemann.

THERON MA. *Die verband tussen beweging, klank en emosie in sangonderrig*.

VAN WALBEEK JM. *Kurrikulum-ontwikkeling vir Ritmiekopleiding vir Onderwyseropleiding in musiek*. Magister studieleier: Prof AE Carl.

## **ou nabye oosterse studie / ancient near eastern studies**

### **Tydskrifartikels/Journal articles**

CARROLL RP. Jeremiah, intertextuality and Ideologiekritik. *Journal of Northwest Semitic Languages* 1996; **22**(1): 15-34.

CLAASSENS LJM. Notes on characterisation in the Jephtah narrative. *Journal of Northwest Semitic Languages* 1996; **22**(2): 107-115.

COOK J. Aspects of the translation technique followed by the translator of LXX Proverbs. *Journal of Northwest Semitic Languages* 1996; **22**(1): 143-153.

COOK J. Following the Septuagint translators. *Journal of Northwest Semitic Languages* 1996; **22**(2): 179-188.

COOK J. The hexaplaric text, double translations and other textual phenomena in the Septuagint (Proverbs). *Journal of Northwest Semitic Languages* 1996; **22**(2): 129-140.

CORNELIUS I. Some additional representations of the god Baal-Seth on seal-amulets. *Journal of Northwest Semitic Languages* 1996; **22**(2): 157-166.

DEIST FE. Biblical interpretation in post-colonial Africa. *Svensk Teologisk Kvartalskrift. Årg* 1996; **72**: 110-118.

DEIST FE. Conservative rebound in Deuteronomy: A case study in social values. *Journal of Northwest Semitic Languages* 1996; **22**(2): 17-30.

DEIST FE. 'Murder in the toilet' (Judges 3:12-30): Translation and transformation. *Scriptura* 1996; **58**(3): 263-272.

DEIST FE. Prophetic discourse: Dialogue, disaster or opportunity? *Scriptura* 1996; **57**(2): 179-192.

FABER VAN DER MEULEN HE. Was Jezus een rabbi? Intertestamentaire en vroeg-rabbijnse overwegingen bij deze vraagstelling. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **37**(2): 427-437.

FABER VAN DER MEULEN H. 'Worden als een kind'. Als welk kind? *Hervormde Teologiese Studies* 1996; **55**(2): 351-375.

FOX M. The strange woman in Septuagint Proverbs. *Journal of Northwest Semitic Languages* 1996; **22**(2): 31-44.



HERMANSON EA. Recognising Hebrew metaphors: Conceptual metaphor theory and Bible translation. *Journal of Northwest Semitic Languages* 1996; **22**(2): 67-78.

KRUGER PA. The removal of the sandal in Deuteronomy XXV 9: "a rite of passage?" *Vetus Testamentum* 1996; **46**(4): 534-539.

KRUGER PA. The psychology of shame and Jeremiah 2:36-37. *Journal of Northwest Semitic Languages* 1996; **22**(2): 79-88.

KRUGER PA. Some further indicators of rank symbolism in the Baal epic. *Ugarit-Forschungen* 1995 (verskyn 1996); **27**: 169-175.

LOBA MKOLE J-C. Une synthèse d'opinions philologiques sur le fils de l'homme. *Journal of Northwest Semitic Languages* 1996; **22**(1): 107-123.

MAFICO TLJ. The divine compound name and Israel's monotheistic polytheism. *Journal of Northwest Semitic Language* 1996; **22**(1): 155-173.

ROGERS JF. Wisdom and creation in Sirach 24. *Journal of Northwest Semitic Languages* 1996; **22**(2): 141-156.

STIPP H-J. Ahabs Buße und die Komposition des deuteronomistischen Geschichtswerks. *Biblica* 1995 (verskyn 1996); **76**(4): 471-497.

STIPP H-J. The prophetic messenger formulas in Jeremiah according to the Masoretic and Alexandrian texts. *Textus* 1995 (verskyn 1996); **XVIII**: 63-85.

VAN DER MERWE CHJ. A Biblical Hebrew reference grammar for theological students. Some theoretical considerations. *Journal of Northwest Semitic Languages* 1996; **22**(1): 125-141.

VAN DER MERWE CHJ. 'n Donker Psalm 88. Moontlike lig vanuit sy taalhandelinge? (A dark Psalm 88. Possible light from its speech acts?). *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **37**(1): 27-38.

VAN DER MERWE CHJ. From paradigms to texts. New horizons and new tools for interpreting the Old Testament. *Journal of Northwest Semitic Languages* 1996; **22**(2): 167-179.

VERVENNE M. Exodus expulsion and Exodus flight. The interpretation of a crux critically re-assessed. *Journal of Northwest Semitic Languages* 1996; **22**(2): 45-58.

## **Verrigtinge internasionaal/Proceedings international**

COOK J. *Exodus 38 and Proverbs 31 - a case of the different order of verses and chapters in the Septuagint. Studies in the Book of Exodus: Redaction - Reception - Interpretation* (BETL, 126). Leuven, België, 1996: 537-549.

## **Referate internasionaal/Papers international**

CORNELIUS I. *Images and aniconism in ancient Near Eastern religions. Symposium on The Image and the Book: Cults, Aniconism and the Veneration of the Holy Book in Israel and the Ancient Near East*, Leiden Institute for the Study of Religions. Leiden, Nederland, 1996.

DEIST FE. *Biblical interpretation in post-colonial Africa*. IV. Colloquium Biblicum. Praag, Tsjeggië, 1996.

VAN DER MERWE CHJ. *A critical evaluation of narrative syntax research with special attention to their relation to discourse analysis*. Simposium van die Nederlandse Onderzoekschoon voor Theologie en Religiewetenskap met die tema Narrative Syntax and the Hebrew Bible. Tilburg, Nederland, 1996.

VAN DER MERWE CHJ. *An overview of Hebrew narrative syntax research*. Simposium van die Nederlandse Onderzoekschoon voor Theologie en Religiewetenskap met die tema Narrative Syntax and the Hebrew Bible. Tilburg, Nederland, 1996.

### **Referate nasionaal/Papers national**

COOK J. *Septuagint Proverbs - An Apocalyptic Writing?* Kongres van die Suider-Afrikaanse Vereniging vir Semitistiek. Durban, 1996.

COOK J. *The theological value of LXX Proverbs*. Kongres van die Ou-Testamentiese Werkgemeenskap van Suid-Afrika. Stellenbosch, 1996.

DEIST FE. *What does it mean to love your neighbour? - A socio-linguistic perspective*. Kongres van die Ou-Testamentiese Werkgemeenskap van Suid-Afrika. Stellenbosch, 1996.

VAN DER MERWE CHJ. *From paradigms to texts. New horizons and new tools for interpreting the Old Testament*. Kongres van die Ou-Testamentiese Werkgemeenskap van Suid-Afrika. Stellenbosch, 1996.

VAN DER MERWE CHJ. *Reconsidering Biblical Hebrew temporal constructions*. Kongres van die Suider-Afrikaanse Vereniging vir Semitistiek. Durban, 1996.

### **Hoofstukke in boeke/Chapters in books**

COOK J. Syriac Studies in South Africa. In: Abouzayd S, (ed.). *A Festschrift for Dr Sebastian P Brock*. ARAM 1993 (verskyn in 1996); 5(1 en 2): 101-114.

### **Navorsingsverslae/Research reports**

COOK J. *The Septuagint of Proverbs - and/or παροιμίαι? (concerning the Hellenistic colouring of LXX Proverbs)*. SWO, 1996. 30 pp.

### **Doktoraal afgehandel/Doctoral completed**

BAINES AV. *Iconography as biography. A study of the Middle Kingdom Egyptian tombs at Beni Hasan, El-Bersha and Meir (c. 2040-2840 B.C.)*. D.Phil., 1996. 369 pp. Promotor: Dr I Cornelius.

MEISTER MF. *Interrogatives in Biblical Hebrew. A case study in the Joseph narrative*. D.Litt., 1996. 192 pp. Promotor: Dr CHJ van der Merwe.

### **Magister afgehandel/Master's completed**

BOSHOFF A. *The predynastic culture of Kafr Tarkhan (c. 5000-3000 BCE) with special reference to the pottery in the South African Cultural History Museum*. M.A. cum laude, 1996. 221 pp. Studieleier: Dr I Cornelius.

CLAASSENS LMJ. *'n Kulturele verwysingsraamwerk vir die literêre interpretasie van die Jeftaverhaal*. M.A. cum laude, 1996. 157 pp. Studieleier: Prof FE Deist.

DALE L. *Aspects of fire rituals in Iranian Zoroastrianism*. M.A., 1996. 110 pp. Studieleier: Prof J Cook.

GERGES FY. *Šlm in Isaiah 40-66*. M.A., 1996. 141 pp. Studieleier: Dr PA Kruger.

GWALA M. *A comparison of ancient Egyptian and ancient Hebrew cosmogonies*. M.A., 1996. 102 pp. Studieleier: Dr I Cornelius.

JACKSON LM. *The function of marked word order in Biblical Hebrew prose: An evaluation of existing theories in the light of 2 Kings*. M.A. cum laude, 1996. 108 pp. Studieleier: Dr CHJ van der Merwe.

MIRKIN YN. *One text, various narratives. An investigation into the reception of the Saul narrative of the Hebrew Bible in three reading communities*. M.A., 1996. 195 pp. Studieleier: Prof FE Deist.

### **Projekte afgehandel/Projects completed**

COOK J. *The Septuagint of Proverbs - and/or παροιμίαι? (concerning the Hellenistic colouring of LXX Proverbs)*.

CORNELIUS I. *Early African cultures*.

CORNELIUS I. *Die kulture van die ou Nabye Ooste 3000-300 v.C. (The cultures of the ancient Near East 3000-300 BCE.)*

CORNELIUS I. *Nubian civilization*.

CORNELIUS I. *The story of the Garden of Eden (Gen 2-3) in the Visual Arts*.

VAN DER MERWE CHJ. *'n Teksgrammatikale perspektief op temporele verwysings in Bybels-Hebreeuse narratiewe tekste. (A textgrammatical perspective on temporal references in Biblical Hebrew narrative texts.)*

### **Projekte lopend/Projects current**

BOSMAN JP. *Paradoks en komplementariteit in die voor-eksiliese Israelitiese wêreldbeskouing. (Paradox and complementarity in the world-view of pre-exilic Israel.)*. Magister studieleier: Prof FE Deist.

CHALICE LB. *The Biblical Hebrew terms and in the book of 2 Kings*. Magister studieleier: Dr CHJ van der Merwe.

CLAASSENS C. *'n Ideologiekritiese ondersoek na die epiloog van Qohelet. (An ideology critical investigation into the epilogue to Qohelet.)*. Magister studieleier: Prof FE Deist.

COETZEE A. *Urbanisasie in Palestina: 9de en 8ste eeue v.C. (Urbanization in Palestine: 9th and 8th centuries BCE.)*. Magister studieleier: Dr I Cornelius.

COOK J. *'n Boek oor die vroeë vertalings van die OT genaamd: Tussen teks en tradisie - oor die vroeë vertalings van die Ou Testament*.

COOK J. *Eksegetiese kommentaar op die Proverbiaweergawe van die Septuagint, in opdrag van die IOSCS*.

COOK J. *Die Hellenisme en die Paroimiai: 'n Hermeneutiese probleem*.

COOK J. *Kommentaar op Genesis*.

COOK J. *'n Nuwe Engelse vertaling van die Proverbiaweergawe van die Septuagint, in opdrag van die IOSCS*.

COOK J. *'n Sosio-religieuse/sosio-politieke evaluering van navorsing oor die Dooie See-rolle*.

COOK J. *Septuagint Proverbs. Hellenistic and Jewish influences*.

CORNELIUS I. *A hypermedia information system for visual material from the ancient Near East*.

CORNELIUS I. *The iconography of the Canaanite pantheon c. 1500-1000 BCE*.

DANIELS A. *Qwh in the profetiese literatuur van die Hebreuse Bybel: 'n Semantiese studie. (Qwh in the prophetic literature of the Hebrew Bible: a semantic study.)*. Magister studieleier: Dr PA Kruger.

DEIST FE. *Contextual Bible translation*.

DEIST FE. *Cosmological convictions in the ancient Near East. A perspective on the first millennium BCE*.

DEIST FE. *Kulturele antropologie en die interpretasie van ou Oosterse literatuur. (Cultural anthropology and the interpretation of ancient Oriental literature.)*

DEIST FE. *The Targums on the Pentateuch and reception history*.

DEIST FE, KRUGER PA, CORNELIUS I, OOSTHUIZEN MJ, HAVEMANN JCT, KLOPPER F, BOSHOFF WS. *Sosiale waardes van Palestynse samelewings tussen die 11de en 7de eeu. 'n Kontekstuele ondersoek. (Social values of Palestinian societies between the 11th and 7th centuries B.C. A contextual investigation.)*

EGGLER J. *Iconography and the judgement scene in Daniel 7*. Doktorale promotor: Dr I Cornelius.

FLAENDORP C. *Die Egiptiese priester in die Nuwe Ryk. (The Egyptian priest in the New Kingdom.)*. Magister studieleier: Dr I Cornelius.

GERBER M. *Politieke opportunisme in Palestina gedurende die 2de eeu vC as bydraende faktor in die aanloop tot die Makkabeër opstand. (Political*

*opportunism in Palestine during the 2nd century B.C. as contributing factor to the advent of the Maccabean revolt.*). Magister Studieleier: Prof J Cook.

GWALA M. *The reception of Gen 1-3 in Nguni culture.* Doktorale promotor: Dr I Cornelius.

HEYNEMAN JH. *Hellenism versus Judaism: the high priest in the Seleucid era (200-161vC) - a test case.* Doktorale promotor: Prof J Cook.

KIRCHNER G. *Hatshepsut and Nefertete. A comparative study of two Egyptian queens.* Magister studieleier: Dr I Cornelius.

KRUGER PA. *Anthropology and the Syro-Palestinian culture of Ancient Israel of the first half of the first century B.C.: Gains, prospects and pitfalls.*

KRUGER PA. *Religious history of pre-exilic Israel.*

KRUGER PA. *Symbolic and communicative gestures in ancient Near Eastern literature.*

LOUW E. *Die Persiese dualisme en Qumran. (The Persian Dualism and Qumran.)*. Magister Studieleier: Prof J Cook.

MEYER EE. *Die partikel in die Psalms. (The particle in the Psalms.)*. Magister studieleier: Dr CHJ van der Merwe.

NEL C. *Visuele voorstellings van geselekteerde Nubiese gode. (Visual representations of selected Nubian deities.)*. Doktorale promotor: Dr I Cornelius.

PAYLE KD. *Final sentences in Biblical Hebrew narrative prose from Genesis to 2 Kings.* Doktorale promotor: Dr CHJ van der Merwe.

POTGIETER B. *Bybelse vroue by Vondel. (Biblical women in Vondel.)*. Magister studieleiers: Prof FE Deist en dr S Huigen.

RHODE RF. *The fate of the evildoer in Psalm 49: A moral paradigm for humankind.* Doktorale promotor: Dr PA Kruger.

ROGERS J. *Wisdom as mediatrix in Ben Sira.* Doktorale promotor: Prof J Cook.

SCHEFFERS NW. *Die "profetiese" figuur in 'n Siro-Palestynse gemeenskap van die agste eeu vC: 'n Kultuurantropologiese ondersoek van die boek Amos. (The "prophetic" figure in a Syro-Palestinian society of the eighth century B.C.: A cultural anthropological investigation of the book of Amos.)*. Magister studieleier: Dr PA Kruger.

VAN DER LINDE DM. *Israelite culture and the creation story of Genesis 2-3. A case study in the relationship between environment and social values.* Magister studieleier: Prof FE Deist.

VAN DER MERWE CHJ. *Die hipermedia-verpakking van 'n Bybelse Hebreeuse naslaangrammatika. (The hypermedial encoding of a Biblical Hebrew reference grammar.)*

VAN DER VYVER JA. *The history of the Qumran community - A revised and augmented Essene hypothesis?* Magister studieleier: Prof J Cook.

VAN SCHALKWYK C. *Philo Judaeus and the Hellenism*. Doktorale promotor: Prof J Cook.

VENTER PJ. *Vlakke van religieuse beleving in Oud-Israel. (Levels of religious experience in ancient Israel.)* Magister studieleier: Dr PA Kruger.

WILSON DN. *The Targum of Jonathan's translation of Isaiah 52:13-53:12 and its significance in the debate on literary deconstructionism*. Magister studieleier: Prof FE Deist.

## **politieke wetenskap / political science**

### **Tydskrifartikels/Journal articles**

GOUWS A. Feminist epistemology and representation: The impact of post-modernism and post-colonialism. *Transformation* 1996; **30**: 65-82.

GOUWS A. The rise of the femocrat? *Agenda* 1996; **30**: 31-43.

KOTZÉ HJ, DU TOIT PvdP. *Reconciliation, reconstruction and identity politics in South Africa after apartheid: a 1994 survey of elite attitudes*. Nationalism and Ethnic Politics 1996; **2**(1): 1-17.

NEL PR. The fortunes of communism. *Strategic Review for Southern Africa* 1996; **XVIII**(2): 1-15.

VAN DER LUGT C. Het ecologiese geheel en die soevereine delen. Het milieubeleid van Europese Unie. *Transaktie* 1996; **25**(2): 221-247.

### **Verrigtinge internasionaal/Proceedings international**

BREYTENBACH WJ. *Die Rolle der politischen Parteien in Demokratisierungsprozess Afrikas südlich der Sahara*. Konrad Adenauer Stiftung Auslands-Informationen. Bonn 7/1966: 62-77.

DU TOIT PvdP. *Towards the autonomous state? Comparing South Africa's 1993 Constitution and the 1996 Draft Constitution Bill*. Seminar Report: Aspects of the Debate on the Draft of the New South African Constitution Dated 22 April 1996. Johannesburg: Konrad-Adenauer-Stiftung, 1996: 29-36.

GOUW A, DU PLESSIS L. *The gender implications of the final constitution*. Seminar Report: Aspects of the Debate on the Draft of the New South African Constitution Dated 22 April 1996. Johannesburg: Konrad-Adenauer-Stiftung, 1996: 103-107.

KOTZÉ HJ. *From the old to the new in South Africa: elite and public attitudes towards political institutions*. Seminar Report: Aspects of the Debate on the Draft of the New South African Constitution Dated 22 April 1996. Johannesburg: Konrad-Adenauer-Stiftung, 1996: 133-144.

DU TOIT PvdP, GAGIANO JIK. *Consolidating democracy in Southern Africa: the role of civil society. Consolidating Democracy in Southern Africa: What role for civil society in South Africa?* Kaapstad, 1996: 47-73.

## Referate internasionaal/Papers international

DU TOIT PvdP. *Bridge or bridgehead? Comparing the party systems of Botswana, Zimbabwe, Namibia, Zambia and Malawi*. Conference on the Akward Embrace: Democracy and Dominant-party rule in South Africa, Taiwan, Mexico and Malaysia. Arniston, 1996.

DU TOIT PvdP. *Comparing political party systems in Southern Africa*. Conference: Building Democracy - Perceptions and Performance of Government and Opposition in Namibia. Namibia Institute for Democracy, Windhoek, 1996.

DU TOIT PvdP. *Towards the autonomous state? Comparing South Africa's 1993 Constitution with the 1996 Draft Constitution Bill*. International Conference on the New South African Constitution. University of Transkei and Konrad-Adenauer-Stiftung. Umtata, 1996.

DU TOIT PvdP, GAGIANO J. *Consolidating democracy in South Africa: The role of Civil Society*. Conference on Consolidating Democracy - What role for Civil Society? Centre for International and Comparative Politics, US, and the Konrad-Adenauer-Stiftung, Cape Town, 1996.

GIBSON J, GOUWS A. *Support for the rule of law in the emerging South African democracy*. IPSA Judicial Committee. Jerusalem, Israel, 1996.

KOTZÉ HJ. *Consolidating democracy in South Africa: The institutional framework*. Conference on the Consolidation of Democracy: insights from Chile and South Africa. Institute for the Study of Public Policy (UCT) and Flasco (Buenos Aires). Santiago, 1996.

KOTZÉ HJ. *Elite and regime change in South Africa, 1990-1995: From apartheid to democracy*. International Conference on Elites and Regime Change, IPSA Research Group on Elites. Spain, 1996.

KOTZÉ HJ. *From the old to the new in South Africa: elite and public attitudes towards political institutions*. Seminar Report: Aspects of the Debate on the Draft of the New South African Constitution Dated 22 April 1996. Johannesburg: Konrad-Adenauer-Stiftung, 1996: 133-144.

KOTZÉ HJ. *Political change and shifts in South African value orientations from 1990-1995: An empirical analysis*. Paper presented at the International Conference on Values and Social Transformation, organised by the Institute of Political Studies. Polish Academy of Sciences, Warsaw, Poland, 1996.

NEL PR. *The rhetoric of inquiry as a bridge between science and the humanities*. International Colloquim on Reapproachments between Arts and Science in the Information Age. Johannesburg, 1996.

## Referate nasionaal/Papers national

DU TOIT PvdP, KOTZÉ HJ. *State-building and democratic transition in South Africa, 1993-1995: A longitudinal survey of elite attitudes*. Navorsingscolloquium van die Suid-Afrikaanse Vereniging vir Politieke Studies. Hunter's Rest, 1996.

GOUWS A. *Feminist epistemology and the law: Arguing like a woman*. South African Association of Law Lecturers. University of the Western Cape, Cape Town, 1996.

KOTZÉ HJ. *Elite and public attitudes on land tenure reform in South Africa*. HSRC Workshop on Social Movements in South Africa. University of Natal, Durban, 1996.

KOTZÉ HJ. *Elite and public attitudes towards traditional leaders and land tenure reform in South Africa*. Conference on the role of traditional leaders in the new South Africa: An Eastern Cape Perspective. Institute for Multi-Party Democracy, Umtata, 1996.

KOTZÉ HJ. *Shifts in South African value orientations: An empirical analysis*. Conference on Global Change and Social Transformation. HSRC, Pretoria, 1996.

NEL PR. *Civil society and the transnational promotion of human rights*. Foundation for Global Dialogue Conference on Human Rights and Foreign Policy. Johannesburg, 1996.

NEL PR. *Global politics of knowledge production*. Seminar on New modes of Knowledge Production and Higher Education in South Africa. Strand, 1996.

NEL PR. *Is the rhetoric of inquiry more than a pathology of science?* Second African Symposium on Rhetoric. Stellenbosch, 1996.

## **Boeke/Books**

BREYTENBACH WJ. *Democratisation in Sub-Saharan Africa: Transitions, elections and prospects for consolidation*. Africa Institute, Pretoria, 1996. 89 pp.

KOTZÉ HJ (ed.). *Consolidating democracy: What role for civil society in South Africa?* The Centre for International and Comparative Politics, US, 1996. 221 pp.

NEL PR. *Persuasion and science: A review and assessment of "the rhetoric of inquiry"*. HSRC Publishers, Pretoria, 1996. 208 pp.

## **Hoofstukke in boeke/Chapters in books**

BREYTENBACH WJ. The political/institutional environment. In: Roux A, (ed.). *Business Futures* 1996. University Printers, Institute for Futures Research, 1996: 3-56.

BREYTENBACH WJ. Politics and business enterprises/Politiek en die sake-onderneming. In: Du Plessis PG, (red.). *Kontemporêre Bestuursvraagstukke*. US Drukkery, Stellenbosch, 1996: 9-30.

DU TOIT PVDP. South Africa. In: Phillips Shively W, (ed.). *Comparative Governance*. McGraw-Hill, New York, 1996: 275-318.

KOTZÉ HJ. The new parliament: Transforming the Westminster heritage. In: Faure M, Lane J-E, (eds). *South Africa: Designing new political institutions*. Sage Publications, London, 1996: 252-268.



KOTZÉ HJ. Proportional representation in multi-member constituencies (model 2). In: De Ville J, Steytler N, (eds). *Voting in 1999: choosing an electoral system*. Butterworths, Durban, 1996: 101-114.

NEL PR. Die globalisering van die wetenskap, tegnologie en navorsing. In: Garbers J, (red.). *Doeltreffende geesteswetenskaplike navorsing*. Van Schaik, Pretoria, 1996: 39-53.

## **Navorsingsverslae/Research reports**

KOTZÉ HJ. *The working draft of South Africa's 1996 Constitution: Elite and public attitudes to the options*. Occasional Paper, Konrad Adenauer Foundation, 1996. 24 pp.

## **Magister afgehandel/Master's completed**

NEL A. *Kollektiewe sekuriteit in Suider-Afrika: 'n Addisionele dimensie van streeksamewerking*. M.A., 1996. 131 pp. Studieleier: Prof WJ Breytenbach.

SCHREUDER F. *The ANC and the armed struggle: Perspectives in an African context*. M.A., 1996. 239 pp. Studieleier: Prof WJ Breytenbach.

TERBLANCHE GP. *Etniese strukture en veelparty demokrasie in sub-Sahara Afrika: Tentatiewe korrelasies en bevindinge*. M.A., 1996. 180 pp. Studieleier: Prof WJ Breytenbach.

THIEL HPE. *Structural changes in state-labour relations in South Africa*. MA, 1996. 203 pp. Studieleier: Prof HJ Kotzé.

## **Projekte afgehandel/Projects completed**

KOTZÉ HJ (ed.). *Consolidating democracy: What role for civil society in South Africa?*

KOTZÉ HJ. *Ethnicity and religion: Perceptions of South Africans*.

NEL PR. *Retoriek en die wetenskap*.

## **Projekte lopend/Projects current**

BEUKES TJN. *Taakstelling en magsamestelling vir die vloot van 'n demokratiese Suid-Afrika*. Doktorale promotor: Prof PvdP du Toit.

BREYTENBACH WJ. *Die Indiese Oseaan randgebied: Vooruitsigte vir samewerking en integrasie*.

BRIDGEMAN M. *Between binationalism and isolationism: The contours of US foreign policy towards post-apartheid South Africa*. Doktorale promotor: Prof PR Nel.

CAMPHER H. *'n Feministiese perspektief op pornografie in Suid-Afrika*. Magister studieleier: Dr A Gouws.

DU TOIT DL. *Verkiezingspolitiek in Namibië en Zimbabwe - 'n vergelykende studie*. Magister studieleier: Prof PvdP du Toit.

FOURIE G. *Suid-Afrika se internasionale betrekkinge met Frankryk (1981-1992)*. Magister studieleier: Mnr AJ Leysens.

FOURIE PP. *Intellectual property rights in the politics of North-South technology transfer: The case of micro-electronics and informatics*. Magister studieleier: Prof PR Nel.

GIBSON J, GOUWS A. *An investigation into the socio-legal and cultural bases of democracy in South Africa: Rule of law, rights consciousness, and political tolerance*.

GOUWS A. *Women, citizenship and civil society*.

GREYLING AC. *Politieke rekrutering en sosialisering van Suid-Afrikaanse politieke leiers*. Magister studieleier: Prof HJ Kotzé.

HILL LB. *Transnational migration in South Africa: Elite attitudes and public policy*. Magister studieleier: Prof HJ Kotzé.

KELLY B. *Community politics and democratization: A case study of Grabouw*. Magister studieleier: Prof PvdP du Toit.

KHANYILE M. *The intelligence community in South Africa: Structures and political accountability*. Magister studieleier: Prof HJ Kotzé.

KOTZÉ HJ. *Parliamentary recruitment patterns*.

KOTZÉ HJ. *Social movements and protest politics in South Africa*.

KRUGER B. *The prenegotiation phase in the South African transitional negotiations*. Magister studieleier: Prof PvdP du Toit.

LEYSSENS T. *The politics of trade liberalisation in South Africa*. Doktorale promotor: Prof PR Nel.

LYONS T. *Nation-building in Africa and its impact on democratisation and cultural pluralism*. Magister studieleier: Prof WJ Breytenbach.

MARX G. *Dwelmbeleid in Suid-Afrika as openbare beleidsvraagstuk*. Magister studieleier: Prof HJ Kotzé.

MASUTHA J. *Political corruption and elite attitudes in South Africa*. Magister studieleier: Prof HJ Kotzé.

MAYISELA X. *The influences of IFIS and Gatt on domestic policy choices in South Africa*. Magister studieleier: Mnr AJ Leysens.

NEL PR. *Die internasionale politiek van wetenskap en tegnologie*.

SATTELEGGER RH. *The 1992 Referendum: A political analysis*. Magister studieleier: Prof PvdP du Toit.

STEYN JW. *Lae intensiteit konflik op die Kaapse vlakte: 'n Ontleding van die politieke strategie van PAGAD*. Magister studieleier: Prof PvdP du Toit.

TANNER JA. *Die verhouding tussen die sentrale regering en die provinsies*.  
Magister studieleier: Prof HJ Kotzé.

TSHEFU PND. *The accommodation of traditional leaders in a democratic constitution in South Africa*. Magister studieleier: Prof PvdP du Toit.

VAN DER LUGT C. *Wetenskap, omgewing en politiek: 'n Evaluasie van die realisme vanuit 'n ekologiese perspektief*. Doktorale promotor: Prof PR Nel.

VAN WYK JK. *Omgewingskwessies in Suid-Afrika: Perspectives on the role of elites*. Magister studieleier: Prof HJ Kotzé.

VAN ZYL H. *Patrone van politieke partye in opposisie*. Magister studieleier: Prof HJ Kotzé.

VAN ZYL U. *Die rol van die ombudspersoon in die Republiek van Suid-Afrika*.  
Magister studieleier: Prof HJ Kotzé.

VORSTER S. *Die einde van strukturele konflik? Noord-Suid-bedinging in die Uruguay-rondte van die algemene ooreenkoms oor tariewe en handel*.  
Doktorale promotor: Prof PR Nel.

## **sielkunde / psychology**

### **Tydskrifartikels/Journal articles**

FOURIE LJ, MÖLLER AT. Die psigososiale effek van borskanker.  
*Geneeskunde* 1996: 6-12.

HUGO FJ, SPANGENBERG JJ, WHITELAW DA, RICKMAN RC, HEWLETT RH, REID JR, MARITZ JS, EMSLEY RA. DSM-III-R classification of psychiatric symptoms in Systemic Lupus Erythematosus. *Psychosomatics* 1996; **37**: 262-269.

LOXTON H. Identifisering en hantering van eksamen-stres by laerskool-musiekleerlinge. *Musicas* 1996: 76-80.

MÖLLER AT, BOTHA HC. Effects of a group rational-emotive behavior therapy program on the Type A behavior pattern. *Psychological Reports* 1996; **78**: 947-961.

MÖLLER AT, SPANGENBERG JJ. Stress and coping amongst South African dentists in private practice. *Journal of the Dental Association of South Africa* 1996; **51**: 347-357.

VAN DER WESTHUYSEN TWB. Counselling psychology: The quest for excellence. *Counselling Psychology in Africa* 1996; **1**: 2-12.

### **Verrigtinge internasionaal/Proceedings international**

GREEFF AP. *The difference in family variables in three cultural groups*.  
Proceedings of the International Council of Psychologists, 53rd Annual Convention. Tapei, Taiwan, 1995: 47-54.

### **Referate internasionaal/Papers international**

DE VOS HM, BRENNAN CV. *Two hypnotic procedures and their respective effects on test anxiety and academic performance*. Paper presented at the 7th European Congress of Hypnosis. Budapest, Hungary, 1996.

GREEFF AP. *Needs and expectations regarding pre-marital programmes*. Paper presented at the International Counselling Congress. Vancouver, Canada, 1996.

THERON WH, POTGIETER U. *Managing undergoing cultural change: Cross-cultural differences in assertiveness and aggressiveness*. Poster presented at the International Association for Cross-Cultural Psychology. Montreal, Canada, 1996.

VAN DER WESTHUYSEN TWB. *Counselling psychology and reconstruction and development in South Africa*. Paper presented at the 3rd Annual Conference of the Division of Counselling Psychology of the British Psychological Society. York, UK, 1996.

### **Referate nasionaal/Papers national**

CARSTENS JA, SPANGENBERG JJ. *Major depression: A breakdown in sense of coherence?* Paper presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

DU TOIT PL, MÖLLER AT. *Towards a cognitive mediational paradigm for multicultural psychotherapy*. Paper presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

FAURE S, THERON WH. *Values that underlie counselling psychology: Are they relevant for a multicultural South Africa?* Poster presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

GREEFF AP. *Perceptions of parents and adolescents about aspects of their families*. Paper presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

KRUIJSSE HW. *To measure is to know but do we know what to measure?* Paper presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

KRUIJSSE HW. *Where there is a way there is a source for unsafe behaviour*. Paper presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

LESCH E. *The psychodynamics of teenage pregnancies in the Western Cape*. Paper presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

LESCH E, BOTHA G. *The adjustment of a minority group in an integrated school*. Poster presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

LOXTON H, FAURE S, MALHERBE D, HOFMEYER D, STRYDOM R, LOUW X, BROWN C. *Early childhood stimulation - a community developmental intervention*. Poster presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

LOXTON H, RAUBENHEIMER B, GOLDBERG G, LINKS A, HOFMEYER L. *Childcare workers in an orphanage - working towards empowerment*. Poster presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

SPANGENBERG JJ, LACOCK L. *Maternal depression in rural African women*. Poster presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

SPANGENBERG JJ, MAY A. *Androgyny and coping in men with a managerial orientation*. Poster presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

THERON JC, SPANGENBERG JJ. *Streshantering deur huweliksmaats van depressiewe pasiënte*. Paper presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

THERON WH, PETTY C. *Sexual violence: Dimensions of fear, avoidance behaviour and gender stereotype with consistent prevention strategies among potential victims*. Poster presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

VAN DER WESTHUIZEN LeR, DE VILLIERS S. *Assessment of interpersonal schemas: An evaluation of the Interpersonal Schema Questionnaire*. Paper presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

VAN DER WESTHUIZEN LeR, DORNING P. *The effects of race and assertiveness on active and passive influencing*. Paper presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

VAN DER WESTHUIZEN TWB, VAN ZYL JJ. *Huweliksverryking as 'n behandelingsmetode vir infertiliteit*. Paper presented at the 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

## **Navorsingsverslae/Research reports**

CARL AE, JADEZWENI MW, SWARTZ JJ, WAIT J. *Education for peace: A programme for junior secondary pupils in Southern Africa. Pupils Workbook*. Centre for Education Development, US, 1995. 118 pp.

CARL AE, JADEZWENI MW, SWARTZ JJ, WAIT J. *Education for peace: A programme for junior secondary pupils in Southern Africa. Teachers Manual*. Centre for Education Development. US, 1995. 157 pp.

## Magister afgehandel/Master's completed

MEYER N. *The effectiveness of a behavioral therapeutic programme for a group of aggressive, socio-economically deprived boys*. M.A., 1996. 208 pp. Studieleier: Me E Lesch.

THERON JC. *Stres en streshantering by huweliksmaats van depressiewe pasiënte*. M.A., 1996. 145 pp. Studieleier: Dr JJ Spangenberg.

VAN ECK P. *The rite of war: A psychoanalytic reading*. M.A., 1996. 186 pp. Studieleier: Prof TWB van der Westhuysen.

## Projekte afgehandel/Projects completed

LESCH E. *The psychodynamics of teenage pregnancies in the Western Cape*.

LESCH E, BAGULEY B, DU RANDT J, GOUS G, MATTHEWS A, PAINTER D, ROPER L, SMITH H. *'n Verkenning na die gesinsisteme van kinders met aggressiewe gedrag in Idasvallei*.

LESCH E, BAKER K, FUCHS A, JACOBS R, MARAIS A, MEYNARDT M, NORTIER S. *Promoting sexual responsibility in an underprivileged rural area*.

LESCH E, BARNARD L, BEZUIDENHOUT I, JOUBERT A, JOUBERT J, RABIE M, VAN ZYL M. *Die aanleer van konflikthanteringsvaardighede by die st. 3-leerlinge van die Weber Gedenkskool te Jamestown*.

LESCH E, NEL H, JANSEN VAN VUUREN H, NAUDÉ A, MATTHEE D, VAN DE HEUVEL W, ARGYROU H. *Lewensvaardighedsopleiding in substansgebruik vir laerskoolleerlinge*.

LOXTON H, BRINK B, DE BRUIN TF, JACKSON J, MÜLLER RB, VAN DER MERWE LA, VAN DER MERWE Y. *Ontwikkeling van interpersoonlike vaardighede ter bevordering van portuurgroepverhoudinge tydens die middeljare*.

LOXTON H, EAGLESTONE D, FERREIRA L, JACOBS C, ROUX M, STRAUSS H, UECKERMANN L, VENTER M. *Die bevordering van vriendskapsvaardighede by st. 4-leerlinge*.

LOXTON H, FAURE S, MALHERBE D, HOFMEYER D, LOUW X, BROWN C, STRYDOM R. *Stimulering van voorskoolse kinders se ontwikkelingsvaardighede in Kaya Mandi*.

LOXTON H, HOFMEYER L, RAUBENHEIMER B, LINKS A, GOLDBERG G. *Streshantering by toesighouers in Mfuleni kinderhuis, Blue Downs*.

LOXTON H, SMOOK G, VAN DOORN G, VAN NIEKERK S, VENTER E. *'n Intervensieprogram gemik op verandering van aggressiewe gedrag by st. 2-leerlinge*.

SHARP C, BOOTSMA K, DIESVELD S, HINTON M, KLEIN H, MANSFIELD C, MEIRING S, WIEGMAN S. *A programme for the development of a peer group friendship network*.

SHARP C, CARDOSO NE, CASALE ML, CAMERON LG. *A programme for the development of perceptual synthesis and analysis in pre-school children.*

SHARP C, DE VILLIERS EH, NOLTE L. *A bibliotherapeutic programme to improve the self-concept of pre-school children.*

SHARP C, DUYVENÉ DE WIT C, ESTERHUYSE L, GAZENDAM A, HATTINGH E, JASSON A, MEYER V, NEETHLING H, STANTON L. *Assertiwiteitsopleidingprogram vir st. 5-leerlinge.*

SHARP C, LIEBENBERG C, VAN DER POEL A. *Die ontwikkeling van motoriese vaardighede by 5-jariges by Maja-Kleuterskool, Ruyterwacht.*

SHARP C, THERON FH, ROBERTS CB. *A token reinforcement program for preschoolers with discipline problems.*

SHARP C, WICKENS L. *Psigo-ontwikkelingsprogram vir voorskoolse kinders met haggelgedrag.*

THERON WH, ARGYROU H. *Modern society constructs of social control: Exemplified in public commentary and exposure of rave culture.*

THERON WH, BRINK B. *Werkende moeders, werkrolhouding, tuisrolhouding en interaksiestres.*

THERON WH, DU RAND J. *Conflict handling strategies: A gender analysis.*

THERON WH, HATTINGH E. *Contraceptive use, fertility decline and the social structure of black women in Kaya Mandi.*

THERON WH, JACOBS RJ. *Herkoms (platteland of stad) en die voorkoms van gesinsgeweld.*

THERON WH, KLEIN HE. *The influence of gender and ethnicity on rape myth acceptance.*

THERON WH, LOCHNER C. *Die verband tussen geslagrolidentiteit en die voorkoms van seksuele teistering van vrouestudente op die Stellenbosch universiteitskampus.*

THERON WH, MATTHEE DD, PAINTER DW. *Selfkonsep-helderheid, geslagsrol-oriëntasie en voorkeur vir 'n intieme maat.*

THERON WH, MEIRING S. *Parental authority styles and self-consciousness in children.*

THERON WH, MEYER V. *Aggressiwiteitsvlakke by stedelike en plattelandse skoolgaande leerlinge.*

THERON WH, RABIE HH. *'n Ondersoek na die voorkoms van alkohol gebruik en misbruik onder st. 6-7-leerlinge van 'n Model C hoërskool.*

THERON WH, ROPER LA. *Die verband tussen ouer-kindverhouding en die godsdienstbeleving van die adolessent.*

THERON WH, STANTON L. *Die verband tussen skuldgevoelens van ouers en binding met hul gestremde kind.*

THERON WH, VAN DER HEUVEL WA. *The comparison of racial attitudes amongst adolescents in a segregated and integrated school.*

THERON WH, VAN NIEKERK S. *Die ervaring van rolkonflik by mans en vrouens in dubbelloopbaanhuwelike.*

THERON WH, VENTER E. *Bemagtiging en loopbaanvooruitsigte van honneursstudente in Sielkunde aan die Universiteit van Stellenbosch.*

## **Projekte lopend/Projects current**

BECKER JL. *'n Kritiese ontleding van die woordeskat subtoets van die SSA/S-R.* Magister studieleier: Mnr HR Steel.

BURGER M. *The effect of various degrees of hypothermia and rewarming during cardio-pulmonary bypass on central nervous system function.* Doktorale promotor: Dr JJ Spangenberg.

DU TOIT PL. *Schemas in personality disorders and personality disorder traits.* Magister studieleier: Prof AT Möller.

ENGELBRECHT G. *Die voorlopige standaardisering van die vertaalde weergawe van die "Survey of Personal Beliefs" vir die Xhosa gemeenskap.* Magister Studieleier: Mnr HR Steel.

FAURE S, THERON WH. *Values that underlie counselling psychology: Are they relevant for a multicultural South Africa?*

FOURIE K. *The utilisation of clinical hypnotherapy as therapeutic technique in the reduction of medical costs.* Doktorale promotor: Prof TWB van der Westhuysen.

GREEFF LM. *Die ontwerp van 'n seksualiteits-psigo-opleidingsprogram vir universiteitstudente.* Magister studieleier: Me E Lesch.

HADJIANDEOU D. *Mindfulness mediation and "The Wall" in swimming: Phenomenological investigation.* Magister studieleier: Mnr HM de Vos.

KOYANA VNS. *The experience of affirmative action by Black African workers: A phenomenological enquiry.* Magister studieleier: Mnr HM de Vos.

LOUW AD. *Die identifisering van voorspellers van akademiese sukses en beroepstevredenheid vir die keuring van studente vir die nasionale diploma in omgewingsgesondheid aan die Kaapse Technikon.* Doktorale promotor: Dr JC Meyer.

LOUW M. *Die integrasie van aspekte van psigoterapie en loobaanvoorigting binne die konteks van selfverweselikingsproblematiek: Relevansie vir die kliënt in die middelleeftydsoorgang.* Doktorale promotor: Prof TWB van der Westhuysen.

LOUW SJ. *Taak- en ego-georiënteerdheid in laerskoolsport.* Magister studieleier: Mnr HR Steel.



LOXTON H, FAURE S, MALHERBE D, HOFMEYER D, STRYDOM R, LOUW X, BROWN C. *Early childhood stimulation - a community developmental intervention.*

LOXTON H, RAUBENHEIMER B, GOLDBERG G, LINKS A, HOFMEYER L. *Childcare workers in an orphanage - working towards empowerment.*

MARAIS B.J.G. *Die opstel en evaluering van 'n keuringsprogram vir duikers vir die Suid-Afrikaanse Vloot.* Doktorale promotor/medepromotor: Prof TWB van der Westhuysen/kmdt JJ Gouws.

NIEWOUDT B. *Onderwysers, skoolhoofde en leerlinge se evaluering van kreatief-georiënteerde onderrig.* Magister studieleier: Prof HB Kruijsse.

NORTJÉ AE. *Die invloed van temagesentreerde interaksionele groep-terapie op selfkonsep en selfaktualisering.* Doktorale promotor: Prof TWB van der Westhuysen.

NORTJE C. *Kognitiewe terapie en blootstelling in die behandeling van sosiale fobie.* Doktorale promotor: Prof AT Möller.

ORPEN-LYALL M. *Stress and coping strategies in a sample of organizational managers.* Magister studieleier: Dr JJ Spangenberg.

PLÜDDEMAN A. *The relationship between adolescent alcohol use, parent-adolescent communication and self-consciousness.* Magister studieleier: Me WH Theron.

POSTHUMUS T. *Kognitiewe terapie en hipnose in die behandeling van sosiale fobie.* Doktorale promotor: Prof AT Möller.

REINECKE CR. *Psigo-ontwikkelingsprogram om morele en geloofsontwikkeling op verskillende lewensstadia te stimuleer.* Magister studieleier: Prof TWB van der Westhuysen.

STUART A-M. *The effect of riding therapy on the self-concept and locus of control of physically disabled children.* Magister studieleier: Me H Loxton.

VAN AS RB. *Die effektiwiteit van 'n sinsbelewingsprogram vir 'n groep christenstudente.* Magister studieleier: Dr AP Greeff.

VAN DER WESTHUIZEN LeR. *Self- and interpersonal schemas and assertiveness.* Doktorale promotor: Prof AT Möller.

WHITING G. *Analysis of the discourse of moral issues.* Doktorale promotor: Dr S Shuda.

## **sosiologie / sociology**

### **Tydskrifartikels/Journal articles**

BEKKER SB. The policy making predicament. *Indicator South Africa* 1996; **13**(4): 17-20.

BEKKER SB. The silence of South African scholars. *Indicator South Africa* 1996; **13**(2): 81-85.

BEKKER SB, ROBINSON P. Development planning in the provinces. *Development Southern Africa* 1996; **13**(4): 539-554.

CRAIG AP. Education for all. *SA Tydskrif vir Hoër Onderwys* 1996; **10**(2): 47.

EWERT JW, HAMMAN J. Labour organization in the Western Cape agriculture: An ethnic corporatism. *Journal of Peasant Studies* 1996; **23**(2/3): 146-165.

GOUWS A, KRITZINGER AS. Sexual harassment of students: A case study of a South African University. *South African Sociological Review* 1995; **7**(2): 1-24.

KRITZINGER AS, VORSTER J. Women farm workers on South African deciduous fruit farms: Gender relations and the structure of work. *Journal of Rural Studies* 1996; **12**(4): 341-351.

VAN DER SPUY E. Guest editorial. *Track Two* 1996; **5**(1): 2-3.

VENTER D. It may be art, but is it culture? The ANC's conceptions of culture and orientation towards ethnicity in the 1994 RDP booklet. *Politikon* 1996; **23**(1): 4-20.

VORSTER JH, ROSSOUW HM. Poverty alleviation and the State Maintenance Grant: Some comments on the Lund Committee on child and family support: *Social Work* 1996; **32**(4): 296-307.

### **Referate internasionaal/Papers international**

BEKKER SB. *Changement institutionnel dans le nouvel Etat sud-africain*. Referaat by CEAN. Bordeaux, Frankryk, 1996.

BEKKER SB. *Civil War in Kwazulu Natal*. Referaat by die Sentrum vir Afrikastudies. Barcelona, Catalonia, 1996.

BEKKER SB. *Culture and the new SA Constitution*. Referaat by Outonome Universiteit. Madrid, 1996.

BEKKER SB. *Cultural pluralism in South Africa*. Referaat by Universiteit van Aarhus. Denemarke, 1996.

EWERT JW. "Training for world class manufacturing." *Rethoric and reality in the South African Engineering Industry*. 3rd International Conference of the Third World Science and Technology Forum. University of Natal, Pietermaritzburg, 1996.

### **Referate nasionaal/Papers national**

GROENEWALD CJ. *Are farm workers still the poorest of the poor in rural Western Cape? A proposal for a new research direction*. Demographic Society of Southern Africa (DEMSA). Pretoria, 1996.

GROENEWALD CJ. *Constraints in the running of a local RDP forum*. Biannual Conference of the Development Society of South Africa. University of Stellenbosch, 1996.

GROENEWALD CJ. *Institutional aspects of rural development in the Western Cape Province*. South African Sociological Association (SASA), Annual Conference. University of Natal, Durban, 1996.

VENTER D. *Seeking Saints among secularised sociologists: The current state Sociology of Religion in South African Sociology Departments*. South African Sociological Association (SASA), Annual Conference. University of Natal, Durban, 1996.

## **Boeke/Books**

BEKKER SB, CARLTON D, (eds). *Racism, xenophobia and ethnic conflict*. Indicator Press, Durban, 1996. 162 pp.

BEKKER SB, LOUW A, (eds). *Cities under siege: Urban violence in South, Central and West Africa*. Indicator Press, Durban, 1996. 92 pp.

## **Hoofstukke in boeke/Chapters in books**

BEKKER SB. Conflict, ethnicity and democratisation in contemporary South Africa. A sociological perspective on the South African situation. In: Bekker SB, Carlton D, (eds). *Racism, Xenophobia and Ethnic Conflict*. Indicator Press, Durban, 1996: 77-95.

BEKKER SB. La nouvelle nation sud-africaine et la reconstruction de la société civile. In: Lacoste L, (ed.). *Hérodote Special Edition: La nouvelle Afrique du Sud*. Hérodote, Paris, 1996: 141-160.

## **Navorsingsverslae/Research reports**

BEKKER SB. *The challenges of democratic transition in South Africa*. Occasional Paper Nr.2, Centro de Estudos Africanos, Lissabon, Portugal, 1996. 18 pp.

BEKKER SB. *Chapter on social and cultural issues, business futures 1996*. Instituut vir Toekomsnavorsing, US, 1996. 49 pp.

BEKKER SB. *Culture and development in South Africa: a case study addressing tenure and common property systems in the Durban Functional Region*. Occasional Paper Nr. 2, Departement Sosiologie, US, 1996. 11 pp.

CROSS C, MLAMBO N, MNGADI T, PRETORIUS H, MBHELE T, BEKKER SB. *Locating productive small farmers: population shifts and land reform on the Eastern Seaboard of South Africa*. Working Paper Series, Development Bank of South Africa, 1996. 17 pp.

EWERT J, HAMMAN J, WILLIAMS G. *Land reform in the Western Cape - What is it for? How will it happen?* Occasional Paper Nr. 1, Departement Sosiologie, US, 1996. 11 pp.

KELLERMAN APR, VAN ASWEGEN F, VAN DER SPUY E. *Basic needs survey, Stellenbosch*. Departement Sosiologie, US, 1996. 137 pp.

MULLER G, RAUBENHEIMER LP, ROSSOUW HM, VORSTER JH. *Goedverwacht: 'n Sosiaal-ekonomiese profiel 1996*. Departement Sosiologie, US, 1996. 83 pp met bylaes.

MULLER G, RAUBENHEIMER LP, ROSSOUW HM, VORSTER JH. *State maintenance grants and coloured households in the Western Cape*. Departement Sosiologie, US, 1996. 61 pp met bylaes.

MULLER G, RAUBENHEIMER LP, ROSSOUW HM, VORSTER JH. *Suurbraak: 'n Sosiaal-ekonomiese profiel 1996*. Departement Sosiologie, US, 1996. 98 pp met bylaes.

MULLER G, RAUBENHEIMER LP, ROSSOUW HM, VORSTER JH. *Zoar gemeenskap: 'n Sosiaal-ekonomiese profiel 1996*. Departement Sosiologie, US, 1996. 72 pp met bylaes.

VAN DER SPUY E. *Recent reforms in basic police training - A background document*. Final Evaluation Report Pilot Basic Level Training Programme SAP(S), 1996: 6-24.

VAN DER SPUY E. *The role of the international policing community in the reform of SAP(S) basic police training*. Final Evaluation Report Pilot Basic Level Training Programme SAP(S), 1996: 100-125.

VAN DER SPUY E. *Views of field training managers*. Final Evaluation Report Pilot Basic Level Training Programme SAP(S), 1996: 51-61.

VAN DER SPUY E, SHARF W. *Evaluation study: Summary, conclusions and recommendations*. Final Evaluation Report Pilot Basic Level Training Programme SAP(S), 1996: 126-165.

## **Magister afgehandel/Master's completed**

VAN ZUYDAM J. *Nuwe aksente ten opsigte van die sogenaamde verhoudingsproblematiek in Suid-Afrika met spesifieke verwysing na plaaslike gemeenskappe*. M.A., 1996. 173 pp + bylae. Studieleier: Prof CJ Groenewald.

## **Projekte lopend/Projects current**

BEKKER SB. *Identifisering van die identiteite van jong Suid-Afrikaners volgens nie-direktiewe werkwyse*.

BEKKER SB. *Kultuur en ontwikkeling - ontwikkeling van 'n netwerkprogram*.

BEKKER SB, EVA G. *Availability of, and the needs for, telecommunications in the informal settlements of Cape Town*.

BEKKER SB, KLEINBOOI K. *Konfliktendense in die Wes-Kaap provinsie*.

BEKKER SB, PRETORIUS H, MLAMBO N. *The comparative dynamics of urbanisation factors in land reform*.

BEKKER SB, ROBERTSON M. *Space in informal settlements: Sustainable planning and residents' experience : A case study - Khayalitsha*.

CAFFIN G. *Materialist/post-materialist shift(s) with particular reference to religion and family values*. Magister studieleier: Prof J Mouton.

DE VOS M. *Sosiologiese oorwegings by die ontwerp van 'n bevolkingsopvoedingsprogram vir Suid-Afrikaanse skole*. Magister studieleier: Prof CJ Groenewald.

EWERT E. *Land, labour, markets and management in Western Cape agriculture, with special reference to the wine industry, 1978-1998*.

GROENEWALD CJ. *Die bevegting van landelike armoede in die Wes-Kaapse platteland*.

HAMMAN JN. *The social and economic impact of land reform policies and initiatives on rural households in the Western Cape*. Doktorale promotor/medepromotor: Prof SB Bekker/dr JW Ewert.

JACOBZ M. *Knowledge, power and objectivity*. Magister studieleier: Prof J Mouton.

KNYE AE. *Die ontwikkeling van 'n para-professionele model vir die integrering van huishoudkunde programme in gemeenskapsontwikkeling toepaslik vir Suid-Afrikaanse omstandighede*. Doktorale promotor: Prof CJ Groenewald.

KRITZINGER AS, VAN ASWEGEN WF. *Opname onder hoërskoolleerlinge in die groter Stellenbosch-area*.

MAAGA MP. *The relation between national development goals (RDP) and research management and policies at selected South African universities*. Doktorale promotor/ medepromotor: Prof J Mouton/prof JP Groenewald.

MULLER GJ, ROSSOUW HM, VORSTER JH. *Cost implications of proposals by the Lund Committee on child and family support*.

MULLER GJ, ROSSOUW HM, VORSTER JH. *Riversdale and Heidelberg (WCP): A socio-demographic study*.

NEL PJF. *'n Bedryfsosiologiese ondersoek na die doel en funksies van ontspanningsklubs in enkele Suid-Afrikaanse maatskappye*. Magister studieleier: Prof CJ Groenewald.

NOBLE HR. *Integrated rural development as structural element of the sustainable development paradigm with specific reference to the Western Cape*. Doktorale promotor: Prof CJ Groenewald.

RAUTENBACH EA. *'n Ondersoek na die konteks van huweliksgeweld*. Doktorale medepromotor: Prof CJ Groenewald.

ROSSOUW HM. *The utilisation of land in sustaining livelihoods: a study of rural communities in the Western Cape Province*. Magister studieleier: Prof CJ Groenewald.

ROSSOUW HM, VORSTER JH. *Poor households in rural Western Cape and the utilisation of land*.

SOARES T. *Environmental problems: A sociological perspective*. Doktorale promotor: Prof DD Joubert.

TALJAARD M. *Gemeenskapsontwikkeling as dinamiese proses : 'n Wysgerig-etiese ondersoek*. Doktorale medepromotor: Prof CJ Groenewald.

VAN ASWEGEN WF. *Die gebruik van afhanklikheidsvormende middels onder 'n geselekteerde groep hoërskoolleerlinge in die Stellenbosch-area. 'n Sosiologiese analise*. Magister studieleier/medestudieleier: Dr AS Kritzinger/prof CJ Groenewald.

VAN DER SPUY E. *Critical reflections on the "war on crime" in the new South Africa*.

VAN DER SPUY E. *Policing in South Africa and the international factor*.

VAN WYK CE. *'n Sosio-historiese ontleding van grondbestuur en die ontwikkeling van gemeenskappe in die bruin landelike gebiede van die RSA*. Magister studieleier: Prof CJ Groenewald.

VENTER D. *Strategies for accommodating cultural diversity in religious institutions*. Doktorale promotor: Prof CJ Groenewald.

VISSER JJ. *'n Kritiese evaluering van 'n model vir die bestuur en administrasie van gemeenskapsontwikkeling in die primêr kommersiële landbou en die praktiese toepassing van hierdie model*. Magister studieleier: Prof CJ Groenewald.

VORSTER JH. *The conceptualisation of households: Implications for state social security policy*. Doktorale promotor/medepromotor: Dr AS Kritzinger/prof CJ Groenewald.

ZINK HW. *Personal ethics and leadership in business: a study of German-speaking Europe*. Doktorale promotor: Prof SB Bekker.

## **stads- en streekbeplanning / town and regional planning**

### **Referate internasionaal/Papers international**

CLAASSEN PE. *Evolving efforts at sustainable development in Southern Africa*. 14th International Conference of the International Association for People-Environment Studies. Stockholm, Swede, 1996.

### **Referate nasionaal/Papers national**

CLAASSEN PE. *Aspects of the role of the planning system in environmental conservation*. Konferensie: Suid-Afrikaanse Instituut vir Stads- en Streekbeplanners en die "Development Planning Association of South Africa". Johannesburg, 1996.

CLAASSEN PE. *Can the conflict between development and conservation be resolved? A critique of efforts at sustainable development in South Africa*. Tweejaarlikse Konferensie van Ontwikkelingsvereniging van Suid-Afrika. Stellenbosch, 1996.

CLAASSEN PE. *Integrated environmental management as an integral part of planning and development*. Institute of International Research Conference. Johannesburg, 1996.

CLAASSEN PE. *Specifying appropriate public participation in planning legislation*. RGN Konferensie oor: Planning and the environment: A case for public participation. Pretoria, 1996.

## **Magister afgehandel/Master's completed**

VAN JAARSVELD A. *Sosio-kulturele toerisme-invloed monitering in die Kaapse wynlande*. M. (S. en S.), 1996. 266 pp. Studieleier: Dr WP Pienaar.

## **Projekte lopend/Projects current**

CLAASSEN PE. *'n Ondersoek na die mate waartoe daar ruimte vir bome in hoë digtheid behuising is. (An investigation into the availability of space for trees in high density housing.)*

DE VILLIERS MORTEL J. *Die ontstaan, groei en stedelike morfologie van vroeë nedersettings in die Wes-Kaap. (The origin, growth and urban morphology of early settlements in the Western Cape.)*. Magister studieleier: Prof C Tod Welch.

TERBLANCHE AS. *Land-use control in South Africa: its evolution, present impact and future. (Grondgebruikbeheer in Suid-Afrika: die evolusie, huidige impak en toekoms.)*. Doktorale promotor: Dr PE Claassen.

THERON BdeW. *A land-use ethic for cultural landscapes in a rural context ('n Grondgebruiketiek vir kulturele landskappe in 'n landelike konteks.)*. Doktorale promotor/ medepromotor: Prof C Tod Welch/prof JP Hattingh.

VAN DER MERWE D. *'n Ondersoek na die aard van nodusontwikkeling en die formulering van 'n kwalitatiewe stedelike model met spesifieke verwysing na die metropolitaanse gebied van Johannesburg. (An examination of the nature of nodal development and the formulation of a qualitative urban model with special reference to the metropolitan area of Johannesburg.)*. Doktorale promotor: Dr WP Pienaar.

## **eenheid vir kliniese sielkunde / unit for clinical psychology**

### **Tydskrifartikels/Journal articles**

KOTZE HF. Pain and osteoporosis: psychological perspectives. *Osteonews* 1996: 7-9.

ROELOFSE JA, JOUBERT JJdeV, ROELOFSE PGR. A double-blind randomized comparison of midazolam alone and midazolam combined with ketamine for sedation of pediatric dental patients. *Journal of Oral and Maxillofacial Surgery* 1996; **54**: 1-5.

ROELOFSE JH, JOUBERT JJdeV, SWART IC, STANDER I, ROELOFSE PGR. An evaluation of the effect of oral ketamine and standard oral premedication on the sedation of paediatric dental patients. *Journal of the Dental Association of South Africa* 1996; **51**: 197-201.

## Referate nasionaal/Papers national

DE VILLIERS S, VAN DER WESTHUIZEN LeR. *The assessment of interpersonal schemas: an evaluation of the interpersonal schema questionnaire*. 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

KOTZÉ HF, ROELOFSE PGR, LE ROUX MC, DE VILLIERS S, DU TOIT DW. *The registration of psychologists in South Africa*. 2nd Annual Congress of the Psychological Society of South Africa. University of the Witwatersrand, Johannesburg, 1996.

## Projekte afgehandel/Projects completed

BOSHOFF SC, KOTZÉ HF, VAN DER MERWE AP, VAN ROOYEN JW. *Marital or relationship stressors and parents' worries about children in a black township community of South Africa*.

BOSHOFF SC, LE ROUX JA, KOTZÉ HF. *Predictors of relationship quality in gay male cohabiting couples*.

DE VILLIERS S, BOLD LC, ESSER PJ, KOTZÉ HF. *The test-retest reliability of the Orientation to Life Questionnaire*.

DU PLESSIS AS, KOTZÉ HF. *Selfbeeld en angs by minderheidsgroep-  
eerstejaars: implikasies vir akademiese ontwikkeling en prestasie*.

ESSER PJ, DE VILLIERS S, POSTHUMUS T, KOTZÉ HF, BOSHOFF SC, ROELOFSE PGR, ESTERHUYSE C. *The effectiveness of Rational-Emotive Behaviour Therapy and its facilitation by hypnosis and suggestopaedic elements in treating test anxiety*.

JACKSON L, KOTZÉ HF. *The assessment of the relationship between Antonovsky's sense of coherence and stress*.

ROSSOUW W, KOTZÉ HF. *Strain levels, stressors and job satisfaction of managers before and after a stress management programme*.

SHARP C, KOTZÉ HF. *Kliënt-tevredenheid van krisisdienskliënte en faktore wat daarmee verband hou*.

WESSELS DG, KOTZÉ HF. *The influence of cultural factors on HIV prevention programmes in South Africa*.

## Projekte lopend/Projects current

DE VILLIERS S. *Die voorspellingsgeldigheid van die Life Orientation Questionnaire*.

DE VILLIERS S, BOLD LC, KOTZÉ HF. *A 16 personality factor profile for students seeking therapy at a university mental health unit*.

DE VILLIERS S, STEENKAMP B, ESSER PJ. *A profile of university students participating in a weight management programme*.



HOFMEYR MvN, KOTZÉ HF. *Die effektiwiteit van die gebruik van kognitiewe gedragsterapie in kombinasie met kliniese hipnose t.o.v. die verbetering van die emosionele funksionering van die eerstejaarstudente.*

KOTZÉ HF, BOSHOFF SC, DE VILLIERS S, MALAN FB. *The character and incidence of psychological problems among students in Stellenbosch.*

MILES G, KOTZÉ HF. *Nursing the mental health of South Africans - a need assessment of primary health care nurses.*

POSTHUMUS T. *Kognitiewe terapie en hipnose in die behandeling van sosiale fobie.* Doktorale medepromotor: Dr HF Kotzé.

VAN DER WESTHUIZEN L, LE ROUX MC, KOTZÉ HF, VAN GREUNEN G. *The relationship between bruxism and anxiety.*

VLOK LA. *The crisis service, first year development and adjustment at the University of Stellenbosch.* Doktorale promotor: Dr JWvS Wait.

## **eenheid vir voorligtingsielkunde / unit for counselling psychology**

### **Tydskrifartikels/Journal articles**

BRAND HJ. The diagnostic value of the Bene-Anthony Family Relations Test. *Perceptual and Motor Skills* 1996: 1299-1303.

### **Referate nasionaal/Papers national**

BRAND HJ, BRENNAN CV. *Mental health service delivery systems in disadvantaged communities: Problem-areas and dilemmas.* Mini Conference on Transformation in the Communities - How is psychology addressing the challenge? 2 Military Hospital, Cape Town, 1996.

BRAND HJ, GOOSEN LJ. *Die verband tussen beroepsidentiteit, vrees vir gebondenheid en beroepsbesluitloosheid.* Kongres van die Sielkunde Vereniging van Suid-Afrika. Johannesburg, 1996.

### **Navorsingsverslae/Research reports**

BRAND HJ. *Die aard en funksionering van sielkundige dienssentra wat op gemeenskapontwikkeling gerig is.* Eenheid vir Voorligtingsielkunde, US, 1996. 89 pp.

### **Magister afgehandel/Master's completed**

KESSLER EM. *Verskille in akademiese prestasie en psigososiale aanpassing tussen adolessente dogters van ekonomies-aktiewe en ekonomies-onaktiewe moeders.* M.A., 1996. 165 pp. Studieleier: Dr HJ Brand.

### **Projekte lopend/Projects current**

BRAND HJ. *Administration of the Family Apperception Test in the South African context.*

BRAND HJ. *Promoting realistic career decision-making skills through career development counselling.*

SMITH LM. *Die insidensie van uitbrandingsindroom by sielkundiges in Suid-Afrika. (The incidence of burn-out syndrome amongst psychologists in South Africa.).* Magister studieleier: Dr HJ Brand.

SWART B. *Die verband tussen stadium van morele ontwikkeling en lokus van kontrole by verskillende groepe Afrikaanssprekende adolessente. (Relation between level of moral development and locus of control of different groups of Afrikaans speaking adolescents.).* Magister studieleier: Dr HJ Brand.

## **navorsingseenheid vir eksperimentele fonologie / research unit for experimental phonology**

### **Tydskrifartikels/Journal articles**

ROUX JC, LEWIS PW. A phonological process analysis of the acquisition and loss of clicks in Xhosa. *South African Journal of African Languages* 1996; **16**(1): 1-9.

ROUX JC, NTLABEZO BN. Phonetic motivation for phonological processes: Labiodental assimilations in Xhosa. *South African Journal of Linguistics* 1996; (Supplement 31): 139-151.

### **Verrigtinge internasionaal/Proceedings international**

DOGIL G, MAYER J, MAVIMBELA P, ROUX JC, TUOMI S. *Apraxia of speech: evidence for the unencodedness of clicks.* International Congress of Clinical Phonetics and Linguistics. München, Duitsland, 1996: 124-127.

DOGIL G, ROUX JC. *Notes on unencoded speech: Clicks and their accompaniments in Xhosa.* Proceedings of the Sixth Australian International Conference on Speech Science and Technology, SST-96. Adelaide, Australië, 1996: 55-60.

### **Referate internasionaal/Papers international**

DOGIL G, ROUX JC. *Syllables and unencoded speech.* Phonologica 96, International Phonology Meeting. Vienna, Austria, 1996.

ROUX JC. *On click articulation and perception.* International Workshop on Phonetics of the Hungarian Academy of Science. Budapest, Hungary, 1996.

ROUX JC. *Human-machine communication in a developing country.* International Symposium on Culture, Communication and Development. HSRC, Pretoria, South Africa, 1996.

ROUX JC. *Language and speech technology in a developing country.* Third International Conference of the Third World Science, Technology and Development Forum. University of Natal, Pietermaritzburg, South Africa, 1996.

ROUX JC, LEWIS PW. *Preferred syllable structures in Xhosa.* Phonologica 96, International Phonology Meeting. Vienna, Austria, 1996.

## Referate nasionaal/Papers national

ROUX JC. *Noisy and nasal clicks in Nguni*. Jaarkongres van die Afrikatalevereniging van Suider-Afrika. RAU, Johannesburg, 1996.

ROUX JC. *On click articulations in Nguni*. Streekskongres van die Afrikatalevereniging van Suider-Afrika. Bellville. 1996.

ROUX JC, JONES C.JJ. *Intonational structures in Xhosa*. Streekskongres van die Afrikatalevereniging van Suider-Afrika. UNISA, Pretoria, 1996.

ROUX JC, JONES C.JJ. *Queclaratives in Xhosa*. Jaarkongres van die Afrikatalevereniging van Suider-Afrika. RAU, Johannesburg, 1996.

## Projekte afgehandel/Projects completed

ROUX JC, GLASER R, TUOMI S. *The perception of English vowels by Nguni and English listeners as spoken by each group*.

ROUX JC, WISSING DP. *Phonetic and phonological interference of Setwana in Afrikaans*.

## Projekte lopend/Projects current

ROUX JC. *Explaining segmental and suprasegmental phenomena in African languages*.

ROUX JC, DOGIL G. *The phonetics and phonology of click articulations*.

ROUX JC, LEWIS PW. *Preferred syllable structures in Nguni*.

## SENTRUM VIR INTERDISSIPLINÊRE STUDIES/ CENTRE FOR INTERDISCIPLINARY STUDIES

## Tydskrifartikels/Journal articles

CRAIG AP. Psychology's subject. *Suid-Afrikaanse Tydskrif vir Sielkunde* 1995; **25**(4): 236-243.

CRAIG AP. A reply to Vasi van Deventer. *South African Journal of Psychology* 1995; **25**(4): 247-248.

JOUBERT D. Waardes, norme en standaarde: 'n Begripsbepaling. *Tydskrif vir Geesteswetenskappe* 1995; **35**(3): 165-174.

## Verrigtinge internasionaal/Proceedings international

MOUTON J. The end of social theory? *New modes of thinking on the eve of a new century: South African perspectives*. UNISA, 1996: 49-63.

MOUTON J. The structuration of social knowledge. *Methodological challenges of interdisciplinary research in the social sciences*. HSRC, 1996: 31-50.

## **Boeke/Books**

MOUTON J. *Understanding Social Research*. J.L. Van Schaik, 1996: 272 pp.

## **Hoofstukke in boeke/Chapters in books**

MOUTON J. Die aard en struktuur van wetenskapbeoefening. In: Garbers JC, (red.). *Doeltreffende geesteswetenskaplike navorsing*. Van Schaik, 1996: 15-35.

MOUTON J. The nature and structure of the practice of science. In: Garbers JC, (ed.). *Effective research in the human sciences*. Van Schaik, 1996: 14-36.

MOUTON J. Theory, meta-theory and methodology in development research: A heuristic framework. In: Coetzee JK, Graaf J, (eds). *Reconstruction, Development and People*. 1996: 16-38.

## **sentrum vir kontekstuele hermeneutiek / centre for contextual hermeneutics**

## **Projekte lopend/Projects current**

KINGHORN J. *Die verband tussen godsdiens en samelewingswaardes in Suid Afrika*.

LATEGAN BC, KINGHORN J, VAN DER BERG S, McCARTHY CL. *Ekonomiese stelsels en waardes in die Suid-Afrikaanse konteks*.

LATEGAN BC, PATTE D, SMIT DJ, DEIST FE, WEST G. *The ethics of interpretation*.

## **sentrum vir teaternavorsing / centre for theatre research**

## **Tydskrifartikels/Journal articles**

HAUPT A. Stifled noise in the South African music box. *South African Theatre Journal* 1996; **10**(2): 51-61.

HUTCHISON Y. "Access to rather than ownership of": South African theatre history and theory at a crossroad. *South African Theatre Journal* 1996; **10**(1): 35-47.

## **Verrigtinge nasionaal/Proceedings national**

HAUPT A. *Notions of rupture (or noise) in subculture*. Interaction 4. Proceedings of the Fourth Annual Graduate Conference. Bainskloof, 1995.

## **Referate nasionaal/Papers national**

HAUPT A. *Gender vs Nation/Public vs Private/Male vs Female*. Interaction Conference. Bainskloof, 1996.

HAUPT A. *Prophets of a city, censorship and noise*. Association of University English Teachers of South Africa. Cape Town, 1996.

HUTCHISON Y. *South African drama in the African context*. Winter School of the Standard Bank National Arts Festival. Grahamstown, 1996.

### **Projekte lopend/Projects current**

HAUPTFLEISCH T. *A companion to South African theatre*.

HAUPTFLEISCH T. *Teater-vir-ontwikkeling in die Wes-Kaap*.

## **sentrum vir toegepaste etiek / centre for applied ethics**

### **Referate internasionaal/Papers international**

VAN NIEKERK AA. *The value basis of social work management: a South African perspective*. Third International Conference of the Australian Association for Professional and Applied Ethics. Wagga Wagga, Australië, 1996.

### **Referate nasionaal/Papers national**

VAN NIEKERK AA. *The ethics of rationing health care*. National Conference of Hospital Managers. Waterfront, Kaapstad, 1996.

VAN NIEKERK AA. *Values, ethics and conflict in South Africa*. Konferensie van Top- en middelbestuur van Ou Mutual. Kaapstad, 1996.

VAN NIEKERK AA. *Werk die ou etiek vir die nuwe geneeskunde? Ou wyn in nuwe vate*. Donderdag-lesing, Departement Interne Geneeskunde. Tygerberg Hospitaal, Bellville, 1996.

VAN ZYL LL. *Brain death*. Stellenbosse Studenteforum. Stellenbosch, 1996.

VAN ZYL LL. *Death*. Jaarlikse Kongres van die Wysgerige Vereniging van Suider-Afrika. Stellenbosch, 1996.

VAN ZYL LL. *Personal death*. Interdissiplinêre Besprekingsgroep. Departement Sosiologie, US, 1996.

### **Projekte afgehandel/Projects completed**

ESTERHUYSE WP. *Etiese kodes en die probleem van kantoormisdaad*.

VAN NIEKERK AA. *Etiese perspektiewe op die rantsoenering van mediese dienste*.

VAN NIEKERK AA. *Sake-etiek en Christelike waardes*.

### **Projekte lopend/Projects current**

ESTERHUYSE WP. *Die aard en terrein van die sake-etiek as normatiewe filosofiese dissipline.*

ESTERHUYSE WP. *Organisasiekulture en waardes.*

VAN NIEKERK AA. *Die geskiedenis van waardebesinning in die mediese professie.*

VAN NIEKERK AA. *Waardes en waarde-konflik in Suid-Afrika.*

VAN ZYL LL. *Dood, medelye en eutanاسie.*

## **universiteitsmuseum / university museum**

### **Referate internasionaal/Papers international**

BALLOT GM. *South African visual arts in the context of contemporary change.* 26ste Internasionale Kongres van die Forschungsgruppe für Anthropologie und Religionsgeschichte. Münster, Duitsland, 1996.

### **Boeke/Books**

BALLOT GM. *Bettie Cilliers-Barnard. Bowêreldse perspektiewe.* Human & Rousseau, 1996. 160 pp.

### **Hoofstukke in boeke/Chapters in books**

BALLOT GM. *Beeldende kunst in de context van hedendaagse verandering.* In: *Vlaanderen.* Christelijk Vlaams Kunstenaarsverbond, Tielt, België, 1996; **45**(262): 206-209.

BALLOT GM. *Wentelbaan om die mens: Bettie Cilliers-Barnard op 80.* In: *Lantern.* Stigting vir Onderwys, Wetenskap en Tegnologie, Pretoria, 1995; **44**(3): 22-25.

# FAKULTEIT NATUURWETENSAPPE FACULTY OF SCIENCE

---

## biochemie / biochemistry

### Tydskrifartikels/Journal articles

HOFMEYR J-HS, CORNISH-BOWDEN A. Co-response analysis: A new experimental strategy for metabolic control analysis. *Journal of Theoretical Biology* 1996; **182**: 371-380.

MAARTENS A, SWART P, JACOBS EP. Characterisation techniques for organic foulants adsorbed onto flat-sheet UF membranes used in abattoir effluent. *Journal of Membrane Science* 1996; **119**: 1-8.

MAARTENS A, SWART P, JACOBS EP. An enzymatic approach to the cleaning of ultrafiltration membranes fouled in abattoir effluent. *Journal of Membrane Science* 1996; **119**: 9-16.

### Verrigtinge internasionaal/Proceedings international

LOUW A, SWART P, DE KOCK SS, VAN DER MERWE KJ. A mechanism for the stabilization of highly reactive labile natural plant products from *Salsola tuberculiformis* Botsch. *The FASEB Journal* 1996; **10**(3): A648.

MAARTENS A, SWART P, JACOBS EP. Characterisation of fouling and enzymatic cleaning of ultrafiltration membranes fouled during the treatment of biological waste waters. Proceedings of IMSTEC '96 (International Membrane Science and Technology Conference). Sydney, Australia, 1996: 283-285.

### Referate internasionaal/Papers international

BELLSTEDT DU, HARLEY EH. A molecular phylogeny of the genus *Disa*: implications for conservation biology. 1ste Pan-African Kongres oor Biochemie en Molekulêre Biologie. Nairobi, Kenya, 1996.

DENNER K, SWART P, PIFFETEAU A, BERNHARDT R. Inhibition of steroid conversions mediated by human CYP11B1 and CYP11B2 heterologously expressed in V79 cells. 2nd International Symposium on Molecular Steroidogenesis. Monterey, California, USA, 1996.

HAMPF M, SWART AC, BERNHARDT R, SWART P. Sequence of the 11b-hydroxylase gene from the Cape Baboon (*Papio Ursinus*). 7th Conference on the Adrenal Cortex. Crieff, Scotland, 1996.

HOFMEYR J-HS, CORNISH-BOWDEN A. Predicting metabolic pathway kinetics with control analysis. 7de Biotermokinetika Vergadering. Louvain-La-Neuve, België, 1996.

SWART P, LOUW A, DE KOCK SS, VAN DER MERWE KJ. Interaction or reactive labile natural products from *Salsola tuberculiformis* Botch with

*steroidogenic enzymes and steroid binding proteins*. 2nd International Symposium on Molecular Steroidogenesis. Monterey, California, USA, 1996.

SWART P, ENGELBRECHT Y, HERSELMANN T. *An investigation of hypoadrenocorticism in Angora goats*. 7de Kongres oor Adrenale korteks. Crieff, Skotland, 1996.

### **Referate nasionaal/Papers national**

LOUW A, SWART P, DE KOCK SS, VAN DER MERWE KJ. *A mechanism for the stabilization of highly reactive labile natural plant products from Salsola tuberculiformis Botsch*. South African Association of Botanists XXIIth Conference. Stellenbosch, 1996.

SWART P, MAARTENS A, JACOBS EP. *Fouling and the role of enzymes in membrane cleaning*. Membrane Processes and Education, 2nd African Water Conference. Gallagher Estate, Midrand, 1996.

SWART P, SWART A, BESTER R, TODRES PC, DE VILLIERS EP, VAN DER MERWE KJ. *Natural products from the shrub Salsola tuberculiformis Botsch. that inhibit adrenal cytochrome P450 dependent steroidogenesis*. South African Association of Botanists XXIIth Conference. Stellenbosch, 1996.

VAN DER MERWE MJ, RAUTENBACH M. *Evaluation of a synthetic antifungal peptide with LC-ESMS, Mass Spectrometry and Chromatography*. Chromsa and SAAMS. Christiana, 1996.

### **Navorsingsverslae/Research reports**

SWART P, ENGELBRECHT J, MAARTENS A, SWART AC, JACOBS EP. *The development of characterising and cleaning techniques to classify foulants and to remove them from ultra- and microfiltration membranes by biological means*. WRC Report No 531/1/96, 1996. 104 pp.

### **Doktoraal afgehandel/Doctoral completed**

SMUTS CM. *The effect of n-3 fatty acid (fish oil) supplementation on plasma lipoprotein and arterial lipids in Vervet monkeys (Cercopithecus aethiops) with established atherosclerosis*. Ph.D., 1996. 236 pp.  
Promotor/medepromotor: Prof AJS Benade/ prof KJ van der Merwe.

### **Projekte lopend/Projects current**

ALLIE F. *Die invloed van biologiese aktiewe verbindings vanaf Salsola tuberculiformis Botsch. op stereoïed proteïen interaksies*. Magister studieleier: Me A Louw.

ALLIE Z. *The optimisation of biological cleaning techniques for ultrafiltration membranes fouled in abattoir effluent*. Magister studieleier: Prof P Swart.

APPEL M. *A biochemical investigation into the resistance mechanisms of South African commercial stone fruit cultivars against the bacterial cancer pathogen, Pseudomonas syringae pv. syringae, with special emphasis on the role of the bacterial elicitor (harpin) in these interactions*. Doktorale promotor: Prof DU Bellstedt.



ARENDS A. *A biochemical investigation into the compounds involved in pigmentation of pear and apple skins and the manipulation thereof.* Magister studieleier: Prof DU Bellstedt.

BELLSTEDT DU. *Ontwikkeling van immunodiagnostiese metodes en ondersoek na plant gasheer-patogeen interaksies.*

BLIGNAUT A. *Development of an optimal immunization schedule in ostriches for Newcastle Disease Virus.* Magister studieleier: Prof DU Bellstedt.

BROWN N. *'n Vergelykende studie van die P450-11beta-ensiemsisteem in die adrenale mitochondriale steroïedhormoonmetabolisme in angorabokke, boerbokke en merinoskape.* Magister studieleier: Prof P Swart.

ENGELBRECHT E. *A biochemical study of the mechanisms involved in the host-pathogen interaction between Sphaeropsis sapinea and Pinus radiata.* Magister studieleier: Prof DU Bellstedt.

ENGELBRECHT J. *The role of ligninase and cellulase enzymes in host-pathogen interactions between Pinus species and wood rotting fungi and the use of these and other fungal enzymes in membrane cleanup techniques.* Magister studieleier: Prof DU Bellstedt.

ENGELBRECHT Y. *Investigation of hypo-adrenocorticism in Angora goats.* Doktorale promotor: Prof P Swart.

HOFMEYR J-HS. *Eksperimentele kontrole analise van die regulering van serienbiosintese in Escherichia coli.*

HOFMEYR J-HS. *Metaboliëse gedrag en kontrole.*

LOUW A. *The biological action of aziridines related to adrenalin, nor-adrenalin and dopaine.* Doktorale promotor: Prof P Swart.

MAARTENS A. *Application of novel biological cleaning methods for ultrafiltration and microfiltration membranes used in the recycling of industrial waste water with a high organic load.* Doktorale promotor: Prof P Swart.

RAUTENBACH M. *The synthesis and biochemical action of antifungal compounds containing 3-amino fatty acids.* Doktorale promotor: Prof J-HS Hofmeyr.

ROOS W. *Chemiese en immunologiese eienskappe van skaaplewer sitochroom b5.* Magister studieleier: Prof P Swart.

ROUX S. *Distribution and activities of adrenal cytochrome P450-dependent enzymes in the hyrax.* Doktorale promotor: Prof P Swart.

SCHAFER W. *'n Kontrole analise studie van steroïedhormoon biosintese in adrenale mikrosome.* Magister studieleier: Prof P Swart.

SWART AC. *The cloning of a cytochrome P-450 gene from Papio ursinus and its expression in COS 1 cells.* Doktorale promotor: Prof J-HS Hofmeyr.

SWART P. *A study on the molecular level of enzymes involved in mammalian steroidogenesis.*

SWART P, JACOBS EP. *Die ontwikkeling en implimentering van biologiese skoonmaaktegnieke vir ultrafiltrasie- en tru-osmosemembrane vir industriële uitvloeiels met 'n hoë organiese inhoud WNK 660.*

## botanie / botany

### Tydskrifartikels/Journal articles

BUYS MH, VAN DER WALT JJA. Lectotypification of the names of Linnaean *Echium* species now in *Lobostemon* (Boraginaceae). *Taxon* 1996; **45**: 515-517.

BUYS MH, VAN DER WALT JJA. A new species of *Lobostemon* section *Grandiflori* (Boraginaceae) from South Africa. *South African Journal of Botany* 1996; **62**(1): 31-35.

CRAMER MD, LIPS SH. The influence of enriched root-zone CO<sub>2</sub> concentrations on growth, nitrogen metabolism and root HCO<sub>3</sub><sup>-</sup> incorporation in salinity stressed *Lycopersicon esculentum*. *Acta Phytopathologica et Entomologica Hungarica* 1995; **30**: 105-118.

CRAMER MD, SAVIDOV N, LIPS SH. The influence of enriched rhizosphere CO<sub>2</sub> concentrations on N uptake and metabolism in NR-deficient and wild type barley. *Physiologia Plantarum* 1996; **97**: 47-54.

DE VILLIERS OT, BOSMAN M. Analysis of the HMW glutenin subunit composition of wheat cultivars by SDS-PAGE. *South African Journal of Plant and Soil* 1996; **13**(1): 1-4.

ESLER KJ. Is botany growing in South Africa? *South African Journal of Science* 1996; **92**: 333.

GIBBY M, HINNAH S, MARAIS EM, ALBERS F. Cytological variation and evolution within *Pelargonium* sect *Hoarea* (Geraniaceae). *Plant Systematics and Evolution* 1996; **203**: 111-142.

HELLBRÜGGE D, ALBERS F, VORSTER P. A new small-flowered *Pelargonium* species (Geraniaceae) from the Western Cape Province, South Africa. *South African Journal of Botany* 1996; **62**: 143-145.

LE GRANGE EW, DE VILLIERS OT. Extraction and electrophoretic separation of proteins from leaves of scions and root stocks of *Vitis* cultivars. *South African Journal of Plant and Soil* 1996; **13**(2): 42-46.

MARAIS EM. *Pelargonium glabriphyllum* (Geraniaceae): A new species from the Nieuwoudtville area. *South African Journal of Botany* 1996; **62**(5): 228-230.

MARAIS EM. *Pelargonium tripalmatum* (Geraniaceae): A new species from the Richtersveld. *South African Journal of Botany* 1996; **62**(5): 225-227.

McDONALD DJ, COWLING, RM, BOUCHER C. Vegetation-environment relationships on a species-rich coastal mountain range in the fynbos biome (South Africa). *Vegetatio* 1996; **123**: 165-182.

VAN HEERDEN PDR, DE VILLIERS OT. Evaluation of proline accumulation as an indicator of drought tolerance in spring wheat cultivars. *South African Journal of Plant and Soil* 1996; **13**(1): 17-22.

VAN HEERDEN PDR, DE VILLIERS OT. Evaluation of the relative water content and the reduction of 2, 3, 4-triphenyltetrazoliumchloride as indicators of drought tolerance in spring wheat cultivars. *South African Journal of Plant and Soil* 1996; **13**(4): 131-135.

VOLSCHENK GC, HUNTER JJ, WATTS JE. The effect of different zinc levels on the growth of grapevines. *Journal of Plant Nutrition* 1996; **19**(6): 827-837.

VORSTER P. *Encephalartos aplanatus* (Zamiaceae): A new species from Swaziland. *South African Journal of Botany* 1996; **62**: 57-60.

VORSTER P. *Encephalartos brevifoliolatus* (Zamiaceae): A new species from the Northern Province. *South African Journal of Botany* 1996; **62**: 61-64.

VORSTER P. *Encephalartos msinganus* (Zamiaceae): A new species from KwaZulu-Natal. *South African Journal of Botany* 1996; **62**: 67-70.

VORSTER P. *Encephalartos senticosus* (Zamiaceae): A new species from northern KwaZulu-Natal and Swaziland. *South African Journal of Botany* 1996; **62**: 76-79.

VORSTER P. *Encephalartos venetus* (Zamiaceae): A new species from the Northern Province. *South African Journal of Botany* 1996; **62**: 71-75.

VORSTER P. Justification for the generic status of *Courtoisina* (Cyperaceae). *Botanical Journal of the Linnean Society* 1996; **121**: 271-280.

VORSTER P. *Pelargonium redactum* (Geraniaceae): A new species from the Northern Cape Province and Namibia. *South African Journal of Botany* 1996; **62**: 54-56.

## **Verrigtinge internasionaal/Proceedings international**

VORSTER P, SPREETH AD. *Leaf anatomy and generic delimitation in South African Amaryllidaceae*. Proceedings of the XIVth AETFAT Congress. Wageningen, Nederland, 1996: 513-516.

## **Referate nasionaal/Papers national**

BOUCHER C. *Environmental considerations and rehabilitation techniques applied in the reconstruction of the Du Toitskloof National Road*. Annual Research Meeting, Fynbos Forum. Worcester, 1996.

BOUCHER C. *Restoration in the Fynbos Biome*. Annual Research Meeting, Fynbos Forum. Worcester, 1996.

BOUCHER C, ANDERSON M, RACTLIFFE G, CARTER N. *Du Toitskloof National Road Reconstruction: Environmental considerations and rehabilitation techniques*. Suid-Afrikaanse Genootskap van Plantkundiges, Jaarkongres. Stellenbosch, 1996.

BUYS MH, VAN DER WALT JJA. *Floral characters in Lobostemon section Grandiflori (Boraginaceae)*. Suid-Afrikaanse Genootskap van Plantkundiges, Jaarkongres. Stellenbosch, 1996.

CRAMER MD, SAVIDOV NA, LIPS SH. *The influence of enriched rhizosphere CO<sub>2</sub> concentrations on N uptake and metabolism in wildtype and NR-deficient barley plants*. Suid-Afrikaanse Genootskap van Plantkundiges, Jaarkongres. Stellenbosch, 1996.

CRAMER MD, SCHIERHOLT A, WANG YZ, LIPS SH. *The influence of salinity on the utilisation of root anaplerotic carbon and nitrogen metabolism in tomato seedlings*. Suid-Afrikaanse Genootskap van Plantkundiges, Jaarkongres. Stellenbosch, 1996.

DU PREEZ G, VAN DER WALT JJA. *Ecological and reproductional aspects of Pelargonium mollicomum (section Chorisma)*. Suid-Afrikaanse Genootskap van Plantkundiges, Jaarkongres. Stellenbosch, 1996.

ESLER KJ, RUNDEL PW, COWLING RM, MIDGLEY JJ. *Plant form and function in an extraordinary desert: The western succulent Karoo*. Suid-Afrikaanse Genootskap van Plantkundiges, Jaarkongres. Stellenbosch, 1996.

LOUW N, VAN DER WALT JJA, BOUCHER C. *A comparative study of the breeding systems and genetic diversity of Brachysiphon rupestris and B. acutus (Peneaceae)*. Suid-Afrikaanse Genootskap van Plantkundiges, Jaarkongres. Stellenbosch, 1996.

PIETERSE PJ, BOUCHER C. *The utilization of woody legume invaders as mulches: A preliminary study*. Suid-Afrikaanse Genootskap van Plantkundiges, Jaarkongres. Stellenbosch, 1996.

RODE E, BOUCHER C. *A multi-disciplinary approach to the study of the Veldwachters River and its catchment*. Suid-Afrikaanse Genootskap van Plantkundiges, Jaarkongres. Stellenbosch, 1996.

VAN DER MERWE CA, CRAMER MD. *The effect of elevated rhizosphere CO<sub>2</sub> concentrations on nitrogen uptake in tomato plants (Lycopersicon esculentum)*. Suid-Afrikaanse Genootskap van Plantkundiges, Jaarkongres. Stellenbosch, 1996.

## **Hoofstukke in boeke/Chapters in books**

STRUCK M, VAN DER WALT JJA. *Floral structure and pollination in Pelargonium*. In: Van der Maesen LJG, et al, (eds). *The Biodiversity of African Plants*. Kluwer Academic Publishers, Dordrecht, The Netherlands, 1996: 631-638.

## **Doktoraal afgehandel/Doctoral completed**

LOUW N. *A comparative study of the reproduction, autecology and genetic diversity of Brachysiphon rupestris, B. acutus and some other species of the Peneaceae*. Ph.D., 1996. 350 pp. Promotor/medepromotor: Prof JJA van der Walt/dr C Boucher.

## **Projekte lopend/Projects current**

BEUKES O. *Die invloed van die grondwater-regime op die groei, produksie en vrugwaliteit van perskes*. Magister studieleier: Dr JE Watts.

BOTES PJ. *A survey of land-use patterns and of coastal vegetation between the Duiwenhoks River and Grootjongensfontein, south of the Blombos Road*. Magister studieleier: Dr C Boucher.

BOUCHER C. *Die flora en plantegroei van riviere van die Suid-Wes Kaap*.

BOUCHER C. *Die outekologie van skaars en bedreigde plante in die fynbos bioom*.

BOUCHER C. *Die restorasie van plantegroei in Suid-Wes Kaapland*.

BOWIE M. *Ecophysiological investigation in the western succulent Karoo*. Magister studieleier: Dr K Esler.

BUYS MH. *A biosystematic study of Lobostemon (Boraginaceae)*. Doktorale promotor: Prof JJA van der Walt.

CRAMER M. *The influence of enriched rhizosphere inorganic carbon concentrations on the growth and physiology of plants*.

DAVIS RA. *A palynological investigation of the subfamily Ericoideae*. Magister studieleier: Dr EM Marais.

DU PREEZ G. *A biosystematic and ethnobotanical study of Carpobrotus species*. Magister studieleiers: Prof JJA van der Walt en dr KJ Esler.

ESLER KJ. *Plant form and function in an extraordinary desert: The western succulent Karoo*.

GOLIATH J. *An evaluation of the vegetation of the Witels River at Ceres*. Magister studieleier: Dr C Boucher.

KUUN L. *Die taksonomiese waarde van die blaarmorfologie en -anatomie van die genus Zygophyllum (Zygophyllaceae) in suidelike Afrika*. Magister studieleier: Prof JJA van der Walt.

LE ROUX A. *Abiotic variables, flora and vegetation as determinants for conservation priorities in Namaqualand*. Doktorale promotor: Dr C Boucher.

MARAIS EM. *Taksonomiese studies in Pelargonium, seksie Hoarea (Geraniaceae)*.

MARAIS EM, BEYERS J. *Palinologiese studies in die Thymelaeaceae*.

PIETERSE PJ. *Comparative autecological studies of three invasive exotic species, Acacia mearnsii, A. melanoxylon and Paraserianthes lophantha, in South Africa*. Doktorale promotor: Dr C Boucher.

SALIE K. *The contribution of wetlands to the species diversity of fynbos at Jonkershoek*. Magister studieleiers: Dr C Boucher en KJ Esler.

SCHEEPERS JL. *Boscia albitrunca-Giraffa camelopardis interaction in the Etosha National Park*. Doktorale promotor: Dr C Boucher.

SOUTHEY J. *Southbestande Vitis vinifera onderstokke*. Magister studieieier: Dr JH Jooste.

SWART JPJ. *Cotton linters classification: A morphological and chemical study*. Doktorale promotors: Prof JJA van der Walt en dr RD Sanderson.

VAN AS JA. *Meganisme van die opname en vervoer van sink*. Doktorale promotor: Dr JH Jooste.

VAN DER MERWE AM. *A biosystematic study of the seven minor genera of the Hyacinthaceae*. Doktorale promotor: Prof JJA van der Walt.

VAN DER MERWE CA. *The influence of increased rhizosphere carbon dioxide concentrations on nitrogen metabolism in tomato plants (Lycopersicon esculentum L.Mill.)* Doktorale promotor: Dr MD Cramer.

VAN ZYL L. *'n Taksonomiese hersiening van die Zygothylaceae in suidelike Afrika*. Doktorale promotor: Prof JJA van der Walt.

VORSTER P. *A conspectus of the Amaryllidaceae of South Africa: A handbook*.

VORSTER P. *Taksonomie van Pelargonium (Geraniaceae)*.

VORSTER P. *Taxonomical studies in the genus Encephalartos (Zamiaceae)*.

## chemie / chemistry

### Tydskrifartikels/Journal articles

BURGER BV, TIEN F-C, LE ROUX M, MO W-P. Mammalian exocrine secretions X. Constituents of the preorbital secretions of grysbok, *Raphicerus melanotis*. *Journal of Chemical Ecology* 1996; **22**: 739-764.

BURGER BV, BURGER WGB, BURGER I. Trace determination of volatile organic compounds in water using permeation through a hollow fibre membrane and carrier gas stripping. *Journal of High Resolution Chromatography* 1996; **19**: 571-576.

CRUYWAGEN JJ, HEYNS JBB, WESTRA AN. Protonation equilibria of mononuclear vanadate and thermodynamic evidence for the expansion of the coordination number in  $\text{VO}_2^+$ . *Inorganic Chemistry* 1996; **35**(5): 1556-1559.

LILES DC, VERHOEVEN PFM. Synthesis,  $^{31}\text{P}$  NMR data and X-ray analysis of a ruthenium(II) dimethylphenylphosphine complex with dimerized phenylacetylene: the structure of  $((\text{PhMe}_2\text{P})_4\text{Ru}(\eta^3\text{-PhC}_3\text{CHPh}))(\text{PF}_6)$ . *Journal of Organometallic Chemistry* 1996; **522**: 33-38.

### Verrigtinge internasionaal/Proceedings international

BURGER I, ALBRECHT CF, SPIES HSC, BURGER BV. *Isolation and characterization of two saponins from Becium grandiflorum var. obovatum*. Proceedings of the First Symposium of the International Organization for

Chemical Sciences in Development. Victoria Falls, Zimbabwe, 1996: 295-302.

DE GOEDE S, ENGELBRECHT WJ, VAN DER MERWE SWJ, BELL AF, TAYLOR AB. *Aldehyde emissions quantification with primary and secondary alcohols in SI fuel blends*. Eleventh International Symposium on Alcohol Fuels. Sun City, South Africa, 1996: 796-808.

## Referate internasionaal/Papers international

BREDENKAMP MW, PRINSLOO M-L, SCHNEIDER DF. *Tin dynamics in the selective derivatization of myo-inositol*. 18de Internasionale Koolhidraat Simposium. Milaan, Italië, 1996.

BREDENKAMP MW, SANDERSON RD, TRUTER WH. *Cobalt complexes of chiral glyoximes*. 6de Belgiese Organiese Sintese Simposium. Gent, België, 1996.

BURGER BV, BURGER I, BURGER WGB. *Application of hollow fibre membrane technology to the determination of air pollutants*. 2nd International Symposium on Chromatography and Spectroscopy in Environmental Analysis and Toxicology. St Petersburg, Russia, 1996.

BURGER BV, BURGER I, BURGER WGB. *Trace determination of air pollutants using a hollow fibre membrane extraction module and carrier gas stripping*. 18th International Symposium on Capillary Chromatography. Riva del Garda, Italy, 1996.

BURGER BV, CARGANICO RFJ, SPIES HSC, BURGER WJG. *Chiral CGC using derivatized cyclodextrins*. 18th International Symposium on Capillary Chromatography. Riva del Garda, Italy, 1996.

BURGER BV, PETERSEN WGB. *Identification of a constituent of the sex pheromone of *Kheper subaeneus* using CGC and a living detector (EAD)*. 18th International Symposium on Capillary Chromatography. Riva del Garda, Italy, 1996.

BURGER I, ALBRECHTS CF, SPIES HSC, BURGER BV. *Isolation and characterization of triterpenoid saponins in *Becium grandiflorum* var. *obovatum**. International Symposium: Chemistry, Biological and Pharmacological Properties of African Medicinal Plants. Victoria Falls, Zimbabwe, 1996.

CRONJE L, DU PISANI C, MALHERBE JS, MEYER CJ, SCHNEIDER DF, VENTER PCR. *The stereo- and chemoselective manipulation of the reactions of phosphorus stabilized mono- and dianions with selected electrophiles*. 6th Belgian Organic Synthesis Symposium. Gent, België, 1996.

CRONJE L, MALHERBE JS, MEYER CJ, SCHNEIDER DF. *Synthesis and utilization of phosphorus stabilized carbanions derived from ethyl 3-oxobutanoate*. 11th International Conference on Organic Synthesis. Amsterdam, Nederland, 1996.

CRUYWAGEN JJ, ROHWER EA. *Complex formation between molybdenum(VI) and malic acid*. 31ste Internasionale Konferensie oor Koördinasiechemie. Vancouver, Kanada, 1996.

HEYNS JBB, CRUYWAGEN JJ, ROHWER EA. *Complexation between molybdenum(VI) and alizarin red S*. 31ste Internasionale Konferensie oor Koördinasiechemie. Vancouver, Kanada, 1996.

KRIEK RJ, CRUYWAGEN JJ, ENGELBRECHT WJ. *Palladium(II)-complexes: equilibrium constants and photocatalytic reduction*. Sixth International Conference on The Chemistry of the Platinum Group Metals. York, UK, 1996.

STOCKENSTRÖM S, DE VILLIERS D, ENGELBRECHT WJ, SHEPHARD GS, SYDENHAM EW, THIEL PG, WESSELS GFS. *Photocatalytic decomposition of microcystins in water*. IX International IUPAC Symposium on Mycotoxins and Phycotoxins. Rome, Italy, 1996.

## Referate nasionaal/Papers national

BREDENKAMP MW, CRONJE L, LABUSCHAGNE AJH, MEYER CJ, SCHNEIDER DF. *The utilization of phosphorus stabilized mono- and dianions as ambident nucleophiles*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

BREDENKAMP MW, SANDERSON RD, TRUTER WH. *Living radical polymerization*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

BREDENKAMP MW, SANDERSON RD, TRUTER WH. *Preparation of chiral cobalt complexes*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

BURGER BV. *Identification and synthesis of some insect and mammalian semiochemicals*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

BURGER BV, PETERSEN WGB, SPIES HSC, TRIBE GD. *Identification and synthesis of the sex pheromone of the dung beetle *Kheper bonelli**. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

BURGER BV, SMIT D, SCHMIDT U, SEINE R, GRIERSON GR. *Identification of semiochemicals in the buccal and ventral secretions of the dwarf hamster, *Phodopus sungorus**. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

BURGER I, BURGER BV, ALBRECHT CF, SPIES HSC. *Isolation and characterization of two terpenoid saponins from *Becium grandiflorum* var. *obovatum**. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

CARGANICO RFJ, BURGER BV, SPIES HSC, BURGER WJG. *Separation of optical isomers by gas chromatography: Cyclodextrin derivatives as model compounds for the investigation of the separation mechanism*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

CRUYWAGEN JJ, ROHWER EA. *Complex formation of molybdenum(VI) and tungsten (VI) with mandelate*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.



CRUYWAGEN JJ, WESTRA AN. *Thermodynamic quantities for poly-anions in the vanadium(V)-aqua system*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

DE GOEDE S, ENGELBRECHT WJ, VAN DER MERWE SWJ, TAYLOR AB. *Aldehyde emission quantification with primary and secondary alcohols in SI fuel blends*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

DE VILLIERS D, ENGELBRECHT WJ, WESSELS GFS. *Designing a photocatalytic reactor for water treatment applications*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

DU PISANI C, MEYER CJ, SCHNEIDER DF, VENTER PCR. *Synthesis and implementation of phosphorus stabilized dianions*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

HALL PS, THORNTON DA, VERHOEVEN PFM. *The infrared spectra and normal coordinate analysis of cis-[Rh(CO)<sub>2</sub>(NH<sub>3</sub>)X] (X=Cl, Br) and its isotopomers*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

HEYNS JBB, CRUYWAGEN JJ, ROHWER EA. *Alizarin red S - molybdenum complexation revisited*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

KRIEK RJ, CRUYWAGEN JJ, ENGELBRECHT WJ. *Speciation of Pd(II)-chloride complexes followed by photocatalytic reduction*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

MALHERBE JS, PRINSLOO M-L, SANDERSON RD, SCHNEIDER DF. *Synthesis of monomers for the development of tubular membranes*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

MALHERBE JS, SCHNEIDER DF, VILJOEN MS. *The utilization of phosphorus stabilized mono- and dianions for the synthesis of cyclic compounds with specific substitution patterns*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

MEYER CJ, SCHNEIDER DF, VENTER AC. *Utilization of phosphorus stabilized carbanions as ambident nucleophiles in their reactions with  $\alpha, \beta$ -unsaturated electrophiles*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

NIEUWOUDT TW, ENGELBRECHT WJ, CRUYWAGEN JJ. *The application of the photocatalytic process to the treatment of tannery effluent*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

ROHWER EA, CRUYWAGEN JJ. *Complexation between molybdenum(VI) and malic acid*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

SCHNEIDER DF, SCHREUDER I, STOFBERG DL, SANDERSON RD. *Furan based polymer intermediates*. 33ste Konvensie van die Suid-Afrikaanse Chemiese Instituut. Kaapstad, 1996.

## Patente/Patents

NELL AE, BURGER BV. *Attracting and/or controlling insects*. SA Patent No. 94/9390, 1994.

SEPPÄ RUI, ENGELBRECHT WJ, HEARN IR, VAN STADEN GF, SCHNEIDER DF. *Treatment of undesirable halogenated organic compounds*. SA Patent No. 95/2128, 1995.

### **Magister afgehandel/Master's completed**

DU PISANI C. *Investigations toward the stereoselective synthesis of polyenes of potential biological significance*. M.Sc., 1996. 104 pp. Studieleiers: Prof DF Schneider en dr CJ Meyer.

FAUL CFJ. *The evaluation of a reductive pyrolysis reactor for the destruction of CFC-12, and the production of HCN*. M.Sc. cum laude, 1996. 193 pp. Studieleier: Prof WJ Engelbrecht.

KOTZÉ HA. *Identifikasie en sintese van spiroasetale van die preorbitale afskeiding van die rooiduiker *Cephalophus natalensis**. M.Sc., 1996. 117 pp. Studieleier: Prof BV Burger.

LINDE H. *Die fotokatalitiese ontbinding van humussure in drinkwater*. M.Sc., 1996. 126 pp. Studieleiers: Prof WJ Engelbrecht en dr GFS Wessels.

VENTER PCR. *Sintese en aanwending van fosforgestabiliseerde dianione*. M.Sc., 1996. 129 pp. Studieleiers: Prof DF Schneider en dr CJ Meyer.

### **Projekte afgehandel/Projects completed**

MEYER CJ, SCHNEIDER DF. *Sintese van aromatiese verbindings deur middel van ongewone basis-gekataliseerde sikliseringsreaksies*.

### **Projekte lopend/Projects current**

BREDENKAMP MW. *Nuwe bereidings van suikers wat op slegs een spesifieke posisie nie beskerm is nie. (Novel routes for the preparation of sugars that are unprotected at one specific position).*

BREDENKAMP MW. *Tinbemiddelde selektiewe sililering van koolhidrate. (Tin mediated selective silylation of carbohydrates).*

BURGER BV, BORZYK O, DU PLESSIS M. *Chemiese karakterisering van die semiochemiese afskeiding van *Phoeniculus purpureus*. (Chemical characterization of the semiochemical secretion of *Phoeniculus purpureus*).*

BURGER BV, CARGANICO R. *Gebruik van gederivatiseerde siklodekstriene in die gaschromatografiese skeiding van optiese isomere. (Application of derivatized cyclodextrins in the gas chromatographic separation of optical isomers.)*

BURGER I. *Bepaling van die strukture van plantprodukte wat vir die behandeling van kanker gebruik word. (Determination of the structures of plant products used in the treatment of cancer.)* Doktorale promotor/medepromotors: Prof BV Burger/drr CF Albrecht en MW Bredenkamp.

CLOETE V. *Die generering van chloroform by chloorbehandeling van humussuurbevattende drinkwater. (The generation of chloroform by chlorination of humic acid containing drink water.)* Magister studieleiers: Prof WJ Engelbrecht en dr GFS Wessels.

CRUYWAGEN JJ, HEYNS JBB, ROHWER EA. *Die koördinasiechemie van molibdeen (VI) en wolfram(VI). (The coordination chemistry of molybdenum (VI) and tungsten (VI).)*

CRUYWAGEN JJ, SPIES HSC. *KMR-ondersoek van molibdaat-protonasie- en kondensasie-ewewigte. (NMR investigation of molybdate protonation and condensation equilibria.)*

DE GOEDE S. *Die monitering van die emissies van vonkontstekingsenjins onder verskillende rykondisies en met verskillende brandstofmengsels. (The monitoring of emissions of spark ignition engines under different driving conditions with various fuel blends.)* Magister studieleiers: Prof WJ Engelbrecht en dr SWJ van der Merwe.

DE VILLIERS D. *Die evaluering van 'n opgeskaleerde reaktor vir die fotokatalitiese ontbinding van besoedelingstowwe in water. (The evaluation of an upscaleable reactor for the photocatalytic decomposition of pollutants in water.)* Doktorale promotors: Prof WJ Engelbrecht en dr GFS Wessels.

HEYNS JBB, CARRON KT. *Selektiewe deteksie en meting van besoedelstowwe in omgewingswater deur SERS ("Surface Enhanced Raman Spectroscopy"). (Selective detection and measurement of pollutants in environmental water by SERS.)*

KRIEK RJ. *Skeiding en herwinning van die Pt-groep metale deur differensiële fotokatalitiese reduksie. (The separation and recovery of Pt-group metals by differential photocatalytic reduction.)* Doktorale promotors: Proff WJ Engelbrecht en JJ Cruywagen.

LOMBARD JF. *Simulering van die emissies van straalvliegtuig- en missiel pluime. (Simulation of emissions jet aircraft and missile plumes.)* Doktorale promotors: Proff WJ Engelbrecht en RD Sanderson.

MALHERBE JS. *Basis-gekataliseerde reaksies van kwaternêre fosfoniumione. (Base-catalyzed reactions of quarternary phosphonium ions.)* Doktorale promotor: Prof DF Schneider.

MALHERBE JS, SCHNEIDER DF. *Kruisgekonjugeerde poliëne. Michael-addisies van allielideenfosfoniumyliede. (Cross-conjugated polyenes. Michael additions of allylidene phosphonium ylides.)*

MALHERBE JS, SCHNEIDER DF. *Sintese van sikliese verbindings via intramolekulêre kondensasies van die Wittig-tipe. (Synthesis of cyclic compounds via intramolecular condensations of the Wittig type.)*

MALHERBE JS, SCHNEIDER DF. *Sintese van terpenoïede en verwante poliëne. (Synthesis of terpenoids and related polyenes.)*

MEYER CJ, SCHNEIDER DF. *Bestudering van die meganisme van die fragmentasie van  $\alpha$ -karbetoksümetileenfosfoniumyliede deur van spesifiek-gedeutereerde yliede gebruik te maak. (An investigation of the mechanism*

for the fragmentation of  $\alpha$ -ethoxycarbonylmethylenephosponium ylides by the utilization of specifically deuterated ylides.)

MEYER CJ, SCHNEIDER DF. *Kondensasie van fosfoniumyliede met propynoateesters. (Condensation of phosphonium ylides with propynoate esters.)*

NIEUWOUDT TW. *Die toepassing van die fotokatalitiese proses op die uitvloei van 'n leerlooier. (The application of the photocatalytic process to the treatment of tannery waste.)* Magisterstudieleiers: Proff WJ Engelbrecht en JJ Cruywagen.

PETERSEN WGB. *Semiochemiese kommunikasie by miskruiers. (Semiocemical communication in dung beetles.)* Doktorale promotor: Prof BV Burger.

PRINSLOO M-L. *Die selektiewe derivatisering van mio-inositol. (The selective derivatisation of myo-inositol.)* Doktorale promotor: Dr MW Bredenkamp.

SCHNEIDER DF. *Ontwikkeling van sinteses van verbindings van industriële belang. (Development of syntheses for industrially important compounds.)*

SMIT D. *Chemiese karakterisering van die wang- en maagklierafskeidings van die hamster, Phodopus sungorus. (Chemical characterization of the buccal and ventral secretions of the hamster Phodopus sungorus.)* Doktorale promotor: Prof BV Burger.

STANDER MA. *Chemiese karakterisering van die preorbitale afskeiding van die suni, Neotragus moschatus. (Chemical characterization of the preorbital secretion of the suni, Neotragus moschatus.)* Magister studieleier: Prof BV Burger.

TRUTER WH. *Die bereiding van chirale kobaltkomplekse vir lewende radikaalpolimerisasie. (The preparation of chiral cobalt complexes for living radical polymerisation.)* Magister studieleier: Dr MW Bredenkamp.

VERHOEVEN PFM. *Die sintese en karakterisering van organometaalverbindings. (The synthesis and characterisation of organometallic compounds.)*

VILJOEN MS. *Die benutting van fosforgenstabiliseerde mono- en dianione vir die sintese van sikliese verbindings met spesifieke substitusiepatrone. (The utilization of phosphorus stabilized mono- and dianions for the synthesis of cyclic compounds with specific substitution patterns.)* Doktorale promotor/medepromotor: Prof DF Schneider/ mnr JS Malherbe.

WESTRA AN. *Hidrolise en kompleksvorming van vanadium(V). (Hydrolysis and complex formation of vanadium (V).)* Doktorale promotor/medepromotor: Prof JJ Cruywagen/dr JBB Heyns.

## fisika / physics

### Tydskrifartikels/Journal articles

BROWN BA, RICHTER, WA. Neutron halos in the Na isotopes. *Physical Review C* 1996; **54**: 673–678.

COWLEY AA, ARENDSE GJ, KOEN JW, RICHTER WA, STANDER JA, STEYN GF, DEMETRIOU P, HODGSON PE, WATANABE Y. Inclusive ( $p,a$ ) reactions on  $^{27}\text{Al}$ ,  $^{59}\text{Co}$  and  $^{197}\text{Au}$  at incident energies of 120, 160 and 200 MeV. *Physical Review C* 1996; **54**: 778–783.

LINDER, CJ, HILLHOUSE G. Teaching by conceptual exploration. *The Physics Teacher* 1996; **34**: 332–338.

RICHTER WA, STEYN SW, COWLEY AA, STANDER JA, KOEN JW, LINDSAY R, HILLHOUSE GC, JULIES RE, LAWRIE JJ, PILCHER JV, HODGSON PE. Inclusive ( $p,p'$ ) reactions on nuclei in the mass range 115 to 181 at incident energies from 120 to 200 MeV. *Physical Review C* 1996; **54**: 1756–1765.

STEYN GF, FÖRTSCH SV, LAWRIE JJ, SMIT FD, NEWMAN RT, COWLEY AA, LINDSAY R. Single-nucleon transfer to unbound states by means of the  $^4\text{He}(a, ^3\text{He})^5\text{He}$  reaction at 158 and 200 MeV. *Physical Review C* 1996; **54**: 2485–2492.

### Referate internasionaal/Papers international

HILLHOUSE GC, DE KOCK PR. *Probing the medium-modified NN interaction via quasielastic ( $p,p$ ) and ( $p,n$ ) spin observables*. 12th International Symposium on High-Energy Spin Physics. Vrije Universiteit Amsterdam, The Netherlands, 1996.

MELLINGER A, ROHWER EG, JUNGEN CH, VIDAL CR. *Multichannel quantum defect analysis of the  $p$ -,  $d$ - and  $f$ -triplet Rydberg complex of the CO molecule*. Frühjahrstagung der Deutschen Physikalischen Gesellschaft. Rostock, Germany, 1996.

MELLINGER A, ROHWER EG, JUNGEN CH, VIDAL CR. *Triplet Rydberg levels of carbon monoxide: Analysis of the  $nd$  and  $nf$  ( $n = 4..10$ ) series*. The Royal Society Discussion Meeting on Molecular Rydberg Dynamics. London, 1996.

VAN DER WESTHUIZEN P, VISSER K, BEUKMAN DC. *Radiative lifetimes of the  $3p\ ^4D_J^0$  levels in Ne II*. 28th EGAS Conference. Graz, Austria, 1996.

### Referate nasionaal/Papers national

ARENDSE GJ. *Distortion in proton-knockout reactions*. SAIF Konferensie. Universiteit van Pretoria, 1996.

CARTER, J, VON NEUMANN-COSEL P, BROOKES, FD, BUFFLER A, COWLEY AA, DIESENER H, FEARICK RW, FÖRTSCH SV, HARAKEH MN, LAWRIE JJ, MILLS SJ, NEWMAN RT, PILCHER JV, RICHTER A, SMIT FD, STEYN GF, STRAUCH S, WHITTAL DM. *Excitation and decay of giant resonances in  $^{40,48}\text{Ca}$  from the ( $p,p'$ ) reaction at  $E_p = 100$  MeV*. SAIF Konferensie. Universiteit van Pretoria, 1996.

COWLEY AA. *Coincident proton emission from the continuum induced by incident protons at 400 MeV*. SAIF Konferensie. Universiteit van Pretoria, 1996.

LAWRIE JJ, COWLEY AA, FÖRTSCH, LINDSAY R, NEWMAN RT, SMIT FD, STEYN GF. *The  $\alpha$  ( $\alpha$ ,  $^3\text{He}$ ) $^5\text{He}$  reaction at 158 and 200 MeV.* SAIF Konferensie. Universiteit van Pretoria, 1996.

McDERMOTT LS, WALTERS PE. *The preparation of oxide-coated cathodes for the thermionic diode detector.* SAIF Konferensie. Universiteit van Pretoria, 1996.

RICHTER WA, BROWN BA. *Neutron halos in the Na isotopes.* SAIF Konferensie. Universiteit van Pretoria, 1996.

VAN DER VENDEL BIS, DE KOCK PR, HILLHOUSE GC. *Medium effects in quasielastic scattering of polarized protons from nuclei.* SAIF Konferensie. Universiteit van Pretoria, 1996.

WALTERS PE. *ARLABS Gold Medal Lecture: Application of diode lasers in spectroscopy.* ICP-OES Symposium. Universiteit van Pretoria, 1996.

WALTERS PE. *Diode lasers in atomic physics research.* SAIF Konferensie. Universiteit van Pretoria, 1996.

WALTERS PE, KOTZE G. *Concentration determination by means of wavelength modulation of a diode laser.* SAIF Konferensie. Universiteit van Pretoria, 1996.

WHITTAL DM, CARTER J, COWLEY AA, FÖRTSCH SV, HILLHOUSE GC, LAWRIE JJ, LINDSAY R, MILLS SJ, PILCHER JV, SMIT FD, STEYN GF. *Coherent interference between giant resonance and quasifree scattering amplitudes.* SAIF Konferensie. Universiteit van Pretoria, 1996.

WYNGAARDT SM, HILLHOUSE GC, DE KOCK PR. *Relativistic (Dirac) effects on spin observables for proton knockout reactions.* SAIF Konferensie. Universiteit van Pretoria, 1996.

## Projekte lopend/Projects current

ARENDSE GJ. *Nuclear distortion in the (p,2p) knockout reaction on  $^{208}\text{Pb}$  at an incident energy of 200 MeV.* Doktorale promotor: Prof AA Cowley.

DE KOCK EA. *Pencil beam model for proton therapy planning incorporating energy-loss and multiple scattering through Computed Tomography data.* Doktorale promotor: Prof FJW Hahne.

DE WAAL HS. *Thin film intermetallic compound formation.* Doktorale promotor: Dr R Pretorius.

HILLHOUSE GC. *Problems relating to nuclear reactions with polarized proton beams.* Doktorale promotor: Prof PR de Kock.

McDERMOTT LS. *The thermionic diode as detector in the spectroscopic determination of energy states in atoms and molecules.* Magister studieleier: Prof PE Walters.

MARITZ EJ. *Fabrication and characterization of high-temperature superconducting thin films deposited by pulsed laser deposition, and the study of superconductor-isolator superlattices.* Doktorale

promotor/medepromotors: Prof IP Krylov (UWK)/dr R Pretorius (NVS) en prof PR de Kock.

MONCADA A. *The Gribov ambiguity and BRS symmetry of Gauge theories*.  
Doktorale promotor/medepromotor: Prof FG Scholtz/prof HB Geyer.

STEYN SW. *Multistep direct reactions in nuclei*: Doktorale  
promotor/medepromotor: Dr WA Richter/prof AA Cowley.

THERON CC. *Diffusing species and mechanism at interfaces during solid-state interaction*.  
Doktorale promotor/medepromotor: Dr R Pretorius/dr JC Lombaard.

VAN BILJON AJ. *Localization – delocalization transitions in disordered systems*.  
Magister studieleier: Prof FG Scholtz.

VAN DER VENDEL BIS. *Polarization transfer parameters in nuclear reactions*.  
Doktorale promotor: Prof PR de Kock.

WYNGAARDT SM. *Relativistic effects on spin observables for proton knockout reactions*:  
Magister studieleier/medestudieleier: Prof AA Cowley/mnr GC Hillhouse.

## **geologie / geology**

### **Tydskrifartikels/Journal articles**

BARTON ES, HALLBAUER DK. Trace element and U-Pb isotope compositions of pyrite types in the Proterozoic Black Reef, Transvaal Sequence, South Africa: Implications on genesis and age. *Chemical Geology* 1996; **133**: 173-199.

HAMMAN JN, ROZENDAAL A, JORDAAN LJ. Gabbro-norite-hosted Ni-Cu(Co)-sulphide mineralization in southern Namaqualand and its relationship to the cupriferous Koperberg Suite of the Okiep Copper District, South Africa. *South African Journal of Geology* 1996; **99**(2): 153-168.

LE ROUX JP. Settling velocity of ellipsoidal grains as related to shape entropy. *Sedimentary Geology* 1996; **101**: 15-20.

ROZENDAAL A, MISIEWICZ JE, SCHEEPERS R. Hydrothermal alteration associated with sediment-hosted Rooiberg tin deposits, South Africa. A discussion. *Transactions of the Institute of Mining and Metallurgy Section B* 1996; **105**: 98-100.

### **Verrigtinge internasionaal/Proceedings international**

HALLBAUER DK. *Determination of rare earth elements and certain rare metals in small samples by capillary ion analysis*. V.M. Goldschmidt Conference, International Conference for the Advancement of Geochemistry. Heidelberg, Germany, 1996; *Journal of Conference Abstracts* 1996; **1**(1): 229.

HALLBAUER DK, ZAGORSKY VYE, SHMAKIN BM. *The bulk fluid compositions of inclusions in quartz from selected rare metal pegmatites in Siberia*. V.M. Goldschmidt Conference, International Conference for the Advancement of Geochemistry. Heidelberg, Germany, 1996; *Journal of Conference Abstracts* 1996; 1(1): 230.

### **Referate internationaal/Papers international**

DE MEIJER RJ, STAPEL C, JONES, DG, ROBERTS, PD, ROZENDAAL A, MACDONALD WG. *Radiometric methods in mineral exploration and processing*. Mineral Exploration '96. Surfers Paradise, Brisbane, Australia, 1996.

HALLBAUER DK, BALABAN A. *The ionic composition of fluid inclusions in quartz and pyrite from selected Romanian deposits*. 30th International Geological Congress. Beijing, China, 1996.

HALLBAUER DK, GILTNER SG. *Shock effects in quartz, pyrite and zircon grains after impingement of a hypervelocity jet on Witwatersrand conglomerate*. 30th International Geological Congress. Beijing, China, 1996.

HALLBAUER DK, VERWOERD WJ. *Ionic composition of carbonatite-related fluids - an application of capillary ion analysis (Capillary Electrophoresis)*. International Workshop on Economic Deposits Associated with Carbonatites. Amba Dongar, Gujarat (Kadipani), India, 1996.

PINEDA CA, HALLBAUER DK, SWART RT, JACOBSON L, PROZESKYA VM, PRZYBYLOWICZA WJ. *Geochemical microanalysis of patina layers on rock artifacts from the Central Karoo and Southern Free State, South Africa*. 5th International Conference on Nuclear Microprobe Technology and Applications. Santa Fe, New Mexico, USA, 1996.

ROZENDAAL A, SCHEEPERS R. *Zoned hydrothermal alteration at Rooiberg Tin: An exploration guide for endo-exo-granitic Sn-W mineralization in the Bushveld Complex, South Africa*. Mineral Exploration '96. Surfers Paradise, Brisbane, Australia, 1996.

SCHEEPERS R, SMIT CM, ROZENDAAL A. *Application of cathodoluminescence to skarn related W-Mo(REE) metallization*. International Conference on Cathodoluminescence and related techniques in geosciences and geomaterials. Nancy, France, 1996.

SCHERER T, HAFNER SS, HALLBAUER DK, SHAVRANOVSKII GI, SUKHARZHEEVSKIJ SM, TENNANT WC. *Defects in natural diamonds depending on geological environment*. 30th International Geological Congress, Beijing, China, 1996.

### **Referate nasionaal/Papers national**

PINEDA CA, HALLBAUER DK, SWART RT, JACOBSON L, PROZESKYA VM, PRZYBYLOWICZA WJ. *Nuclear microprobe analysis of patina layers on rock artifacts from South Africa*. 35th Annual Conference of the Microscopy Society of Southern Africa. University of Natal, Durban, 1996.

ROZENDAAL A, SCHEEPERS R. *Hydrothermal alteration associated with Rooiberg Tin deposits*. Mineralization of the acid phase of the Bushveld Complex, Geological Society of South Africa. Pretoria, 1996.



## **Magister afgehandel/Master's completed**

MACDONALD WG. *The Geelwal Karoo heavy mineral deposit: a modern day beach placer*. M.Sc., 1996. 210 pp. Studieleier: Prof A Rozendaal.

## **Projekte afgehandel/Projects completed**

GERISCHER GFR, CRAFFORD J, HALLBAUER DK. *The ionic composition of paper mill sludge filtrates and their possible environmental impact*.

HALLBAUER DK, BALABAN A. *The composition of fluid inclusions in quartz and sulphides from the Baia Sprie ore deposit, Romania, from capillary ion analysis*.

HALLBAUER DK, SNYDERS V. *Geochemical investigation of some samples from the Chambishi Basin, Chingola, Zambia*.

ROZENDAAL A, SCHEEPERS R. *Skarn related mineralization in the northern Cape Province*.

## **Projekte lopend/Projects current**

BARNARD CA. *The processes and factors controlling the air filtration by improved activated carbon and its application in environmental geochemistry*.  
Doktorale promotor: Prof DK Hallbauer.

BRUWER L. *Geology of the Cuyperskraal Tin deposit, Western Cape*.  
Magister studieleier: Prof A Rozendaal.

COUSIN LE. *Mineralogy and petrochemistry of skarn types in the Riviera W-Mo(Cu) deposit*. Magister studieleier: Dr R Scheepers.

DAVIES CPN. *Biomarker correlation in the Bredasdorp Basin*. Doktorale promotor: Prof A Rozendaal.

ELFERINK L. *Paleo heavy mineral placers near Geelwal Karoo*: Magister studieleier: Prof A Rozendaal.

FREYER EE. *The structure and metamorphism of the lower Ugab River Area*. Magister studieleier: Prof IW Hälbich.

FUCHS H, GÖTZE J, HALLBAUER DK. *The analysis of fluid inclusions in agate by capillary electrophoresis and its genetic implications*..

GROBLER L. *Stratigrafie en struktuur van Beaufort Groep in Moordenaarskaroo*. Magister studieleier: Dr JP le Roux.

HALLBAUER DK, GÖTZE J. *The composition of fluid inclusions in pegmatite quartz from Namibian and Swedish deposits*..

HALLBAUER DK, VERWOERD WJ. *Water-rock interaction and the composition of fluids in minerals from carbonatite related environments*..

HALLBAUER DK, VOICU G. *The analysis of fluid inclusions in minerals from the Omai gold deposit, Guyana, by capillary ion analysis*..

HATTING RP. *Environmental impact study in the vicinity of a Ti-smelter.*  
Magister studieleier: Dr R Scheepers.

LAMPRECHT DF. *A vertical transition from carbonates to iron formation in the Griqualand West Sequence from Finsch Mine.* Magister studieleier: Prof IW Hälbich.

MARAIS C. *Geometry of the Nababeep Mine Complex, Namaqualand, South Africa.* Magister studieleier: Prof A Rozendaal.

MARTIN R. *A comparative study of the ionic composition of fluid inclusions in quartz.* Magister studieleier: Prof DK Hallbauer.

MOUTON E. *Sedimentologie van Baken, Richtersveld.* Magister studieleier: Dr JP le Roux.

O'BRIEN RD. *The geochemistry and hydrothermal alteration of the Malmesbury sediments associated with the Riviera tungsten deposit.*  
Magister studieleier: Prof DK Hallbauer.

PETH S. *A hydrogeological evaluation of ground and thermal water in fractured rock aquifers along dykes and lineaments in the central Karoo and the geochemical modelling of rock water interaction using trace elements and isotopes.* Magister studieleier: Dr GJ Greeff.

PHILANDER C. *Heavy mineral distribution in the Koingnaas-Kleinsee area, Namaqualand, South Africa.* Magister studieleier: Prof A Rozendaal.

RIES W. *The Nigramoep orebody.* Magister studieleier: Dr R Scheepers.

ROUSSEAU PDS. *PIXE analysis of single fly-ash particles with application to environmental geochemistry.* Magister studieleier: Dr R Scheepers.

SCHEEPERS DJ. *Metallogeny of the Saldania Belt.* Doktorale promotor: Prof A Rozendaal.

SMIT CM. *Kwartsare verwant aan die Riviera W-Mo(Cu) afsetting.* Magister studieleier: Dr R Scheepers.

VAN DER MERWE JJ. *Faktore wat korrelgroottebepalings met die sedigraph beïnvloed.* Magister studieleier: Dr JP le Roux.

WESSELS C. *Petrology and mineralogy of the Riviera W-Mo(Cu) deposit.*  
Magister studieleier: Dr R Scheepers.

## **huishoudkunde / home economics**

### **Tydskrifartikels/Journal articles**

VISSER EM, DU PREEZ R. Profiling the mature female apparel shopper. *Journal of Dietetics and Home Economics* 1996; **24**(1): 12-19.

VISSER EM, DU PREEZ R, DU TOIT JB. The mature female clothing shopper: Profiles and shopping behaviour. *Journal of Industrial Psychology* 1996; **22**(2): 1-6.

## Referate internasionaal/Papers international

BOTHA MJ. *Living conditions of families with a spina bifida child*. XVIIIe Internasionale Kongres van die Federasie vir Huishoudkunde. Bangkok, Thailand, 1996.

VAN WYK R. *Participatory programming, design and evaluation of housing: The role of home economics*. XVIIIe Internasionale Kongres van die Federasie vir Huishoudkunde. Bangkok, Thailand, 1996.

VAN WYK R. *'Quality of Life' - The Home Environment of families living in squatter-settlements in South Africa*. XVIIIe Internasionale Kongres van die Federasie vir Huishoudkunde. Bangkok, Thailand, 1996.

VISSER EM. *Profiling mature female clothing consumers*. XVIIIe Internasionale Kongres van die Federasie vir Huishoudkunde. Bangkok, Thailand, 1996.

VOSLOO MC. *Improving the living conditions of future families in South Africa by addressing individual and societal issues through the curriculum*. XVIIIe Internasionale Kongres van die Federasie vir Huishoudkunde. Bangkok, Thailand, 1996.

## Referate nasionaal/Papers national

VOSLOO MC. *Reflecting on the school environment and the role secondary school Home Economics curriculum can play in fostering health*. Nasionale kongres: Health promoting schools in South Africa: Challenges for the 21st century. Bellville, 1996.

## Projekte afgehandel/Projects completed

MOELICH EI, BOTHA EA, MULLER M, VAN WYK M. *Die sensoriese kwaliteitseienskappe van agt kommersiële pasta produkte soos bepaal deur 'n opgeleide laboratoriumpaneel. (The sensory quality characteristics of eight commercial pasta products as evaluated by a trained analytical panel.)*

MOELICH EI, BOTHA EA, MULLER M, VAN WYK M. *Die sensoriese kwaliteitseienskappe van twee tipes kommersiële kunsroom soos bepaal deur 'n opgeleide laboratoriumpaneel. (The sensory quality characteristics of two commercial desert toppings as evaluated by a trained laboratory panel.)*

MULLER M. *Die aanvaarbaarheid van twee prototipes kommersiële hoenderwors. (The acceptability of two proto-types of commercial chicken sausage.)*

MULLER M, MOELICH EI. *Die aanvaarbaarheid van ses kommersiële suiwer vrugte- en groentesappe. (The acceptability of six commercial pure fruit and vegetable juices.)*

VAN WYK AS, VAN DER MERWE ME. *Die ontwikkeling en evaluering van voedingsverwante oorbruggingsleesstof vir die opleiding van moeders van kleuters. (The development and evaluating of nutrition related bridging reading material for the education of neoliterate mothers of infants.)*

## Projekte lopend/Projects current

DE VILLIERS A. *The identification of contributing factors and the formulation of guidelines for the prevention of undernutrition in 1-2 year old children attending the Duncan Village Day Hospital in East London.* Magister studieleier: Dr M Senekal.

DE VILLIERS MW. *The effect of household detergents on the colourfastness of woven cotton and polyester/cotton fabrics used in everyday wear.* Magister studieleier: Mev AE Knye.

DU TOIT SJM. *Die ontwikkeling van 'n entrepreneurskapsmodule vir toepassing in voorgraadse Huishoudkunde-kursusse. (Development of an entrepreneurship module for home economics courses at graduate level.)* Magister studieleier: Mev R Ottermann.

KEYTER MC. *Guidelines for the development of a broad curriculum for nutrition education in the formal education system of Namibia.* Doktorale promotor: Prof EM Visser.

KLEINHANS EH. *Identification of clothing needs and problems regarding outerwear for a selected group of pregnant women in Pretoria with the aim to develop a style range for the clothing industry.* Magister studieleier: Prof EM Visser.

KOCH A. *Marketing and product success criteria: The perception of consumers of a supermarket chain store regarding selected benefits.* Magister studieleier: Dr MC Vosloo.

KNYE AE, OTTERMANN R, ALBERTS B. *Gender roles in farm worker households.*

KRIGE MU. *Identification of factors influencing the nutritional status of 1-2 year old children in semi-urban areas, and the formulation of guidelines for suitable intervention programmes.* Magister studieleier: Dr M Senekal.

LODDER S. *The effect of household bleaches in home laundering on cotton, with and without a specific known OBA treatment, at different pH and concentration levels.* Magister studieleier: Mev AE Knye.

MBATI-MWAKA M. *Determinants of anaemia amongst rural pregnant Kenyan women for the development of an intervention model.* Doktorale promotor: Dr M Senekal.

MHANGO MW. *A model for reconceptualising Home Economics at Junior Certificate level in Botswana.* Doktorale promotor: Prof EM Visser.

MOELICH EI. *Sensory and objective characteristics of selected pork cuts in three Halothane genotypes.* Magister studieleier: Me EA Botha.

PEDRO DD. *Die identifisering van leerstrategieë van 'n geselekteerde groep huishoudkundefoelers in die Wes-Kaap. (The identification of learning strategies of a selected group of students in the Western Cape.)* Magister studieleier: Prof EM Visser.

RAATH AS. *Die verband tussen behuisingsomstandighede en skoolastiese prestasie van standerd 6 en 7 leerlinge woonagtig in die Knysna, Plettenbergbaai en George gebied. (The relationship between scholastic achievement and housing environment of standard 6 & 7 pupils in the*

Knysna, Plettenbergbay and George area.) Magister studieleier: Prof AS van Wyk.

SENEKAL M, STEYN NP. *Development of a health screening questionnaire.*

SERFONTEIN M. *A multi-disciplinary strategy for housing education at primary and secondary level in South African schools.* Magister studieleier: Prof AS van Wyk.

STEYN NP, SENEKAL M. *The health and weight status of female students at the University of the North.*

VAN WYK AS. *A national multi-disciplinary formal and non-formal housing education strategy and programme for South Africa.*

VILJOEN DL. *Computerised electronic temperature control in electric ovens and its effect on the quality of baked products in food research.* Magister studieleier: Me M Muller.

VILJOEN L. *Household and individual clothing expenditures: A review of research and related literature.*

WESTDYK BH. *The evaluation of a product for nutritional supplementation in a malnutrition intervention programme.* Magister studieleier: Dr MC Vosloo.

## **mens- en dierfisiologie / human and animal physiology**

### **Tydskrifartikels/Journal articles**

KING PR, COETZER WA. Effect of oxytocin treatment during oestrus on the ovulation rate of Merino ewes. *Journal of the South African Veterinary Association* 1996; **67**(1): 42.

VAN NIEKERK FE, CLOETE SWP, HEINE EWP, VAN DER MERWE GD, WELLINGTON A, DU PLESSIS SS, BEKKER D. The effect of selenium supplementation during the early post-mating period on embryonic survival in sheep. *Journal of the South African Veterinary Association* 1996; **67**(4): 209-213.

### **Verrigtinge internasionaal/Proceedings international**

BARRY DM, MPOYO KR. *Estrogenic control of the dominant follicle in multi-ovulation in goats and cattle for embryo production.* All Africa Conference on Animal Agriculture. Pretoria, South Africa, 1996: 9.5.

PODZUWEIT T, VAN ROOYEN J, BINZ K, THOMAS S, OPIE LH. *Mechanisms of cAMP increase in the ischaemic rat heart. 2. Inhibition of PDE's.* *Journal of Molecular and Cellular Cardiology* 1996; **28**(5): A75.

PODZUWEIT T, VAN ROOYEN J, THOMAS S, MÜLLER A, OPIE LH. *Mechanisms of cAMP increase in the ischemic rat heart. Adenylyl cyclase vs phosphodiesterase.* *Circulation* 1996; **94**(8): T727.

PODZUWEIT T, VAN ROOYEN J, THOMAS S, OPIE LH. *Mechanisms of cAMP increase in the ischaemic rat heart. 1. Activation of adenylyl cyclase.* Journal of Molecular and Cellular Cardiology 1996; **28**(5): A75.

### Verrigtinge nasionaal/Proceedings national

BURGER B. *The role of the purine adenylylate cycle in human sperm.* Proceedings of the Physiology Society of Southern Africa. Cape Town, 1996: PP1.

DU PLESSIS SS, COETZER WA, VAN NIEKERK FE. *Copper deficiency: The levels of influence on reproduction.* Proceedings of the Physiology Society of Southern Africa. Cape Town, 1996: P22.

ESTERHUYSE AJ, HUGO VI, DU PLESSIS D. *Biological evaluation of a naphtha [2,3-C] pyranquinone.* Proceedings of the Physiology Society of Southern Africa. Cape Town, 1996: PP17.

PRETORIUS WS, COETZER WA, BARRY DM, VAN ECK L. *Premature luteal regression in the superovulated ewe: A pilot study.* Proceedings of the Physiology Society of Southern Africa. Cape Town, 1996: PP3.

STRAUSS JAdeW, BEKKER D, SEGADAVAN A, VAN RIJSWIJK AW. *Exercise physiological properties of female athletes: How do they compare to their sedentary counterparts?* Proceedings of the Physiology Society of Southern Africa. Cape Town, 1996: OP43.

STRAUSS JAdeW, BEKKER D, VAN RIJSWIJK AW. *The aerobic capacity and related blood parameters of female athletes.* Proceedings of the South African Federation for Movement and Leisure. Bloemfontein, 1996: 55.

VAN RIJSWIJK AW. *"Le Paradoxe Francais" revisited.* Proceedings of the Physiology Society of Southern Africa. Cape Town, 1996: PP20.

VAN ROOYEN J, PODZUWEIT T, THOMAS S, MÜLLER A, OPIE LH. *cAMP linked ischaemic contracture: Role of glucose.* 20th Biennial Congress of the Southern Africa Cardiac Society. Wild Coast Sun, 1996: 176; *Cardiovascular Journal of Southern Africa* 1996; **86**(Supplement 6): 13.

### Magister afgehandel/Master's completed

ESTERHUYSE AJ. *The effect of some aromatic compounds on the physiology of the rat and certain microorganisms.* M.Sc., 1996. 123 pp. Studieleier: Mnr D du Plessis.

JORDAAN JHW. *Die proses van luteolise in gesuperovuleerde beeste en sommige faktore wat dit beïnvloed.* M.Sc.Agric., 1996. 142 pp. Studieleier/medestudieleier: Dr DM Barry/prof WA Coetzer.

LAMBRECHTS H. *The effect of cryopreservation on the survivability, viability and motility of Merino and African buffalo spermatozoa.* M.Sc., 1996. 184 pp. Studieleier/medestudieleier: Dr FE van Niekerk/prof WA Coetzer.

OELOFSE A. *Lipid and lipoprotein profile of the black population of the Cape Peninsula.* M.Sc., 1996. 135 pp. Studieleier: Prof JC Morgenthal.

## Projekte lopend/Projects current

BARRY DM. *A physiological study on the degeneration of ruminant embryos in vivo and the survival of the embryo in vitro.* Doktorale promotor: Prof JC Morgenthal.

BARRY DM. *Studies op die kolleksie, oorplasing, bevriësing en mikromanipulasie van die embrio by plaasdiere. (Studies on the collection, transfer, cryopreservation and manipulation of the embryo in farm animals.)*

COETZER WA. *Beheer van estrus en konsepsie binne en buite die teelseisoen by plaasdiere. (Control of oestrus and conception in- and outside the breeding season in farm animals.)*

HERSELMAN MJ. *Investigation of the physiological basis of hardiness in small ruminants.* Doktorale studieleier: Prof JC Morgenthal.

KLOPPERS Z. *Die effek van verskillende Gossypium spesies (katoen) op die histologie van spesifieke weefsel. (The effect of different Gossypium species (cotton) on the histology of specific tissue.)* Magister studieleier: Mnr D du Plessis.

KOTZE DJ. *In vitro fertilization of bovine oocytes.* Magister studieleier: Dr DM Barry.

MEINTJES JE. *Die produksie van herkouer- en perde-embrio's met in vitro en gameetinplantingstegnieke in die fallopiese buis. (The production of ruminant and equine embryos through in vitro and gamete implant techniques in the fallopian tube.)* Magister studieleier: Dr DM Barry.

MORGENTHAL JC. *Die eierstok van die merrie. (The ovary of the mare.)*

MORGENTHAL JC. *Die invloed van Salsola tuberculatiformis op verskillende aspekte van die fisiologie van die skaapooi. (The influence of Salsola tuberculatiformis on different physiological parameters in the ewe.)*

MPOYO KR. *Superovulation in goats and cattle.* Magister studieleier: Dr DM Barry.

PRETORIUS WS. *An alternative approach to subfunctional corpora lutea in the superovulated sheep ewe.* Magister studieleier: Dr DM Barry.

SCHOOMBEE CJA. *The Damara sheep: An appraisal of its reproductive performance and potential.* Doktorale promotor: Prof WA Coetzer.

SEGADAVAN A. *Ischaemic contracture causes reperfusion arrhythmias.* Magister studieleier: Dr J van Rooyen.

STANDER R. *Die invloed van omgewingstres op die voorkoms van premenstruele sindroom (PMS) by vrouens tussen die ouderdom van 20 en 25 jaar. (The influence of environmental stress on the occurrence of premenstrual syndrome (PMS) in women between the ages of 20 and 25 years.)* Magister studieleier: Dr FE van Niekerk.

STRAUSS JAdeW. *Faktore wat die prestasie van vroue atlete beïnvloed. (Factors that influence the performance of women athletes.)* Doktorale promotor: Dr J van Rooyen.

SWART JJ. *Geslagtelike manipulasie in die reënboog forel. (Sexual manipulation in the rainbow trout.)* Magister studieleier: Prof JC Morgenthal.

TICHELAAR HY. *The effect of N-3 fatty acids supplementation on growth in low birthweight infants.* Doktorale promotor: Prof JC Morgenthal.

VAN NIEKERK FE. *Bepaling van mineraalkonsentrasies in die bloed van perde vir diagnostiese doeleindes. (Determination of mineral levels in the blood of horses for diagnostic purposes.)*

VAN NIEKERK FE. *Die verwantskap tussen voeding en die voorkoms van beenprobleme by renperde. (The relationship between nutrition and the occurrence of leg abnormalities in race horses.)*

VAN RENSBURG JP. *The development of an indirect method for the assesment of energy expenditure in the mining industry.* Doktorale promotor: Prof JC Morgenthal.

VAN ROOYEN J. *Studies op die iskemiese hart. (Studies on the ischaemic heart.)*

VAN ROOYEN J. *Voedingspatrone by plaasarbeiders. (Nutritional habits of farm workers.)*

## **rekenaarwetenskap / computer science**

### **Tydskrifartikels/Journal articles**

THERON H, CLOETE I. BEXA: A covering algorithm for learning propositional concept descriptions. *Machine Learning* 1996; **24**: 5-40.

ZURADA JM, CLOETE I, VAN DER POEL E. Generalized hopfield networks for associative memories with multi-valued stable states. *Neurocomputing* 1996; **13**(2-4): 135-149.

### **Verrigtinge internasionaal/Proceedings international**

BEREZNER SA, KRZESINSKI AE. *Route dependent circuit reservation.* Australian Telecommunication Networks and Applications Conference. Melbourne, Australia, 1996: 619-624.

BERRY LTM, BERZNER SA, KRZESINSKI AE. *Models of call queueing in multi-slot circuit-switched networks.* 4th International Conference on Telecommunications Systems. Nashville TN, USA, 1996: 48-53.

CLOETE I. *VL1ANN: An algorithm for fusion of rules and artificial neural networks.* Workshop on Foundations of Information/Decision Fusion: Applications to Engineering Problems. Washington DC, USA, 1996: 40-45.

ENGELBRECHT AP, CLOETE I. *A sensitivity analysis algorithm for pruning feedforward neural networks.* IEEE International Conference on Neural Networks (ICNN'96). Washington DC, USA, 1996: 1274-1278.

EWERT E, VAN DER WALT APJ. *Random context picture grammars.* AFL'96: 8th International Conference on Automata and Formal Languages. Salgo'tarja'n, Hungary, 1996: 47-48.



HAYTER J. *Teletraffic data visualization*. Australian Telecommunication Networks and Applications Conference. Melbourne, Australia, 1996: 261-266.

INGGS AM, KRZESINKSI AE. *Two queueing schemes for multi-service switched networks*. Australian Telecommunication Networks and Applications Conference. Melbourne, Australia, 1996: 267-272.

LUDIK J. *Intelligent hybrid decision support systems*. The Sixth International Conference on Information Processing Management of Uncertainty in Knowledge-Based Systems (IPMU'96). Granada, Spain, 1996; I: 307-312.

LUDIK J. *Towards intelligent hybrid decision support systems*. World Congress on Neural Networks (WCNN'96). San Diego, California, USA, 1996: 519-524.

LUDIK J, CLOETE I. *Bounds for hidden units of simple recurrent networks*. IEEE International Conference on Neural Networks (IEEE ICNN'96). Washington, USA, 1996: 323-328.

LUDIK J, STEIN DJ. *Neural modelling of cognitive disinhibition and neurotransmitter dysfunction in OCD*. International Conference on Artificial Neural Networks (ICANN '96). Bochum, Germany, 1996: 893-898.

VIKTOR HL, CLOETE I, BEYERS N. *Rules for diagnosis of tuberculosis using an artificial neural network*. 8th International Conference on Neural Networks and their Applications (NEURAP'95). Marseilles, France, 1996: 317-321.

## **Verrigtinge nasionaal/Proceedings national**

BEREZNER SA, KRZESINSKI AE. *Efficient call management in dynamic networks*. Regional International Teletraffic Seminar RITS'96. Durban, 1996: 86-92.

CLOETE I, VIKTOR HL. *Combining symbolic and sub-symbolic learning for extracting knowledge from data*. Teletraffic'96: Regional Teletraffic Systems Engineering Seminar. Durban, 1996: 477-482.

DE JAGER PC, LUDIK J, VAN DER MERWE JJN. *Human-computer interface for digital recording*. The 11th Annual Master's and Doctoral students in Computer Science Conference. Pretoria, 1996: 6 pp.

EWERT S, VAN DER WALT APJ. *Random context picture grammars*. 11th Annual Conference for Masters and PhD Students in Computer Science and Information Systems. Pretoria, 1996: 21 pp.

GELDENHUYS. *Efficient state exploration*. SAICSIT Conference Proceedings. Durban, 1996: 63-74.

HAYTER JA. *Teletraffic data visualization*. The 11th Annual Master's and Doctoral students in Computer Science Conference. Pretoria, 1996: 13 pp.

INGGS AM, KRZESINSKI AE. *Two queueing schemes for multi-service switched networks*. Regional International Teletraffic Seminar RITS'96. Durban, 1996: 356-359.

KRZESINSKI AE, DE WAAL JvL. *Two models of call admission control for multi-service switched networks*. Regional International Teletraffic Seminar RITS'96. Durban, 1996: 346-352.

LOUBSER J. *Device drivers - A comparison of different development*. The 11th Annual Master's and Doctoral students in Computer Science Conference. Pretoria, 1996: 6 pp.

PRINS WT, LUDIK J. *Intelligent hybrid decision support systems*. The 11th Annual Master's and Doctoral students in Computer Science Conference. Pretoria, 1996: 4 pp.

ROUX HN, DE VILLIERS PJA. *A validation model of the VMTP transport level protocol*. SAICSIT Conference Proceedings. Durban, 1996: 75-86.

STRYDOM HJ, LUDIK J. *A software tool based on neural networks for process visualization*. The 11th Annual Master's and Doctoral students in Computer Science Conference. Pretoria, 1996: 5 pp.

VAHED A, CLOETE I. *Modular neural network subroutines for knowledge extraction*. SAICSIT'96: Industry meets Academia, Annual Symposium of the South African Institute for Computer Scientists and Information Technologists. University of Natal, Pietermaritzburg, 1996: 300.

VAHED A, CLOETE I. *Modular neural network subroutines for knowledge extraction*. Teletraffic'96: Regional Teletraffic Systems Engineering Seminar. Durban, 1996: 469-476.

VIKTOR HL, CLOETE I. *Combining symbolic and sub-symbolic learning*. The 11th Annual Master's and Doctoral students in Computer Science Conference. Pretoria, 1996: 5 pp.

VIKTOR HL, CLOETE I. *A framework for executing multiple computationally intelligent programs using a computational network*. SAICSIT'96: Industry meets Academia, Annual Symposium of the South African Institute for Computer Scientists and Information Technologists. University of Natal, Pietermaritzburg, 1996: 89-94.

VIKTOR HL, CLOETE I, BEYERS N. *Extraction of rules for tuberculosis diagnosis using an artificial neural network*. HELINA'96, Second International Working Conference on Health Informatics in Africa. Johannesburg, 1996: 130.

WARREN G, BEREZNER SA, KRZESINSKI AE. *The stability of circuit switched networks via fluid limit analysis*. Regional International Teletraffic Seminar RITS'96. Durban, 1996: 208-212.

### **Magister afgehandel/Master's completed**

KEYSER WT. *Transaction management in distributed database management*. M.Sc., 1996. 174 pp. Studieleier: Mej HL Viktor.

STAVEN S. *Maximum entropy models of ATM networks*. M.Sc., 1996. 193 pp. Studieleier: Prof AE Krzesinski.

### **Projekte lopend/Projects current**

BENJAMIN DA. *Network management of signalling system No. 7*. Magister studieieier: Prof AE Krzesinski.

DE JAGER PC. *Intelligent adaptive user assistant for digital voice recording*. Magister studieieier: Dr J Ludik.

DE VILLIERS J. *Microkernel support for the oberon system*. Magister studieieier/medestudieieier: Prof AE Krzesinski/mnr PJA de Villiers.

DE VILLIERS PJA. *A validated microkernel*. Doktorale promotor: Dr G Holzmann.

DE WAAL JvL. *Circuit reservation in circuit-switched networks*. Magister studieieier: Prof AE Krzesinski.

DE WET MJdeV. *A development environment for reactive systems*. Magister studieieier/medestudieieier: Prof AE Krzesinski/mnr PJA de Villiers.

DIPPENAAR APJ. *Design and implementation of an automatic code generator*. Magister studieieier: Mnr R McD Dodds.

ENGELBRECHT AP. *Concept learning: Combining set covering with connectionist inductive learning*. Doktorale promotor: Prof I Cloete.

EWERT S. *Picture generation by formal grammars*. Doktorale promotor: Prof APJ van der Walt.

GELDENHUYS J. *An efficient reliable verification system*. Magister studieieier/medestudieieier: Prof AE Krzesinski/mnr PJA de Villiers.

HAVENGA I. *Performance monitoring of unix systems*. Magister studieieier: Prof AE Krzesinski.

HAYTER J. *A system for visualizing teletraffic data*. Magister studieieier: Prof AE Krzesinski.

LOUBSER J. *Device drivers: A comparison of different development strategies*. Magister studieieier: Mnr PJA de Villiers.

PRINS WT. *Recurrent and hybrid neural networks for process control*. Magister studieieier: Dr J Ludik.

RABE DJ. *Evaluation of HTML and java as authoring tools for a scientific CBT-program*. Magister studieieier: Dr EH Gouws.

STRYDOM J. *A generic on-line process control data visualization system using neural networks*. Magister studieieier: Dr J Ludik.

THERON PZ. *Automatic acquisition of lexical semantic relations for computational lexicons*. Doktorale promotor: Prof I Cloete.

VAHED A. *The generalization performance of artificial neural networks*. Doktorale promotor: Prof I Cloete.

VAN DER POEL E. *Generalized Hopfield neural networks*. Doktorale promotor: Prof I Cloete.

VAN WYK JJ. *Encoding conceptual dependency structures for machine translation*. Magister studieleier: Prof I Cloete.

VAN ZIJL L. *On succinct representations of regular languages*. Doktorale promotor: Prof APJ van der Walt.

VIKTOR HL. *A computational network for distributed learning and rule induction*. Doktorale promotor: Prof I Cloete.

WEBBER A. *The development of a real-time network system directed at limited resource environments*. Magister studieleier: Prof AE Krzesinski.

## soölogie / zoology

### Tydskrifartikels/Journal articles

ACKERMAN DJ, REINECKE AJ, ELS HJ. A scanning electron microscopic study of impala (*Aepyceros melampus*) sperm from the Kruger National Park. *Koedoe* 1996; **39**(2): 91-104.

ACKERMAN DJ, REINECKE AJ, ELS HJ. A transmission electron microscopic study of impala (*Aepyceros melampus*) sperm from the Kruger National Park. *Koedoe* 1996; **39**(2): 105-120.

COOPER WE, VAN WYK JH, MOUTON PleFN. Pheromonal detection and sex discrimination of conspecific substrate deposits by the rock-dwelling cordylid lizard, *Cordylus cordylus*. *Copeia* 1996: 839-845.

CORDES IG, MOUTON PleFN. The conservation status of the Saldanha-Langebaan lizard fauna. *Koedoe* 1996; **39**(1): 71-83.

CORDES IG, MOUTON PleFN, VAN WYK JH. Sexual dimorphism in two girdled lizard species, *Cordylus niger* and *Cordylus cordylus*. *South African Journal of Zoology* 1995; **30**: 187-196.

GEERTSEMA H, VAN DEN HEEVER JA. A new beetle, *Afrocupes firmae* Gen. et. Sp. Nov. (Permocopedidae) from the Late Palaeozoic Whitehill Formation of South Africa. *South African Journal of Science* 1996; **92**(10): 497-499.

KOK OB, NEL JAJ. The Kuiseb river as a linear oasis in the Namib desert. *African Journal of Ecology* 1996; **34**: 39-47.

MAIER W, VAN DEN HEEVER JA, DURAND F. New therapsid specimens and the origin of the secondary hard and soft palate of mammals. *Journal of Zoological Systematics and Evolutionary Research* 1996; **34**: 9-19.

OLIVER JE, REINECKE AJ, REINECKE SA. Verdedigingsekresies van die graanstinkluis, *Macciademus diplopterus* (Heteroptera: Lygaeidae). S.A. *Tydskrif vir Natuurwetenskap en Tegnologie* 1996; **15**(4): 172-174.

REINECKE AJ, REINECKE SA. The influence of heavy metals on the growth of the compost worm *Eisenia fetida* (Oligochaeta). *Pedobiologia* 1996; **40**: 439-448.

VAN DIJK DE. Anuran fauna of the Lesotho Highlands in the Khatse Dam catchment area and Jorodane River region. *Koedoe* 1996; **39**(2): 77-90.

VAN WYK JH, MOUTON PLEFN. The reproductive cycles of the oviparous lizards *Platysaurus capensis* and *P. guttatus*: Evidence supporting a viviparous-oviparous reversal in the Cordylidae. *Amphibia-Reptilia* 1996; **17**: 115-129.

### **Verrigtinge internasionaal/Proceedings international**

SOMERS MJ, NEL JAJ. *Otters as biological indicators of freshwater systems in South Africa: Project description and some preliminary results*. VIth International Otter Colloquium. Pietermaritzburg, 1993; *Habitat* 1995; **11**: 18-21.

### **Referate internasionaal/Papers international**

CHERRY MI, MIDGLEY J, JOHNSON SD. *Fluctuating asymmetry in *Disa uniflora* does not affect pollination by its sole pollinator, the butterfly *Aeropetes tulbaghia**. Sixth International Behavioural Ecology Congress. Canberra, Australia, 1996.

GEERTSEMA H, VAN DEN HEEVER JA. *A new beetle *Afrocupes firmae* (Permocupedidae Coleoptera) from the Upper Palaeozoic Whitehill Formation of South Africa*. 20ste Internasionale Entomologiese Kongres. Floraans, Italië, 1996.

NEL JAJ. *Social learning in canids: An ecological perspective*. Symposium of the Zoological Society of London, The Mammal Society and The Primate Society of Great Britain: Social learning among mammals. London, VK, 1996.

REINECKE AJ. *Soil organisms as indicators of environmental impacts*. XIIde Internasionale Colloquium oor Gronddierkunde. Dublin, Ierland, 1996.

REINECKE SA, REINECKE AJ, MABOETA MS. *Stimulating effects of low lead concentrations on growth and cocoon production of *Eisenia fetida* (Oligochaeta)*. XIIde Internasionale Colloquium oor Gronddierkunde. Dublin, Ierland, 1996.

VERMEULEN LA, REINECKE AJ. *Effects of the fungicide mancozeb (zinc-manganese ethylenebis dithiocarbamate) on the survival, body mass and behaviour of the earthworm *Eisenia fetida* (Oligochaeta)*. XIIde Internasionale Colloquium oor Gronddierkunde. Dublin, Ierland, 1996.

### **Referate nasionaal/Papers national**

CHERRY MI, MIDGLEY J, JOHNSON SD. *Fluctuating asymmetry in *Disa uniflora* does not affect pollination by its sole pollinator, the butterfly *Aeropetes tulbaghia**. Fifth Meeting on the Ethology Group of the Zoological Society of Southern Africa. Langebaan, 1996.

GEERTSEMA H, VAN DEN HEEVER JA. *A new beetle *Afrocupes firmae* (Permocupedidae) from the upper Permian Whitehill Formation of South Africa*. Negende Kongres van die Paleontologiese Vereniging van Suider Afrika. US, Stellenbosch, 1996.

MABOETA MS, REINECKE AJ. *The effects of lead on growth and reproduction of Eisenia fetida (Oligochaeta)*. Kongres van die Dierkundige Vereniging van Suidelike Afrika. Pretoria, 1996.

MOUTON PleFN, VAN WYK JH. *Ecophysiological character transformations and the reconstruction of the evolutionary history of cordylid lizards*. Kongres van die Dierkundige Vereniging van Suidelike Afrika. Pretoria, 1996.

ODENDAAL JP, REINECKE AJ. *The short term effects of high lead concentrations on terrestrial isopods*. Kongres van die Dierkundige Vereniging van Suidelike Afrika. Pretoria, 1996.

VAN WYK JH, MADERSON PFA. *Epidermal glands and the shedding cycle in the cordylid lizard, Cordylus giganteus (Sauria: Cordylidae)*. Symposium of Zoological Society of Southern Africa. Pretoria, 1996.

VAN WYK JH, MOUTON PleFN. *Seasonal reproductive cycles in cordylid lizards: Pattern and evolution*. Symposium of Zoological Society of Southern Africa. Pretoria, 1996.

VERMEULEN LA, REINECKE AJ. *Sublethal ecotoxicological effects of Mancozeb on the earthworm Eisenia fetida (Oligochaeta)*. Kongres van die Dierkundige Vereniging van Suidelike Afrika. Pretoria, 1996.

## Navorsingsverslae/Research reports

MOUTON PleFN. *Amphibians and Reptiles*. Lesotho Highlands Water Project - Final Report, Contract No. 1008, Baseline Biology Survey and Reserve Development Phase 1B. Afridev Consultants, 1996; **3**(Chapter 4): 109-115.

MOUTON PleFN. *Amphibians and Reptiles*. Lesotho Highlands Water Project - Final Report, Contract No 1008, Baseline Biology Survey and Reserve Development Phase 1B. Afridev Consultants, 1996; **6**(Chapter 4): 53-58.

NEL JAJ, AVENANT NL, PURVES MG. *Mammals*. Lesotho Highlands Water Project - Final Report, Contract No 1008, Baseline Biology Survey and Reserve Development, Phase 1B, Afridev Consultants, 1996; **3**(Chapter 1): 1-15.

NEL JAJ, AVENANT NL, PURVES MG. *Mammals*. Lesotho Highland Water Project - Final Report, Contract No 1008, Baseline Biology, Survey and Reserve Development, Phase 1B, Afridev Consultants, 1996; **5**(Chapter 3): 25-28.

## Magister afgehandel/Master's completed

KOEGELEMBERG FA. *Voortplantingsbiologie van Perionyx excavatus (Oligochaeta)*. M.Sc.Agric., 1996. 84 pp. Studieleier/medestudieleier: Prof AJ Reinecke/dr SA Reinecke.

SNYMAN RG. *The uptake and distribution of selected heavy metals in the freshwater crab Potamonautes perlatus (Milne Edwards), in the Eerste River, Western Cape*. M.Sc.Agric, 1996. 187 pp. Studieleier/medestudieleier: Prof JAJ Nel/prof AJ Reinecke.

## Projekte afgehandel/Projects completed

CHERRY MI, MIDGLEY J, JOHNSON SD. *Fluctuating asymmetry and pollination in the orchid Disa uniflora.*

## Projekte lopend/Projects current

AUCAMP E. *The conservation biology of the blue crane Anthropoides paradisea in the Overberg.* Magister studieleier: Prof AJ Reinecke.

CHERRY MI, KUIPER S, BENNETT ATD, CUTHILL E. *Brood parasitism in the Red-chested Cuckoo Cuculus solitarius.*

CHERRY MI, VARHOL R, HARLEY EH. *Molecular systematics of toads and tortoises..*

COUSIN T. *Resource utilization and social behaviour of the Cape grey mongoose Galerella pulverulenta.* Magister studieleier: Prof JAJ Nel.

ERASMUS BH. *Habitat attributes as correlates of rodent and insectivore distribution and community structure in the Northern Cape.* Doktorale promotor: Prof JAJ Nel.

EVANS FJ. *Palaeobiology of early Carboniferous fishes and comtemporary lacustrine biota of the Waaipoort Formation (Witteberg Group).* Magister studieleier: Dr JA van den Heever.

FLEMMING AF. *An analysis of the Agama atra complex (Sauria: Agamidae) in Namaqualand and southern Namibia.* Doktorale promotor: Dr PleFN Mouton.

HENDERSON CL, CHERRY MI. *Sexual selection in the Cape Sugarbird Promerops cater.*

MABOETA M. *The effects of lead on growth, reproduction and behaviour of three different earthworm species.* Magister studieleier: Prof AJ Reinecke.

MOUTON PleFN. *Ontspanningstrategieë in die akkedisfamilie, Cordylidae.*

MOUTON PleFN, VAN WYK JH. *Biologie en bewaringstatus van die akkedisfauna van die Kaapse Mooiberge.*

MOUTON PleFN, VAN WYK JH. *Evolusionêre geskiedenis van die akkedisfamilie, Cordylidae.*

NEL JAJ. *Bat-eared foxes (Otocyon meyalotis) as consumers of harvester termites.*

NEL JAJ. *Behavioural ecology of black-backed jackal Canis mesomelos in arid environments.*

NEL JAJ. *Behavioural ecology of rodents in arid environments.*

NEL JAJ. *Otters as bio-indication of freshwater ecosystems.*

ODENDAAL JP. *Die akkumulاسie van swaarmetale in die houtluis, Pocellio laevis en die effek daarvan op groei.* Magister studieleier: Prof AJ Reinecke.

- O'RYAN C, CHERRY MI, HARLEY EH, BRUFORD MN, BEAUMONT M. *Population genetics of buffalo using microsatellite DNA.*
- POLAKOW D, TELFORD SR, CHERRY MI, JARVIS JVM. *Communication in the barking gecko Ptenopus kochi.*
- REINECKE AJ, REINECKE SA. *Die biologie en ekologie van terrestriële Oligochaeta.*
- REINECKE AJ, REINECKE SA. *Die invloed van toksiese swaarmetale op terrestriële Oligochaeta.*
- REINECKE AJ, REINECKE SA, ACKERMAN DJ. *Die sperm-ultrastruktuur van groter soogdiere.*
- SACHSE B. *Reproduction, sexual dimorphism and mating structure in the lizard Pseudocordylus M. microlepidotus.* Magister studieleier/medestudieleier: Dr JH van Wyk/dr PleFN Mouton.
- SLABBERT JP. *Feeding strategies in two Permian herbivores.* Magister studieleier: Dr JA van den Heever.
- SOMERS MJ. *Habitat utilization and social organization of the Cape clawless otter (Aonyx capensis Schinz 1821) in freshwater ecosystems.* Doktorale promotor/medepromotor: Prof JAJ Nel/dr H Kruuk.
- STANDER MJ. *The molecular systematics and taxonomy of woodhoopoes.* Magister studieleier: Dr MI Cherry.
- VAN DEN HEEVER JA, HOPSON JA. *Therocephalia.*
- VAN DEN HEEVER JA, RUBIDGE BS. *The comparative and functional cranial anatomy of the Dinocephalia (Amniota) Therapsida.*
- VAN DER WORM JH. *The comparative cranial osteology of the South African Lacertilia (Reptilia: squamata).* Magister studieleier: Dr JA van den Heever.
- VAN NIEKERK CH. *Past and present climates: Owl pellet composition as an indicator of global climatic change.* Magister studieleier/medestudieleier: Prof JAJ Nel/dr M Avery.
- VAN WYK JH. *Endocrine disrupting environmental contaminants.*
- VAN WYK JH, MADERSON P, MOUTON PleFN. *Epidermale kliere in Suid-Afrikaanse gordelakkedis.*
- VAN WYK JH, MOUTON PleFN. *Voortplantingspatrone in Suid-Afrikaanse gordelakkedis.*
- VAN WYK JH, SPOTILA J. *Climatic changes: Physiological and ecological responses in small endemic lizard populations.*
- VERMEULEN LA. *The ecotoxicological effects of the fungicide Mancozeb on terrestrial oligochaetes.* Magister studieleier/medestudieleier: Prof AJ Reinecke/dr SA Reinecke.



WHITING M. *Evolution and function of sexual dichromatism in the lizard genus Platysaurus*. Doktorale Promotor/medepromotors: Dr JH van Wyk/prof WE Cooper en dr PleFN Mouton.

WILLIAMS IB. *Die invloed van biomassa en digtheid op die vermikomposterinskoers van terrestriële Oligochaeta*. Magister studieleier/medestudieleier: Prof AJ Reinecke/dr SA Reinecke.

WRIGHT K. *The biology and conservation status of cordylid lizards in the Hottentotsholland mountains*. Magister studieleier/medestudieleier: Dr PleFN Mouton/dr JH van Wyk.

## wiskunde / mathematics

### Tydskrifartikels/Journal articles

CHUI CK, DE VILLIERS JM. Applications of optimally local interpolation to interpolatory approximants and compactly supported wavelets. *Mathematics of Computation* 1996; **65**: 99-114.

DASCALESCU S, VAN WYK L. Do isomorphic structural matrix rings have isomorphic graphs? *Proceedings of the American Mathematical Society* 1996; **124**: 1385-1391.

GREEN BW. On curves over valuation rings and morphisms to  $P^1$ . *Journal of Number Theory* 1996; **59**: 262-290.

GREEN BW. The relative genus inequality for curves over valuation rings. *Journal of Algebra* 1996; **181**: 836-856.

MARITZ P. Pawlak and Topological Rough sets in terms of multifunctions. *Glasnik Matematički* 1996; **31**(51): 159-178.

MEYER JH, VAN WYK L. Matrix rings of invariant subspaces, II. *Chinese Journal of Mathematics* 1996; **24**: 251-264.

VAN ROOYEN GWS. A note on n-strongly (0-minimal) minimal quasi-ideals in (semigroups with 0) rings. *Publicationes Mathematicae Debrecen* 1996; **49**(3-4): 225-229.

VAN WYK L. On a characterization of complete matrix rings. *Periodica Mathematica Hungarica* 1996; **32**: 237-239.

VAN WYK L. The comatched near-ring determined by a commutative principal ideal ring. *Proceedings of the Royal Irish Academy Section A - Mathematical and Physical Sciences* 1995; **95**: 117-135.

VAN WYK L. Matrix rings satisfying column sum conditions versus structural matrix rings. *Linear Algebra and its Applications* 1996; **249**: 15-28.

VON BACKSTRÖM TW, BUYS JD, STINNES WH. Minimization of the exit loss of a rotor-only axial fan. *Engineering Optimization* 1996; **26**: 25-33.

### Verrigtinge internasionaal/Proceedings international

MARITZ P. *Coupling of sets and the range of a measure*. Summer School on Real Functions Theory. Liptovsky Ján, Slovakia, 1996: 47.

ROHWER CH. *Lulu-structures and the removal of impulsive noise*. Third International Congress on Industrial and Applied Mathematics Lectures and Contributions. Akademie Verlag, Berlin, 1996.

### **Referate internasionaal/Papers international**

DE VILLIERS JM. *Spline wavelets with arbitrary knots on a bounded interval*. Third International Conference on Curves and Surfaces. Chamonix Mont Blanc, Frankryk, 1996.

EWERT S, VAN DER WALT APJ. *Random context picture grammars*. 8th International Conference on Automata and Formal Languages. Salgótarján, Hongarye, 1996.

GREEN BW. *Automorphisms of formal power series rings and Oort's conjecture on Galois liftings of smooth curves*. London Mathematical Society Symposium on the Model Theory of Fields. Durham, 1996.

ROHWER CH. *One-sided quadratic spline approximation*. Third International Conference on Functional Analysis and Approximation Theory. Aquafredda de Maratea, 1996.

VAN WYK L. *On a characterization of matrix rings*. Ring Theory Conference. Miskolc, Hongarye, 1996.

### **Referate nasionaal/Papers national**

DE VILLIERS JM. *Local spline interpolation by means of additional knots*. 39ste Jaarkongres van die SAWV. UWK, Bellville, 1996.

EWERT S, VAN DER WALT APJ. *Generating pictures with random context*. 39ste Jaarkongres van die SAWV. UWK, Bellville, 1996.

GREEN BW. *Contributions to the arithmetic of fields invited plenary talk*. 39ste Jaarkongres van die SAWV. UWK, Bellville, 1996.

MOUTON S. *The Krein-Rutman theorem in ordered Banach algebras*. 39ste Jaarkongres van die SAWV. UWK, Bellville, 1996.

SMITH KC, VAN WYK L. *Solution of the  $J_2$ -radical Problem in structural matrix near-rings*. 39ste Jaarkongres van die SAWV. UWK, Bellville, 1996

### **Navorsingsverslae/Research reports**

FOUCHÉ WL, POTGIETER PH. *Kolmogorov complexity and symmetric relational structures*. UP Tegiese Verslag UPWT 96/8, 1996. 19 pp.

### **Doktoraal afgehandel/Doctoral completed**

DE SWARDT SA. *Nodal spline error analysis and applications in quadrature*. Ph.D., 1996. 118 pp. Promotor: Prof JM de Villiers.

## Magister afgehandel/Master's completed

BOUCKAERT HJM. *Die verdelingsoordrag van nie-lineêre gladstrykers*. M.Comm., 1996. 78 pp. Studieleier: Dr CH Rohwer.

## Projekte lopend/Projects current

BRINK HE. *Integrasie van multifunksies*. Doktorale promotor: Prof P Maritz.

CHUI CK, DE VILLIERS JM. *Latfunksie golfies. (Spline wavelets.)*

CONRADIE GF. *Tiled matrix rings*. Doktorale promotor: Prof L van Wyk.

DE VILLIERS JM, ROHWER CH. *Agtervolgingstrajekte. (Curves of pursuit.)*

DE VILLIERS JM, ROHWER CH. *Golfies en trajekanalise (saam met Overberg Toetsterrein.)*

EWERT S. *Prentgenerering met formele tale. (Picture generation with formal languages.)* Doktorale promotor: Prof APJ van der Walt.

FREY G, GREEN BW. *Arithmetic of curves and applications to coding theory*.

GREEN BW, MATIGNON M, POP F. *Fundamental groups of curves*.

GREEN BW, POP F, ROQUETTE P. *Curves over valuation rings and the Skolem Property*.

GROENEWALD NJ, VAN WYK L. *Good ideals in various classes of matrix rings*.

MEYER JH, VAN WYK L. *Matrix rings of invariant subspaces*.

ROHWER CH. *Inlyn balkvibrasies*.

ROHWER CH, KRIEK G. *Die ontwerp van nokasse*.

VAN DER WALT APJ. *Prentgenerering met ongeordende konteks. (Picture generation with random context.)*

VAN ZIJL L. *Veralgemeende nie-determinisme by eindige outomate. (Generalized nondeterminism in finite automata.)* Doktorale promotor: Prof APJ van der Walt.

## instituut vir polimeerwetenskap / institute for polymer science

## Tydskrifartikels/Journal articles

BESSARABOV DG, JACOBS EP, SANDERSON RD, BECKMAN IN. Use of nonporous polymeric flat-sheet gas-separation membranes in a membrane-liquid contactor: experimental studies. *Journal of Membrane Science* 1996; **113**: 275-284.

BESSARABOV DG, SANDERSON RD. Advances in separation of olefins from paraffins:  $\pi$ -bond complexation approach. *Chemical Technology* 1996; **July/August**: 7-10.

CHIKAWAGA J, JACOBS EP, HURNDALL MJ, SANDERSON RD. The preparation of hollow-fibre gas-separation membranes. *SA Journal of Chemical Engineering* 1996; **8**(1): 31-48.

JACOBS EP, LEUKES WD. Formation of externally unskinned polysulphone capillary membrane. *Journal of Membrane Science* 1996; **121**: 149-157.

MAARTENS A, SWART P, JACOBS EP. Characterisation of techniques for organic foulants adsorbed onto flat-sheet UF membranes used in abattoir effluent. *Journal of Membrane Science* 1996; **119**: 1-8.

MAARTENS A, SWART P, JACOBS EP. An enzymatic approach to the cleaning of ultrafiltration membranes fouled in abattoir effluent. *Journal of Membrane Science* 1996; **119**: 9-16.

SCHNEIDER M, SWART JPJ, SANDERSON RD. Biological variation in the degree of polymerisation of cotton lint cellulose produced in South Africa. Part I. Basic methods and alternative treatment of data. *Textile Research Journal* 1996; **66**(6): 397-400.

SCHNEIDER M, SWART JPJ, SANDERSON RD. Biological variation in the degree of polymerisation of cotton lint cellulose produced in South Africa. Part II. Comparing Acala 1517/70 of the Middle Transvaal and Northern Cape. *Textile Research Journal* 1996; **66**(7): 428-435.

## **Verrigtinge internasionaal/Proceedings international**

BESSARABOV DG, SANDERSON RD. *Separation of liquid olefin/paraffin mixtures by means of a hybrid facilitated pervaporation membrane system*. Proceedings ICOM'96, The 1996 International Congress on Membranes and Membrane Processes. Yokohama, Japan, 1996: 1084-1085.

BESSARABOV DG, SANDERSON RD, JACOBS EP. *Use of membrane contactors with nonporous membranes for improved gas and liquid separations*. Proceedings NAMS '96, 8th Annual Meeting of the North American Membrane Society. Ottawa, Ontario, Canada, 1996: 81-82.

EDWARDS W, BOSHOF A, LEUKES WD, JACOBS EP, SANDERSON RD, SAAYMAN HM, BURTON SG, ROSE PD. *Continuous treatment of phenol-polluted waters in a novel capillary membrane bioreactor*. Proceedings ICOM'96, The 1996 International Congress on Membranes and Membrane Processes. Yokohama, Japan, 1996: 1002-1003.

JACOBS EP, BOTES JP, BRADSHAW S, SAAYMAN HM. *Membrane filtration in potable-water production*. Proceedings ICOM'96, The 1996 International Congress on Membranes and Membrane Processes. Yokohama, Japan, 1996: 1054-1055.

JACOBS EP, BOTES JP, BURTON SG, LEUKES WD, EDWARDS W, SAAYMAN HM. *Novel capillary membranes for wastewater remediation or potable water production*. Proceedings XIV National Symposium on

Membranes in Chemical and Biochemical Industries, Indian Institute of Technologies. Delhi, India, 1996.

JACOBS EP, PILLAY VL, BRADSHAW S, BOTES JP. *New low-pressure UF membranes in aqueous applications*. Proceedings IMSTEC'96, International Membrane Science and Technology Conference. Sydney, Australia, 1996; **1**: I.7.

LEUKES WD, JACOBS EP, SAAYMAN HM, SANDERSON RD, BURTON SG, ROSE PD. *Continuous production of lignin peroxidase by Phanerochaete chrysosporium in a capillary membrane bioreactor for the degradation of aromatic pollutants*. Proceedings ICOM'96, The 1996 International Congress on Membranes and Membrane Processes. Yokohama, Japan, 1996: 994-995.

MAARTENS A, SWART P, JACOBS EP. *Characterisation and enzymatic cleaning of ultrafiltration membranes fouled during the treatment of biological waste waters*. Proceedings IMSTEC'96, International Membrane Science and Technology Conference. Sydney, Australia, 1996; **1**: H.9.

OFFRINGA G, JACOBS EP, BURTON SG. *New ultrafiltration capillary membranes for use in potable water production and wastewater bioremediation*. Proceedings Emerging Technologies VII. Antwerp, Belgium, 1996: SA-1 - SA-2.

OFFRINGA G, SANDERSON RD. *Rescue pack for the supply of potable water under emergency conditions*. Proceedings Emerging Technologies VII. Antwerp, Belgium, 1996: SA-3 - SA-4.

OFFRINGA G, SMIT JJ, SANDERSON RD. *The active transport of cations into supported liquid membrane capsules*. Proceedings Emerging Technologies VII. Antwerp, Belgium, 1996: SA-9 - SA-10.

SANDERSON RD, DU TOIT FJ. *Polyolefin surface reactions and characterisation of the products therefrom*. Proceedings 36th IUPAC International Symposium on Macromolecules. Seoul, Korea, 1996: 66.

SANDERSON RD, SMITH SPJ. *Preparation of hollow-fibre composite carbon-zeolite membranes*. Proceedings ICOM'96, The 1996 International Congress on Membranes and Membrane Processes. Yokohama, Japan, 1996: 446-447.

SMITH SPJ, JACOBS EP, SANDERSON RD. *Preparation of composite polysulphone-zeolite membranes*. Proceedings IMSTEC'96, International Membrane Science and Technology Conference. Sydney, Australia, 1996; **2**: PI.1.

VAN REENEN AJ, BARKHUYSEN L, SANDERSON RD, BREDEKAMP MW. *Carbon monoxide- $\alpha$ -olefin copolymers*. Proceedings 36th IUPAC International Symposium on Macromolecules. Seoul, Korea, 1996: 641.

VOROBIEV AV, VALUEV VV, CHIZHANOV SA, BESSARABOV DG, SANDERSON RD, TIMASHEV SF. *Facilitated transport of carbon dioxide in structurally modified perfluorosulfonated ionomer membranes*. Proceedings ICOM'96, The 1996 International Congress on Membranes and Membrane Processes. Yokohama, Japan, 1996: 330-331.

## Verrigtinge nasionaal/Proceedings national

BARKHUYSEN L, SIPHUMA L, VAN REENEN AJ, BREDEKAMP MW. *1-Pentene and 1-hexene/ethylene/carbon monoxide alternating terpolymers. Composition and properties.* Proceedings of the Macromolecule Society of South Africa. Stellenbosch, 1996.

BESSARABOV DG, SANDERSON RD, TIMASHEV SF. *Electro-induced facilitated transport of olefins in membranes: A new concept.* Proceedings of the Macromolecule Society of South Africa. Stellenbosch, 1996.

BREDEKAMP MW, TRUTER WH, SANDERSON RD. *Cobalt complexes of chiral glyoximes.* Proceedings of the Macromolecule Society of South Africa. Stellenbosch, 1996.

BROUCKAERT CJ, BUCKLEY CA, JACOBS EP. *Common pitfalls in the design and operation of membrane plants - or how I should have done it!* The Water Institute of Southern Africa Biennial Conference and Exhibition. Port Elizabeth, 1996; 1: 19.

DE WET-ROOS D. *The influence of kinetics on the morphology of a model can-coating system.* Proceedings of the Macromolecule Society of South Africa. Stellenbosch, 1996.

JACOBS EP, BOTES JP, SAAYMAN HM, BRADSHAW SM, SANDERSON RD. *Crossflow ultrafiltration: A single-step approach to small and medium-scale rural watercare.* The Water Institute of Southern Africa Biennial Conference and Exhibition. Port Elizabeth, 1996; 1: 16.

LEUKES WD, JACOBS EP, BURTON SG, EDWARDS W, SANDERSON RD, ROSE PD. *Continuous production of lignin peroxidase by Phanerochaete chrysosporium in a capillary membrane bioreactor for the degradation of aromatic pollutants.* The Water Institute of Southern Africa Biennial Conference and Exhibition. Port Elizabeth, 1996; 1: 18.

MORKEL CE, SANDERSON RD. *CA membrane regeneration.* Proceedings of the Macromolecule Society of South Africa. Stellenbosch, 1996.

SMITH SPJ, VAN RENSBURG S, JACOBS EP, SANDERSON RD, LORENZEN L, ALDRICH C. *An investigation of the effects of polymerisation conditions of PAN on the properties of hollow fibre carbon membranes by means of statistically designed experiments.* Proceedings of the Macromolecule Society of South Africa. Stellenbosch, 1996.

VAN REENEN AJ, BARKHUYSEN L. *Co-polymers of 1-pentene and ethylene with carbon monoxide: Composition and properties.* Proceedings of the Macromolecule Society of South Africa. Stellenbosch, 1996.

VAN REENEN AJ, SANDERSON RD, GRANT M. *3-Methyl-1-butene/Vinyl silane co-polymers.* Proceedings of the Macromolecule Society of South Africa. Stellenbosch, 1996.

## Referate internasionaal/Papers international

ALLIE Z, MAARTENS A, SWART P, JACOBS EP. *Optimisation of biological cleaning of ultrafiltration membranes fouled in abattoir effluent.* 2nd African Water Conference. Midrand, South Africa, 1996.

BESSARABOV DG, SANDERSON RD. *The new possibilities to improve membrane-based gas and vapour separations: A membrane contactor design and electronic separations*. Air Products. Allentown, USA, 1996.

BROUCKAERT CJ, BUCKLEY CA, JACOBS EP. *Common pitfalls in the design and operation of membrane plants - or how I should have done it!* 2nd African Water Conference. Midrand, South Africa, 1996.

DE WET-ROOS D. *Synthesis of neural polymeric bonding agents*. 33rd Convention of the South African Chemical Institute. Cape Town, South Africa, 1996.

DU TOIT FJ. *Surface fluorination of polymers for improved adhesion and diffusion*. 33rd Convention of the South African Chemical Institute. Cape Town, South Africa, 1996.

EDWARDS W, BOSHOFF A, LEUKES WD, JACOBS EP, SANDERSON RD, BURTON SG, ROSE PD. *A comparison between two parallel transverse-flow membrane bioreactor modules in terms of bioremediation efficiency using immobilised Tyrosinase*. 2nd African Water Conference. Midrand, South Africa, 1996.

GREYLING CJ, SANDERSON RD, BEESLAAR M, HANSEN RS. *Pulse-jet fabric filters in the southern hemisphere; monitoring methodology*. International Symposium of Filtration and Separation of Fine Dust. Wirtschaftskammer Österreich, Vienna, Austria, 1996.

JACOBS EP, PILLAY VL, DE VILLIERS HA. *Ultrafiltration in potable-water production*. 2nd African Water Conference. Midrand, South Africa, 1996.

LINKOV VM, SANDERSON RD. *Hollow-fibre carbon membranes from PAN-based precursors*. 33rd Convention of the South African Chemical Institute. Cape Town, South Africa, 1996.

ROSE PD, EDWARDS W, LEUKES WD, SANDERSON RD, JACOBS EP, BURTON SG. *The application and integration of membrane processes in biotechnology*. 2nd African Water Conference. Midrand, South Africa, 1996.

ROSE PD, JACOBS EP, BURTON SG, LEUKES WD, EDWARDS WD, SANDERSON RD. *Biotechnological applications of membranes*. 33rd Convention of the South African Chemical Institute. Cape Town, South Africa, 1996.

SANDERSON RD. *Newer membrane materials and processes presently under investigation in South Africa*. 33rd Convention of the South African Chemical Institute. Cape Town, South Africa, 1996.

SANDERSON RD, PAUL D, VERMEULEN JP, SMITH SPJ. *Scanning force microscopy studies of membranes*. IASPM Workshop. Gaithersburg, USA, 1996.

SANDERSON RD, SMITH SPJ. *Catalytic hollow-fibre membranes*. 3rd Workshop on Integrated Catalytic Membranes. Arcavacata di Rende, Rende, Italy, 1996.

SANDERSON RD, SMITH SPJ. *Versatility of hollow-fibre membranes*. Air Products. Allentown, USA, 1996.

SMITH SPJ, JACOBS EP, SANDERSON RD. *Preparation of novel composite zeolite membranes*. 2nd African Water Conference. Midrand, South Africa, 1996.

SMITH SPJ, SANDERSON RD. *Composite carbon-zeolite membrane production*. Air Products. Allentown, USA, 1996.

SMITH SPJ, SANDERSON RD, JACOBS EP. *Preparation of hollow-fibre composite carbon-zeolite membranes*. 3rd Workshop on Integrated Catalytic Membranes. Arcavacata di Rende, Rende, Italy, 1996.

SMITH SPJ, SANDERSON RD, JACOBS EP. *Preparation of hollow-fibre composite carbon-zeolite membranes*. Seminar on the Ecological Applications of Innovative Membrane Technology in the Chemical Industry. Cetraro, Italy, 1996.

SWART P, MAARTENS A, JACOBS EP. *Fouling and the role of enzymes in membrane cleaning*. 2nd African Water Conference. Midrand, South Africa, 1996.

VAN DER WALT A, JACOBS EP, BRADSHAW SM. *A model for the performance of cellulose acetate tubular nanofiltration membranes*. 2nd African Water Conference. Midrand, South Africa, 1996.

VAN REENEN AJ. *Vinyl silane copolymers*. 33rd Convention of the South African Chemical Institute. Cape Town, South Africa, 1996.

## Referate nasionaal/Papers national

DE VILLIERS HA, JACOBS EP, BOTES JP. *Using filtermembranes to clear water of pathogens*. Association for vegetables under protection, Workshop. Stellenbosch, 1996.

DOMRÖSE SE, JACOBS EP, SANDERSON RD. *Capillary membrane module design and manufacture*. The Water Institute of Southern Africa Biennial Conference and Exhibition. Port Elizabeth, 1996.

EDWARDS W, LEUKES WD, BURTON SG, JACOBS EP, SANDERSON RD. *Dephenolization of wastewater using immobilised polyphenol oxidase in a hollow-fibre membrane transverse-flow biological contactor*. The Water Institute of Southern Africa Biennial Conference and Exhibition. Port Elizabeth, 1996.

ENGELBRECHT J, BELLSTEDT DU, SWART P, JACOBS EP. *The use of ultrafiltration for the purification of industrial waste waters with a high organic content: Membrane fouling and clean-up*. The Water Institute of Southern Africa Biennial Conference and Exhibition. Port Elizabeth, 1996.

JACOBS EP, BARNARD JP, SAAVMAN HM. *Capillary and nanofiltration membranes in wastewater management*. The Water Institute of Southern Africa Biennial Conference and Exhibition. Port Elizabeth, 1996.

JACOBS EP, BESSARABOV DG. *Membrane morphology - A brief introduction*. Applied Membrane Technology Seminar. Paarl, 1996.

JACOBS EP, MAARTENS A, SWART P, DE VILLIERS HA. *Ultrafiltration: A viable option for the removal of colour from South Cape waters?*



Seminar/Workshop on Treatment of coloured water for potable use. Mossel Bay, 1996.

SANDERSON RD. *Membranes*. 3rd South African SPM Workshop, Current Developments in Scanning Probe Microscopy and Raman Spectroscopy. Durban, 1996.

SANDERSON RD, PAUL D. *The use of SPM in the manufacturing of membranes*. 2nd South African SPM Workshop, Latest Developments in Scanning Probe Microscopy. Stellenbosch, 1996.

VAN DER WALT A, JACOBS EP, BRADSHAW SM. *Optimisation of cellulose acetate tubular nanofiltration membranes*. The Water Institute of Southern Africa Biennial Conference and Exhibition. Port Elizabeth, 1996.

VAN ZYL PW, SANDERSON RD, DU TOIT FJ, JACOBS EP. *Surface modification of fluoropolymer membranes*. The Water Institute of Southern Africa Biennial Conference and Exhibition. Port Elizabeth, 1996.

### **Hoofstukke in boeke/Chapters in books**

ANSELME C, JACOBS EP. Ultrafiltration. In: Mallevalle J, Odendaal PE, Wiesner MR, (eds). *Water Treatment Membrane Processes*. McGraw-Hill, 1996: 10.1-10.88.

MANEM J, SANDERSON RD. Membrane bioreactors. In: Mallevalle J, Odendaal PE, Wiesner MR, (eds). *Water Treatment Membrane Processes*. McGraw-Hill, 1996: 17.1-17.31.

SANDERSON RD, VAN REENEN AJ, DU TOIT TR. Solubility parameters (A synthetic approach). In: Salamone JC, (eds). *Polymeric Materials Encyclopedia*. CRC Press, 1996; **10**(Q-S): 7838-7846.

TAYLOR JS, JACOBS EP. Reverse osmosis and nanofiltration. In: Mallevalle J, Odendaal PE, Wiesner MR, (eds). *Water Treatment Membrane Processes*. McGraw-Hill, 1996: 9.1-9.70.

### **Navorsingsverslae/Research reports**

SWART P, MAARTENS A, SWART AC, JACOBS EP. *The development of characterising and cleaning techniques to classify foulants and to remove them from ultra- and microfiltration membranes by biochemical means*. WNK, 1996. 104 pp.

### **Doktoraal afgehandel/Doctoral completed**

BESSARABOV DG. *Microheterogeneous polymeric barriers for membrane contactors: Study of gas and vapour separations*. Ph.D., 1996. 259 pp. Promotor: Dr RD Sanderson.

### **Magister afgehandel/Master's completed**

JOUBERT DJ. *Synthesis and characterisation of 3-methyl-1-butene homo- and copolymers*. M.Sc., 1996, 118 pp. Studieleier/medestudieleier: Dr RD Sanderson/dr AJ van Reenen.

MORKEL CE. *The synthesis and characterisation of regenerants for membranes*. M.Sc., 1996, 153 pp. Studieleier/medestudieleier: Dr RD Sanderson/dr MJ Hurndall.

## **Projekte afgehandel/Projects completed**

SANDERSON RD. *Provision of point-source water*.

## **Projekte lopend/Projects completed**

BEZUIDENHOUT D. *Biocompatible polymeric superstructures for cardiovascular prostheses*. Doktorale promotor/medepromotor: Dr RD Sanderson/prof P Zilla.

BEZUIDENHOUT ME. *Hyperbinders for decorative coatings*. Magister studieleier: Dr RD Sanderson.

BOTES JP. *Membrane filtration in rural water care*. Magister studieleier/medestudieleier: Dr SM Bradshaw/dr EP Jacobs.

BURGER P. *Hybrid membrane/electric cell water purification modelling*. Magister studieleier: Dr RD Sanderson.

CHIKAWAGA J. *Ultra-violet radiation promoted and titanium dioxide catalysed synthesis*. Doktorale promotor/medepromotors: Dr RD Sanderson/prof DF Schneider en dr AJ van Reenen.

COETZEE CH. *Sintese en karakterisering van poli-elektroliete met lae ladings vir spesifieke toepassings as dinamiese membrane in die voedselbedryf*. Magister studieleier/ medestudieleier: Dr RD Sanderson/dr AJ van Reenen.

DE KOCK JJ. *Computer-aided polymer science education*. Magister studieleier: Dr RD Sanderson.

DE WET-ROOS D. *Core shell technology*. Doktorale promotor/medepromotors: Dr RD Sanderson/dr B Cooray en prof JH Knoetze.

DOMRÖSE SE, JACOBS EP, SANDERSON RD. *Development of specialized cross- and transverse flow capillary membrane modules*.

DU TOIT TR. *Evaluation of predictive techniques for polymer compatibility*. Doktorale promotor/medepromotor: Dr RD Sanderson/dr J Fourie.

GERBER S. *Chemical modification of polypropylene*. Doktorale promotor/medepromotor: Dr AJ van Reenen/dr RD Sanderson.

GREYLING CJ. *The effect of high voltage stress on the ageing of polymeric insulators*. Magister studieleier: Dr RD Sanderson.

IMMELMAN E. *The synthesis, characterization and membrane properties of chemically modified poly(vinyl alcohol)*. Doktorale promotor/medepromotors: Dr EP Jacobs/drr MW Bredenkamp en RD Sanderson.

JACOBS EP, BARNARD JP, SANDERSON RD. *Ondersoek na die opgradering van Oranjerivier en sekondêre rioolwater met behulp van ultrafiltrasie en nanofiltrasie.*

JACOBS EP, PILLAY VL. *Research into water supply to rural and peri-urban communities using membrane technologies.*

JACOBS EP, SANDERSON RD, DOMRÖSE SE, LANCASTER FH. *Development and production of membrane systems.*

JOUBERT DJ. *Synthesis and characterisation of polyolefins prepared with unique metallocene catalysts.* Doktorale promotor: Dr RD Sanderson.

KEULER JN. *The investigation into the use of composite membranes for organic reactions.* Magister studieleier/medestudieleier: Prof L Lorenzen/dr RD Sanderson.

KUEHL SA, SANDERSON RD. *Electromagnetic shielding films.*

LOMBARD JF. *Decoy systems simulating jet aircraft plume emissions and strategies for suppression of emissions from missile plumes.* Doktorale promotor/medepromotor: Prof WJ Engelbrecht/dr RD Sanderson.

MAARTENS A. *Application of novel biological cleaning methods for ultrafiltration and microfiltration membranes used in the recycling of industrial effluents.* Doktorale promotor/medepromotor: Prof P Swart/dr EP Jacobs.

MEQUANINT K. *Polyurethane dispersions: synthesis, characterisation and application in coil coatings primers.* Magister studieleier/medestudieleier: Dr RD Sanderson/dr AHA Roediger.

OPPERMAN WJ. *Grape preservation during export - Polymeric devices for.* Doktorale promotor/medepromotor: Dr RD Sanderson/prof B Fourie.

POTGIETER AH. *Poly(propylene- $\alpha$ -olefin) co-polymer synthesis and property study.* Doktorale promotor: Dr RD Sanderson.

POTGIETER HF. *Fischer-Tropsch ionomeric waxes.* Doktorale promotor: Dr RD Sanderson.

ROSE PD, JACOBS EP, SANDERSON RD. *Toepassing van kapillêre membrane in die bio-tegnologiese behandeling van nywerheidsuitvloeiings.*

SANDERSON RD, HURNDALL MJ. *Tolerant membranes.*

SIPHUMA L. *Development of new organic processes. Understanding the chemistry of the cobaltoxime catalytic centre for living free radical reactions.* Magister studieleier: Dr AJ van Reenen.

SMITH SPJ. *Preparation of composite ceramic-zeolite catalytic and separation membranes.* Doktorale promotor: Dr RD Sanderson.

SWART JPJ. *Cotton liners classification: A morphological and chemistry study.* Doktorale promotor/medepromotor: Prof JJA van der Walt/dr RD Sanderson.

SWART P, JACOBS EP. *Die ontwikkeling en karakteriserings- en skoonmaaktegnieke om organiese bevuiling van ultra- en mikro-filtrasiemembrane te klassifiseer en biochemies te verwyder..*

TRUTER WH. *Die bereiding van kobaltkomplekse vir chirale vryradikaal-polimerisasie.* Magister studieleier/medestudieleier: Dr MW Bredenkamp/dr RD Sanderson.

UPTON E. *Benutting van polimeerbedekte ureum deur herkouters.* Magister studieleier/ medestudieleier: Dr J Coetzee/dr RD Sanderson.

VAN DER WALT A. *Design, development and characterisation of a transverse flow membrane reactor for biochemical reactions.* Magister studieleier/medestudieleier: Mnr C Nel/dr EP Jacobs.

VAN ZYL PW. *Semi-permeable fluorinated polymer membranes for gas and water treatment studies.* Doktorale promotor/medepromotor: Dr RD Sanderson/dr EP Jacobs.

VERMEULEN JP. *Graft and chemical modification of natural rubber lattices.* Magister studieleier: Dr RD Sanderson.

VISSER GG. *The use of modified paraffin waxes in polyvinyl chloride processing.* Magister studieleier: Dr RD Sanderson.

WARRANT MS. *Graft acrylic modified water dispersible alkyd resins.* Magister studieleier/medestudieleiers: Dr RD Sanderson/drr B Cooray en AJ van Reenen.

YANIC C. *The use of polysulphone membranes as a matrix for the non covalent immobilisation of affinity ligands, enzymes and ions.* Doktorale promotor/medepromotors: Dr EP Jacobs/prof P Swart en dr M Bredenkamp.

## **instituut vir teoretiese fisika / institute for theoretical physics**

### **Tydskrifartikels/Journal articles**

DAVIS ED, DIALLO AF, BARRET BR. g-boson and systematics of the M1 scissors mode. *Physical Review C* 1996; **53**: 2849-2854.

EGGERS HC, TABTI R, GALE C, HAGLIN K. Dilepton bremsstrahlung from pion-pion scattering in a relativistic OBE model. *Physical Review D* 1996; **53**: 4822-4837.

LIPA P, EGGERS HC, BUSCHBECK B. Correlations, correlation integrals and application to Bose-Einstein interferometry. *Acta Physica Slovaca* 1996; **46**: 547-556.

LIPA P, EGGERS HC, BUSCHBECK B. Generalized moments and cumulants for samples of fixed multiplicity. *Physical Review D* 1996; **53**: 4711-4714.

NAVRÁTIL P, GEYER HB, DOBACZEWSKI J. Boson-fermion mapping and dynamical supersymmetry in fermion models. *Nuclear Physics A* 1996; **607**: 23-42.

TSAY TZENG SY, KUO TTS, TZENG Y, GEYER HB, NAVRÁTIL P. Green's function method with energy-independent vertex functions. *Physical Review C* 1996; **53**: 1249-1253.

### **Verrigtinge internasionaal/Proceedings international**

EGGERS HC, LIPA P, BUSCHBECK B. *Pion interferometry with higher-order cumulants*. XXV International Symposium on Multiparticle Dynamics. Stara Lesna, Slovakia, 1995; *World Scientific* 1996: 650-660.

GEYER HB, NAVRÁTIL P, DOBACZEWSKI, J. *Boson-fermion mapping of collective fermion-pair algebras and dynamical supersymmetry in fermion systems*. Proceedings of the 5th International Spring Seminar on Nuclear Physics, New Perspectives in Nuclear Structure. Ravello, Italië, 1995; *World Scientific* 1996: 291-300.

### **Referate internasionaal/Papers international**

EGGERS HC. *Particle interferometry in high energy hadronic reactions*. International Workshop on Particle Interferometry in High Energy Heavy Ion Reactions. Trento, Italy, 1996.

EGGERS HC, LIPA P, BUSCHBECK B. *Third order cumulants as test of theoretical models in pion interferometry*. 7th International Workshop on Multiparticle Production. Nijmegen, Holland, 1996.

EGGERS HC, TABTI R, GALE C, HAGLIN K. *Dilepton bremsstrahlung from pion-pion scattering*. Workshop on Hadrons in Dense Matter. GSI, Darmstadt, 1996.

EGGERS HC, TABTI R, GALE C, HAGLIN K. *Dileptons from bremsstrahlung: going beyond the soft photon approximation*. International Conference on Structure of Vacuum and Elementary Matter. Wilderness, South Africa, 1996.

GEYER HB. *Boson-fermion realization of Lie algebras and dynamical supersymmetry in fermion models*. Workshop on Algebraic Approaches to Quantum Dynamics. Toronto, Kanada, 1996.

GEYER HB. *Dynamical supersymmetry in fermion systems*. International Workshop on Spectrum Generating Algebras and Dynamical Symmetries in Many Body Systems. Trento, Italië, 1996.

## **instituut vir wiskunde- en wetenskaponderwys / institute for mathematics and science teaching**

### **Referate internasionaal/Papers international**

PRINS ED. *Linguistic and cultural factors that influence readability of mathematics questions*. International LAUD Symposium. "The Cultural Context in Communication across Languages." Duisburg, Germany, 1996.

### **Referate nasionaal/Papers national**

PRINS ED. *The influence of readability of examination questions on achievement in senior secondary school Mathematics*. AMESA '96. Second

National Congress of the Association of Mathematics Education in South Africa. Bellville, 1996.

SMIT JH. *The logic of Reductio ad Absurdum (Proof by Contradiction)*. Spatial Orientation and Spatial Insight (SOSI) 1 Conference. University of South Africa, Pretoria, 1996.

# FAKULTEIT OPVOEDKUNDE FACULTY OF EDUCATION

---

## didaktiek / didactics

### Tydskrifartikels/Journal articles

CARL AE, FRANKEN MJ. Die skoolhoof as visionêre kurrikulumleier in 'n tydperk van transformasie. *Die Unie* 1996; **92**(4): 106-110.

CARL AE, JOHANNES D. 'n Ondersoek na opvoeding vir vrede binne onderwysersopleiding in die Republiek van Suid-Afrika. *South African Journal for Education* 1996; **16**(3): 128-133.

CARL AE, SWARTZ JJ. Peace education for South African schools. *Karring* 1996; **11**: 2-6.

COMBRINK LE. Kulturele geletterdheid en multikulturele onderwys. *Tydskrif vir Taalonderrig van die Suid-Afrikaanse Vereniging vir Taalonderrig* 1996; **30**: 1.

MENKVELD H. Spellingontwikkeling: Spelprobleme of spelfoute? *Klasgids* 1996; **31** (4): 17-19.

PARK T, MARSHALL DA. The head of subject: Fictitious or factual leader? *South African Journal for Education* 1996; **16**(1): 27-31.

ROUX CD. Paradigm shift: Christian student teachers in a multi-religious education programme. *Religious Education* 1996; **54**(2): 7-10.

SMUTS JP, SMUTS R. Die verteller by Hennie Aucamp: 'n Bruidsbed vir tant Nonnie. *Tydskrif vir Letterkunde* 1996; **34**(3) 126-131.

SMUTS R. "'n Man met 'n flits" en "Digter" (DJ Opperman). *Tydskrif vir Letterkunde* 1995; **33**(4): 117-123.

VENTER E. Idea 95. *Research in Drama Education* 1996; **1**(1): 147-149.

### Verrigtinge internasionaal/Proceedings international

CARL AE. *Education for peace in a diverse cultural society: Curriculum implication*. Proceedings of the International Conference on Education and Change. Pretoria. South Africa, 1995: 155-165.

ROUX CD. *Gehörgeschadigte Kinder: Zur Entwicklung religiöser Begriff und Werte*. Documentationsband des fünften Würzburger Religionspädagogischen Symposiums. Comenius Instituut, Münster, Duitsland, 1996: 189-198.

ROUX CD. *Religionsunterricht in der pluralistischen Gesellschaft der Republik Südafrika*. Documentationsband des fünften Würzburger

Religionspädagogischen Symposiums. Comenius Instituut, Münster, Duitsland, 1996: 353-362.

### **Verrigtinge nasionaal/Proceedings national**

JORDAAN AS. *A critique of KR Heptinstall's paper: "People's perception of Technology"*. Proceedings of the South African Conference on People's Understanding of Science and Technology. Kuilsrivier, 1996: 10-13.

ROUX CD. *Teaching religion in multi-cultural education: A paradigm shift*. Papers of the National Subject Didactics Symposium. Bloemfontein, 1996: 230-240.

SMUTS R. *Krisis en uitdaging: Die vakdidaktiek van Afrikaans in 'n veranderde Suid-Afrika*. Referate van die National Vakdidaktieksimposium. Bloemfontein, 1996: 266-274.

### **Referate internasionaal/Papers international**

JORDAAN AS. *Chemical equilibrium: Diagnosing misconceptions and teaching for meaningful learning*. 14th International Conference on Chemical Education. Brisbane, Australië, 1996.

RIDGE E. *Bridging the gap: Concepts and strategies*. Thirtieth Annual Convention and Exposition (TESOL). Chicago, Illinois, USA, 1996.

ROUX CD. *Gehörgeschadigte Kinder: Zur Entwicklung religiöser Begriffe und Werte*. Fifth Würzberger Religious Education Symposium. Rotenburg, Duitsland, 1996.

ROUX CD. *Religionsunterricht in einer pluralistischer Gesellschaft*. Fifth Würzberger Religious Education Symposium. Rotenburg, Duitsland, 1996.

SMUTS R. *Literatuur en politiek in Zuid-Afrika: Nu hoort, wat Reinaert heeft gedaan*. Vakbyeenkoms. Huizinga Instituut, Amsterdam, Nederland, 1996.

### **Referate nasionaal/Papers national**

COMBRINK LE. *Die ontwikkeling van 'n onderrigprogram*. SAVTO-konferensie. RAU, 1996.

COMBRINK LE. *Die rol van die leser se verwysingsraamwerk*. SAVTO-konferensie. RAU, 1996.

COMBRINK LE. *Tussentydse kernsillabus vir Afrikaans: Integreerende, kommunikatiewe taalonderrig*. Natalse Onderwysdepartement. Durban, 1996.

SMUTS R. *'n Herwaardering van die begrip "fout"*. Kongres van die Afrikaanse Letterkundevereniging. Bloemfontein, 1996.

SWARTZ JJ. *The challenges of designing an adult ESL literacy course*. SATESOL-kongres. Port Elizabeth, 1996.

SWARTZ JJ. *Teaching primary school reading or merely conducting reading lessons?* SATESOL-kongres. Port Elizabeth, 1996.



## Hoofstukke in boeke/Chapters in books

ROUX CD. The religious development and potential of the child. In: Summers HC, Waddington RR, (eds). *Religious Education for Transformation*. Kagiso Trust, 1996: 107-127.

SCHREUDER DR. River studies for Primary Schools. In: Fien J, (ed.). *Teaching for a Sustainable World*. Griffith University for UNESCO-UNEP IEEP, Brisbane, 1996: Chapter 15.

SCHREUDER DR, DE LANGE IA. Environmental education for social change. In: Stapp WB, (ed.). *International Case Studies on Watershed Education*. Kendall-Hunt, Dubuque, Iowa, 1996: 204-207.

SCHREUDER DR, DE LANGE IA, O'DONOGHUE R. Low-cost monitoring. In: Stapp WB, (ed.). *International Case Studies on Watershed Education*. Kendall-Hunt, Dubuque, Iowa, 1996: 35-39.

## Navorsingsverslae/Research reports

JORDAAN AS, NANGU NC. *The influence of written text on std 6 pupils understanding of elements and compounds*. SNO, 1996. 77 pp.

## Doktoraal afgehandel/Doctoral completed

DE VILLIERS MJ. *Die bydrae van Natuur en Skeikunde-onderrig tot tegnologie-opvoeding in die junior sekondêre skoolfase*. D.Ed., 1996. 427 pp. Promotor/medepromotor: Dr AS Jordaan/prof PG Human.

HATTINGH CR. *'n Funksioneel-konseptuele model vir kurrikulum-disseminasie en kurrikulum-implementering*. D.Ed., 1996. 351 pp. Promotor/medepromotor: Prof AE Carl/ prof J Cawood.

LOTZ HB. *The development of environmental education resource materials for Junior Primary Education through teacher participation: The case of the We Care Primary Project*. D.Ed., 1996. 340 pp. Promotor: Prof DR Schreuder.

## Magister afgehandel/Master's completed

ALBERTS AB. *An investigation into the pre-service preparation of secondary teachers of English*. M.Ed. cum laude, 1996. 220 pp. Studieleier: Mev E Ridge.

BOTHA LM. *Academic support and development at technical and vocational colleges in the Western Cape*. M.Ed. cum laude, 1996. 172 pp. Studieleier: Prof T Park.

MATTHEE FC. *Die hantering van enkele jeugromans van Barrie Hough: 'n Leerder-lesergerigte benadering*. M.Ed., 1996. 222 pp. Studieleier: Dr LE Combrink.

## Projekte lopend/Projects current

ABRAHAMMS MF. *Environmental education: An all-perspective approach in a new curriculum*. Magister studieleier: Prof DR Schreuder.

BAADJES FH. *Religieuse onderrig in 'n multireligieuse primêre skool-opset: Die verhouding tussen religie en moraliteit.* Magister studieleier: Dr CD Roux.

BADENHORST A. *Die benutting van die strokies-prent in die onderrig van Afrikaans-stelwerk en -letterkunde op sekondêre skoolvlak.* Magister studieleier: Dr R Smuts.

BEZUIDENHOUT JGH. *Universiteitstudente se begryping van die kalkulus.* Doktorale promotors: Prof PG Human en mnr AI Olivier.

BLANCKENBERG JM. *Kurrikulumontwikkeling vir rekenaargeletterdheid.* Doktorale promotor: Prof PG Human.

BLUMBERG C. *Non-formal health education: The role of community based resource centres as educational agencies.* Doktorale promotor: Prof T Park.

BUSAKWE TL. *A needs assessment for staff development in Colleges of Education with specific references to colleges in the central region of the Eastern Cape province.* Magister studieleier: Prof CA Kapp.

CARL AE, SWARTZ JJ. *Opvoeding vir vrede: 'n Loodsprojek in KwaZulu-Natal.*

CLOETE GM. *Koöperatiewe aanbiedingsmetodes in die onderrig van handelsvakke op skoolvlak.* Magister studieleiers: Mnr AP de Villiers en prof AE Carl.

COERTZEN MA. *Groepbenadering tot musiek-opvoeding met besondere verwysing na klawerbord-onderrig.* Doktorale promotor: Prof AE Carl.

COETZER A. *Die gesprek (writing conference) tussen onderwyser en leerlinge tydens die skryfproses.* Magister studieleier: Dr R Smuts.

DE LANGE IA. *'n Aksienavorsingstudie van die ontwikkeling van 'n kurrikulumverrykingsprojek in omgewingsopvoeding: 'n gevallestudie van die Skolewaterprojek (SWAP).* Magister studieleier: Prof DR Schreuder.

DE VILLIERS DB. *Die rol van liggaamlike opvoeding in gesondheidsopvoeding.* Magister studieleier: Dr KJ van Deventer.

DE VILLIERS JM. *Die evaluering van junior sekondêre leerlinge se beskouing van denkvaardigheidsontwikkeling.* Magister studieleier: Prof T Park.

DE VILLIERS L. *Die implikasies van postmodernisme vir multikulturele kunsonderwys.* Magister studieleier: Mnr FJ Potgieter.

DE WITT E. *Krommepassing as probleem tipe in 'n probleemgesentreerde benadering tot algebra en differensiaalrekenkunde op skoolvlak.* Magister studieleier: Prof PG Human.

DENGA LP. *The supervision of teaching practice in teacher education programmes.* Magister studieleier: Prof T Park.

DODGEN HJ. *Xhosa-speaking pupil's understanding of heat and temperature.* Doktorale promotors: Dr AS Jordaan en prof PG Human.

DU TOIT AJ. *Riglyne vir probleemgestremde trigonometrie-onderwys*.  
Doktorale promotor: Prof PG Human.

FRAUENKNECHT R. *High school and early tertiary students' understanding of graphs of motion*. Doktorale promotors: Dr AS Jordaan en prof PG Human.

GROENEWALD J. *Design criteria for the development of initial and advanced courses in secondary language teacher training*. Doktorale promotor: Prof CA Kapp.

HANSEN JK. *The English curriculum in multi-cultural education in South Africa*. Doktorale promotor: Dr JJ Swartz.

HIILBRUGH T. *Die identifisering van kritiese elemente in die ontwikkeling van primêreskoolhoofde om omgewingsopvoeding in 'n totale skool-benadering te implementeer*. Magister studieleier: Prof DR Schreuder.

HOBLYN WR. *The role of the educational leader in facilitating a multi-religious programme in secondary public schools*. Magister studieleier: Dr CD Roux.

HUGO J. *Mediatoepaslikheid vir gesondheidsopvoeding in 'n ontwikkelende land*. Doktorale promotor: Prof FD Terblanche.

ISAACS A. *Alternative evaluation strategies for geography education in a multicultural classroom*. Magister studieleier: Dr MJ Smit.

ISAACS J. *The development of a student feedback system for Colleges of Vocational Education in the Western Cape*. Magister studieleier: Prof CA Kapp.

JANSEN TWJ. *Die rol van omgewingsopvoeding in die aanspreek van omgewingsprobleme in 'n agtergestelde gemeenskap: 'n Aksienavorsingsbenadering tot probleemoplossing in die primêre skool*. Magister studieleier: Prof DR Schreuder.

JOHANNES D. *Kritiese elemente in die opleiding van onderwysers ten opsigte van opvoeding van vrede*. Doktorale promotor: Prof AE Carl.

JOHNSON LJ. *Die ontleding van die onderrig-ontwikkelingsbehoefte van onderwysers in histories-benadeelde skole*. Magister studieleier: Prof T Park.

KAKAZA NP. *A critical evaluation of the teaching practice programme in the central region of the Eastern Cape province*. Magister studieleier: Prof CA Kapp.

KHUMALO KH. *The effect of cooperative learning on student performance in English as second language with specific reference to the Madadeni College of Education*. Magister studieleier: Prof CA Kapp.

KOTZE GJ. *Die aandeel van die ouergemeenskap in skooltransformasies met die oog op effektiewer onderrig en leer*. Magister studieleier: Prof J Cawood.

KROESE EM. *An action research approach to curriculum development: Consumerism as a curriculum focus in English (Second Language) in a*

*secondary school in a middle class community.* Magister studieleier: Prof DR Schreuder.

LAING MMJ. *Implikasies van alternatiewe wiskundekurrikulum in die junior primêre skoolfase vir remediëringsbehoefte en -praktyk.* Magister studieleier: Prof PG Human.

LAMPEN CE. *Die ontwikkeling van junior primêre leerlinge se geometrisering van drie-dimensionele voorwerpe.* Magister studieleiers: Mnr Al Olivier en mev JC Murray.

LE ROUX A. *Die invloed van voorkennis op die benutting van probleemgesentreerde leergeleenthede in rekenkunde.* Doktorale promotor: Prof PG Human.

LOUW AJ. *'n Ontleding van die Aardrykskunde-kurrikula van primêre en junior sekondêre standers in enkele geselekteerde oorsese lande.* Magister studieleier: Dr MJ Smit.

LOUW GC. *An observational study of the development of students' environmental action groups.* Magister studieleier: Prof DR Schreuder.

MAASDORP KF. *Die rol van die Skoolvoorligting-onderwyser in die onderwyshantering van sosiale omgewingsprobleme.* Magister studieleier: Prof DR Schreuder.

MACHIKA MP. *The utilisation of critical thinking towards the enhancement of teaching and learning, with special reference to the teaching of Sepedi literature.* Magister studieleier: Prof CA Kapp.

MALAN MleR. *Die ontwerp van leswaarnemingsinstrumente as onderrigontwikkelingsaktiwiteit in sekondêre skole.* Magister studieleier: Prof T Park.

MARAIS JF. *Die seinsisteem as waarnemingsformaat in die opleiding van onderwysers.* Magister studieleier: Prof T Park.

MARAIS JPJ. *The role of language in learning chemical equilibrium.* Doktorale promotor: Dr AS Jordaan.

MATOLE M. *Communicative language teaching as a means of addressing under-achievement in English as a second language in standard 5 pupils in DET schools.* Magister studieleier: Dr JJ Swartz.

MATSHEKE VV. *A critical evaluation of the curriculum for Teacher Education Colleges in the Eastern Cape.* Magister studieleier: Prof CA Kapp.

MATTHEE FC. *Die kind in krisis soos uitgebeeld in die jeugverhaal.* Magister studieleier: Dr LE Combrink.

MHALAULI AN. *An investigation into the development of an active learning approach to environmental education in black urban junior primary school situations.* Magister studieleier: Prof DR Schreuder.

MURRAY JC. *Die voorkoms van spontane rekenstrategieë by junior primêre leerlinge.* Doktorale promotor: Prof PG Human.

NACKERDIEN NF. *Reading development in second language at secondary school level: An integrative model for continuous assessment of reading comprehension.* Magister studieleier: Mev E Ridge.

NEETHLING AD. *Kurrikulumverryking in Aardrykskunde-onderrig op sekondêre skoolvlak.* Magister studieleier: Dr MJ Smit.

NEETHLING SAC. *Die ontwerp van 'n model vir oerbetrokkenheid by die skoolkurrikulum in 'n sosio-ekonomies gedepriveerde gemeenskap.* Magister studieleier: Prof J Cawood.

NORMAN RJ. *A biography of a Biology teacher: A study of the role of the teacher in the development of a critical approach to learning.* Magister studieleier: Prof DR Schreuder.

NORVAL GM. *The development of a practical component for students on the academic bridging programme at the Durban Technical College.* Magister studieleier: Prof CA Kapp.

NOWERS RJ. *Omgewingopvoeding aan landboukolleges: 'n Holistiese kurrikulumbenadering tot omgewingsaangeleenthede.* Doktorale promotor: Prof DR Schreuder.

OLIVIER AI. *Leerlinge se begryping van letter-simbole in aanvangsalgebra.* Doktorale promotor: Prof PG Human.

OOSTHUIZEN JHR. *Die potensiele rol van omgewingsopvoeding in die rehabilitasie van sosiaal-gestremde leerlinge.* Magister studieleier: Prof DR Schreuder.

OOSTHUYSEN S. *Die ontwikkeling van 'n kurrikulum vir die opleiding van onderwysers in musiekopvoeding binne 'n multi-kulturele samelewing.* Doktorale promotor: Prof AE Carl.

PLAATJIES SJ. *Oerbetrokkenheid in die ontwikkeling van 'n leerkultuur op hoërskoolvlak.* Magister studieleier: Prof AE Carl.

QAGA B. *English syllabus revision as a means of addressing the academic needs of potential tertiary students.* Magister studieleier: Dr JJ Swartz.

RHODES BD. *Die onderrigleier se rol in die oplossing van vraagstukke rondom religie en etiek binne skoolverband.* Magister studieleier: Dr CD Roux.

RIDGE E. *The development of strategies for independent language acquisition in English at junior secondary levels.* Doktorale promotors: Proff ACL Sinclair, WL Nell en CD Cilliers.

RIDGE E. *Effektiewe leerstrategie-ontwikkeling op laerskoolvlak.*

ROSSOUW HC. *'n Didaktiese perspektief op die herstel van 'n leerkultuur in skole.* Doktorale promotor: Prof J Cawood.

ROUX CD. *Redefining the role of religious education teachers in a multi-cultural and multi-religious school environment.*

ROUX CD. *Research into the possibility of multi-religious education in schools for children with special educational needs.*

SCHEUDER DR. *Skole-Water-Aksie-Projek (SWAP).*

SCHEUDER DR. *We Care Junior Primary Project.*

SCHEUDER DR. *Windows on nature resource development project.*

SNYDERS A. *Die hantering van 'n mono-religieuse kurrikulum binne 'n multireligieuse primêre skoolverband.* Magister studieleier: Dr CD Roux.

STEENKAMP D. *'n Opleidingsmodel vir die didaktiese hantering van multireligieuse vakinhoud in religieuse studie.* Magister studieleier: Dr CD Roux.

STEINMETZ M. *The use of teaching skills to enhance English Second Language teaching at the junior secondary school level.* Magister studieleiers: Dr JJ Swartz en mev E Ridge.

STUURMAN C. *Die bemagtiging van ouers met betrekking tot effektiewe onderwysleierskap in sekondêre skole in die RSA gedurende 'n tyd van transformasie.* Magister studieleier: Prof AE Carl.

SWART DE. *Die onafhanklikheid van die Natuur en Skeikunde-kurrikulum van die Wiskunde-kurrikulum.* Magister studieleier: Dr AS Jordaan.

SWARTZ JJ. *Effektiewe benaderings tot die onderrig van Afrikaans as derde taal aan swart volwasse leerders (Starting English).*

TAYLOR MJ. *The potential of local networking processes of environmental education within a local context.* Magister studieleier: Prof DR Schreuder.

TORR RP. *The role and impact of environmental education in transformation school policy and practice: The case of the Western Cape Access Consortium.* Magister studieleier: Prof DR Schreuder.

VAN DER MERWE CR. *Kurrikulumkonsultasie-diens in primêre skole.* Doktorale promotor: Prof AE Carl.

VAN DER MESCHT CRD. *The power of pictures: Photographs as stimuli for writing CED essay examinations.* Magister studieleier: Mev E Ridge.

VAN DYK JJ. *Die oorgang van rekenkunde na algebra in 'n probleemgesentreerde benadering.* Magister studieleier: Prof PG Human.

VAN HEERDEN JE. *Junior sekondêre leerlinge se vlak van bewustheid van bewerkingseienskappe.* Doktorale promotor: Prof PG Human.

VAN JAARSVELD PP. *Knowledge integration in the learning of mathematics at the upper secondary level.* Doktorale promotor: Prof PG Human.

VAN ROOYEN AB. *'n Ondersoek na die huidige stand van rekenaarbenutting in die sekondêre skole onder beheer van die WKOD.* Magister studieleier: Dr MM Malan.

VAN SCHALKWYK C. *The contribution of Geography teaching towards the development of thinking skills of the learner*. Magister studieieier: Dr MJ Smit.

VAN WALBEEK JM. *Kurrikulumontwikkeling vir ritmiekonderrig met betrekking tot onderwyser-opleiding in musiek*. Magister studieieier: Prof AE Carl.

VENTER E. *Lae-interfensie-analise van dominante verbale-interaksie in sekondêre didaktiese situasies*. Magister studieieier: Prof T Park.

VILJOEN CG. *The role of the primary school English teacher in communicative language teaching*. Magister studieieier: Mev E Ridge.

## **menslike bewegingskunde / human movement studies**

### **Tydskrifartikels/Journal articles**

BLAAUW JH, REAVAL R, HERBERT EJ. A morphological profile and specific characteristics of the Bushman population in the Tsumkwe area in Namibia. *SA Journal for Research in Sport, Physical Education and Recreation* 1995; **18**(1): 1-13.

HERBERT LM, KATZENELLENBOGEN EH. Kreatiwiteit en bewegingsgedrag by 'n multi-kulturele groep pre-primêre leerlinge. *SA Tydskrif vir Navorsing in Sport, Liggaamlike Opvoedkunde en Ontspanning* 1995; **18**(2): 15-29.

KATZENELLENBOGEN EH. African dance: A nature-culture harmony. *The Natal Movement Educator* 1995; **XVI**: 10-16.

POTE N, KATZENELLENBOGEN EH, DU RANDT R. A process approach to promoting social behaviour within school physical education. *SA Journal for Research in Sport, Physical Education and Recreation* 1995; **18**(1): 41-57.

STEENKAMP M, POTGIETER JR. Verband tussen selfmotivering, selfeffektiwiteit en oefenvolharding. *SA Tydskrif vir Navorsing in Sport, Liggaamlike Opvoedkunde en Ontspanning* 1995; **18**(2): 77-83.

VAN DER MERWE FJG. Onthullings oor Suid-Afrika se goue medaljes in atletiek. *The South African Journal of Sports Medicine* 1996; **3**(2): 4-6.

VAN DER MERWE FJG. South Africa and the Olympic Movement (Part One). *African Journal for Physical, Health Education, Recreation and Dance* 1996; **2**(1): 1-17.

VAN DER MERWE FJG. Die stigting van die Suid-Afrikaanse Olimpiese Komitee. *SA Tydskrif vir Navorsing in Sport, Liggaamlike Opvoedkunde en Ontspanning* 1995; **18**(1): 95-103.

WEST KL, BRESSAN ES. The effect of a growth vs specific visual skills training program on accuracy in judging length of ball in cricket. *International Journal of Sport Vision* 1996; **3**(1): 41-49.

### **Verrigtinge internasionaal/Proceedings international**

VAN DER MERWE FJG. *Robben Island: Political apartheid or symbol of unity?* Proceedings of the 3rd International ISHPES Congress for Sport History. Cape Town, 1995; *Sport as Symbol, Symbols in Sport* 1996: 23-33.

VAN DER MERWE FJG, BRESSAN ES. *Changes in the play patterns among the Xhosa of South Africa.* Proceedings of the 2nd International ISHPES Congress for Sport History. Berlin, 1993; *Spiele der Welt im Spannungsfeld von Tradition und Moderne* 1995; 1: 147-151.

### **Verrigtinge nasionaal/Proceedings national**

BRESSAN ES. *Recreation and sport: Working together.* Proceedings of the Vision for Sport Conference. Doornfontein, 1996: 38-43.

VAN DEVENTER KJ. *Physical education and the 'fifth dimension': Partners in promoting health skills in schools.* Proceedings of the National Conference on Creating Health Promoting Schools in South Africa. Bellville, 1996: 200-205.

### **Referate internasionaal/Papers international**

VAN DER MERWE FJG. *The influence of the Malay slaves on the sporting culture of the Cape.* 3rd International ISHPES Seminar on Sport History. Shunde, China, 1996.

### **Referate nasionaal/Papers national**

BRESSAN ES. *A comparison between the visual skills of expert and novice netball players.* Biennial Congress of the Southern African Federation for Movement and Leisure Studies. Stellenbosch, 1996.

HERBERT EJ. *A comparison between underwater hockey work intensities of women during training sessions, pre-tournament games and world championship tournament games.* Biennial Congress of the Southern African Federation for Movement and Leisure Studies. Stellenbosch, 1996.

LIGHTBODY M. *The effective use of the long pass by women hockey players participating in the Olympic qualifying tournament in Cape Town in 1995.* Biennial Congress of the Southern African Federation for Movement and Leisure Studies. Stellenbosch, 1996.

MALAN JH. *The influence of selected adventure activities on mood states and self esteem.* Biennial Congress of the Southern African Federation for Movement and Leisure Studies. Stellenbosch, 1996.

POTGIETER JR. *School sport and health: Misconceptions and realities.* National Conference on Creating Health Promoting Schools in South Africa. Bellville, 1996.

POTGIETER JR. *Sport psychology in South Africa: Practical and ethical issues.* Biennial Congress of the Southern African Federation for Movement and Leisure Studies. Stellenbosch, 1996.

VAN DEVENTER KJ. *Die patroon van deelname aan fisieke aktiwiteit van hoërskoolleerlinge in Wes-Kaapland: 'n Verkenningstudie in die Bellville-streek.* Tweejaarlikse Kongres van die Suider-Afrikaanse Federasie vir Beweging- en Vryetydwetenskappe. Stellenbosch, 1996.



VAN NIEKERK E. *'n Profiel van studente in Menslike Bewegingskunde aan die Universiteit van Stellenbosch*. Tweejaarlikse Kongres van die Suider-Afrikaanse Federasie vir Beweging- en Vryetydwetenskappe. Stellenbosch, 1996.

VENTER R, HERBERT EJ. *Fluid requirements of netball players*. Biennial Congress of the Southern African Federation for Movement and Leisure Studies. Stellenbosch, 1996.

## **Boeke/Books**

CROUS A, BRESSAN ES. *Strategies for teaching physical education*. Via Afrika, 1996. 98 pp.

VAN DER MERWE FJG. *Sport en spele onder die Boerekrygsgevangenes tydens die Anglo-Boereoorlog, 1899-1902*. *Annale van die Universiteit van Stellenbosch* 1995/1. US, 1996. 107 pp.

VAN DER MERWE FJG, (ed.). *Sport as symbol, symbols in sport*. Academia, 1996. 398 pp.

## **Hoofstukke in boeke/Chapters in books**

SALTER MA, VAN DER MERWE FJG. Studying leisure and acculturation among the Bushmen of Namibia. In: Blanchard K, (ed.). *The anthropology of sport: An introduction*. Greenwood Press, 1995: 147-151.

## **Navorsingsverslae/Research reports**

BRESSAN ES, LIGHTBODY M. *A comparative study of the speed and accuracy of the roundhouse and straight hit in hockey*. SWO, 1996. 8 pp.

## **Magister afgehandel/Master's completed**

BREYTENBACH JG. *The influence of skin thickness on the determination of the percentage of body fat (skinfolds and ultrasound)*. M. in Menslike Bewegingskunde, 1996. 185 pp. Studieleier: Prof JH Blaauw.

## **Projekte lopend/Projects current**

BAARD ML. *Expressive movement and the development of the perceptual-motor abilities of young children*. Doktorale promotor: Dr ES Bressan.

BRAUN C. *The effects of a water activities programme on the motor proficiency of children with developmental coordination disorder*. Magister studieleier: Dr ES Bressan.

BREEDT BC. *Uitbrandreaksies by sportafrigters*. Doktorale promotor: Prof JR Potgieter.

BRESSAN ES. *The effects of aerobic programming on the acquisition of sport skills*.

BRESSAN ES. *The effects of remedial movement programmes on the motor skill of children with developmental coordination disorders*.

BRESSAN ES. *Expert-novice differences in visual skills performances.*

BREYTENBACH PO. *Die verband tussen geselekteerde antropometriese veranderlikes op die kraguitsette van die onderste ledemate.* Magister studieleier: Prof JH Blaauw.

CALDER HEJ. *The role of individuality in team sport.* Doktorale promotor: Prof JR Potgieter.

DE VILLIERS D. *Die rol van liggaamlike opvoeding in gesondheidsopvoeding.* Magister studieleier: Dr KJ van Deventer.

DU TOIT N. *The effect of training visual scanning patterns on decision-making in sport.* Magister studieleier: Dr ES Bressan.

HERBERT EJ. *Identifying kinesiological predictors for high level underwater performance.* Doktorale promotor: Prof JH Blaauw.

MAPONYANE KA. *The development of sports in South Africa with special reference to Blacks.* Magister studieleier: Dr FJG van der Merwe.

MAREE GJ. *Die effek van geselekteerde sielkundige intervensies op sportprestasie.* Doktorale promotor: Prof JR Potgieter.

NEL PdeV. *'n Multidimensionele profielstudie van valskermspringers.* Doktorale promotor: Prof JR Potgieter.

PATERSON GD. *The effects of selected coaching strategies on the self-esteem of young cricketers.* Doktorale promotor: Dr ES Bressan.

PEDERSEN PB. *Attitudes of prospective teachers towards physical activity: A cross-cultural and longitudinal perspective.* Magister studieleier: Dr KJ van Deventer.

RAAFF J. *The programming of a dynamic model for the performance of fundamental skills in selected ball sports.* Magister studieleier: Dr ES Bressan.

STANDER MC. *Die bepaling van isokinetiese parameters vir geselekteerde sportsoorte.* Magister studieleier: Prof JH Blaauw.

STRAUSS WF. *'n Sportsielkundige behandelingsprogram vir gemoedsversteurings.* Doktorale promotor: Prof JR Potgieter.

VAN DER MERWE FJG. *Suid-Afrika se betrokkenheid by die Louisiana Purchase Exposition en Olimpiese Spele van 1904.*

VAN DEVENTER KJ. *Die patroon van deelname aan fisieke aktiwiteit van hoërskoolleerlinge in Wes-Kaapland: 'n Verkenningstudie in die Bellville-streek.*

VAN HEERDEN H. *Geselekteerde morfologiese eienskappe en fiksheidsvlakke van skoolgaande meisies tussen die ouderdomme 13 tot 19 jaar.* Magister studieleier: Prof JH Blaauw.

VAN HEERDEN JC. *Die effek van geselekteerde motiveringstegnieke op sportlui*. Doktorale promotor: Prof JR Potgieter.

VAN NIEKERK E. *Morfologiese en fisiologiese profiel van elite-ritmiese gimnaste in Suid-Afrika*. Magister studieleier: Prof JH Blaauw.

VARNDELL J. *Sacro iliac joint malalignment and ilio tibial band syndrome*. Magister studieleier: Prof JH Blaauw.

## **opvoedingsbeleidstudie / education policy studies**

### **Tydskrifartikels/Journal articles**

DE KLERK J. Leierskap in onderwys: Slegs vir mans? *SA Tydskrif vir Opvoedkunde* 1996; **16**(4): 173-180.

DU PLESSIS WS, TRAEBERT WE. Technology education in South Africa and Germany. *Acta Academica* 1995; **27**(3): 68-85.

STEYN JC, COETZEE M. Knowledge and the school curriculum: green or competitive? *Acta Academica* 1996; **28**(1): 95-109.

### **Verrigtinge internasionaal/Proceedings international**

DE KLERK J. *Women in education: Differentiation or discrimination?* International Conference on Education and Change. Pretoria, 1996: 198-205.

DU PLESSIS WS, STEYN JC. *Conceptualizing relevant education in a developing South African society*. Proceedings of the 11th International Congress of the World Association for Educational Research. Jerusalem, 1996: 405-412.

### **Doktoraal afgehandel/Doctoral completed**

STONIER JL. *Implications of "Africanness" for educational planning in the Republic of South Africa: A qualitative study of educational needs*. Ph.D., 1996. 348 pp. Promotor/medepromotor: Prof WL Nell/dr PJ du Toit.

### **Magister afgehandel/Master's completed**

BAARD HO. *Die verloop van die Essensie-pedagogiek in Suid-Afrika*. M.Ed., 1996. 145 pp. Studieleier: Prof JC Steyn.

JOUBERT P. *Die rol van simbole in die skep van 'n positiewe skoolklimaat*. M.Ed., 1996. 108 pp. Studieleier: Prof JC Steyn.

LANGENHOVEN JH. *Aspekte van die demokratisering van die skoolkurrikulum - 'n sosiaal-demokratiese perspektief*. M.Ed., 1996. 108 pp. Studieleier: Prof JC Steyn.

MULLINEUX FR. *The preparation of teachers for middle management functions: A model for in-service training centres*. M.Ed., 1996. 105 pp. Studieleier: Dr PJ du Toit.

OBERHOLZER AD. *Aspekte van onderwysvernuwing in 'n oorgangstydperk: Die relevansie van die Namibiese ervaring vir Suid-Afrika*. M.Ed., 1996. 141 pp. Studieleier: Dr DJL Taylor.

SMITH BA. *An evaluation of Christian private schools in the RSA: An educational management perspective*. M.Ed., 1996. 230 pp. Studieleier: Dr PJ du Toit.

VAN DER BIJL AJ. *A marketing orientation for educational managers in a competitive environment*. M.Ed., 1996. 141 pp. Studieleiers: Prof NP Prinsloo en dr H Oosthuizen.

## **opvoedkundige sielkunde en spesialiseringsonderwys / educational psychology and SPECIALIZED education**

### **Tydskrifartikels/Journal articles**

CILLIERS CD, BOTHA HL, VAN DER MERWE A-M. The development of a support programme for South African teachers to facilitate the transition to multicultural secondary schools. *International Journal of Special Education* 1996; **11**(2): 59-69.

ENGELBRECHT P, VAN ROOYEN AE. Leesgereedheid en die skooltoetreders. *Die Kleuterjare* 1996; **25**: 11-14.

MALAN JA, ACKERMANN CJ, CILLIERS CD, SMIT AG. The development of a study skills guidance programme for secondary school students in the Western Cape. *South African Journal of Education* 1996; **16**(1): 58-62.

SMIT AG. House crèches for Black pre-school children in disadvantaged communities. *International Journal of Special Education* 1996; **11**(1): 1-12.

### **Referate internasionaal/Papers international**

SMIT AG. *Street schools for street children*. European Conference on Street Children. Amsterdam, Nederland, 1996.

VAN HEERDEN AE. *Education for a rainbow nation: Dealing with diversity*. International Type Users Organization Conference - Diversity, Change and Development. Johannesburg, 1996.

VAN HEERDEN AE. *The inferior function: Dealing with the shadow*. International Type Users Organization Conference - Diversity, Change and Development. Johannesburg, 1996.

### **Referate nasionaal/Papers national**

CILLIERS CD. *Relevance of educational psychology in academic institutions in South Africa*. Nasionale seminaar gereël deur die Departement Opvoedkundige Sielkunde en Spesialiseringsonderwys, US. Stellenbosch, 1996.

ENGELBRECHT P. *The role of the educational psychologist in inclusive education: The Down Syndrome projects*. Kongres van die Psychological Association of South Africa. Johannesburg, 1996.

HAVENGA EHM. *Isn't adult basic education specialised education?* Kongres van Suid-Afrikaanse Vereniging van Leer- en Opvoedingsmoeilikhede (SAVLOM). Pretoria, 1996.

HAVENGA EHM. *Volwasse basiese onderrig: produk- en/of prosesgerig?* Kongres van die Opvoedkundevereniging van Suid-Afrika (OVSA). Potchefstroom, 1996.

KILPIN ME, CILLIERS CD. *Integrating study and thinking skills in a bridging programme for disadvantaged first year students at a South African university*. Kongres van die Opvoedkundevereniging van Suid-Afrika (OVSA). Potchefstroom, 1996.

SMIT AG. *Straatskole vir straatkinders*. Kongres van die Opvoedkundevereniging van Suid-Afrika (OVSA). Potchefstroom, 1996.

## **Boeke/Books**

ENGELBRECHT P, KRIEGLER SM, BOOYSEN MI, (eds). *Perspectives on learning difficulties: International concerns and South African realities*. Van Schaik, 1996. 452 pp.

## **Hoofstukke in boeke/Chapters in books**

ENGELBRECHT P. Cognitive control therapy for South African children with learning difficulties. In: Engelbrecht P, Kriegler SM, Booysen MI, (eds). *Perspectives on learning difficulties: International concerns and South African realities*. Van Schaik, 1996: 199-206.

## **Magister afgehandel/Master's completed**

BADENHORST M. *'n Ondersoek na die verband tussen persoonlikheidstipes en skolastiese prestasie van 'n groep hoërskoolerlinge*. M.Ed. cum laude, 1996. 190 pp. Studieleier: Dr AE van Heerden.

BOTHA M. *Beroepsidentiteitsontwikkeling by Xhosasprekende adolessente*. M.Ed., 1996. 148 pp. Studieleier: Dr CJ Ackermann.

CAROLUS D. *'n Skoolvoorligtingsprogram ten opsigte van lewensvaardighede*. M.Ed., 1996. 178 pp. Studieleier: Prof CD Cilliers.

DE JAGER LJ. *Die funksionering van die vakkundige werkgroep in 'n kinderhuisskool*. M.Ed., 1996. 88 pp. Studieleier: Dr CJ Ackermann.

DU PLESSIS PJ. *'n Ondersoek na die verband tussen die persepsies van adolessente ten opsigte van gesinsfunksionering en skolastiese prestasie*. M.Ed., 1996. 86 pp. Studieleier: Dr AG Smit.

MASUTHA MR. *Secondary school students' perceptions of teachers*. M.Ed., 1996. 90 pp. Studieleier: Dr CJ Ackermann.

PHILANDER JH. *Jeugwangedrag: 'n Opvoedkundig-sielkundige voorkomingsprogram vir die primêre skool*. M.Ed., 1996. 219 pp. Studieleier: Prof CD Cilliers.

VAN CAMP E. *A strategy for teachers to facilitate optimal transfer of learning: An educational psychological study*. M.Ed., 1996. 160 pp. Studieleier: Prof CD Cilliers.

## **Projekte lopend/Projects current**

BAILEY BAF. *Parent involvement in multicultural schools*. Magister studieleier: Dr AG Smit.

BALL DW. *The transferability of Feuerstein's methods in teaching thinking skills to the medially disadvantaged in Israel and South Africa - a qualitative study*. Magister studieleier: Prof CD Cilliers.

BERELOWITZ JK. *Cultivating metacognitive approaches in the classroom: The role of the teacher*. Magister studieleier: Prof P Engelbrecht.

BLOM CD. *Riglyne vir die integrering van die wetsbestede leerder met gedragsprobleme in hoofstroomonderwys*. Magister studieleier: Prof P Engelbrecht.

BUNDING MG. *Identifying reading problems: An in-service training programme for junior primary teachers*. Doktorale promotor: Prof P Engelbrecht.

CILLIERS CD. *Studie- en denkvaardighede vir eerstejaarstudente uit histories-benadeelde gemeenskappe aan die Universiteit van Stellenbosch*.

DANIELS FJ. *Metalearning strategies to enhance metacognition and optimal learning*. Magister studieleier: Prof CD Cilliers.

DE BEER M. *'n Ondersoek na die persoonlikheidstipes van leerlinge en onderwysers in 'n skool in buitengewone onderwys*. Magister studieleier: Dr AE van Heerden.

DEMPERS G. *Attachment, bonding and failure to thrive - a multi-disciplinary approach*. Magister studieleier: Prof CD Cilliers.

DE VILLIERS DP. *Riglyne vir die ontwerp van 'n ortodidaktiese werkwys vir leerders met spesiale onderwysbehoefte*. Magister studieleier: Prof P Engelbrecht.

DOURANS FJ. *An assessment of the level of assertiveness of a group of high school pupils*. Magister studieleier: Dr AE van Heerden.

DU PREEZ CV. *Die verband tussen die ware self en die ideale self op grond van die persoonlikheidstipevoorkeure van 'n groep standerd 6-leerlinge soos bepaal deur die Murphy-Meisgeier Persoonlikheidstipevraelys vir kinders*. Magister studieleier: Dr AE van Heerden.

DU PREEZ M. *A cognitive enhancement programme for junior primary Tswana speaking children*. Doktorale promotor: Prof P Engelbrecht.

- ELOFF I. *'n Kognitiewe ontwikkelingsprogram vir Down sindroom kinders.* Doktorale promotor: Prof P Engelbrecht.
- ENGELBRECHT P. *Enhancing and transforming the first year of schooling.*
- HAVENGA EHM. *'n Informele kognitief-neuropsigologiese siftingsbatterij vir leesprobleme.* Doktorale promotor: Prof P Engelbrecht.
- HEINE MC. *Die Algemene Skolastiese Aanlegtoets as voorspeller vir Wiskundeprestasie in standerd 10.* Magister studieleier: Dr CJ Ackermann.
- JENNINGS MT. *Begripsvaardighede by leerders met spierdistrofie.* Magister studieleier: Me EHM Havenga.
- KERBELKER MJ. *Jung's concept of the shadow and its portrayal in English literature.* Magister studieleier: Dr AE van Heerden.
- KRITZINGER AJ. *A comparison of the personality type preferences of adolescents as yielded by the Murphy Meisgeier Type Indicator for children and the Jung Personality Questionnaire.* Magister studieleier: Dr AE van Heerden.
- LAAUWEN MG. *Children with special educational needs: assessment for inclusion.* Doktorale promotor: Prof P Engelbrecht.
- MALAN MM. *Leer- en denkstele: Implikasies vir die sekondêre onderwyser.* Magister studieleier: Prof CD Cilliers.
- MOORE SMS. *Metakognisie en begripslees.* Magister studieleier: Me EHM Havenga.
- NAICKER SM. *Strategies to reduce failure for learners with special educational needs: From learning disability theory to a more encyclopaedic theory.* Doktorale promotor: Prof P Engelbrecht.
- NELL WL. *Die verband tussen persoonlikheidstipevoorkeure en loopbaanontwikkeling.* Magister studieleier: Dr AE van Heerden.
- NEWMARK R. *Die rol van die opvoedkundige sielkundige in die voorbereiding van die kind met Down sindroom tot geïntegreerde onderwys.* Doktorale promotor: Prof P Engelbrecht.
- PAULSEN ME. *Cooperative learning for children with special educational needs.* Doktorale promotor: Prof P Engelbrecht.
- ROSSOUW MW. *'n Kognitiewe benadering ten opsigte van leergestremdheid binne trans-dissiplinêre spanverband.* Doktorale promotor: Prof P Engelbrecht.
- SASS K. *Die gesinspersepsies van 'n groep blanke adolessente.* Magister studieleier: Dr AG Smit.
- SIEBRITZ CA. *Hoë risikokinders: Teoretiese perspektiewe en die ontwikkeling van evalueringskriteria.* Magister studieleier: Dr AG Smit.

SMAL N. *Persoonlikheidsstyle van 'n groep straatkinders*. Magister studieleier: Dr AG Smit.

SMIT AG. *Die ontwikkeling van nie-konvensionele onderwysprogramme vir hoë risikokinders*.

SMIT AG. *Die persepsies van adolessente van hul gesinne*.

STEVENS MK. *Die gesinspersepsies van 'n groep kleurling adolessente*. Magister studieleier: Dr AG Smit.

TROSKIE C. *Akademie ontwikkeling: Potensiaal-benutting deur middel van deurlopende onderrig en evaluering*. Doktorale medepromotor: Prof CD Cilliers.

VAN DER MERWE A-M. *Multicultural education in South Africa - a needs analysis and implications for a support system for secondary school teachers*. Magister studieleier: Prof CD Cilliers.

VAN DER MERWE MC. *An analysis of the study habits, attitudes and needs/problems of secondary school students in the Western Cape*. Magister studieleier: Prof CD Cilliers.

## **buro vir universiteits- en voortgesette onderwys / bureau for university and continuing education**

### **Tydskrifartikels/Journal articles**

KAPP CA. The role of staff development in improving the quality of learning and adapting to changing conditions. *Journal of Staff, Programme and Organizational Development* 1996; **13**(4): 241-245.

KAPP CA, HEALY M, NELLISON C, MIHEVE B, DE WINTER HC, WATT H. Developing Faculty Developers: Some issues when recruiting new faculty developers and ensuring the professional growth of current faculty developers. *Journal of Staff, Programme and Organizational Development* 1996; **13**(4): 229-239.

### **Verrigtinge internasionaal/Proceedings international**

KAPP CA. *Continuing personal professional development: A case study*. Proceedings of the Annual Conference of the Higher Education Research and Development Society of Australasia. Perth, Australia, 1996: CD ROM.

### **Projekte lopend/Projects current**

KAPP CA. *Die voorbereiding van skriftelike studiemateriaal en die ontwerp van telematiese leeromgewing vir afstandsonderrig aan 'n residensiële universiteit*.

## **eenheid vir navorsing oor wiskunde-onderwys / research unit for mathematics education**

### **Tydskrifartikels/Journal articles**



HIEBERT J, CARPENTER TP, FENNEMA E, FUSON K, HUMAN P, MURRAY H, OLIVIER A, WEARNE D. Problem solving as a basis for reform in curriculum and instruction: The case of Mathematics. *Educational Researcher* 1996; **25**(4): 12-21.

### **Verrigtinge internasionaal/Proceedings international**

MURRAY H, OLIVIER A, HUMAN P. *Young students' informal knowledge of fractions*. Proceedings of the Twentieth International Conference for the Psychology of Mathematics Education. Valencia, Spanje, 1996; **4**: 43-50.

### **Verrigtinge nasionaal/Proceedings national**

MURRAY H, OLIVIER A, HUMAN P. *Young students' informal knowledge of fractions*. Proceedings of the Third National Congress of the Association for Mathematics Education of South Africa. Kaapstad, 1996: 41-48.

# FAKULTEIT LANDBOUWETENSKAPPE FACULTY OF AGRI-CULTURAL SCIENCES

---

## akkerbou en weiding / agronomy and pastures

### Tydskrifartikels/Journal articles

COMBRINK NJJ, JACOBS G, AGENBAG GA, MAREE PCJ. The effect of fruit shading and size on muskmelon fruit quality. *Journal of the South African Society of Horticultural Science* 1996; **6**(1): 13-15.

### Referate internasionaal/Papers international

COMBRINK NJJ. *Quality of hydroponically grown 'Galia' melons detrimentally affected by suppression of transpiration by high relative humidity.* International Symposium on Water Quality and Quantity in Greenhouse Horticulture. Tenerife, Spain, 1996.

### Referate nasionaal/Papers national

AGENBAG GA. *Effect of crop rotation and soil tillage on the yield and quality response of winter cereals to nitrogen.* Annual Congress of the South African Society of Crop Production. Bloemfontein, 1996.

COMBRINK NJJ, LANGENHOVEN P, WOUTERS K. *Reaction of Lupinus spp on Molybdenum seed treatment.* Annual Congress of the South African Society of Crop Production. Bloemfontein, 1996.

DE LANGE AJ, COMBRINK NJJ. *Effects of plastic mulches and row covers on the micro-climate, crop development and yield of cucurbits.* Annual Congress of the South African Society of Crop Production. Bloemfontein, 1996.

PIETERSE PJ. *A.C.A.C.I.A. -19 years later.* 14th National Weed Science Congress. Nelspruit, 1996.

PIETERSE PJ, RANDALL JH, BOUCHER C. *The utilization of woody legume invaders as mulches: a preliminary study.* 22nd Annual Congress of the South African Association of Botanists. Stellenbosch, 1996.

PIETERSE PJ, RANDALL JH, BOUCHER C. *The utilization of woody legume invaders as mulches: a preliminary study.* 14th National Weed Science Congress. Nelspruit, 1996.

### Magister afgehandel/Master's completed

BARRY RJ. *Chemiese beheer van Bromus diandrus Roth. in Triticum aestivum L. met clomazone en foraat.* M.Sc.Agric., 1996. 100 pp. Studieleier: Prof GA Agenbag.

DU PLESSIS CP. *Die invloed van stikstofbemesting volgens reënval op groei, opbrengs en stikstofbenutting van lentekoring in die Swartland.* M.Sc.Agric., 1996. 89 pp. Studieleier: Prof GA Agenbag.

UYS JW. *The influence of perchlorate on the growth of English cucumber.* M.Sc. Agric., 1996. 89 pp. Studieleier: Prof PCJ Maree.

## **Projekte lopend/Projects current**

AGENBAG GA. *Grondbewerkingstegnieke vir optimale kleingraanproduksie in die Swartland en Rûens.*

AGENBAG GA, DE VILLIERS OT. *Die doeltreffendheid van grasonkruiddoders onder gekontroleerde en wisselende klimaatstoestande.*

AGENBAG GA, DE VILLIERS OT. *Invloed van stremmingsfaktore op die kwaliteit en opbrengs van lentekoring in Wes- en Suid-Kaap.*

BRÖNN WJ. *Chemiese beheer van Bromus driandrus Roth. met Mon:37532.* Magister studieleier: Prof GA Agenbag.

COMBRINK NJJ. *Kwaliteit van groentegewasse soos deur produksietegnieke beïnvloed.*

CONRADIE GWDR. *Chemiese beheer van Bromus driandrus Roth. met sulfonielureas.* Magister studieleier: Prof GA Agenbag.

FOURIE JC. *Evaluasie van dekgewasse vir vestiging in wingerd.* Doktorale promotor: Prof GA Agenbag.

HANEKOM D. *Die invloed van N, Ca en B voedingsvlakke op die fenoliese ontwikkeling en B-konsentrasies van verskillende plantdele van die oliesaad (Brassica napus).* Magister studieleier: Dr NJJ Combrink.

KOTZE TN. *Hervestiging van eenjarige Medicago spp. in kleingraan-weidingwisselboustelsels.* Doktorale promotor: Prof GA Agenbag.

LANGENHOVEN P. *Bemesting van uie om kwaliteit te verbeter.* Magister studieleier: Dr NJJ Combrink.

LECUONA AI. *Die invloed van oksihumaat op die produksie van tamaties.* Magister studieleier: Dr NJJ Combrink.

MAREE PCJ. *Evaluering van lentegarskultivars vir opbrengs en moutkwaliteit.*

MAREE PCJ. *Evaluering van lentekoringkultivars vir opbrengs en broodkwaliteit.*

MAREE PCJ. *Die invloed van spoorelemente, voeding en reënval op proteïen en bakgehalte van koring in Suid-Kaap.*

MAREE PCJ. *Invloed van strooimassa, strooivermenging en diepte van plasing van strooi op saailingvestiging van kleingraan.*

MAREE PCJ, AGENBAG GA. *Evaluering van saaidigtheid vir opbrengs en kwaliteit van koring en gars.*

MAREE PCJ, AGENBAG GA. *Vasstelling van stikstofinhoud van vegetatiewe koring- en garsplante vir definisie van norme van stikstofbemesting.*

PIETERSE PJ. *Die beheer en benutting van uitheemse acacias.*

PIETERSE PJ. *Ontkiemingsvereistes van hardskalige weidingsgewasse.*

PIETERSE PJ. *Outekologiese studies van belangrike grasonkruid in die Wes-Kaap.*

SCHREUDER HA. *Stikstofbemesting by aartappels.* Magister studieleier: Prof GA Agenbag.

VAN TONDER CSM. *Raklewe van tamaties (Lycopersicon esculentum Mill.) wat onder beskerming geproduseer is.* Magister studieleier: Dr NJJ Combrink.

## **entomologie en nematologie / entomology and nematology**

### **Tydskrifartikels/Journal articles**

DRINKWATER TW, GILIOMEE JH, PRINGLE KL. Development rates of the false wireworm, *Somaticus angulatus* (Fahraeus)(Coleoptera: Tenebrionidae), at different temperatures. *African Entomology* 1996; **4**(1): 21-24.

GEERTSEMA H. The large cabbage white, *Pieris brassicae*, an exotic butterfly of potential threat to cabbage growers in the Western Cape, South Africa. *Journal of the Southern African Society for Horticultural Science* 1996; **6**(1): 31-34.

GEERTSEMA H, VAN DEN HEEVER JA. A new beetle, *Afrocupes firmae* gen. et sp. nov. (Peromycetidae), from the Late Palaeozoic Whitehill Formation of South Africa. *South African Journal of Science* 1996; **92**: 497-499.

GILIOMEE JH. Annotated key to the families of scale insects (Homoptera: Coccoidea) based on the characters of the adult male. *Israel Journal of Entomology* 1995; **29**: 11-17.

GILIOMEE JH. Dilemmas by die gebruik van plaagdoders vir plaagbeheer. *Agrifutura* 1996; **3**(1): 24-35.

VISSER D, WRIGHT MG, GILIOMEE JH. The effect of the Argentine ant *Linepithema humile* (Mayr) (Hymenoptera: Formicidae) on flower visiting insects of *Protea nitida* Mill (Proteaceae). *African Entomology* 1996; **4**(2): 285-287.

### **Verrigtinge internasionaal/Proceedings international**

BRINK T, GILIOMEE JH, PRINGLE KL. *The occurrence of citrus thrips, Scirtothrips aurantii Faure in mango orchards in South Africa and the*

*resulting implications for pest management*. Proceedings of the XX International Congress of Entomology. Florence, Italië, 1996: 479.

GEERTSEMA H. *Micropylar structure of the eggs of some South African hepialoid moths (Lepidoptera: Hepialidae, Prototheoridae)*. Proceedings of the XX International Congress of Entomology. Florence, Italië, 1996: 53.

GEERTSEMA H, NAUMANN CM, TARMANN GM, EPSTEIN ME, MILLER SE, ZILLI A. *Advances in the phylogenetic study of the Zygaenoidea*. Proceedings of the XX International Congress of Entomology. Florence, Italië, 1996: 32.

GEERTSEMA H, VAN DEN HEEVER JA. *A new beetle (Afrocupes firmae) (Permocupedidae) from the Upper Palaeozoic Whitehill Formation of South Africa*. Proceedings of the XX International Congress of Entomology. Florence, Italië, 1996: 65.

GILIOME E JH. *Are insects as diverse as plants in the Cape Floristic Region?* Proceedings of the XX International Congress of Entomology. Florence, Italië, 1996: 80.

### **Referate nasionaal/Papers national**

GEERTSEMA H, VAN DEN HEEVER JA. *A new beetle (Afrocupes firmae) (Permocupedidae) from the Upper Palaeozoic Whitehill Formation of South Africa*. Paleontologiese Vereniging van Suider-Afrika. Stellenbosch, 1996.

### **Navorsingsverslae/Research reports**

GEERTSEMA H. *Invertebrates*. Lesotho Highlands Water Project - Final Report Contract No. 1008, Baseline Biology Survey and Reserve Development Phase 1B, Volume 3 - Fauna, Chapter 3, 1996: 93-108.

### **Projekte afgehandel/Projects completed**

PRINGLE KL, HEUNIS JM. *A monitoring system for woolly apple aphid*.

### **Projekte lopend/Projects current**

BLOMEFIELD T. *Bionomics, behaviour and control of the codling moth, Cydia pomonella (L.) in apple orchards*. Doktorale promotor: Prof JH Giliomee.

BRINK T. *Thrips management in mango orchards*. Doktorale promotor: Prof JH Giliomee.

DAMAVANDIAN M. *Biology of subterranean populations of woolly apple aphid Eriosoma lanigerum (Hausmann)(Homoptera: Aphididae) in apple orchards*. Doktorale promotor: Dr KL Pringle.

EYLES DK. *Effects of applying mating disruption for codling moth control in apple orchards on pest and beneficial arthropod population levels*. Magister studieleier: Dr KL Pringle.

GEERTSEMA H. *Sistematiek van Lepidoptera (motte) (Systematics of Lepidoptera (moths))*.

GEERTSEMA H. *Voedselopname en biologie van Nadiasa concolor. (Food uptake and biology of Nadiasa concolor.)*

GILMEE JH, MATANMI BA. *Die biologiese beheer van vlieë geassosieer met eierproduksie van hoenders. (Biological control of flies associated with egg production of poultry.)*

KNOETZE R. *The use of PNR and other techniques for the rapid identification of certain nematodes of quarantine importance.* Magister studieleier: Prof AJ Meyer.

MEYER AJ. *'n Evaluering van nematologiese probleme by kleinboere in die Weskaap Provinsie. (An evaluation of nematode problems of small farmers in the Western Cape Province.)*

MEYER AJ, HEYNS J. *Vrylewende nematodes van die Kaapse Fynbos. (Freeliving nematodes from the Fynbos Biome.)*

MEYER AJ, HUGO HJ. *Skade aan perskebome deur Xiphinema brevicolle. (Damage to peach trees by Xiphinema brevicolle.)*

PRINGLE KL, FISHER AL, HEUNIS JM. *Effects of pesticides on predatory mites.*

PRINGLE KL, HEUNIS JM. *Effects of pesticides on the parasitic wasp, Aphelinus mali.*

PRINGLE KL, HEUNIS JM. *Identification of predatory mites.*

PRINGLE KL, HEUNIS JM, LIEBENBERG J. *Influence of nitrogen fertilisation on woolly apple aphid populations on apple trees.*

## **genetika / genetics**

### **Tydskrifartikels/Journal articles**

ANTONOV AI, MARAIS GF. Identification of leaf rust resistance genes in *Triticum* species for transfer to common wheat. *South African Journal of Plant and Soil* 1996; **13**(2): 55-60.

DE WAAL HO, RANDALL JH, KOEKEMOER GJ. The effects of phosphorus supplementation on body mass and reproduction of grazing beef cows supplemented with different levels of phosphorus at Armoedsvlakte. *South African Journal of Animal Science* 1996; **26**(2): 29-36.

KOTZE MJ, THIART R, LOUBSER O, DE VILLIERS JNP, SANTOS M, VARGAS MA, PEETERS AV. Mutation analysis reveals an insertional hotspot in exon 4 of the LDL receptor gene. *Human Genetics* 1996; **98**: 476-478.

LANGENHOVEN E, WARNICH L, THIART R, RUBINSZTEIN DC, VAN DER WESTHUYZEN DR, MARAIS AD, KOTZE MJ. Two novel point mutations causing receptor-negative familial hypercholesterolemia in a South African Indian homozygote. *Atherosclerosis* 1996; **125**: 111-119.

MARAIS GF, PRETORIUS ZA. Gametocidal effects and resistance to wheat leaf rust and stem rust in derivatives of a *Triticum turgidum* ssp *durum*/*Aegilops speltoides* hybrid. *Euphytica* 1996; **88**: 117-124.

PRINS R, MARAIS GF, JANSE BJH, PRETORIUS ZA, MARAIS AS. A physical map of the *Thinopyrum* derived *Lr19* translocation. *Genome* 1996; **39**: 1013-1019.

WARNICH L, KOTZE MJ, GROENEWALD IM, GROENEWALD JZ, VAN BRAKEL MG, VAN HEERDEN CJ, DE VILLIERS JNP, VAN DE VEN WJM, SCHOENMAKERS EFPM, TAKETANI S, RETIEF AE. Identification of three mutations and associated haplotypes in the protoporphyrinogen oxidase gene in South African families with variegate porphyria. *Human Molecular Genetics* 1996; **5**(7): 981-984.

WARNICH L, MEISSNER PN, HIFT RJ, LOUW JH, van HEERDEN CJ, RETIEF AE. Mapping of the variegate porphyria (VP) gene: contradictory evidence for linkage between VP and microsatellite markers at chromosome 14q32. *Human Genetics* 1996; **97**: 690-692.

### Verrigtinge internasionaal/Proceedings international

KOTZE MJ, THIART R, LOUBSER O, DE VILLIERS JNP, SCHOLTZ CL, PEETERS AV. *Analysis of LDL receptor gene mutations in South African familial hypercholesterolemics*. 9th International Congress of Human Genetics. Rio de Janeiro, Brazil, 1996; *Brazilian Journal of Genetics* 1996; **Supplement 19**(2): 236.

WARNICH L, GROENEWALD JZ, GROENEWALD IM, KOTZE MJ, RETIEF AE. *Molecular genetic evidence for a founder effect in variegate porphyria in South Africa*. 9th International Congress of Human Genetics. Rio de Janeiro, Brazil, 1996; *Brazilian Journal of Genetics* 1996; **Supplement 19**(2): 235.

### Referate nasionaal/Papers national

ANDERSSEN IL, WARNICH L, RETIEF AE. *The use of DNA markers in maize germplasm relationships*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

BARKHUIZEN JW, MARAIS GF. *Identification of RAPD marker loci associated with the Thinopyrum Lr19-149 translocation in wheat*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

BRINK D, DE WIT AH. *Genetic progress and economic benefits of improved strains of Rainbow Trout after three generations of selection*. Aquaculture. Grahamstown, 1996.

BRINK D, UYS MJ. *Genotype X environment interaction in Rainbow trout with regard to the utilization of plant and animal proteins*. Aquaculture. Grahamstown, 1996.

BRINK D, UYS MJ. *The status of Koi breeding in the Western Cape*. Aquaculture. Grahamstown, 1996.

DE VILLIERS JNP, LOUBSER O, THIART R, SCHOLTZ CL, PEETERS AV, KOTZE MJ. *Analysis of LDL receptor gene mutations in familial hypercholesterolemics from different population groups*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

FULLARD KJ, LOUW JH. *QTL studies in Drosophila melanogaster: Preliminary experimental steps*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

GROENEWALD IM, BESTER A, KOTZE MJ, LOUBSER O, THIART R, DE VILLIERS JNP, RETIEF AE, WARNICH L. *Analysis of DNA mutations in the protoporphyrinogen oxidase (PPOX) gene in South Africa*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

GROENEWALD JZ, LIEBENBERG J, GROENEWALD IM, RETIEF AE, WARNICH L. *Molecular genetic evidence for a variegate porphyria founder effect in South Africa*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

KOTZE MJ, PEETERS AV, RAAL FJ. *Phenotypic expression of familial hypercholesterolemia in South African children with founder-related LDLR gene mutations*. Congress of the Lipid and Atherosclerosis Society of South Africa. Durban, 1996.

LABUSCHAGNE IF, SCHMIDT K, JACOBS G, LOUW JH. *Evaluation of criteria to investigate the variation in apple (Malus X domestica Borkh.) seedling chilling requirements*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

LOUBSER O, THIART R, DE VILLIERS JNP, SCHOLTZ CL, PEETERS AV, KOTZE MJ. *Analysis of LDL receptor gene mutations in familial hypercholesterolemics from different population groups*. Congress of the Lipid and Atherosclerosis Society of South Africa. Durban, 1996.

LOUW JH. *Quantitative Trait Loci: Experimental Drosophila and mice*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

MARAIS GF, MARAIS AS. *Wide hybridization studies involving Thinopyrum distichum, Secale cereale and X. Tritico-secale*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

MIDDLETON FL, MARAIS GF. *A troublesome gametocidal factor(s) prevents the utilization of genes for rust resistance that were transferred to common wheat from Aegilops speltoides*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

PEETERS AV, RAAL FJ, VERMAAK H, MARAIS AD, THIART R, KOTZE MJ. *Mutation enrichment in the 5'-distal promoter region of the LDL receptor gene in South African blacks*. Congress of the Lipid and Atherosclerosis Society of South Africa. Durban, 1996.

PEETERS AV, VAN GAAL LF, LOUBSER O, THIART R, DE VILLIERS JNP, KOTZE MJ. *Mutation screening in the low-density lipoprotein receptor gene in Belgians with type IIa hyperlipidemia*. Congress of the Lipid and Atherosclerosis Society of South Africa. Durban, 1996.



PIENAAR RdeV, HORN M, LESCH AJG. *A protocol for doubled haploid accelerated wheat breeding*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

PRINS R, MARAIS GF, PRETORIUS ZA, JANSE BJH, MARAIS AS. *Physical maps of the Lr19 translocation and suspected recombinants*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

SWART JM, MARAIS GF, KOTZE TN, ROUX HS. *The collection and evaluation of naturalized populations of Medicago polymorpha to determine its agronomical and breeding value*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

VAN STADEN D, STEVENS M, RETIEF AE. *DNA markers for a Tomato spotted wilt virus resistance gene in tomato*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

WARNICH L, KOTZE MJ, GROENEWALD IM, GROENEWALD JZ, DE VILLIERS JNP, TAKETANI S, RETIEF AE. *Variegate porphyria: Identification of mutations in the protoporphyrinogen oxidase gene in South African patients*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

## **Magister afgehandel/Master's completed**

ANDERSSEN IL. *Analysis of maize germplasm relationships using RAPD and microsatellite markers*. M.Sc., 1996. 87 pp. Studieleier/medestudieleier: Prof AE Retief/dr L Warnich.

BESTER AE. *The isolation of microsatellite repeats from the human chromosome band 14q32 through inter-Alu amplification of yeast artificial chromosomes (YACs)*. M.Sc. Agric., 1996. 77 pp. Studieleier/medestudieleier: Prof AE Retief/dr L Warnich.

BLOMERUS LM. *Studies on gladiolus resistance to Uromyces transversalis (Thüm) Winter*. M.Sc.Agric, 1996. 123 pp. Studieleier/medestudieleier: Dr JH Louw/dr G Littlejohn.

VAN BRAKEL MG. *Die konstruksie en evaluering van 'n mikrodiseksiebiblioteek vir menschromosoom 14q32*. M.Sc.Agric., 1996. 90 pp. Studieleier/medestudieleier: Prof AE Retief/dr L Warnich.

VAN HEERDEN CJ. *The identification of novel (CA)<sub>n</sub> repeats in a microdissection library of chromosome 14q32*. M.Sc., 1996. 103 pp. Studieleier/medestudieleier: Dr L Warnich/prof AE Retief.

VAN STADEN D. *DNA markers for a Tomato Spotted Wilt Virus resistance gene in tomato: Application in marker assisted selection*. M.Sc.Agric, 1996. 74 pp. Studieleier: Prof AE Retief.

## **Projekte lopend/Projects current**

BARKHUIZEN JW. *Identification of RAPD marker loci associated with the Thinopyrum Lr19-149 translocation in wheat*. Magister studieleier: Prof GF Marais.

BRINK D. *Genetic improvement of growth rate in rainbow trout*. Doktorale promotor: Dr JH Louw.

GROENEWALD JZ. *A molecular investigation into the founder hypothesis for variegate porphyria in South African families*. Magister studieleier: Dr L Warnich.

HORN M. *The transfer of a Russian wheat Aphid resistance gene(s) from rye to wheat*. Magister studieleier: Prof GF Marais.

LABUSCHAGNÉ IF. *Investigation of genetic variation in apple seedling chilling requirement*. Doktorale promotor/medepromotor: Dr JH Louw/prof G Jacobs.

LAMBERT C-A. *Die karakterisering van 'n Lycopersicon peruvianum genomiese biblioteek asook die identifisering van mikrosatelliet merkers*. Magister studieleier: Dr L Warnich.

LESCH AJG. *Production of doubled haploids in the wheat cultivar SST5*. Magister studieleier/medestudieleier: Dr JH Louw/prof RdeV Pienaar.

LOUW JH. *Kartering van gene wat variasie in kwantitatiewe kenmerke bepaal*.

MARAIS GF, MIDDLETON FL, PRINS R, MARAIS AS. *Oordrag van gene uit verwante spesies na verboude koring*.

MARAIS GF, ROUX HS. *Teeltverbetering van durumkoring*.

MARAIS GF, ROUX HS. *Teeltverbetering van korog*.

MIDDLETON FL. *A study of gametocidal and disease resistance loci that were transferred to common wheat from the species Aegilops speltoides*. Magister studieleier: Prof GF Marais.

PRINS R. *Characterization of original and modified forms of a Lr19 translocation of wheat*. Doktorale promotor: Prof GF Marais.

SWART JM. *The collection and evaluation of indigenous populations of Medicago polymorpha to determine its agronomical and breeding value*. Magister studieleier: Prof GF Marais.

VAN DER MERWE AS. *Die identifisering van witroes weerstandsgene of genetiese merkers vir witroesbestandheid in Vitis vinifera*. Magister studieleier: Prof GF Marais.

VERMAAK C. *Ondersoek om te bepaal of die Lr19-149 segment spontaan kan rekombineer met koringchromosoom 7B*. Magister studieleier: Prof GF Marais.

WARNICH L, GROENEWALD IM, RETIEF AE. *Study of the molecular genetics of variegate porphyria (VP)*.

WARNICH L, LAMBERT C-A. *The improvement of tomato and other vegetable crops using DNA marker technology*.

WASO HFJ. *PCR-based markers for the maize genome*. Magister studieleier/medestudieleier: Dr L Warnich/prof AE Retief.

WESSELS WG. *Kartering van stamroes en Russiese koringluis weerstandsgene van gewone koring*. Magister studieleier: Prof GF Marais.

## **grond- en landbouwaterkunde / soil and agricultural water science**

### **Tydskrifartikels/Journal articles**

SAAYMAN D, LAMBRECHTS JJN. The effect of fertilisation on the performance of Barlinka table grapes on sandy soil, Hex River Valley. *South African Journal for Enology and Viticulture* 1995; **16**(2): 41-49.

SAAYMAN D, LAMBRECHTS JJN. The effect of irrigation system and crop load on the vigour of Barlinka table grapes on sandy soil, Hex River Valley. *South African Journal for Enology and Viticulture* 1995; **16**(2): 26-34.

### **Referate internasionaal/Papers international**

SAAYMAN, LAMBRECHTS JJN. *Guidelines for the judicious application of irrigation and fertiliser for Barlinka table grapes on sandy soil*. 76ste Algemene Vergadering van die OIV. Kaapstad, 1996.

### **Referate nasionaal/Papers national**

EIGENHUIS B, MOOLMAN JH. *The prediction of sustainable contaminant disposal in soils using computer models: Model selection criteria and sensitivity analysis*. Kongres van die Grondkundevereniging van Suid-Afrika. Bloemfontein, 1996.

SAAYMAN D, LAMBRECHTS JJN. *The effect of fertilisation on the performance of Barlinka table grapes on sandy soil, Hex River Valley*. Kongres van die Suid-Afrikaanse Wingerd- en Wynkunde Vereniging. Kaapstad, 1996.

VAN ZYL E, MOOLMAN JH. *Seisoenale verspreiding van soute in die plantorgane van Vitis Vinifera L. (cv. Colombar) wat met soutryke water besproei word*. Kongres van die Grondkundevereniging van Suid-Afrika. Bloemfontein, 1996.

### **Projekte lopend/Projects current**

CONRADIE WJ, LOUW PJE, DE VILLIERS FS, HAASBROEK P, MARAIS J, SAAYMAN D, STEVENS. *Kwantifisering van die invloed van grond en klimaat op wynkwaliteit en -karakter met die oog op wetenskaplike gebiedsafbakening. (Quantifying the influence of soil and climate on wine quality and character with the aim to characterise wine regions scientifically.)*

DE CLERCQ WP. *'n Ondersoek na nie-destruktiewe tegnieke om die tydsruimtelike verandering in die blaaroppervlakte-indeks van wingerd te kwantifiseer. (An investigation of non-destructive techniques to quantify the temporal and spatial changes in the leaf area index of vineyards.)* Magister studieleier: Prof JH Moolman.

EIGENHUIS B. *A mathematical simulation of the contaminant attenuation capacity of soils in the vadose zone.* Doktorale promotor: Prof JH Moolman.

FERGUSON MCD. *Pollutive implications of chemical contamination in the soil/aquifer system under selected edaphic and climatic conditions.* Magister studieleier: Prof JH Moolman.

LAMBRECHTS JJN. *Kommersiële evaluering van die opheffing van beperkende grondfaktore op marginale grond in die Villiersdorp-distrik. (Commercial evaluation of the amelioration of limiting soil factors on marginal soils in the Villiersdorp district.)*

LOUW PJE. *Predicting and preventing soil crust formation in vineyard soils.* Doktorale promotor: Prof JH Moolman.

MOOLMAN JH, DE CLERCQ WP. *Bepaling van die gevolge van soutbesproeiingswater en bestuuropsies op grondeienskappe en plantgedrag. (Establishing effects of saline irrigation water and managerial options on soil properties and plant performance.)*

MOOLMAN JH. *Die effek van sintetiese hidrofiele polimere op die waterhou vermoë van grond. (The effect of synthetic hydrophylic polymers on the water holding capacity of different soils.)*

MOOLMAN JH. *Die karakterisering en ruimtelike variasie van die hidrouliese geleivermoë van 'n mikrobeproeide wingerdgrond. (The characterization and spatial variability of the hydraulic conductivity of micro-irrigated vineyard soils.)*

MYBURGH PA. *Die ontwikkeling van 'n waterverbruikmodel vir wingerd. (Developing a water use model for vineyards.)* Doktorale promotor: Prof JH Moolman.

SAAYMAN D. *Kwantifisering en bevrediging van die voedingsbehoefte van Vitis vinifera cv. Barlinka. (Quantifying and meeting the nutritional requirements of Vitis vinifera cv. Barlinka.)* Doktorale promotor: Mnr JJN Lambrechts.

SMUTS MN. *Kalkbehoefte van organies- en magnesiumryke gronde. (Lime requirements of organic- and magnesium rich soils.)* Magister studieleier: Mnr JJN Lambrechts.

VOLSCHENK T. *The effect of saline irrigation water on the vegetative growth and yield of Palsteyn apricots.* Doktorale promotor: Prof JH Moolman.

VAN HUYSSTEEN N. *Die effek van grondeienskappe en fosfaatbron op die prestasie van die eenjarige medic cultivar, Santiago. (The effect of soil characteristics and phosphate source on the performance of the annual medic cultivar, Santiago.)* Magister studieleier: Mnr D Saayman.

VAN SCHOOR LH. *Kwantifisering van die invloed van geologie en kleimineralogie op wynkwaliteit en karakter met die oog op wetenskaplike gebiedskarakterisering. (Quantifying the influence of geology and clay mineralogy on wine quality and character with the aim to characterise wine regions scientifically.)* Magister studieleier: Mnr JJN Lambrechts.

VAN ZYL E. *Die aansameling, verspreiding en effek van soute in die organe van wingerd (Vitis vinifera L.) in reaksie op soutryke besproeiingswater. (The accumulation, distribution and effect of salinity in the organs of grapevine (Vitis vinifera L.) when irrigated with saline water.)* Magister studieleier: Prof JH Moolman.

## hortologie / horticultural science

### Tydskrifartikels/Journal articles

GERBER AI, GREENFIELD EJ, THERON KI, JACOBS G. Pruning of Protea cv. Carnical to optimise economic biomass production. *Acta Horticulturae* 1995; **387**: 99-106.

GRIESSEL HM. The Torque Tester: A new development to determine fruit firmness. *Deciduous Fruit Grower* 1996; **46**(3): 92-99.

HONEYBORNE GE. Chemical restbreaking in Pink Lady, Sundowner and Fiesta: A preliminary report. *Deciduous Fruit Grower* 1996; **46**(4): 135-141.

HONEYBORNE GE. The effect of gibberellin-containing growth regulators on fruitset and preharvest quality of Forelle pears. *Deciduous Fruit Grower* 1996; **46**(5): 166-172.

HONEYBORNE GE. Thinning of Royal Gala: The chemical alternative. *Deciduous Fruit Grower* 1996; **46**(6): 205-212.

OOSTHUYSE SA, JACOBS G. Effect of time and severity of fruit thinning on fruit retention, fruit size, tree yield, and tree revenue in Sensation mango. *South African Mango Growers' Association* 1996; **15**: 34-38.

PENG YH, RABE E. Effect of summer trunk girdling on fruit quality, maturation, yield fruit size and tree performance in 'Mihowase' Satsumas. *Journal of Horticultural Science* 1996; **71**(4): 581-589.

RABE E, VAN RENSBURG PJJ. Gibberellic acid sprays, girdling, flower thinning and potassium applications affect fruit splitting and yield in 'Ellendale' tangor. *Journal of Horticultural Science* 1996; **71**(2): 195-203.

THERON KI. Leer kwaliteit ken. *Sagtevrugteboer* 1996; **6**(9): 317-318.

THERON KI, JACOBS G. Changes in carbohydrate composition of the different bulb components of *Nerine bowdenii* W. Watson (Amaryllidaceae). *Journal of the American Society for Horticultural Science* 1996; **121**(2): 343-346.

THERON KI, JACOBS G. The effect of irradiance, defoliation and bulb size on flowering of *Nerine bowdenii* W. Watson (Amaryllidaceae). *Journal of the American Society for Horticultural Science* 1996; **121**(1): 115-122.

### Verrigtinge internasionaal/Proceedings international

HONEYBORNE GE. *Evaluation of substitutes for Methyl Bromide in deciduous fruit replant situations.* Proceedings of the International Research Conference on Methyl Bromide alternatives and emissions reductions. Orlando, USA, 1996: 28-29.

## Verrigtinge nasionaal/Proceedings national

DU PLESSIS P, GRIESSEL HM, THERON KI. *Effect of an autumn application of chlormequat, putrescine or 2,4-DP on fruit set of pear cv. Doyenné du Comice (Pyrus communis)*. Abstracts of the Southern African Society for Horticultural Sciences. Midrand, 1996; **6**: 33.

GERBER AI, THERON KI, JACOBS G. *Scheduling of flower harvest by pruning of Protea 'Sylvia'*. Abstracts of the Southern African Society for Horticultural Sciences. Midrand, 1996; **6**: 53.

GRIESSEL HM. *The bee-team*. Proceedings of the Cape Pomological Association. Cape Town, 1996.

HONEYBORNE GE. *Chemical restbreaking on "new" apple cultivars*. Proceedings of the Cape Pomological Association. Cape Town, 1996.

JACOBS G, COOK N. *A comparison of the development and release of endodormancy in apple shoots from areas with high and low winter chilling units*. Abstracts of the Southern African Society for Horticultural Sciences. Midrand, 1996; **6**: 27.

LE GRANGE SA, THERON KI, JACOBS G. *The influence of calcium sprays on the distribution of fruit mineral concentration in an apple orchard*. Abstracts of the Southern African Society for Horticultural Sciences. Midrand, 1996; **6**: 61.

LE ROUX C, HUYSAMER M, RABE E. *Effect of preharvest ethrel application and postharvest ethylene degreening on rind colour development and other quality factors during simulated export of 'Nules Clementine' mandarins*. Abstracts of the Southern African Society for Horticultural Sciences. Midrand, 1996; **6**: 51.

OOSTHUYSE SA, JACOBS G. *Flowering synchronization of 'Sensation' mango trees by winter pruning*. Abstracts of the Southern African Society for Horticultural Sciences. Midrand, 1996; **6**: 43.

PENG YH, RABE E. *Improving Satsuma internal fruit quality by girdling techniques*. Abstracts of the Southern African Society for Horticultural Sciences. Midrand, 1996; **6**: 47.

PENG YH, RABE E. *Satsuma fruit internal improvement by deficit irrigation*. Abstracts of the Southern African Society for Horticultural Sciences. Midrand, 1996; **6**: 53.

STRYDOM C, GRIESSEL HM, HUYSAMER M. *Influence of pear nursery tree source on carbohydrate reserve status and growth performance in the orchard*. Abstracts of the Southern African Society for Horticultural Sciences. Midrand, 1996; **6**: 34.

THERON KI, DU PLESSIS P, GRIESSEL HM. *Effect of an autumn application of chlormequat on fruit set and production of 'Doyenné du Comice'*. Cape Pomological Association Symposium Proceedings. Cape Town, 1996.

VILJOEN MM, HUYSAMER M. *The effect of on-tree fruit bagging on 'Fuji' fruit colour and peel pigment composition*. Abstracts of the Southern African Society for Horticultural Sciences. Midrand, 1996; **6**: 51.

VILJOEN MM, HUYSAMER M. *Influence of cold storage and ripening on peel pigment concentrations in five pear cultivars*. Abstracts of the Southern African Society for Horticultural Sciences. Midrand, 1996: 50.

VILJOEN MM, HUYSAMER M. *Seasonal changes in the anthocyanin, chlorophyll and carotenoid concentrations in 'Forelle' pears in four production areas*. Abstracts of the Southern African Society for Horticultural Sciences. Midrand, 1996; **6**: 22.

## **Referate internasionaal/Papers international**

DUSSI MC, HUYSAMER M. *Efectos de la poda de postcosecha en la distribución de luz y en las características de frutos y hojas de dardos de árboles adultos de pera cv. 'Forelle'. (Effect of postharvest pruning on light distribution, and fruit and spur leaf characteristics of mature 'Forelle' pear trees)*. XXI Reunión Argentina de Fisiología. Argentina, 1996.

HUYSAMER M. *Developments in the South African deciduous fruit industry over the past 13 years*. North Victorian Fruit Growers' Association. Shepparton, Australia, 1996.

HUYSAMER M. *Integrating cultivar, rootstock and environment in the export-driven South African deciduous fruit industry*. ISHS Meeting on "Integrating canopy, rootstock and environmental physiology in orchard systems". Wanatchee, USA and Penticton, Canada, 1996.

HUYSAMER M, TAYLOR MA. *Ripening physiology and fruit quality of Santa Rosa and Songold plums, as affected by cold storage*. International Postharvest Sciences Conference. Taupo, New Zealand, 1996.

## **Magister afgehandel/Master's completed**

DU PLESSIS P. *The fruit set of pears with special reference to cv. Doyenné du Comice (Pyrus communis L.)*. M.Sc.Agric., 1996. 130 pp. Magister studieleier: Prof KI Theron/mnr HM Griessel.

EIGHENHUIS WJH. *Performance of different categories of pome fruit nursery trees during the first year in orchards*. M.Sc.Agric., 1996. 115 pp. Magister studieleier: Prof KI Theron/prof G Jacobs.

MOELICH DH. *Evaluation of Cucumis melo fruit maturity and postharvest quality*. M.Sc.Agric., 1996. 74 pp. Magister studieleier: Dr M Huysamer/dr MC Dodd.

VILJOEN MM. *Peel pigmentation studies in apples and pears*. M.Sc.Agric., 1996. 105 pp. Magister studieleier: Dr M Huysamer/dr I Crouch.

## **Projekte lopend/Projects current**

BEUKES MD. *The effect of Chlormequat on bud differentiation and development in pears*. Magister studieleier: Prof KI Theron.

BEYLEVELD B. *Effect of pre-blossom urea sprays on yield parameters and tree health of citrus*. Magister studieleier: Prof E Rabe.

BIRD PW. *Compatibility relationships (anatomical and physiological) of 'Eureka' lemon scions and various rootstocks*. Magister studieleier: Prof E Rabe.

BRINK JE. *'n Studie van die groei en ontwikkeling van Rubus*. Magister studieleier: Prof G Jacobs.

COETZEE H. *Fruit size studies on stone fruit*. Magister studieleier: Prof E Rabe.

COETZEE JH. *Vruggrootte-verbetering by steenvrugte deur middel van blom-uitdunning*. Magister studieleier: Prof KI Theron.

COOK NC. *A study of the correlated growth effect present during a vegetative growth cycle of deciduous fruit tree crops*. Doktorale promotor: Prof E Rabe.

ERWEE SA. *Rind constituents relative to rind maturity and aging in navel orange*. Magister studieleier: Prof E Rabe.

GERBER AI. *Faktore wat blominsiasie en ontwikkeling by geselekteerde Protea cultivars beïnvloed*. Doktorale promotor: Prof G Jacobs.

HETTASCH HB. *Manipulation of the plagiotropic growth habit of Leucospermum*. Magister studieleier: Prof G Jacobs.

IZADYAR A. *A physiological study of the contribution of para- and endo-dormancy to bud inhibition of apple trees*. Doktorale promotor: Prof G Jacobs.

LE ROUX C. *Postharvest fruit physiology of citrus*. Magister studieleier: Dr M Huysamer.

MILLER JE. *Iron stress responses of citrus rootstocks*. Doktorale promotor: Prof E Rabe.

PUNT H. *Tree and fruit quality manipulations in citrus*. Magister studieleier: Prof E Rabe.

STEYN WJ. *Effect of apple nursery tree quality on tree performance in the orchard*. Magister studieleier: Prof KI Theron.

STRYDOM C. *Factors affecting pear (Pyrus communis L.) orchard establishment*. Magister studieleier: Dr M Huysamer.

TUWANA SW. *Fruit size studies in Citrus spp*. Magister studieleier: Prof E Rabe.

VAN ZYL AJJ. *Wortelgroeisiklusse by sitrus onder verskillende besproeiingsstelsels*. Magister studieleier: Prof E Rabe.

## **landbou-ekonomie / agricultural economics**

### **Tydskrifartikels/Journal articles**



COETZEE GK, VINK N. The efficiency and outreach of rural financial institutions. *Agrekon* 1996; **35**(4): 256-260.

CONRADIE BI, ECKERT JB, KLEYNHANS TE, GRIESEL HM. Apple production systems for small-scale farmers in the Western Cape. *Agrekon* 1996; **35**(1): 1-11.

ECKERT JB, HAMMAN JH, LOMBARD JP. Empowering farm workers through equity sharing. *Development Southern Africa* 1996; **13**(5): 693-712.

SCHREINER M, CORTES-FONTCUBERTA M, GRAHAM D, COETZEE GK, VINK N. Discrimination in installment lending by retailers of consumer durables in apartheid South Africa. *Development Southern Africa* 1996; **13**(6): 847-860.

SMIT M, LOMBARD JP. 'n Dinamiese lineêre programmeringsbeplanningsmodel vir gemengde vee-weiding-graanboerderye. [A dynamic linear programming planning model for mixed livestock-grazing-grain farming.] *Agrekon* 1996; **35**(3): 131-140.

### **Verrigtinge internasionaal/Proceedings international**

KLEYNHANS TE. *Contributions from social systems thinking to farm systems research and extension*. Proceedings of the 14th International Symposium on Sustainable Farming Systems. Colombo, Sri Lanka. 1996: TW 4/22 - TW 4/30.

### **Verrigtinge nasionaal/Proceedings national**

LOMBARD JP. *Die benutting van klimatologiese data as voorspellings by besluitnemingsontledings*. Verrigtinge van die Jaarlikse Konferensie van die Boerderybestuursvereniging van Suider-Afrika. Bloemfontein, 1995: 1-8.

LOUW DB, LOMBARD JP. *Geheelboerderybeplanning met behulp van dinamiese lineêre programmering*. Verrigtinge van die Jaarlikse Konferensie van die Boerderybestuursvereniging van Suider-Afrika. Bloemfontein, 1995: 1-14.

SMIT M, LOMBARD JP. *'n Droogtebestuurstrategie vir die vee-saai-boerderygebiede van die Winterreëngebied*. Verrigtinge van die Jaarlikse Konferensie van die Boerderybestuursvereniging van Suider-Afrika. Pietermaritzburg, 1996: 1-11.

### **Referate nasionaal/Papers national**

VINK N. *The outlook for agricultural policy over the next 5 years*. Association for Vegetables under Protection. Stellenbosch, 1996.

VINK N. *Providing rural financial services: The Strauss Commission Report*. Agritech Conference. Pretoria, 1996.

### **Hoofstukke in boeke/Chapters in books**

ECKERT JB. Fifty hectares and freedom: Field crop options for small scale farmers in the Western Cape. In: Lipton Michael, De Klerk M, Lipton Merle,

(eds). *Land, labour and livelihoods in rural South Africa. Volume 1: Western Cape*. Indicator Press, 1996: 245-274.

ECKERT JB, KOOY JJ. Selected small scale livestock options: A preliminary assessment. In: Lipton Michael, De Klerk M, Lipton Merle, (eds). *Land, labour and livelihoods in rural South Africa. Volume 1: Western Cape*. Indicator Press, 1996: 275-288.

ECKERT JB, VAN SEVENTER D, VILJOEN K. Commercial agriculture in the Western Cape: Selected micro and macro perspectives. In: Lipton Michael, De Klerk M, Lipton Merle, (eds). *Land, labour and livelihoods in rural South Africa. Volume 1: Western Cape*. Indicator Press, 1996: 101-116.

GOLINO C, HOBSON S, VINK N. Providing agricultural support. In: Van Zyl J, Kirsten J, Binswanger HP, (eds). *Agricultural land reform in South Africa: Policies, markets and mechanisms*. Oxford University Press, 1996: 497-513.

VINK N, COETZEE GK. Rural finance and rural livelihoods. In: Lipton Michael, De Klerk M, Lipton Merle, (eds). *Land, labour and livelihoods in rural South Africa. Volume 1: Western Cape*. Indicator Press, 1996: 343-352.

VINK N, VAN ZYL J, VAN SEVENTER D, ECKERT JB. The macroeconomics of rural livelihoods creation in the Western Cape province. In: Lipton Michael, De Klerk M, Lipton Merle, (eds). *Land, labour and livelihoods in rural South Africa. Volume 1: Western Cape*. Indicator Press, 1996: 51-70.

## Navorsingsverslae/Research reports

LAUBSCHER J. *Investigation of the financial viability of the envisaged irrigation scheme regarding the Doring River in the Northern Cape Province*. In: Government of the Northern Cape Province, Doringrivier Agricultural Project, Kimberley, 1996. 80 pp.

LAUBSCHER J. *Ondersoek na die finansiële lewensvatbaarheid van die beoogde besproeiingsprojek van die Titusrivier Besproeiingsraad*. Titusrivier Besproeiingsraad, Ceres, 1996. 58 pp.

LAUBSCHER J. *The social environment*. Agrifutura 1995/96, Institute for Futures Research, US, 1996: 2-3 - 2-56.

LOMBARD JP, HALDENWANG B, UYS HJE, VAN DER MERWE AJ. *Physical-biological environment*. Agrifutura 1995/96, Institute for Futures Research, US, 1996: 5-3 - 5-23.

MYBURGH AS. *Food systems in low income urban communities: Informal trade in fruit and vegetables in squatter areas and informal settlements on the Cape flats*. Departement Landbou-ekonomie, US, 1996. 41 pp.

## Magister afgehandel/Master's completed

LE ROUX T. *Besproeiingsboerdery in die Villiersdorp-vallei met spesiale verwysing na die impak van die Elandskloofdam*. M.B.A., 1996. 85 pp. Studieleier: Prof J Laubscher.

LOUW DB. *Die ontwikkeling van 'n geheelboerderybeplanningsmodel met behulp van dinamiese lineêre programmering vir die vee-kleingraan-*

*weidingsgebiede van die Suid-Kaap*. M.Sc.Agric. cum laude, 1996. 173 pp.  
Studieleier: Dr JP Lombard.

## Projekte lopend/Projects current

LAUBSCHER J. *Ondernemingsvorme vir 'nuwe toetreders' tot kommersiële boerdery in Suid-Afrika. (Enterprise forms for 'new entrants' to commercial farming in South Africa.)*

LAUBSCHER J. *Vergoedingstelsels vir landbou-arbeid. (Compensation systems for agricultural labour).*

VAN DER SPUY AL. *Die ontwikkeling van 'n volhoubare suiwelstelsel binne die boerderystelsels van die Swartland. (The development of a sustainable dairy system within the farming systems of the Swartland.)* Magister studieleier: Prof J Laubscher.

VILJOEN HC. *Landelike ontwikkelingskommunikasie met spesifieke verwysing na die klein- en bestaansboere as teikengroep. (Rural development communication with specific reference to small and subsistence farmers as target group.)* Doktorale promotor: Prof J Laubscher.

VINK N, KLEYNHANS TE. *Agrifutura projek. (Agrifutura project.)*

VISSER CH. *Implications of GATT membership and market liberalisation on profitability of selected agricultural enterprises.* Magister studieleier: Dr AS Myburgh.

WRITES HJ. *'n Landbou-ontwikkelingsplan vir Eksteenskuil met spesifieke verwysing na struktuuraanpassings.* Magister studieleier: Dr JP Lombard.

## mikrobiologie / microbiology

### Tydskrifartikels/Journal articles

BÖHME HM, MELLETT FD, DICKS LMT, BASSON DS. Production of salami from ostrich meat with strains of *Lactobacillus sake*, *Lactobacillus curvatus* and *Micrococcus* sp. *Meat Science* 1996; **44**: 173-180.

CAMPBELL GF, JANSE BJH, MARAIS GF, CROUS PW. Only one species of *Ramulispora* is associated with eyespot disease of wheat in South Africa. *South African Journal of Science* 1995; **91**: 29-33.

CROUS JM, PRETORIUS IS, VAN ZYL WH. Cloning and expression of the  $\alpha$ -L-arabinofuranosidase gene (*ABF2*) of *Aspergillus niger* in *Saccharomyces cerevisiae*. *Applied Microbiology and Biotechnology* 1996; **46**: 256-260.

DICKS LMT, DU PLESSIS EM, DELLAGLIO F, LAUER E. Reclassification of *Lactobacillus casei* subsp. *casei* ATCC 393 and *Lactobacillus rhamnosus* ATCC 15820 as *Lactobacillus zeae* nom. rev., designation of ATCC 334 as the neotype of *L. casei* subsp. *casei*, and rejection of the name *Lactobacillus paracasei*. *International Journal of Systematic Bacteriology* 1996; **46**: 337-340.

DU PLESSIS EM, DICKS LMT, VESCOVO M, TORRIANI S. *Lactobacillus acidophilus* and related species: A review. *Annali di Microbiologia ed Enzimologia* 1996; **46**: 319-340.

KLEIN G, DICKS LMT, PACK A, HACK B, ZIMMERMANN K, DELLAGLIO F, REUTER G. Emended descriptions of *Lactobacillus sake* (Katagiri, Kitahara, and Fukami) and *Lactobacillus curvatus* (Abo-Elnaga and Kandler): Numerical classification revealed by protein-fingerprinting and identification based on biochemical patterns and DNA-DNA hybridizations. *International Journal of Systematic Bacteriology* 1996; **46**: 367-376.

LA GRANGE DC, PRETORIUS IS, VAN ZYL WH. Expression of a *Trichoderma reesei*  $\beta$ -xylanase gene (XYN2) in *Saccharomyces cerevisiae*. *Applied and Environmental Microbiology* 1996; **62**: 1036-1044.

LAMBRECHTS MG, BAUER F, MARMUR J, PRETORIUS IS. Muc1, a mucin-like protein that is regulated by Mss10, is critical for pseudohyphal differentiation in yeast. *Proceedings of the National Academy of Sciences USA (PNAS)* 1996; **93**: 8419-8424.

LAMBRECHTS MG, SOLLITTI P, MARMUR J, PRETORIUS IS. A multicopy suppressor gene, *mss10*, restores *STA2* expression in *Saccharomyces cerevisiae*. *Current Genetics* 1996; **29**: 523-529.

MOES JC, PRETORIUS IS, VAN ZYL WH. Cloning of the *Clostridium thermosulfurogenes* xylose isomerase gene (*xyIA*) in *Saccharomyces cerevisiae*. *Biotechnology Letters* 1996; **18**: 269-274.

PRINS R, MARAIS GF, JANSE BJH, PRETORIUS ZA, MARAIS AS. A physical map of the *Thinopyrum*-derived Lr19 translocation. *Genome* 1996; **39**: 1013-1019.

STEYN AJC, MARMUR J, PRETORIUS IS. Cloning, mapping and characterization of a genomic copy of the *Lipomyces kononenkoae*  $\alpha$ -amylase-encoding gene (*LKA1*). *Yeast* 1996; **12**: 925-937.

TORRIANI S, VAN REENEN CA, KLEIN G, REUTER G, DELLAGLIO F, DICKS LMT. *Lactobacillus curvatus* subsp. *curvatus* subsp. nov. and *Lactobacillus curvatus* subsp. *melibiosus* subsp. nov. and *Lactobacillus sake* subsp. *sake* subsp. nov. and *Lactobacillus sake* subsp. *carnosus* subsp. nov., new subspecies of *Lactobacillus curvatus* Abo-Elnaga and Kandler 1965 and *Lactobacillus sake* Katagiri, Kitahara, and Fukami 1934 (Klein et al. 1996, emended descriptions), respectively. *International Journal of Systematic Bacteriology* 1996; **46**: 1158-1163.

VAN REENEN CA, DICKS LMT. Evaluation of numerical analysis of random amplified polymorphic DNA (RAPD)-PCR as a method to differentiate *Lactobacillus plantarum* and *Lactobacillus pentosus*. *Current Microbiology* 1996; **32**: 183-187.

VAN RENSBURG P, VAN ZYL WH, PRETORIUS IS. Co-expression of a *Phanerochaete chrysosporium* cellobiohydrolase gene and a *Butyrivibrio fibrisolvens* endo- $\beta$ -1,4-glucanase gene in *Saccharomyces cerevisiae*. *Current Genetics* 1996; **30**: 246-250.

ZHAO J, DE KOKER TH, JANSE BJH. Comparative studies of lignin peroxidase and manganese-dependent peroxidases produced by selected white rot fungi in solid media. *FEMS Microbiology Letters* 1996; **145**: 393-399.

ZHAO J, JANSE BJH. Comparison of H<sub>2</sub>O<sub>2</sub>-producing enzymes in selected white rot fungi. *FEMS Microbiology Letters* 1996; **139**: 215-221.

### **Verrigtinge internasionaal/Proceedings international**

VAN VUUREN HJJ, VILJOEN M, GROBLER J, VOLSCHEK H, BAUER F, SUBDEN RE. *Genetic analysis of the Schizosaccharomyces pombe malate permease (mae1) and malic enzyme (mae2) genes and their expression in Saccharomyces cerevisiae*. Oenology 95. Paris, 1996: 1-683.

### **Referate internasionaal/Papers international**

DICKS LMT. *Characterization of a broad-spectrum antimicrobial peptide produced by Lactobacillus casei*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

DICKS LMT, VAN JAARSVELD DE. *Evaluation of malolactic bacteria in South African wines and interaction with wine yeast*. Food Micro '96, 16th International Symposium of the International Committee on Food Microbiology and Hygiene (ICFMH). Budapest, Hungary, 1996.

DICKS LMT, VAN REENEN CA, GREEN G. *Control of bacterial spoilage in wine with natural antimicrobial peptides produced by lactic acid bacteria*. 76th General Assembly of the OIV. Cape Town, 1996.

DICKS LMT, VAN REENEN CA, GREEN G. *Control of bacterial spoilage in wine with natural antimicrobial peptides produced by lactic acid bacteria*. Food Micro '96, 16th International Symposium of the International Committee on Food Microbiology and Hygiene (ICFMH). Budapest, Hungary, 1996.

DICKS LMT, VAN REENEN CA, TORRIANI S. *Evaluation of RAPD-PCR as a method to differentiate Lactobacillus spp.* Food Micro '96, 16th International Symposium of the International Committee on Food Microbiology and Hygiene (ICFMH). Budapest, Hungary, 1996.

DU PREEZ JC, PRETORIUS IS, DE KOCK SH, VIVIER MA. *Ethanol production from starch using yeasts*. 9th International Symposium on Yeasts. Sydney, Australia, 1996.

GREEN G, CSALAMI I, DICKS LMT, BRUGGEMAN G, VEKEMANS N, VANDAMME EJ, CHIKINDAS ML. *Pediocin PD-1, produced by Pediococcus damnosus*. 5th Symposium on Lactic Acid Bacteria. Genetics, Metabolism and Applications. Veldhoven, The Netherlands, 1996.

HOLZAPFEL WH, SCHILLINGER U, DU TOIT M, DICKS LMT. *Systematics of probiotic lactic acid bacteria with reference to modern phenotypic and genomic methods*. Probiotics '96 International Symposium, Probiotics in Man and Animal. Berlin, Germany, 1996.

JANSE BJH, DE KOKER TH, ZHAO J, GASKELL J, CULLEN D. *Molecular characterization of Phanerochaete chrysosporium strains isolated in South*

Africa. Congress of Genetics and Molecular Biology of Industrial Microorganisms. Bloomington, USA, 1996.

JANSE BJH, GASKELL J, CULLEN D. *Detection of transposon-like elements in South African isolates of Phanerochaete chrysosporium*. Congress of Genetics and Molecular Biology of Industrial Microorganisms. Bloomington, USA, 1996.

KRITZINGER R, DICKS LMT, CHIKINDAS ML. *Characterization of the bacteriocin PD-1, produced by Pediococcus damnosus*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

LA GRANGE DC, PRETORIUS IS, VAN ZYL WH. *Cloning and co-expression of xylan-degrading genes in yeast*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

LAMBRECHTS MG, PRETORIUS IS. *A mucin-like gene involved in cell aggregation*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

LAMBRECHTS MG, PRETORIUS IS. *A mucin-like gene involved in cell aggregation*. 9th International Symposium on Yeasts. Sydney, Australia, 1996.

LAMBRECHTS MG, PRETORIUS IS. *Co-regulation of starch degradation and pseudohyphae formation in Saccharomyces cerevisiae*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

LAMBRECHTS MG, PRETORIUS IS. *Co-regulation of starch degradation and dimorphism in the yeast Saccharomyces cerevisiae*. 9th International Symposium on Yeasts. Sydney, Australia, 1996.

MULLINS C, DICKS LMT, TORRIANI S, DU TOIT M, MELLETT FD, BÖHME HM. *Bacteriocin-producing strains of Lactobacillus sake and Lactobacillus curvatus as starter cultures in the production of ostrich meat salami*. Food Micro '96, 16th International Symposium of the International Committee on Food Microbiology and Hygiene (ICFMH). Budapest, Hungary, 1996.

PRETORIUS IS, VAN RENSBURG P, LAMBRECHTS MG, VIVIER MA, VAN ZYL WH. *Genetic improvement of proteolytic and polysaccharolytic wine yeasts*. 11th International Oenological Symposium. Sopron, Hungary, 1996.

STEYN AJC, PRETORIUS IS. *Cloning, mapping and expression of cDNA and genomic copies of the Lipomyces kononenkoae  $\alpha$ -amylase-encoding gene in Saccharomyces cerevisiae and Schizosaccharomyces pombe*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

STEYN AJC, PRETORIUS IS. *Cloning, mapping and expression of the Lipomyces kononenkoae  $\alpha$ -amylase-encoding gene in Saccharomyces cerevisiae and Schizosaccharomyces pombe*. 9th International Symposium on Yeasts, Sydney, Australia, 1996.

SUBDEN RE, VAN VUUREN HJJ. *The construction of wine yeasts capable of a malo-lactic or malo-ethanolic fermentation*. 4th Cool Climate Symposium of the American Society of Enology and Viticulture. Rochester, NY, USA, 1996.

TORRIANI S, DICKS LMT, VAN REENEN CA, DELLAGLIO F, KLEIN G. *Differentiation of Lactobacillus sake, Lactobacillus curvatus and Lactobacillus bavaricus by numerical analysis of RAPD-PCR*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

VAN DER WESTHUIZEN TJ, PRETORIUS IS. *Genetic diversity and geographic distribution of indigenous Saccharomyces cerevisiae strains in the wine-producing areas of the Western Cape in South Africa*. 9th International Symposium on Yeasts. Sydney, Australia, 1996.

VAN REENEN CA, DICKS LMT, CHIKINDAS ML. *Genetic characterization of a pediocin-like bacteriocin produced by Lactobacillus plantarum*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

VAN REENEN CA, VERELLEN TLJ, BRUGGEMAN G, DICKS LMT, VANDAMME EJ, CHIKINDAS ML. *Preliminary characterization and optimization of plantaricin 423, a pediocin-like bacteriocin produced by Lactobacillus plantarum*. 5th Symposium on Lactic Acid Bacteria. Genetics, Metabolism and Applications, Veldhoven. The Netherlands, 1996.

VAN RENSBURG P, VAN ZYL WH, PRETORIUS IS. *Co-expression of heterologous genes encoding endo- $\beta$ -glucanase, cellobiohydrolase, cellodextrinase and cellobiase in Saccharomyces cerevisiae*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

VAN RENSBURG P, VAN ZYL WH, PRETORIUS IS. *Co-expression of heterologous genes encoding endo- $\beta$ -glucanase, cellobiohydrolase, cellodextrinase and cellobiase in Saccharomyces cerevisiae*. 9th International Symposium on Yeasts. Sydney, Australia, 1996.

VAN VUUREN HJJ, VOLSCHENK H, VILJOEN M, GROBLER J, BAUER F, SUBDEN RE, DENAYROLLES M, LONVAUD A. *Malolactic fermentation in grape musts by a genetically engineered strain of Saccharomyces cerevisiae*. 4th Cool Climate Symposium of the American Society of Enology and Viticulture. Rochester, NY, USA, 1996.

VAN VUUREN HJJ, VOLSCHENK H, VILJOEN M, GROBLER J, BAUER F, SUBDEN RE, DENAYROLLES M, LONVAUD A. *Malolactic fermentation in grape musts by a genetically engineered strain of Saccharomyces cerevisiae*. 9th International Specialized Symposium on Yeast. Sydney, Australia, 1996.

VERELLEN TLJ, VAN REENEN CA, BRUGGEMAN G, DICKS LMT, VANDAMME EJ. *Fermentation optimization of a pediocin-like bacteriocin produced by Lactobacillus plantarum strain 423*. 10th Forum for Applied Biotechnology. Brugge, Belgium, 1996.

WEYERS JB, VAN ZYL WH, BRÖZEL VS. *Characterisation of the phenotypic and genotypic response of Pseudomonas aeruginosa PAO directly following attachment.* American Society of Microbiology Conference on Microbial Biofilms. Utah, USA, 1996.

## Referate nasionaal/Papers national

AFRICANDER NL, VAN ZYL WH, BRÖZEL VS. *Evaluation of Pseudomonas putida and P. aeruginosa as potential bioindicator organisms for the detection of specific heavy metals.* 8th Biennial Congress of the South African Society of Microbiology. Pretoria, 1996.

ALLSOP SF, THOMAS S, ZHAO J, JANSE BJH. *Lipase activity of white rot fungi.* 34th Congress of the South African Society for Plant Pathology. Stellenbosch, 1996.

CARSTENS E, LAMBRECHTS MG, PRETORIUS IS. *Flocculation in wine yeasts.* 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

CARSTENS E, LAMBRECHTS MG, PRETORIUS IS. *Pseudohyphal development and invasive growth by wine yeasts.* 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

CROUS PW, THERON L, VAN ZYL WH. *A comparison of Cylindrocladium spp. with 1-3-septate conidia and clavate vesicles.* 34th Congress of the South African Society for Plant Pathology. Stellenbosch, 1996.

DE KOKER TH, JANSE BJH, GASKELL J, CULLEN D. *Detection of transposon-like elements in South African isolates of Phanerochaete chrysosporium.* 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

DE KOKER TH, ZHAO J, GASKELL J, CULLEN D, JANSE BJH. *Molecular characterization of South African isolates of Phanerochaete chrysosporium.* 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

DE KOKER TH, ZHAO J, JANSE BJH. *Peroxidases of Phanerochaete chrysosporium strains isolated in South Africa.* 34th Congress of the South African Society for Plant Pathology. Stellenbosch, 1996.

DICKS LMT. *Characterization of a broad-spectrum antimicrobial peptide produced by Lactobacillus casei.* 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

DICKS LMT. *Lactic acid bacteria, man's best friend.* Meeting of the South African Society for Dairy Technology. Stellenbosch, 1996.

DICKS LMT, VAN REENEN CA, TORRIANI S. *New subspecies described for Lactobacillus sake and Lactobacillus curvatus, and rejection of the name Lactobacillus bavaricus.* 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

DU TOIT M, HABERER P, AHRENS F, DICKS LMT, HOLZAPFEL WH. *Preliminary minipig feeding trial with probiotic lactobacilli.* 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.



HAARHOFF J, ALLSOP SF, DE KOKER TH, ZHAO J, JANSE BJH. *Isolation and characterization of wood rotting fungi from indigenous forests*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

HAARHOFF J, ALLSOP S, ZHAO J, JANSE BJH. *Characterisation of hemicellulases produced by a thermophilic fungus*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

HAARHOFF J, ALLSOP SF, ZHAO J, JANSE BJH. *Characterization of hemicellulases produced by a thermophilic fungus*. 34th Congress of the South African Society for Plant Pathology. Stellenbosch, 1996.

HAARHOFF J, ZHAO J, VAN ZYL WH, CULLEN D, JANSE BJH. *Construction of an expression/secretion cassette for use in Phanerochaete chrysosporium*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, South Africa, 1996.

LA GRANGE DC, MOES CJ, PRETORIUS IS, VAN ZYL WH. *Heterologous production of xylan-utilising enzymes in yeast*. 9th Biennial Congress of the South African Society of Microbiology. Pretoria, 1996.

LAMBRECHTS MG, PRETORIUS IS. *Co-regulation of starch degradation and pseudohyphae formation in Saccharomyces cerevisiae*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

LAMBRECHTS MG, PRETORIUS IS. *Yeast cell differentiation in response to nutritional signals*. 1st UK-RSA Symposium on Cell Growth Control. Cape Town, 1996.

MARÉ L, DICKS LMT, VAN DER WALT ML. *Phage typing of Salmonella enterica serovar enteritidis in South Africa: 1991-1995*. Bushpath '96, Federation of South African Societies of Pathology. Kruger National Park, 1996.

MARÉ L, VAN DER WALT ML, DICKS LMT. *Plasmid profiles of Salmonella enteritica serovar enteritidis in South Africa*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

PRETORIUS IS. *The yeast genome: Mapping, sequencing and functional analysis*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

SCHOEMAN H, VIVIER MA, DICKS LMT, PRETORIUS IS. *Expression of the Pediococcus acidilactici pediocin gene in Saccharomyces cerevisiae*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

SPANGENBERG HC, VAN ROOIJEN M, DICKS LMT. *The effect of biocides on EPS (exopolysaccharide-producing)- strains of Pseudomonas and Bacillus spp.* 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

STEYN AJC, PRETORIUS IS. *Cloning, mapping and expression of cDNA and genomic copies of the Lipomyces kononenkoae  $\alpha$ -amylase-encoding gene in Saccharomyces cerevisiae and Schizosaccharomyces pombe*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

VAN DER MERWE GK, VAN VUUREN HJJ, COOPER TG. *Transcriptional regulation of the DAL1 and DAL4 genes in Saccharomyces cerevisiae*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

VAN RENSBURG P, VAN ZYL WH, PRETORIUS IS. *Co-expression of heterologous genes encoding endo- $\beta$ -glucanase, cellobiohydrolase, cellodextrinase and cellobiase in Saccharomyces cerevisiae*. 8th Biennial Congress of the South African Society of Microbiology. Pretoria, 1996.

VAN RENSBURG P, VAN ZYL WH, PRETORIUS IS. *Expression of different cellulase cassettes in Saccharomyces cerevisiae*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

VERELLEN TLJ, VAN REENEN CA, DICKS LMT, BRUGGEMAN G, VANDAMME EJ. *Plantaricin 423 - characterization and fermentation optimization*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

VICTOR D, CROUS PW, JANSE BJH, WINGFIELD MJ. *Variation within the Cylindrocladium floridanum species complex*. 34th Congress of the South African Society for Plant Pathology. Stellenbosch, 1996.

VICTOR D, CROUS PW, JANSE BJH, WINGFIELD MJ, VAN ZYL WH. *Molecular assessment of species complexes within Cylindrocladiella*. 8th Biennial Congress of the South African Society of Microbiology. Pretoria, 1996.

VILJOEN M, LIAO SM, ZHANG J, JEFFREY DA, KOLESKE AJ, THOMPSON CM, CHAO DM, VAN VUUREN HJJ, YOUNG RA. *A kinase-cyclin pair involved in phosphorylation of the RNA polymerase II CTD in Saccharomyces cerevisiae*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

VILJOEN M, VOLSCHENK H, SUBDEN RE, YOUNG RA, VAN VUUREN HJJ. *Transcriptional regulation of the malic enzyme gene (mae2) of Schizosaccharomyces pombe*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

VIVIER MA, PRETORIUS IS. *A second signal recognition event enhances secretion of the STA2-encoded glucoamylase into the culture medium*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

VIVIER MA, PRETORIUS IS. *Purification of the STA2-encoded glucoamylase from Saccharomyces cerevisiae to determine the N-terminus and study the glycosylation patterns*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

VOLSCHENK H, VILJOEN M, GROBLER J, BAUER F, SUBDEN RE, DENAYROLLES M, LONVAUD A, VAN VUUREN HJJ. *Engineering pathways for malate degradation in Saccharomyces cerevisiae*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

WEBBER AL, LAMBRECHTS MG, PRETORIUS IS. *Multiple copies of MSS10 and MSS11 induce glucoamylase production and invasive growth in Saccharomyces cerevisiae*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

WEYERS JB, VAN ZYL WH, BRÖZEL VS. *Identification of attachment specific promoters in Pseudomonas aeruginosa PAOI*. 8th Biennial Congress of the South African Society of Microbiology. Pretoria, 1996.

ZERBST-MULLER RR, PLÜDDEMANN A, VAN ZYL WH. *Expression of hepatitis B surface antigen (HBsAg) and HIV-gp41 immuno-dominant epitope in Saccharomyces cerevisiae*. 8th Biennial Congress of the South African Society of Microbiology. Pretoria, 1996.

ZHAO J, JANSE BJH. *H<sub>2</sub>O<sub>2</sub>-producing enzymes in selected white rot fungi*. The 34th Congress of the South African Society for Plant Pathology. Stellenbosch, 1996.

ZHAO J, JANSE BJH. *Lignin-degrading enzymes in white rot fungi*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

### **Patente/Patents**

SUBDEN RE, GROBLER J, PRETORIUS IS, KRIZUS A, OSOTHSILP-EKANAMUL C, VAN VUUREN HJJ. *A method and nucleotide sequence for transforming microorganisms (Short title: Wine yeast)*. SA Patent No 96/3971, 1996.

### **Doktoraal afgehandel/Doctoral completed**

LAMBRECHTS MG. *Co-regulation of starch degradation and dimorphism in the yeast Saccharomyces cerevisiae*. Ph.D. (Agric.), 1996. 168 pp. Promotor: Prof IS Pretorius.

### **Magister afgehandel/Master's completed**

LUTTIG M. *Molecular cloning of two  $\beta$ -xylanase genes from the fungus Aspergillus niger and their expression in the yeast Saccharomyces cerevisiae*. M.Sc., 1996. 88 pp. Studieleier/medestudieleier: Prof WH van Zyl/prof IS Pretorius.

MAJARA MMS. *The importance of trehalose in determining the vitality of brewers' yeast*. M.Sc., 1996. 116 pp. Studieleier/medestudieleier: Prof WH van Zyl/prof B Axcell.

MOES CJ. *Molecular cloning and expression of heterologous genes encoding xylose-utilizing enzymes in the yeast Saccharomyces cerevisiae*. M.Sc. cum laude, 1996. 125 pp. Studieleier/medestudieleier: Prof WH van Zyl/prof IS Pretorius.

VOLSCHENK H. *Engineering pathways for malate metabolism in Saccharomyces cerevisiae*. M.Sc. cum laude, 1996. 149 pp. Studieleier: Prof HJJ van Vuuren.

### **Projekte lopend/Projects current**

AFRICANDER NL. *Construction of a bioindicator for the rapid in situ detection of polychlorinated biphenyls*. Magister studieleier/medestudieleier: Prof VS Brözel/prof WH van Zyl.

BENCE JK. *Characterization of a low-molecular weight antimicrobial compound isolated from a Lactobacillus species*. Magister studieleier: Prof LMT Dicks.

BIHL GG. *Regulation of the TPS1/GGS1 gene in Saccharomyces cerevisiae*. Magister studieleier: Prof HJJ van Vuuren.

BURGER JH. *Characterization of Lactobacillus plasmids*. Magister studieleier: Prof LMT Dicks.

CARSTENS E. *Flocculance and dimorphism in wine yeasts*. Magister studieleier/medestudieleier: Prof IS Pretorius/dr MG Lambrechts.

D'AGUANNO VS. *Regulation of the glucoamylase multigene family in Saccharomyces cerevisiae*. Doktorale promotor: Prof IS Pretorius.

DE ASCENSAO A. *Cloning and characterization of the PGIP gene from Vitis vinifera for biological control against Botrytis cinerea infections*. Doktorale promotor: Prof IS Pretorius.

DE KOCK SL. *Control of postharvest decay of fruit by means of antagonistic microorganisms*. Doktorale promotor: Prof WH van Zyl.

DE KOKER TH. *Characterization of white rot fungi isolated in South Africa*. Doktorale promotor: Dr BJH Janse.

DE VILLIERS M. *Genetic breeding of cultivar-specific wine yeasts*. Magister studieleier: Prof IS Pretorius.

DOLLEY LA. *Evaluation of bacteriocin activity in the genus Propionibacterium*. Doktorale promotor/medepromotor: Prof TJ Britz/prof LMT Dicks.

DU TOIT M. *A taxonomic study on lactic acid bacteria isolated from animals and an investigation towards their probiotic properties*. Doktorale promotor: Prof LMT Dicks.

GAGIANO M. *cis-Acting elements involved in the transcriptional control of the glucoamylase and mucin genes from Saccharomyces cerevisiae*. Magister studieleier: Prof IS Pretorius.

GOVINDEN R. *Genetic manipulation of Pichia stipitis for improved ethanol production from D-xylose*. Doktorale promotor/medepromotor: Prof B Pillay/prof WH van Zyl.

GREEN G. *Characterization of a pediocin produced by Pediococcus damnosus isolated from beer*. Magister studieleier: Prof LMT Dicks.

HAARHOFF J. *Phanerochaete chrysosporium as a model basidiomycete for selective wood degradation*. Magister studieleier: Dr BJH Janse.

HOUGH M. *Engineering pathways for fumarate degradation in Saccharomyces cerevisiae*. Magister studieleier: Prof HJJ van Vuuren.

JOLLY NP. *Characterization, evaluation and use of non-Saccharomyces cerevisiae yeast strains isolated from vineyards and must*. Doktorale promotor: Prof IS Pretorius.

KHAN W. *Geographical distribution, characterization and evaluation of Saccharomyces cerevisiae strains isolated from South African vineyards.* Magister studieleier/ medestudieleier: Prof IS Pretorius/dr MG Lambrechts.

KRITZINGER R. *Characterization of the genes coding for the production of pediocin PD-1.* Magister studieleier: Prof LMT Dicks.

LA GRANGE DC. *Genetic engineering of the yeast Saccharomyces cerevisiae to degrade xylan.* Doktorale promotor: Prof WH van Zyl.

LODOLO EJ. *Effect of oxygen in wort on fermentation performance of Saccharomyces cerevisiae AJL2036.* Doktorale promotor: Prof HJJ van Vuuren.

MARÉ L. *Epidemiological associations between Salmonella serovar enteritidis isolates in South Africa.* Magister studieleier: Prof LMT Dicks.

MOGASHOA MM. *Construction and expression of a polysaccharase gene cassette in Saccharomyces cerevisiae.* Magister studieleier: Prof IS Pretorius.

PETERSEN SH. *Genetic engineering of Saccharomyces cerevisiae for the degradation of polysaccharides.* Magister studieleier/medestudieleier: Prof IS Pretorius/prof WH van Zyl.

PLÜDDEMANN A. *The molecular cloning and differential expression of Hepatitis B viral protein-encoding genes in the yeast Saccharomyces cerevisiae.* Magister studieleier: Prof WH van Zyl.

ROTH RL. *Molecular cloning, manipulation and expression of the laccase gene (lacA) of Pleurotus ostreatus in Saccharomyces cerevisiae.* Magister studieleier: Prof WH van Zyl.

SCHOEMAN H. *Expression of the Pediococcus acidilactici pediocin gene in Saccharomyces cerevisiae.* Magister studieleier/medestudieleier: Prof IS Pretorius/prof LMT Dicks.

SETATI ME. *Cloning and characterization of the  $\beta$ -mannanase gene of an Aspergillus species.* Magister studieleier: Prof WH van Zyl.

STANLEY L. *Breeding of cultivar-specific wine yeasts.* Magister studieleier: Prof IS Pretorius.

STEGER C. *Breeding of wine yeasts for brandy production.* Magister studieleier: Prof IS Pretorius.

STEVENS L. *The molecular cloning and expression of the African horsesickness VP7 viral gene in the yeast Saccharomyces cerevisiae.* Magister studieleier: Prof WH van Zyl.

STRATIOTIS AL. *Cloning of pediocin PD-1 into Lactobacillus casei LHS.* Magister studieleier: Prof LMT Dicks.

VAN DER MEER LJ. *Molecular characterization of Leuconostoc oenos bacteriophage L10.* Doktorale promotor: Prof HJJ van Vuuren.

VAN DER MERWE GK. *Dissection of regulatory sequences responsible for induced expression of the allantoinase (DAL 1) gene in Saccharomyces cerevisiae*. Doktorale promotor: Prof HJJ van Vuuren.

VAN DER WESTHUIZEN TJ. *Characterization, evaluation and genetic improvement of wine yeast strains isolated from vineyards*. Doktorale promotor: Prof IS Pretorius.

VAN REENEN CA. *Characterization of a pediocin-like bacteriocin produced by a Lactobacillus sp. isolated from fermented sorghum beer*. Doktorale promotor: Prof LMT Dicks.

VAN RENSBURG P. *Cloning, characterization and expression of cellulase-encoding genes in Saccharomyces cerevisiae*. Doktorale promotor/medepromotor: Prof IS Pretorius/prof WH van Zyl.

VILJOEN E. *Development of wine yeast with antifungal activity*. Magister studieleier: Prof IS Pretorius.

VILJOEN M. *Transcriptional regulation of the Schizosaccharomyces pombe malic enzyme (mae2) gene*. Doktorale promotor: Prof HJJ van Vuuren.

VISSER JJ. *The cloning and expression of a Lactobacillus plantarum urease gene in wine yeast*. Magister studieleier: Prof HJJ van Vuuren.

VIVIER MA. *Transcriptional control and translational initiation of the STA2 glucoamylase gene from Saccharomyces cerevisiae*. Doktorale promotor: Prof IS Pretorius.

YOUNG PR. *Construction of genomic libraries of Vitis vinifera and subsequent screening for essential enzymes in sugar metabolism*. Magister studieleier: Prof IS Pretorius.

WEBBER AL. *Co-regulation of starch degradation and pseudohyphal growth in Saccharomyces cerevisiae*. Magister studieleier: Prof IS Pretorius.

WEYERS JB. *The identification of attachment - specific promoters in Pseudomonas aeruginosa PAO*. Magister studieleier/medestudieleier: Dr VS Brözel/prof WH van Zyl.

ZERBST-MÜLLER RR. *The molecular cloning and expression of human viral protein-encoding genes in the yeast Saccharomyces cerevisiae*. Magister studieleier: Prof WH van Zyl.

## **plantpatologie / plant pathology**

### **Tydskrifartikels/Journal articles**

BOSHOFF WHP, SWART WJ, PRETORIUS ZA, LIEBENBERG MM, CROUS PW. Isozyme variability among isolates of *Phaeoisariopsis griseola* in southern Africa. *Plant Pathology* 1996; **45**(2): 344-349.

CAMPBELL GF, JANSE BJH, MARAIS GF, CROUS PW. Only one species of *Ramulispora* is associated with eyespot disease of wheat in South Africa. *South African Journal of Science* 1996; **92**(1): 29-34.

- CROUS PW, BRAUN U. Cercosporoid fungi from South Africa. *Mycotaxon* 1996; **57**(1): 233-321.
- CROUS PW, BRAUN U. Notes on cercosporoid fungi occurring on *Dodonaea* spp. *South African Journal of Botany* 1996; **62**(5): 247-249.
- CROUS PW, GAMS W, WINGFIELD MJ, VAN WYK PS. *Phaeoacremonium* gen. nov. associated with wilt and decline diseases of woody hosts and human infections. *Mycologia* 1996; **88**(5): 786-796.
- CROUS PW, PEERALLY A. *Gliocladiopsis irregulare* sp. nov. and notes on *Cylindrocladium spathiphylli*. *Mycotaxon* 1996; **58**(2): 119-128.
- CROUS PW, SEIFERT KA, CASTAÑEDA RUIZ. Microfungi associated with *Podocarpus* leaf litter in South Africa. *South African Journal of Botany* 1996; **62**(2): 89-98.
- CROUS PW, WINGFIELD MJ. Species of *Mycosphaerella* and their anamorphs associated with leaf blotch disease of *Eucalyptus* in South Africa. *Mycologia* 1996; **88**(3): 441-458.
- LOUW JP, CROUS PW, HOLZ G. Relative importance of the barley net blotch pathogens *Pyrenophora teres* f. *teres* (net-type) and *P. teres* f. *maculata* (spot-type) in South Africa. *African Plant Protection* 1996; **2**(2): 89-95.
- ROBBERTSE B, CROUS PW, HOLZ G. Resistance of wheat genotypes to *Ramulispora herpotrichoides* in South Africa. *African Plant Protection* 1996; **2**(1): 45-49.
- ROBBERTSE B, HOLZ G, CROUS PW. Sensitivity of South African *R. herpotrichoides* isolates to carbendazim and ergosterol biosynthesis inhibitors. *Plant Pathology* 1996; **45**(2): 270-275.
- SMITH H, WINGFIELD MJ, CROUS PW, COUTINHO TA. *Sphaeropsis sapinea* and *Botryosphaeria dothidea* endophytic in *Pinus* spp. and *Eucalyptus* spp. in South Africa. *South African Journal of Botany* 1996; **62**(2): 86-88.
- SPOTTS RA, HOLZ G. Adhesion and removal of conidia of *Botrytis cinerea* and *Penicillium expansum* from grape and plum fruit surfaces. *Plant Disease* 1996; **80**(6): 688-691.
- SUTTON BC, SHAMOUN SF, CROUS PW. Two leaf pathogens of *Ribes* spp. in North America, *Quasiphloeospora saximontanensis* and *Phloeospora ribis*. *Mycological Research* 1996; **100**(8): 979-983.
- VAN DER WESTHUIZEN K, WINGFIELD MJ, YAMAOKA Y, KEMP GHJ, CROUS PW. A new species of *Ophiostoma* with a *Leptographium* anamorph from Larch in Japan. *Mycological Research* 1995; **99**(11): 1334-1338.
- WINGFIELD MJ, CROUS PW, BODEN K. *Kirramyces destructans* sp. nov., a serious leaf pathogen of *Eucalyptus* in Indonesia. *South African Journal of Botany* 1996; **62**(6): 325-327.

## Referate nasionaal/Papers national

BOTES WM, SWART WJ, CROUS PW. *Frequencies of fungal endophytes isolated from pine needles in South Africa*. Annual Meeting of the American Phytopathological Society. Indianapolis, Indiana, USA, 1996.

CROUS PW. *Species of Mycosphaerella and their anamorphs occurring on Eucalyptus leaves*. Annual Meeting of the Mycological Society of America. Indianapolis, Indiana, USA, 1996.

CROUS PW, GAMS W, WINGFIELD MJ, VAN WYK PS. *A new genus of hyphomycetes to accommodate Phialophora parasitica*. Annual Meeting of the Mycological Society of America. Indianapolis, Indiana, USA, 1996.

CROUS PW, MCHAU GRA, WINGFIELD MJ, VAN ZYL WH. *Two undescribed Calonectria states for Cyliandrocladium gracile and C. naviculatum*. Annual Meeting of the Mycological Society of America. Indianapolis, Indiana, USA, 1996.

FOURIE PH, HOLZ G. *Establishment of different infection types on table grape berries by isolates of Botrytis cinerea belonging to different dicarboximide resistance classes*. XIth International Botrytis Symposium. Wageningen, The Netherlands, 1996.

HOLZ G, COERTZE S. *Growth of separate, individual conidia of Botrytis cinerea on fruit surfaces*. XIth International Botrytis Symposium. Wageningen, The Netherlands, 1996.

ROBBERTSE B, LENNOX C, CROUS PW. *Monitoring the sensitivity of Rhynchosporium secalis isolates from South Africa towards DMI fungicides*. Annual Meeting of the American Phytopathological Society. Indianapolis, Indiana, USA, 1996.

SCHMIDT L, FERREIRA JHS, HOLZ G. *Further evaluation of biocontrol of Botrytis cinerea by Trichosporon pullulans on table grapes*. XIth International Botrytis Symposium. Wageningen, The Netherlands, 1996.

## **Referate nasionaal/Papers national**

BOTES WM, SWART WJ, CROUS PW. *Seasonal variation of endophytic fungi isolated from pine needles*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

COERTZE S, HOLZ G. *Behaviour of Botrytis cinerea on grape berry surfaces under different wetness regimes*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

COUTINHO TA, WINGFIELD MJ, CROUS PW. *A serious canker disease of Eucalyptus in South Africa caused by a new species of Coniothyrium*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

CROUS PW, GAMS W, WINGFIELD MJ, VAN WYK PS. *A new genus of Hyphomycetes to accommodate Phialophora parasitica and other morphologically similar species*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.



CROUS PW, THERON L, VAN ZYL WH. *A comparison of Cyindrocladium spp. with 1-septate conidia and clavate vesicles*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

CROUS PW, WINGFIELD MJ. *Mycosphaerella spp. and their anamorphs associated with leaf blotch diseases of Eucalyptus in South Africa*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

DEN BREEËN A, CROUS PW. *Progress report on the database of plant pathogenic fungi occurring in South Africa*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

DEN BREEËN A, CROUS PW, HOLZ G. *Pyrenophora hordei and Drechslera wirreganensis occurring on graminicolous crops in South Africa*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

DENMAN S, McLEOD A. *Damage done to plants in bag culture by Phytophthora and Pythium (with reference to tomatoes and cucumbers)*. 2nd Symposium/Workshop of the Association for Vegetables Under Protection. Stellenbosch. 1996.

HOLZ G. *Planning biocontrol of Botrytis cinerea on grape, plum and nectarine based on the behaviour of conidia on fruit surfaces*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

LENNOX CL, SCHREUDER W, WALTERS DF. *Isolation of Pseudomonas syringae pv. tomato from tomato plants showing stem cortex necrosis*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

LENNOX CL, SPOTTS RA, SAUNDERSON P. *The effect of prestorage heating on wound healing in pear fruit*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

MCHAU GRA, CROUS PW, NOWELL DC. *Newly recorded foliar diseases on pearl millet (Pennisetum glaucum and sorghum (Sorghum bicolor) in South Africa*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

MCHAU GRA, ROBBERTSE B, CROUS PW. *Characterisation of mating type and progeny of Tapesia yallundae in South Africa using RAPDs*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

MCHAU GRA, ROBBERTSE B, CROUS PW. *Sclerotinia sclerotiorum and Alternaria brassicicola: New disease records from canola (Brassica napus var. oleifera) in South Africa*. Annual Congress of Southern African Society for Plant Pathology. Stellenbosch, 1996.

ROBBERTSE B, LENNOX CL, VAN JAARSVELD AB. *Towards the characterisation of the virulence spectrum of Rhynchosporium secalis in South Africa*. Annual Congress of Southern African Society for Plant Pathology. Stellenbosch, 1996.

SCHMIDT L, FERREIRA JHS, HOLZ G. *Further evaluation of biocontrol of Botrytis cinerea by Trichosporon pullulans on table grapes*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

SCHREUDER W, LAMPRECHT SC, HOLZ G. *Shift in virulence of Fusarium oxysporum f.sp. melonis race 0 induced by single dominant resistant genes*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

SMITH H, WINGFIELD MJ, COUTINHO T, CROUS PW. *Botryosphaeria dothidea and Sphaeropsis sapinea endophytic in eucalypts and pines in South Africa*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

SOUTHWOOD M, HOLZ G, SCHREUDER W, CROUS PW. *Integrated control of Sphaerotheca fuliginea on Cucurbit in the Western Cape Province*. 2nd Symposium of the Association for Vegetables Under Protection. Stellenbosch, 1996.

UYS MDR, VENTER SL, HOLZ G. *Characterisation of South African isolates of Fusarium oxysporum f.sp. lycopersici from tomato*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

VAN ZYL LM, WINGFIELD MJ, KEMP GHJ, CROUS PW. *Hypovirulence found in Brazilian isolates of Cryphonectria cubensis*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

VICTOR D, CROUS PW, JANSE BJH, WINGFIELD MJ. *Variation within the Cyliandrocladium floridanum species complex*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

VICTOR D, CROUS PW, JANSE BJH, WINGFIELD MJ, VAN ZYL WH. *Molecular assessment of species complexes within Cyliandrocladiella*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

ZHAO GH, WINGFIELD MJ, COUTINHO TA, CROUS PW. *A preliminary survey of poplar leaf and canker diseases in South Africa*. Annual Congress of the Southern African Society for Plant Pathology. Stellenbosch, 1996.

### **Magister afgehandel/Master's completed**

FOURIE PH. *Resistance in Botrytis cinerea to dicarboximide fungicides*. M.Sc.Agric., 1996. 72 pp. Studieleier: Prof G Holz.

UYS MDR. *The Fusarium root disease complex of tomato*. M.Sc.Agric., 1996. 60 pp. Studieleier: Prof G Holz.

### **Projekte lopend/Projects current**

CAMPBELL GF. *Genetics of pathogenicity in Pyrenophora spp. causing leaf diseases of barley*. Doktorale promotor/medepromotor: Prof PW Crous/dr JA Lucas.

COERTZE S. *The behaviour of Botrytis cinerea on grape berries under different epidemiological conditions*. Magister studieleier: Prof G Holz.

- CROUS PW. *Characterization of the genus Cylindrocladiella.*
- CROUS PW. *Co-evolution of microfungi on Myrtaceous genera in separate continents.*
- CROUS PW. *Endophytic fungi of small grain crops in the Western Cape.*
- CROUS PW. *Eyespot disease (*Ramulispora herpotrichoides*) of wheat in the Western Cape.*
- CROUS PW. *A general index to plant pathogenic fungi in southern Africa.*
- CROUS PW. *Revision of the genus Cylindrocladium.*
- CROUS PW. *Revision of South African Cercospora leaf spot pathogens.*
- CROUS PW. *Septoria diseases of wheat in the Western Cape.*
- CROUS PW. *Teleomorph-anamorph connections in fungi.*
- CROUS PW, HOLZ G. *The Pyrenophora net blotch disease complex of barley in South Africa.*
- FOURIE PH. *Integrated control of the Monilinia laxa/Botrytis cinerea complex on stone fruit.* Doktorale promotor: Prof G Holz.
- HALLEEN F. *Resistance in Oidium tuckeri to triazole fungicides.* Magister studieleier/ medestudieleier: Prof G Holz/dr JHS Ferreira.
- HOLZ G. *Behaviour of Botrytis cinerea and Monilinia laxa on stone fruit and the establishment of different infection types.*
- HOLZ G. *Behaviour of Botrytis cinerea on table grapes and the establishment of different infection types.*
- HOLZ G. *Biological control of postharvest diseases of fruit.*
- HOLZ G. *The epidemiology of Botrytis cinerea on plum, nectarine and pear fruit and on table grape berries.*
- HOLZ G. *Fungicide sensitivity in Botrytis cinerea and Monilinia laxa populations.*
- HOLZ G. *Pathogenicity of Phoma glomerata on blacktorn (Acacia mellifera subsp. detinens) and the involvement of phytotoxins in disease development.*
- NTUSHELO K. *Comparative studies on genetic variability and fungicide resistance in Tapesia yallundae.* Magister studieleier/medestudieleier: Prof PW Crous/prof G Holz.
- ROBBERTSE B. *Characterization, pathogenicity and fungicide sensitivity of the South African Rhynchosporium secalis population.* Doktorale promotor/medepromotor: Dr CL Lennox/prof PW Crous.

SARDANI M. *Preharvest colonization of apple fruit by fungi, with special reference to Alternaria species*. Magister studieleier/medestudieleier: Prof PW Crous/prof G Holz.

SCHMIDT L. *Biological control of postharvest Botrytis cinerea of table grapes*. Magister studieleier/medestudieleier: Prof G Holz/dr JHS Ferreira

SCHOCH CL. *Phylogenetic relationships and population dynamics of Calonectria scoparia*. Doktorale promotor/medepromotor: Prof PW Crous/prof MJ Wingfield.

SCHREUDER W. *Characterization and pathogenicity of South African isolates of Fusarium oxysporum f. sp. melonis*. Doktorale promotor/medepromotor: Prof G Holz/dr SC Lamprecht.

SOUTHWOOD MJ. *Integrated disease control of powdery mildew on cucurbits*. Magister studieleier/medestudieleier: Prof G Holz/prof PW Crous.

VAN DER BANK J. *Characterization of the Phaeosphaeria nodorum and Mycosphaerella graminicola populations of wheat in South Africa*. Magister studieleier/medestudieleier: Prof PW Crous/prof ZA Pretorius.

VAN DER MERWE E. *The ecology and epidemiology of Xylophilus ampelinus on grapevine*. Magister studieleier/medestudieleier: Dr EL Mansvelt/prof G Holz.

VERMEULEN AK. *Endophytic Phoma species occurring in Acacia mellifera ssp. detinens in Namibia*. Magister studieleier/medestudieleier: Prof G Holz/prof PW Crous.

## **veekundige wetenskappe / animal sciences**

### **Tydskrifartikels/Journal articles**

BÖHME HM, MELLET FD, DICKS LMT, BASSON DS. Production of salami from ostrich meat with strains of *Lactobacillus sake*, *Lactobacillus curvatus* and *Micrococcus* sp. *Meat Science* 1996; **44**(3): 173-180.

CRUYWAGEN CW, JORDAAN INA, VENTER C. Effect of *Lactobacillus acidophilus* supplementation of milk replacer on preweaning performance of calves. *Journal of Dairy Science* 1996; **79**: 483-486.

POGGENPOEL DG, FERREIRA GF, HAYES JP, DU PREEZ JJ. Response to long-term selection for egg production in laying hens. *British Poultry Science* 1996; **37**(4): 743-756.

SALES J. Histological, biophysical, physical and chemical characteristics of different ostrich muscles. *Journal of the Science of Food and Agriculture* 1996; **70**: 109-114.

SALES J, HAYES JP. Proximate, amino acid and mineral composition of ostrich meat. *Food Chemistry* 1996; **56**(2): 167-170.

SALES J, MARAIS D, KRUGER M. Fat content, caloric value, cholesterol content and fatty acid composition of raw and cooked ostrich meat. *Journal of Food Composition and Analysis* 1996; **9**: 85-89.

SALES J, MELLETT FD. *Post-mortem* pH decline in different ostrich muscles. *Meat Science* 1996; **42**: 235-238.

SALES J, MELLETT FD, HEYDENRYCH HJ. Ultrastructural changes in ostrich muscles during *post-mortem* ageing. *The South African Journal of Food and Nutrition* 1996; **8**: 23-25.

SALES J, POGGENPOEL DG, CILLIERS SC. Comparative physical and nutritive characteristics of ostrich eggs. *World's Poultry Science Journal* 1996; **52**(1): 45-52.

SCHOEMAN SJ. Characterization of beef cattle breeds by virtue of their performances in the National Beef Cattle Performance and Progeny Testing Scheme. *South African Journal of Animal Science* 1996; **26**(1): 15-19.

SCHOEMAN SJ. A preliminary assessment of predictive measures for the expression of weaning efficiency in sheep. *South African Journal of Animal Science* 1996; **26**(2): 47-49.

VAN NIEKERK MM, SCHOEMAN SJ, BOTHA ME, CASEY NH. Heritability estimates for pre-weaning growth traits in the Adelaide Boer goat flock. *South African Journal of Animal Science* 1996; **26**(1): 6-10.

## **Verrigtinge internasionaal/Proceedings international**

MELLETT FD. *Anatomy of the hind limb of an ostrich*. Proceedings of Ostrich Slaughter and Meat Seminar. Banbury Cross Veterinary Farm Supply, Oxfordshire, UK, 1996.

MELLETT FD. *Designing an on farm and commercial ostrich abattoir*. Proceedings of Ostrich Slaughter and Meat Seminar. Banbury Cross Veterinary Farm Supply, Oxfordshire, UK, 1996.

MELLETT FD. *Dissecting the meat from an ostrich carcass*. Proceedings of Ostrich Slaughter and Meat Seminar. Banbury Cross Veterinary Farm Supply, Oxfordshire, UK, 1996.

MELLETT FD. *Eastern (Japanese) preparation of ostrich meat*. Proceedings of Ostrich Slaughter and Meat Seminar. Banbury Cross Veterinary Farm Supply, Oxfordshire, UK, 1996.

MELLETT FD. *Effect of animal age on meat quality*. Proceedings of Ostrich Slaughter and Meat Seminar. Banbury Cross Veterinary Farm Supply, Oxfordshire, UK, 1996.

MELLETT FD. *Ostrich myology, post-mortem glycolysis, muscle characteristics and GMP abattoir and processing techniques*. Proceedings of an International Scientific Conference on Improving Our Understanding of Ratites in a Farming Environment. University of Manchester, 1996: 61-69.

MELLETT FD. *Post-mortem changes of ostrich meat*. Proceedings of Ostrich Slaughter and Meat Seminar. Banbury Cross Veterinary Farm Supply, Oxfordshire, UK, 1996.

MELLETT FD. *Preparing cold smoked ostrich*. Proceedings of Ostrich Slaughter and Meat Seminar. Banbury Cross Veterinary Farm Supply, Oxfordshire, UK, 1996.

MELLETT FD. *Preparing ostrich burgers*. Proceedings of Ostrich Slaughter and Meat Seminar. Banbury Cross Veterinary Farm Supply, Oxfordshire, UK, 1996.

MELLETT FD. *Processing ostrich meat*. Proceedings of Ostrich Slaughter and Meat Seminar. Banbury Cross Veterinary Farm Supply, Oxfordshire, UK, 1996.

MELLETT FD, FISHER P, BÖHME HM. *Anatomy of the ostrich - including various meat cuts*. Proceedings of European Ostrich Association World Congress. Hengelo, The Netherlands, 1996.

MELLETT FD, FISHER P, BÖHME HM. *Grading of ostrich skins*. Proceedings of European Ostrich Association World Congress. Hengelo, The Netherlands, 1996.

MELLETT FD, FISHER P, BÖHME HM. *How to slaughter & How to design a slaughter house*. Proceedings of European Ostrich Association World Congress. Hengelo, The Netherlands, 1996.

MELLETT FD, FISHER P, BÖHME HM. *World ostrich meat business: Competition between Europe, Africa, America and Australia*. Proceedings of European Ostrich Association World Congress. Hengelo, The Netherlands, 1996.

MULLINS C, DICKS LMT, TORRIANI S, DU TOIT M, MELLETT FD, BÖHME HM. *Bacteriocin producing strains of Lactobacillus sake and Lactobacillus curvatus as starter cultures in the production of ostrich meat salami*. Food Micro '96, 16th International Symposium of the International Committee on Food Microbiology and Hygiene (ICFMH). Budapest, Hungary, 1996.

### **Referate internasionaal/Papers international**

CILLIERS SC, HAYES JP. *Maintenance and growth requirements of ostriches*. Proceedings of European Ostrich Association World Congress. Hengelo, The Netherlands, 1996.

HAYES JP, CILLIERS SC, DU PREEZ JJ. *Nutrition of the ostrich for meat and leather*. Proceedings of European Ostrich Association World Congress. Hengelo, The Netherlands, 1996.

### **Referate nasionaal/Papers national**

HAYES JP, SALES J, DU PREEZ JJ. *Deposition of Omega-3 fatty acids in broiler meat*. 13th Scientific Day, SA Branch of the World's Poultry Science Association. Pretoria, 1996.

### **Hoofstukke in boeke/Chapters in books**

BEKKER MJ. *Proteïen- en energie-aanvulling aan nie-reproduserende wolkape op natuurlike weiding op die Hoëveld van Mpumalanga*. Ph.D., 1996. 259 pp. Promotor/ medepromotor: Dr J Coetzee/prof PJ de Wet.

BRAND TS. *The nutritional status and feeding practices of sheep grazing cultivated pasture and crop residues in a mediterranean environment*. Ph.D., 1996. 348 pp. Promotor/medepromotor: Dr J Coetzee/dr WA Smith.

## Projekte lopend/Projects current

BÖHME HM. *Evaluering van 'n stadig-vrystellende suiker-ureumkompleks. (Evaluation of a slow release urea: sugar-urea complex.)* Magister studieleier: Dr J Coetzee.

BURGER WJ. *Verbetering van die benutting van lae kwaliteit ruvoer deur die aanvulling van beskermde proteïen en/of aminosuur. (Improving the utilization of low quality roughage supplementation of protected protein and/or amino acids.)* Magister studieleier: Dr J Coetzee.

CRUYWAGEN CW, HOLTSHAUSEN L. *Die invloed van proteïendegradeerbaarheid in aanvangs- en groeidiëte op kalffprestasie. (The effect of protein degradability in starter and grower diets on calf performance.)*

CRUYWAGEN CW, HOLTSHAUSEN L. *Die potensiaal van Jersey-bulkalwers vir kalfsvleisproduksie. (The potential of Jersey bull calves for veal production.)*

DE WET L. *Aanwending van metaboliseerbare energie in kommersiële voedingsgraad olies. (Utilization of the metabolizable energy in commercial feed-grade oils.)* Magister studieleier: Prof JP Hayes.

DU PLESSIS JJP. *Energie en aminosuur aanwending by braai-henne. (Energy and amino acid utilization by broiler mothers.)* Magister studieleier: Prof JP Hayes.

HAHN BD, RICHARDSON FD, SCHOEMAN SJ. *Ontwikkeling van modelle vir weiveld produksiestelsels. (Development of models of rangeland production systems.)*

SCHOEMAN SJ. *Verbetering van produksiedoeltreffendheid by plaasvee. (Improving productive efficiency in livestock.)*

SONANDI A. *'n Studie op die metaboliseerbare energie-inhoud van veselagtige materiaal vir konyne. (Studies on the metabolizable energy content of fibrous material for rabbits.)* Doktorale promotor: Prof JP Hayes.

UPTON E. *Ontwikkeling van 'n stadig-vrystellende polimeer-bedekte ureumkompleks. (Development of a slow release polymer-coted urea.)* Magister studieleier: Dr J Coetzee.

VAN DER RIJST DJ. *Voorkoming van hipokalsemie by weidende ooie wat graanaanvulling ontvang. (Preventing of hypocalcemia of grazing ewes supplement with grain.)* Magister studieleier: Dr J Coetzee.

VAN DER WESTHUIZEN H. *Die biologiese verkrygbaarheid van lisiene in kommersiële vismeel vir braaikuikens. (The biological availability of lysine in commercial fish meals for broiler chickens.)* Magister studieleier: Prof JP Hayes.

VILJOEN HC. *'n Studie op proteïen-vertering in jong varkies. (Studies on protein digestion in young pigs.)* Doktorale promotor: Prof JP Hayes.

## voedselwetenskap / food science

## Tydskrifartikels/Journal articles

BÖHME HM, MELLET FD, DICKS LMT, BASSON DS. Production of salami from ostrich meat with strains of *Lactobacillus sake*, *Lactobacillus curvatus* and *Micrococcus* sp. *Meat Science* 1996; **44**(13): 173-180.

RIEDEL K-HJ, BRITZ TJ. Justification of the "classical" *Propionibacterium* species concept by ribotyping. *Systematic and Applied Microbiology* 1996; **19**: 370-380.

## Referate nasionaal/Papers national

LAMB EJ, BRITZ TJ, RIEDEL K-H. *Treatment of potentially hazardous industrial effluents using an anaerobic hybrid bioreactor design*. African Water Conference. Midrand, Johannesburg, 1996.

LAMB EJ, RIEDEL K-HJ, BRITZ TJ. *Determination of the anaerobic biodegradability of industrial effluents using a modified biodegradability assay*. 9th Biennial Microbiology Congress, SASM. Pretoria, 1996.

RIEDEL K-HJ, BRITZ TJ. *Comparison of ribotyping analysis and numerical taxonomic studies of classical Propionibacterium*. 9th Biennial Microbiology Congress, SASM. Pretoria, 1996.

SIGGE G, HANSMANN CF. *Nutritional quality of dehydrated green peppers (Capsicum annum)*. 16th Biennial Congress of the Nutrition Society of Southern Africa. Stellenbosch, 1996.

VAN DER MERWE M, BRITZ TJ. *Optimization of volatile fatty acid production in raw bakers yeast effluent by Chryseomonas luteola for use in a pre-degradation step*. 9th Biennial Microbiology Congress, SASM. Pretoria, 1996.

VAN DER MERWE M, BRITZ TJ. *Performance of anaerobic hybrid digesters treating different industrial wastewaters*. African Water Conference. Midrand, Johannesburg, 1996.

VAN DER MERWE M, BRITZ TJ. *The treatment of high-strength baker's yeast effluent using combined biological/chemical technology*. African Water Conference. Midrand, Johannesburg, 1996.

## Magister afgehandel/Master's completed

VON GADOW A. *Antioxidant activity of rooibos tea (Aspalathus linearis)*. M.Sc. in Voedselwet., 1996. 125 pp. Studieleier/medestudieleiers: Dr E Joubert (Infruitec, Stellenbosch)/Mnr CF Hansmann (Infruitec, Stellenbosch) en mnr DS Basson.

## Projekte lopend/Projects current

BASSON DS. *Vergelyking van die eetgehalte van Duroc-, Grootwit- en Landrasvarkvleis*. Promotor: Dr FD Mellet.

CALEFATO J. *Fermentation optimization of selected dairy products*. Magister studieleier: Prof TJ Britz.



DOLLY L. *Evaluation of bacteriocin activity in the genus Propionibacterium*.  
Doktorale promotor/medepromotor: Prof TJ Britz/dr LMT Dicks.

DU TOIT J *The development of a standardized processing method for honeybush tea*.  
Magister studieleier/medestudieleier: Dr E Joubert (Infruitec, Stellenbosch)/prof TJ Britz.

FOURIE PC. *The controlled application of sulphur dioxide prior to drying of apricots, peaches and pears*.  
Doktorale promotor/medepromotor: Dr E Joubert (Infruitec, Stellenbosch)/prof TJ Britz.

HANSMANN CF. *Dehydration of peaches and pears without sulphur dioxide*.  
Doktorale promotor/medepromotor: Dr E Joubert (Infruitec, Stellenbosch)/prof TJ Britz.

HUBBE M. *Antioxidant activity of indigenous South African herbal teas*.  
Magister studieleier/medestudieleiers: Mnr CF Hansmann (Infruitec, Stellenbosch)/dr E Joubert (Infruitec, Stellenbosch), proff TJ Britz en JS Hofmeyr.

OPPERMAN WO. *Packaging technology for export grapes*.  
Promotor/medepromotor: Dr RD Sanderson/prof TJ Britz.

ROOS P. *Detection of naturally occurring aggregate producing microbial strains from granules formed under stressed conditions*.  
Magister studieleier: Prof TJ Britz.

SIGGE GO. *Drying technology of green peppers*.  
Magister studieleier/medestudieleier: Mnr CF Hansmann (Infruitec, Stellenbosch)/dr E Joubert (Infruitec, Stellenbosch) en mnr DS Basson.

TRNOVEC W. *Characterization of classical Propionibacterial strains from the microbial community of anaerobic granules*.  
Magister studieleier: Prof TJ Britz.

UYS RCB. *The benefits of the Hazard Analysis Critical Control Point (HACCP) system in the fishing industry*.  
Magister studieleier/medestudieleier: Mnr DS Basson/prof TJ Britz.

VAN SCHALKWYK C. *Characterization of the S-layers produced by Propionibacterium thoenii strain 425*.  
Magister studieleier/medestudieleier: Prof TJ Britz/prof H van Vuuren.

VAN WYK GG. *Probiotic effects by Propionibacterium cultures used as starters in fermented foods*.  
Doktorale promotor: Prof TJ Britz.

VISAGIE H. *Study of the optimum processing of rainbow trout during the process of value adding*.  
Magister studieleier/medestudieleier: Mnr DS Basson/mnr D Brink.

## **wingerd- en wynkunde / viticulture and oenology**

### **Verrigtinge internasionaal/Proceedings international**

VAN WYK CJ, LOUW A, RABIE IM. *The effect of reductive winemaking conditions on wine quality and composition*. Proceedings of the 11th International Oenological Symposium. Sopron, Hungary, 1996: 49-51.

### **Referate nasionaal/Papers national**

ARCHER E. *Wingerdwitluis: Navorsingsprioriteite*. Kongres van die Suid-Afrikaanse Wingerd- en Wynkondevereniging. Kaapstad, 1996.

ELLIS LP. *Die invloed van wingerdwitluis op druif- en wyngelalte*. Kongres van die Suid-Afrikaanse Wingerd- en Wynkondevereniging. Kaapstad, 1996.

### **Magister afgehandel/Master's completed**

VAN BREDA JD. *Die invloed van lowerbestuursbehandelings op die wingerdboukundige prestasie van Vitis vinifera L. cv. Sauvignon blanc*. M.Sc.Agric., 1996. 85 pp. Studieleier/medestudieleier: Dr E Archer/prof PG Goussard.

### **Projekte afgehandel/Projects completed**

ARCHER E. *Korttermyn praktyke ter verbetering van die gehalte van koöperasiewyne in die Stellenbosch distrik*.

ARCHER E, GOUSSARD PG. *Ondersoeke na die bydrae van laterale groei tot druifsamestelling en wyngelalte*.

GOUSSARD PG. *In vitro hitteterapie van lote sonder wortels*.

UYS DC. *Evaluering van sommige US onderstokkruisings vir tafeldruive*.

UYS DC. *Intracultivarseleksie by tafeldruive*.

UYS DC. *Ondersoeke na optimum rypheidstandaarde by tafeldruive*.

UYS DC. *Teling en evaluering van tafeldruifkruisings*.

VAN WYK CJ, LOUW A. *Bepaling van wyngelaltepotensiaal van druive van brakwaterbesproeide stokke*.

### **Projekte lopend/Projects current**

ARCHER E. *Minimum insette vir wingerdverbouing*.

ARCHER E. *Ondersoeke na lowerbestuurspraktyke by wingerd*.

ELLIS LP. *Die identifikasie en evaluasie van gehaltebepalende brandewynaromastowwe*. Doktorale promotor: Prof CJ van Wyk.

GOUSSARD PG. *In vitro kweek van wingerdweefsel/organe/selle*.

GOUSSARD PG, ARCHER E, JACOBS J. *Evaluering van onderstokcultivarkruisings vir wynkwaliteit*.

GOUSSARD PG, ARCHER E, JACOBS J. *Evaluering van wyndruifkruisings vir wynkwaliteit.*

GOUSSARD PG, JACOBS J. *Afwykings by in vitro gekweekte materiaal.*

GOUSSARD PG, JACOBS J. *Die invloed van kallusstimulante ter verbetering van entlasheling by geënte wingerdstokke.*

GOUSSARD PG, JACOBS J. *Ondersoeke na suksesvolle oorenting van meerjarige stokke.*

GOUSSARD PG, WIID J. *Eliminering van rolblaarvirusse.*

GOUSSARD PG, WIID J. *Somatiese embriogenese by wingerd.*

GOUSSARD PG, WIID J. *Verspreiding van rolblaarverwante virusse by wingerd.*

LOUW A, VAN WYK CJ. *Die effek van verskillende dopkontaktye op die kleur-, tannien- en gehalte-eienskappe van verskillende rooi cultivarwyne.*

MACNAMARA K. *The maturation of whiskey.* Doktorale promotor: Prof CJ van Wyk.

RABIE IM. *Characteristic aroma constituents in grapes and wine of Vitis vinifera L. cv. Chardonnay.* Magister studieleier: Prof CJ van Wyk.

VAN WYK CJ, LOUW A. *Die evaluering van die gehalte potensiaal van wyndruifkruisings en klone van verskeie wyndruifsoorte.*

VAN WYK CJ, LOUW A, RABIE IM. *Die effek van askorbiensuur op die vrugtigheid van gehalte van wit tafelwyn.*

VAN WYK CJ, LOUW A, RABIE IM. *Evaluering van nuwe gesuiwerde pektolitiese ensiempreparate.*

VAN WYK CJ, LOUW A, RABIE IM. *Pienkwording van Sauvignon blanc wyn.*

VAN WYK CJ, VAN DER MERWE SL, RABIE IM. *Die effek van die veroudering van wyn in kontak met gismoer op die aromasamestelling en gehalte van wyn.*

## **instituut vir wynbiotegnologie / institute for wine biotechnology**

### **Tydskrifartikels/Journal articles**

CROUS JM, PRETORIUS IS, VAN ZYL WH. Cloning and expression of the  $\alpha$ -L-arabinofuranosidase gene (*ABF2*) of *Aspergillus niger* in *Saccharomyces cerevisiae*. *Applied Microbiology and Biotechnology* 1996; **46**: 256-260.

LA GRANGE DC, PRETORIUS IS, VAN ZYL WH. Expression of a *Trichoderma reesei*  $\beta$ -xylanase gene (*XYN2*) in *Saccharomyces cerevisiae*. *Applied and Environmental Microbiology* 1996; **62**: 1036-1044.

LAMBRECHTS MG, BAUER F, MARMUR J, PRETORIUS IS. Muc1, a mucin-like protein that is regulated by Mss10, is critical for pseudohyphal differentiation in yeast. *Proceedings of the National Academy of Sciences USA (PNAS)* 1996; **93**: 8419-8424.

LAMBRECHTS MG, SOLLITTI P, MARMUR J, PRETORIUS IS. A multicopy suppressor gene, *MSS10*, restores *STA2* expression in *Saccharomyces cerevisiae*. *Current Genetics* 1996; **29**: 523-529.

MOES JC, PRETORIUS IS, VAN ZYL WH. Cloning of the *Clostridium thermosulfurogenes* xylose isomerase gene (*xylA*) in *Saccharomyces cerevisiae*. *Biotechnology Letters* 1996; **18**: 269-274.

STEYN AJC, MARMUR J, PRETORIUS IS. Cloning, mapping and characterization of a genomic copy of the *Lipomyces kononenkoae*  $\alpha$ -amylase-encoding gene (*LKA1*). *Yeast* 1996; **12**: 925-937.

VAN RENSBURG P, VAN ZYL WH, PRETORIUS IS. Co-expression of a *Phanerochaete chrysosporium* cellobiohydrolase gene and a *Butyrivibrio fibrisolvens* endo- $\beta$ -1,4-glucanase gene in *Saccharomyces cerevisiae*. *Current Genetics* 1996; **30**: 246-250.

## Referate internasionaal/Papers international

DU PREEZ JC, PRETORIUS IS, DE KOCK SH, VIVIER MA. *Ethanol production from starch using yeasts*. 9th International Symposium on Yeasts. Sydney, Australia, 1996.

LA GRANGE DC, PRETORIUS IS, VAN ZYL WH. *Cloning and co-expression of xylan-degrading genes in yeast*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

LAMBRECHTS MG, CARSTENS E, VAN RENSBURG P, PRETORIUS IS. *Flocculance and dimorphism in wine yeast*. 76th General Assembly of the OIV. Cape Town, 1996.

LAMBRECHTS MG, PRETORIUS IS. *Co-regulation of starch degradation and pseudohyphae formation in Saccharomyces cerevisiae*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

LAMBRECHTS MG, PRETORIUS IS. *Co-regulation of starch degradation and dimorphism in the yeast Saccharomyces cerevisiae*. 9th International Symposium on Yeasts. Sydney, Australia, 1996.

LAMBRECHTS MG, PRETORIUS IS. *A mucin-like gene involved in cell aggregation*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

LAMBRECHTS MG, PRETORIUS IS. *A mucin-like gene involved in cell aggregation*. 9th International Symposium on Yeasts. Sydney, Australia, 1996.

LAMBRECHTS MG, PRETORIUS IS. *Yeast cell differentiation in response to nutritional signals*. 1st UK-RSA Symposium on Cell Growth Control. Cape Town, 1996.

PRETORIUS IS. *Co-regulation of yeast dimorphism, flocculation and starch utilization*. European Brewing Convention Symposium on Industrial Yeasts. Leuven, Belgium, 1996.

PRETORIUS IS. *Genetic engineering of wine yeast*. 76th General Assembly of the OIV. Cape Town, 1996.

PRETORIUS IS. *Production and applied potential of polymer degrading enzymes in yeast*. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

PRETORIUS IS, VAN RENSBURG P, LAMBRECHTS MG, VIVIER MA, VAN ZYL WH. *Genetic improvement of proteolytic and polysaccharolytic wine yeasts*. 11th International Oenological Symposium. Sopron, Hungary, 1996.

STEYN AJC, PRETORIUS IS. *Cloning, mapping and expression of cDNA and genomic copies of the *Lipomyces kononenkoae*  $\alpha$ -amylase-encoding gene in *Saccharomyces cerevisiae* and *Schizosaccharomyces pombe**. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

STEYN AJC, PRETORIUS IS. *Cloning, mapping and expression of the *Lipomyces kononenkoae*  $\alpha$ -amylase-encoding gene in *Saccharomyces cerevisiae* and *Schizosaccharomyces pombe**. 9th International Symposium on Yeasts. Sydney, Australia, 1996.

VAN DER WESTHUIZEN TJ, PRETORIUS IS. *Genetic diversity and geographic distribution of indigenous *Saccharomyces cerevisiae* strains in the wine-producing areas of the Western Cape in South Africa*. 9th International Symposium on Yeasts. Sydney, Australia, 1996.

VAN RENSBURG P, VAN ZYL WH, PRETORIUS IS. *Co-expression of heterologous genes encoding endo- $\beta$ -glucanase, cellobiohydrolase, cellodextrinase and cellobiase in *Saccharomyces cerevisiae**. 8th International Congress of the Bacteriology and Applied Microbiology Division of the International Union of Microbiological Societies. Jerusalem, Israel, 1996.

VAN RENSBURG P, VAN ZYL WH, PRETORIUS IS. *Co-expression of heterologous genes encoding endo- $\beta$ -glucanase, cellobiohydrolase, cellodextrinase and cellobiase in *Saccharomyces cerevisiae**. 9th International Symposium on Yeasts. Sydney, Australia, 1996.

## **Referate nasionaal/Papers national**

CARSTENS E, LAMBRECHTS MG, PRETORIUS IS. *Flocculation in wine yeasts*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

CARSTENS E, LAMBRECHTS MG, PRETORIUS IS. *Pseudohyphal development and invasive growth by wine yeasts*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

LA GRANGE DC, MOES CJ, PRETORIUS IS, VAN ZYL WH. *Heterologous production of xylan-utilising enzymes in yeast*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

LAMBRECHTS MG, PRETORIUS IS. *Co-regulation of starch degradation and pseudohyphae formation in Saccharomyces cerevisiae*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

PRETORIUS IS. *Breeding and genetic engineering of wine yeasts*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

PRETORIUS IS. *The yeast genome: Mapping, sequencing and functional analysis*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

SCHOEMAN H, VIVIER MA, DICKS LMT, PRETORIUS IS. *Expression of the Pediococcus acidilactici pediocin gene in Saccharomyces cerevisiae*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

STEYN AJC, PRETORIUS IS. *Cloning, mapping and expression of cDNA and genomic copies of the Lipomyces kononenkoae  $\alpha$ -amylase-encoding gene in Saccharomyces cerevisiae and Schizosaccharomyces pombe*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

VAN RENSBURG P, VAN ZYL WH, PRETORIUS IS. *Co-expression of heterologous genes encoding endo- $\beta$ -glucanase, cellobiohydrolase, cellodextrinase and cellobiase in Saccharomyces cerevisiae*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

VAN RENSBURG P, VAN ZYL WH, PRETORIUS IS. *Expression of different cellulase cassettes in Saccharomyces cerevisiae*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

VIVIER MA, PRETORIUS IS. *Purification of the STA2-encoded glucoamylase from Saccharomyces cerevisiae to determine the N-terminus and study the glycosylation patterns*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

VIVIER MA, PRETORIUS IS. *A second signal recognition event enhances secretion of the STA2-encoded glucoamylase into the culture medium*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

WEBBER AL, LAMBRECHTS MG, PRETORIUS IS. *Multiple copies of MSS10 and MSS11 induce glucoamylase production and invasive growth in Saccharomyces cerevisiae*. 9th Biennial Congress of the South African Society for Microbiology. Pretoria, 1996.

## **Doktoraal afgehandel/Doctoral completed**

LAMBRECHTS MG. *Co-regulation of starch degradation and dimorphism in the yeast Saccharomyces cerevisiae*. Ph.D. (Agric.), 1996. 168 pp. Promotor: Prof IS Pretorius.

## Magister afgehandel/Master's completed

MOES CJ. *Molecular cloning and expression of heterologous genes encoding xylose-utilizing enzymes in the yeast Saccharomyces cerevisiae*. M.Sc. cum laude, 1996. 125 pp. Studieleier/medestudieleier: Prof WH van Zyl/prof IS Pretorius.

## Projekte lopend/Projects current

CARSTENS E. *Flocculance and dimorphism in wine yeasts*. Magister studieleier/medestudieleier: Prof IS Pretorius/dr MG Lambrechts.

D'AGUANNO VS. *Regulation of the glucoamylase multigene family in Saccharomyces cerevisiae*. Doktorale promotor: Prof IS Pretorius.

DE ASCENSAO A. *Cloning and characterization of the PGIP gene from Vitis vinifera for biological control against Botrytis cinerea infections*. Doktorale promotor: Prof IS Pretorius.

DE VILLIERS M. *Genetic breeding of cultivar-specific wine yeasts*. Magister studieleier: Prof IS Pretorius.

GAGIANO M. *cis-Acting elements involved in the transcriptional control of the glucoamylase and mucin genes from Saccharomyces cerevisiae*. Magister studieleier: Prof IS Pretorius.

JOLLY NP. *Characterization, evaluation and use of non-Saccharomyces cerevisiae yeast strains isolated from vineyards and must*. Doktorale promotor: Prof IS Pretorius.

KHAN W. *Geographical distribution, characterization and evaluation of Saccharomyces cerevisiae strains isolated from South African vineyards*. Magister studieleier/ medestudieleier: Prof IS Pretorius/dr MG Lambrechts.

MOGASHOA MM. *Construction and expression of a polysaccharase gene cassette in Saccharomyces cerevisiae*. Magister studieleier: Prof IS Pretorius.

PETERSEN SH. *Genetic engineering of Saccharomyces cerevisiae for the degradation of polysaccharides*. Magister studieleier/medestudieleier: Prof IS Pretorius/prof WH van Zyl.

SCHOEMAN H. *Expression of the Pediococcus acidilactici pediocin gene in Saccharomyces cerevisiae*. Magister studieleier/medestudieleier: Prof IS Pretorius/prof LMT Dicks.

STANLEY L. *Breeding of cultivar-specific wine yeasts*. Magister studieleier: Prof IS Pretorius.

STEGER C. *Breeding of wine yeasts for brandy production*. Magister studieleier: Prof IS Pretorius.

VAN DER WESTHUIZEN TJ. *Characterization, evaluation and genetic improvement of wine yeast strains isolated from vineyards*. Doktorale promotor: Prof IS Pretorius.

VAN RENSBURG P. *Cloning, characterization and expression of cellulase-encoding genes in Saccharomyces cerevisiae*. Doktorale promotor: Prof IS Pretorius.

VILJOEN E. *Development of wine yeast with antifungal activity*. Magister studieleier: Prof IS Pretorius.

VIVIER MA. *Transcriptional and translational initiation of the glucoamylase and mucin genes in Saccharomyces cerevisiae*. Doktorale promotor: Prof IS Pretorius.

WEBBER AL. *Co-regulation of starch degradation and pseudohyphal growth in Saccharomyces cerevisiae*. Magister studieleier: Prof IS Pretorius.

YOUNG PR. *Construction of genomic libraries of Vitis vinifera and subsequent screening for essential enzymes in sugar metabolism*. Magister studieleier: Prof IS Pretorius.



# FAKULTEIT REGSGELEERDHEID FACULTY OF LAW

---

## handelsreg / mercantile law

### Tydskrifartikels/Journal articles

HUGO C. The 1993 Revision of the Uniform Customs and Practice for Documentary Credits. *SA Mercantile Law Journal* 1996; **8**(2): 151-163.

VAN WYK AH, FOURIE JSA. Die Stellenbosse Regsfakulteit: 1921-1996 - 75 Trotse Jare. *Stellenbosse Regstydskrif* 1996; **7**(2): 130-146.

### Hoofstukke in boeke/Chapters in books

BUTLER DW. Resolving commercial disputes in South Africa. In: Williams VC, Hannay WM, Littenberg MR, Robinson LG, (eds). *A Lawyer's Guide to Doing Business in South Africa*. American Bar Association, 1996: 153-171.

HUGO C. Negotiable instruments. In: Zimmermann R, Visser D, (eds). *Southern Cross: Civil Law and Common Law in South Africa*. Oxford University Press, 1996: 481-520.

JORDAAN B. Employment relations. In: Zimmermann R, Visser D, (eds). *Southern Cross: Civil Law and Common Law in South Africa*. Oxford University Press, 1996: 389-415.

### Navorsingsverslae/Research reports

BUTLER DW. *Arbitration: A Draft International Arbitration Act for South Africa*. Discussion Paper 69, South African Law Commission, 1996. 164 pp.

### Doktoraal afgehandel/Doctoral completed

HUGO CF. *The law relating to documentary credits from a South African perspective with special reference to the legal position of the issuing and confirming banks*. LL.D., 1996. 385 pp. Promotor/medepromotor: Prof AH van Wyk/prof DW Butler.

### Magister afgehandel/Master's completed

MALHERBE ED. *Organizational rights for Trade Unions in South African Labour Law*. LL.M., 1996. 172 pp. Studieleier: Prof HA Jordaan.

### Projekte lopend/Projects current

BUTLER DW. *'n Ondersoek na die hervorming van Suid-Afrikaanse arbitrasiewetgewing*.

BUTLER DW. *Onlangse ontwikkelings op die gebied van aandeleblokke en tyddeelskemas*.

DE VILLE EM. 'n Regsvergelykende ondersoek na die verwatering van geregistreerde handelsmerke. Doktorale promotor/medepromotor: Prof HA Jordaan/prof C Visser.

WIESE T. *Worker participation: Implications for South African Labour and Company Law*. Doktorale promotor/medepromotor: Prof HA Jordaan/prof DW Butler.

## **privaatreg en romeinse reg / private and roman law**

### **Tydskrifartikels/Journal articles**

DE VOS WL. International aspects of civil procedural law. *Stellenbosch Law Review/ Regstydskrif* 1996; 7(2): 163-178.

DE VOS WL. Reflections on the introduction of a class action in South Africa. *Tydskrif vir die Suid-Afrikaanse Reg* 1996; (4): 639-657.

DE WAAL MJ. Verlede Maand se Hofverslae. *De Rebus* 1996; (338): 87-90.

DE WAAL MJ. Verlede Maand se Hofverslae. *De Rebus* 1996; (340): 236-241.

DE WAAL MJ. Verlede Maand se Hofverslae. *De Rebus* 1996; (341): 379-383.

DE WAAL MJ. Verlede Maand se Hofverslae. *De Rebus* 1996; (343): 510-514.

DE WAAL MJ. Verlede Maand se Hofverslae. *De Rebus* 1996; (345): 653-657.

DE WAAL MJ. Verlede Maand se Hofverslae. *De Rebus* 1996; (347): 816-820.

DU PLESSIS F. Die remedies van die huurder by omskepping van huurgeboue in Deeltitelskemas. *Stellenbosch Law Review/Regstydskrif* 1996; 7(3): 329-342.

DU PLESSIS PG, PIENAAR JM. The restitution of land rights and redistribution of land in South Africa: Potential effects on value and on the economy in 1995. *SA Journal of Economics and Management Sciences* 1996; 19(Winter): 162-182.

DU PLESSIS W, OLIVIER NJJ, PIENAAR JM. Geweld - geen einde in sig nie. *Suid-Afrikaanse Publikereg/South African Public Law* 1995; 10(2): 487-503.

DU PLESSIS W, OLIVIER NJJ, PIENAAR JM. Land law and land policy. *Suid-Afrikaanse Publikereg/South African Public Law* 1995; 10(2): 468-487.

DU PLESSIS W, OLIVIER NJJ, PIENAAR JM. Land reform continues. *SA Publikereg/ Public Law* 1996; 11(1): 297-314.

ERASMUS HJ. Aftrede van Appèlregter CP Joubert - 'n Evaluering van sy werk. *Consultus* 1996; **9**(1): 22-23.

ERASMUS HJ. Anton Pillar orders. *South African Law Journal* 1996; **113**(1): 1-5.

ERASMUS HJ. Much ado about not so much - or, the Excesses of the adversarial Process. *Stellenbosch Law Review/Regstydskrif* 1996; **7**(1): 114-119.

ERASMUS HJ. Too expensive, too slow and too complex. *Consultus* 1996; **9**(2): 105-107.

LUBBE GF. Law of purchase and sale. *1994 Annual Survey of SA Law* 1994: 173-189.

LUBBE GF. Retraction of repudiation: A doctrine writ in water? *Stellenbosch Law Review/Regstydskrif* 1996; **7**(2): 147-162.

PIENAAR JM. Bewaring en die Wet op Nasionale Gedenkwaardighede 28 van 1969. *De Jure* 1996; **29**(1): 89-111.

PIENAAR JM, VAN DER MERWE CG. Law of property (including mortgage and pledge). *1994 Annual Survey of South African Law* 1996: 296-353.

VAN DER MERWE CG. The attachment of Sectional Title Units. *Executor* 1996; **8**(2): 4-8.

VAN DER MERWE CG. Does the restraint on transfer provision in the Sectional Titles Act accord sufficient preference to the Body Corporate for Outstanding Levies? *Journal of Contemporary Roman-Dutch Law/Tydskrif vir Hedendaagse Romeins-Hollandse Reg* 1996; **59**(3): 367-387.

VAN DER MERWE CG. The general meeting of the Sectional Titles Act compared to the Wohnungseigentümersversammlung of the German Wohnungseigentümengesetz. *Stellenbosch Law Review/Regstydskrif* 1996; **7**(3): 263-282.

VAN DER MERWE CG. The placing of signs, Billboards of Advertisements on the outside walls of Sectional Title buildings. *Tydskrif vir die Suid-Afrikaanse Reg* 1996; (3): 568-571.

VAN DER MERWE CG. Trends in the comparative law of Apartment Ownership: A propos the reform of the Scottish Law of the Tenement. *Scottish Law and Practice Quarterly* 1996: 205-215.

VAN DER MERWE CG, NEDELMAN D. The Swedish Tenant-Ownership Model as an alternative to Apartment Ownership (sectional titles). *Comparative and International Law Journal of South Africa* 1996; **29**(1): 49-60.

## **Verrigtinge internasionaal/Proceedings international**

LOUBSER MM. *Concurrence of contract and tort*. 1st World Law Conference: Law in Motion. Brussels, Belgium, 1996: 327-351.

## Boeke/Books

DE WAAL MJ, SCHOEMAN MC. *Erfreg: Studentehandboek (2de uitgawe)*. Juta, 1996. 212 pp.

DE WAAL MJ, SCHOEMAN MC. *Law of succession: Students' handbook (2nd edition)*. Juta, 1996. 202 pp.

ERASMUS HJ, BREITENBACH AM, VAN LOGGERENBERG DE. *Superior Court Practice, Revision Services 5*. Juta, 1996. 312 pp.

ERASMUS HJ, BREITENBACH AM, VAN LOGGERENBERG DE. *Superior Court Practice, Revision Services 6*. Juta, 1996. 300 pp.

ERASMUS HJ, VAN LOGGERENBERG DE. *Jones & Buckle: The Civil Practice of the Magistrates' Courts, Vol 1: The Act (9de uitg)*. Juta, 1996. 553 en viii pp.

LOUBSER MM. *Extinctive prescription*. Juta, 1996. 239 pp.

## Hoofstukke in boeke/Chapters in books

DE WAAL MJ. The Law of Succession and the Bill of Rights: Private Succession and Freedom of Testation in the light of the Constitution. In: Corbett MM, (ed.). *Butterworths Bill of Rights Compendium*. Butterworths, 1996: 3G1-3G26.

DE WAAL MJ. Servitudes. In: Zimmermann R, Visser D, (eds). *Southern Cross: Civil Law and Common Law in South Africa*. Oxford University Press/Juta, 1996: 785-817.

ERASMUS HJ. The Interaction of Substantive Law and Procedure. In: Zimmermann R, Visser D, (eds). *Southern Cross: Civil Law and Common Law in South Africa*. Oxford University Press/Juta, 1996: 141-161.

LUBBE GF. Voidable contracts. In: Zimmermann R, Visser D, (eds). *Southern Cross: Civil Law and Common Law in South Africa*. Oxford University Press/Juta, 1996: 261-302.

VAN DER MERWE CG. Diere as misdadigers! In: Van Wyk CW, (ed.). *Nihil Obstat: Feesbundel vir WJ Hosten*. Butterworths, 1996: 217-224.

VAN DER MERWE CG. Original modes of acquisition of ownership. In: Zimmermann R, Visser D, (eds). *Southern Cross: Civil Law and Common Law in South Africa*. Oxford University Press/Juta, 1996: 701-725.

## Projekte lopend/Projects current

DANSCHKE BC. *Trustees ingevolge Deeltitelwetgewing*. Magister Studieleier: Prof CG van der Merwe.

DU TOIT F. *Testeervryheid in die SA Reg in die lig van 'n menseregtehandves*. Doktorale promotor: Prof MJ de Waal.

GROBBELAAR C. *Parallele invoere in die mededingingsreg*. Magisterstudieleier: Prof MM Loubser.

HUMAN CS. *Die ouer-kind verhouding in die Suid-Afrikaanse Reg*. Doktorale promotor: Prof MJ de Waal.

POTGIETER F. *Die verdeling van die Pensioenbelang by egskeiding*. Magister studieleier: Prof MJ de Waal.

STRYDOM JJ. *Regsaspekte van die Bestuur van 'n Deeltitelskema*. Doktorale promotor: Prof CG van der Merwe.

WICKE H. *Vicarious liability in South African law*. Magister studieleier: Prof MM Loubser.

## publiekreg / public law

### Tydskrifartikels/Journal articles

DE WAAL HJ, ERASMUS MG. The constitutional jurisprudence of South African courts on the application, interpretation and limitation of fundamental rights during the transition. *Stellenbosch Law Review/Regstydskrif* 1996; **7**(2): 179-210.

DU PLESSIS LM. The Bill of Rights in the working draft of the new Constitution: An evaluation of aspects of a constitutional text sui generis. *Stellenbosch Law Review/ Regstydskrif* 1996; **7**(1): 3-24.

DU PLESSIS LM. A Christian assessment of aspects of the Bill of Rights in South Africa's final constitution. *Journal of Theology for Southern Africa* 1996; (96): 59-74.

DU PLESSIS LM. Hoofregter: Die ou vs die nuwe bedeling. *Insig* 1996; (November): 9-10.

DU PLESSIS LM. Legal academics and the open community of constitutional interpreters. *South African Journal on Human Rights* 1996; **12**(2): 214-229.

DU PLESSIS LM. 'n Nuwe struggle vir almal. *Insig* 1996; (September): 9.

DU PLESSIS LM. Protection of the elderly under the constitution. *Social Work/Maatskaplike Werk* 1996; **32**(1): 45-52.

DU PLESSIS LM. 'n Waardebeoordeling van 'n waardemanifes: Die menseregtehandves in Suid-Afrika se finale Grondwet. *Woord en Daad* 1996; **36**(37): 2-4.

DU PLESSIS LM, BONTHUYS E. Observations on the conceptualisation and definition of legitimacy in a legal context. *Stellenbosch Law Review/Regstydskrif* 1996; **7**(2): 217-230.

RABIE MA. Aspects of administrative appeals to environmental courts and tribunals continued. *Stellenbosch Law Review/Regstydskrif* 1996; **7**(1): 61-84.

RABIE MA. Green issues, blueprints, green and white papers. *Tydskrif vir Hedendaagse Romeins-Hollandse Reg* 1996; **59**(4): 650-661.

RABIE MA. Integrated water and land management. *SA Publiekreg/SA Public Law* 1996; **11**: 321-354.

RABIE MA. Water law research and reform. *Stellenbosch Law Review/Regstydskrif* 1996; **7**(2): 231-248.

RABIE MA, DE VILLE JR. Legal control of outdoor advertisements. *Tydskrif vir Hedendaagse Romeins-Hollandse Reg (Journal of Contemporary Roman-Dutch Law)* 1996; **59**(4): 436-457.

VAN DER MERWE SE. Impeaching the credibility of your own witness. *Obiter* 1996; **17**(2): 238-246.

VAN DER MERWE SE. 'n Konstitusionele perspektief op die toelaatbaarheid van getuienis wat met behulp van hipnose herwin is. *Obiter* 1996; **17**(1): 1-15.

### **Verrigtinge nasionaal/Proceedings national**

DE WAAL HJ. *Procedural fairness and the deprivation of liberty: Is there a general right to due process in South Africa?* South Africa in Transition Series No 4. Verloren van Themaat Centre, UNISA, 1996: 38-65.

MURRAY C, ERASMUS MG. *General overview and impressions of the process of constitution-making*. Seminar Report: Aspects of Constitutional Development in South Africa: The First Working Draft of the Final Constitution. University of the Orange Free State, 1995: 5-10.

### **Referate internasionaal/Papers international**

DU PLESSIS LM. *An evaluation of the new (final) South African Constitutional dispensation and dynamics from a Christian perspective*. International Conference on Christianity and Democracy in South Africa. Potchefstroom, 1996.

DU PLESSIS LM. *South African experiences*. International Research Workshop on Federalism and Decentralization in East and Central Europe (An Analysis of the Applicability of Western Models of Federalism for Central and Eastern Europe). George C Marshall European Centre for Security Studies in samewerking met die European Centre for Research on Federalism, Garmisch-Partenkirchen, Duitsland, 1996.

ERASMUS MG. *Aspects of a debate of the new South African Constitution. The new South African Constitution: Background and processes of constitution-making: More unitary or more federal?* University of Transkei, Umtata, 1996.

FERIS LA. *Hate speech in the New South African Constitution*. Annual Conference on Law Related Education, American BAR Association. Chicago, USA, 1996.

RABIE MA. *Integrated water and land management in South Africa*. International Conference on Water and Land Management. Brisbane, Australia, 1996.

### **Referate nasionaal/Papers national**

DE WAAL HJ. *Die howe en hul jurisdiksie*. Seminaar oor nuwe Grondwet vir Regspraktisyns. Universiteit van Stellenbosch, 1996.

DE WAAL HJ. *Die nuwe handves van Menseregte*. Seminaar oor nuwe Grondwet vir Regspraktisyns. Universiteit van Stellenbosch, 1996.

DU PLESSIS LM. *Legal academics and the open community of constitutional interpreters*. Kongres van Universiteitsdosente in die Regte. Universiteit van Wes-Kaapland, 1996.

DU PLESSIS LM. *Menseregte in die skadu's en skanse van die ivoortoring ('n Akademiese waardering van enkele fasette van menseregtebeskerming in Suid-Afrika se finale Grondwet)*. Stellenbosse Forumlesing (nr. 96/7). Stellenbosch, 1996.

ERASMUS MG. *Nuwe regeringstrukture*. Seminaar oor nuwe Grondwet vir Regspraktisyns. Universiteit van Stellenbosch, 1996.

ERASMUS MG. *Oorsigtelike skets van die nuwe Grondwet*. Seminaar oor Nuwe Grondwet vir Regspraktisyns. Universiteit van Stellenbosch, 1996.

### **Hoofstukke in boeke/Chapters in books**

DE WAAL HJ. Afrikaner perceptions of self-realization. In: Thomas P, (ed.). *Making Minority Rights Work*. 1996.

DE WAAL HJ. Voting rights, citizens' rights and political rights. In: Chaskalson M, et al, (eds). *Constitutional Law of South Africa*. Juta, 1996: 23-1 - 23-8.

DU PLESSIS LM. Religious human rights in South Africa. In: Van der Vyfer JD, Witte J, (eds). *Religious Human Rights in Global Perspective: Legal Perspectives*. The Hague/Boston/London Nijhoff, 1995: 441-466.

RABIE MA. Environmental conservation. In: Joubert WA, Faris J, Harms LTC, Rabie PJ, (eds). *The Law of South Africa*. Butterworths, 1996: 87-232.

RABIE MA. Interim developments. In: Fuggle RF, Rabie MA, (eds). *Environmental management in South Africa*. Juta, 1992: 827-837.

VAN DER MERWE SE. Bail. In: Du Toit E, De Jager FJ, Paizes AP, Skeen AStQ, Van der Merwe SE, (eds). *Commentary on the Criminal Procedure Act: Revision Service 17 of 1996*. Juta, 1996: 9-1 - 9-45.

### **Projekte afgehandel/Projects completed**

DE WAAL HJ, ERASMUS MG, CURRIE I, VAN RIET, C. *Human Rights Practice. Course material for the teaching of Human Rights Practice to candidate attorneys*.

### **Projekte lopend/Projects current**

DE WAAL HJ. *A comparative analysis of German Human Rights Jurisprudence for South African Lawyers*. Doktorale promotor: Prof D van Wyk.





# FAKULTEIT TEOLOGIE FACULTY OF THEOLOGY

---

## diakoniologie / practical theology

### Tydskrifartikels/Journal articles

HANEKOM AR, HENDRIKS HJ. Belydenisaflegging as oorgangsritueel. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **37**(4): 642-652.

HENDRIKS HJ. Diversity and pluralism in the church: A theory for enhancing reconciliation and unity. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **37**(3): 386-395.

HENDRIKS HJ. Kerkspieël en die NG Kerk statistiek in die wyer perspektief van die Suid-Afrikaanse bevolkingsensusse. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **37**(1): 138-145 en **37**(3): 479-486.

HENDRIKS HJ. Modernisme: Ten diepste ons identiteit? *In die Skriflig* 1996; **30**(4): 1-13.

LOUW DJ. Guilt and change - the healing power of forgiveness. *Scriptura* 1996; **59**: 383-395.

LOUW DJ. Metaphoric theology and God images in a hermeneutics for pastoral care and counselling. *Skrif en Kerk* 1996; **17**(1): 114-142.

LOUW DJ. Praktiese Teologie in sosiologiese perspektief - enkele kritiese vrae met die oog op teologiese teorievorming. *Praktiese Teologie in Suid-Afrika* 1996; **11**(1): 23-37.

LOUW DJ, SMIT AT. Die operasionalisering van die begrip "spiritualiteit" in die vergaderings van die gemeentelike leierskap. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **37**(3): 468-478.

MARAIS JF, HENDRIKS HJ. What happens when congregations try to change their identity? *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **37**(1): 146-151.

MÜLLER BA, FOURIE WA. Liturgies-homiletiese beplanning: Die erediens as konteks vir preekbeplanning in die gemeentebouproses. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **37**(3): 375-385.

MÜLLER BA, VOS JB. Begrafnisprediking: Beginsel, praktyk . . . en opgawe. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **37**(2): 298-309.

### Verrigtinge nasionaal/Proceedings national

LOUW DJ. *Egskeiding en daarna: 'n Praktykgerigte perspektief. Die huwelik*, 1996: 136.

LOUW DJ. *Huweliksvoorbereiding en -sluiting: 'n Teologiese perspektief. Die huwelik*, 1996: 48-49.

LOUW DJ. *Wat laat 'n huwelik misluk? 'n Praktykgerigte perspektief. Die huwelik*, 1996: 105-106.

LOUW DJ. *Wat laat 'n huwelik werk? 'n Teologiese perspektief. Die huwelik*, 1996: 71.

## **Referate nasionaal/Papers national**

HENDRIKS HJ. *Kerkspieël IV en NGK statistiek in die wyer perspektief van die Suid-Afrikaanse bevolkingsensusse 1911-1991*. Referaat gelewer by die Jaarvergadering van die Werkgemeenskap vir Praktiese Teologie. Pretoria, 1996.

LOUW DJ. *Diakonaat in skeppingsperspektief: Die ekologiese aspek van pastorale sorg*. Werkgemeenskap vir Praktiese Teologie. Pretoria, 1996.

LOUW DJ. *Pastoral care in an African context - a systemic model and contextual approach*. The South African Academy of Religion. Johannesburg, 1996.

## **Boeke/Books**

CILLIERS J. *Die uitwissing van God op die kansel. Ontstellende bevindinge oor Suid-Afrikaanse prediking*. Lux Verbi, 1996. 145 pp.

## **Hoofstukke in boeke/Chapters in books**

LOUW DJ. Skrifgebruik in die pastorale gesprek en beraad: 'n Organiese model. In: Nel M, (red.). *Prediking: Kommunikasie in konteks*. Makro Boeke, 1996: 135-171.

MÜLLER BA. Hand. 10 in sendingperspektief. In: Burger CW, Müller BA, Smit DJ, (reds.). *Woord teen die lig*. Lux Verbi, 1996; 1(10): 23-32.

MÜLLER BA. Profetiese prediking op weg na 2000<sup>+</sup>. In: Nel M, (red.). *Prediking: Kommunikasie in konteks*. Makro Boeke, 1996: 47-78.

## **Doktoraal afgehandel/Doctoral completed**

COETZEE G. *Pastoraat aan die lidmaat met angs*. D.Th., 1996. 375 pp. Promotor: Prof DJ Louw.

VAN DER VYVER JG. *Supervisie in klinies-pastorale opleiding*. D.Th., 1996. 335 pp. Promotor: Prof DJ Louw.

## **Magister afgehandel/Master's completed**

BARRY TDvR. *'n Pastorale evaluering van die mensbeeld binne 'n persoonsgesentreerde benadering*. M.Th., 1996. 40 pp. Studieleier: Prof DJ Louw.

BOTHA AD. *Die gebruik van transaksionele analise in pastorale beraad.* M.Th., 1996. 93 pp. Studieleier: Prof DJ Louw.

HEYNEMAN M. *Die pastoraat aan die adolessent in 'n postmodernistiese konteks met besondere klem op die gelykenis as model vir die pastoraat.* M.Th., 1996. 93 pp. Studieleier: Prof DJ Louw.

REYNEKE CJS. *Die pastorale begeleiding van die persoon wat afgedank is.* M.Th., 1996. 74 pp. Studieleier: Prof DJ Louw.

VAN VELDEN W. *'n Groeimodel vir die ontwikkeling van spiritualiteit tydens die vormings- en ordeningsfase van rouSMART.* M.Th., 1996. 114 pp. Studieleier: Prof DJ Louw.

VILJOEN HC. *Die narratiewe benadering as modus vir effektiewe Skrifbenutting in pastorale terapie.* M.Th., 1996. 87 pp. Studieleier: Prof DJ Louw.

### **Projekte lopend/Projects current**

BRAND M. *Die invloed van 'n Bybelse perspektief op liefde op 'n etiese model in die ontwikkeling van lewensvaardighede by die hoërskoolkind.* Doktorale promotor: Prof DJ Louw.

BRUINTJIES AJ. *Konflikhantering in huwelikspastoraat binne 'n multikulturele samelewingsverband.* Magister studieleier: Prof DJ Louw.

CARTLEDGE B. *The role of group dynamics in a pastoral approach to marriage enrichment.* Doktorale promotor: Prof DJ Louw.

CHUNG KIM C-S. *A biblical perspective on the role of Korean women in the family within the context of modernity.* Doktorale promotor: Prof DJ Louw.

DAMSELL WE. *The constructive development of a Bible College curriculum in a situation of change.* Doktorale promotor: Prof BA Müller.

DOUGLAS D. *Die funksie van J Fowler se geloofsontwikkelingsteorie in die pastorale hantering van geloofspatologie.* Doktorale promotor: Prof DJ Louw.

DU PREEZ JP. *Die groeibeginsel in huweliksverrykingsmodelle.* Magister studieleier: Prof DJ Louw.

DU TOIT BWG. *Die verband tussen Godsvoorstelling en geloofsbeleving binne 'n pastorale hermeneutiek.* Doktorale promotor: Prof DJ Louw.

DU TOIT PA. *Kleuters se persepsie van hulle lidmaatskap van die gemeente.* Magister studieleier: Dr JMG Prins.

FRANK ME. *The African notion of sickness and death in pastoral care to the dying.* Doktorale promotor: Prof DJ Louw.

GREYLING C. *Die verband tussen psigoterapie en spiritualiteit.* Magister studieleier: Prof DJ Louw.

HAN CK. *Didactic preaching as an instrument in developing a local theology for a faith community.* Doktorale promotor: Prof BA Müller.

HENDRIKS HJ. *Lidmaatskaptendense en bedieningsaanpassings in 'n groot plattelandse gemeente en bediening.*

HENDRIKS HJ. *Lidmaatskaptendense en bedieningsaanpassings in 'n klein plattelandse gemeente en bediening.*

HENDRIKS HJ. *Moral leadership for social transformation.*

HENDRIKS HJ, VAN RENSBURG GFJ. *Makrogemeentes: Groei- en kwyntendense asook bedieningsproblematiek en aanpassings.*

JOUBERT J. *The impact of the Seventh-Day Adventist Church's religious thinking on the interplay between personality type and God images.*  
Doktorale promotor: Prof DJ Louw.

KIM SS. *Preaching in a marginal situation of change.* Doktorale promotor:  
Prof BA Müller

KLOPPERS JS. *'n Evaluering van die antropologie grondliggend aan "The divine plumbline"-kursus met die oog op "innerlike genesing" by lidmate.*  
Magister studieleier: Prof DJ Louw.

KOO P. *Practical Theology within the context of Taiwanese culture.* Magister studieleier: Prof DJ Louw.

LEE SH. *Preaching in the Korean situation of change.* Magister studieleier:  
Prof BA Müller.

LOUW DJ. *Diagnose as faktor in pastorale gesprekvoering met die oog op die ontwikkeling van spiritualiteit.*

LOUW DJ. *Die integrasie van die sisteemteorie in gesinspastoraat (Ontwerp van 'n bedieningsmodel vir gesinsverryking).*

LOUW DJ. *Kriteria vir 'n pastorale diagnose van Godskonsepte in die ontwikkeling van geloofsvolwassenheid.*

LOUW DJ. *Kruis-kulturele pastoraat binne 'n Afrika-konteks.*

LOUW DJ. *Die ontwerp van 'n eiesoortige pastorale strategie met betrekking tot huweliksberaad en huweliksverryking.*

LOUW DJ. *Die rol en invloed van Godskonsepte in geloofsgedrag.*

LUDIJK CB. *Die hantering van diversiteit in gemeentebouprosesse.* Doktorale promotor: Dr HJ Hendriks.

MARAIS F. *Identiteit en transformasie by R Niebuhr.* Doktorale promotor:  
Prof BA Müller.

McMASTER L. *Werkloosheid as 'n pastorale vraagstuk.* Magister studieleier:  
Prof DJ Louw.

MÜLLER BA. *Prediking in 'n situasie van verandering.*

POTGIETER HP. *Die mikrogemeente as basiese struktuur vir kerklike vernuwing in die Nederduitse Gereformeerde Kerk*. Doktorale promotor: Dr HJ Hendriks.

POTGIETER WD. *Geloofsleiding aan die homoseksuele man in koinoniale verband*. Doktorale promotor: Prof DJ Louw.

PRINS JGM. *Geloofsoortuigings en morele gedrag by die adolessent*.

PRINS JGM. *Postmodernistiese invloede op die godsdiensbeleving van die adolessent en die implikasies daarvan vir die kerklike jeugbediening*.

PRINS JGM. *Die skepping van intergeneratiewe betrokkenheid in die gemeente*.

RABE NG. *Geen-tegnologie in skeppingsperspektief: 'n Pastoraal-etiese beoordeling*. Doktorale promotor: Prof DJ Louw.

ROGERS S. *Health, the neglected aspect of pastoral care*. Magister studieleier: Prof DJ Louw.

SHIM YK. *Pastoral care and counselling to children within the cultural context of the Korean church*. Doktorale promotor: Prof DJ Louw.

SIMPSON NW. *'n Teorie oor die proses van Christelike godsdiensige geloofsvorming binne die geloofsgemeenskap*. Doktorale promotor: Dr HJ Hendriks.

SLABBERT N. *'n Prakties-teologiese rekonstruksieteorie vir transformatiewe handelinge binne die samelewing*. Magister studieleier: Prof DJ Louw.

SON CM. *Empirical research within a hermeneutical approach in practical theology*. Magister studieleier: Prof DJ Louw.

SWANEPOEL PA. *Die invloed van postmodernisme op die teorievorming in die pastorale teologie*. Magister studieleier: Prof DJ Louw.

TEN HAAF W. *'n Ondersoek na die eiesoortige spiritualiteit grondliggend aan die sogenaamde "doodsverlange" binne die reformatoriese tradisie met besondere verwysing na M. Luther se "Tessaradecas consolatoria pro laborantibus et oneratis" van 1520 en 1535/6 en J. Calvyn se Psychopannychia van 1534*. Magister studieleier: Prof DJ Louw.

THESNAAR CH. *Pastorale terapie binne die transformasieprosesse van die Suider-Afrikaanse lewensbestel*. Doktorale promotor: Prof DJ Louw.

TRUTER D. *The quest for a dispositional ethics in pastoral care*. Magister studieleier: Prof DJ Louw.

VAN DER MERWE DCL. *'n Empiriese ondersoek na Godsvoorstelling by adolessente binne die konteks van 'n pastorale diagnose*. Magister studieleier: Prof DJ Louw.

VAN DER MERWE GB. *Jeugprediking en die opbou van waardes*. Magister studieleier: Prof BA Müller.

VAN DER MERWE PWA. *Gemeentelike konflikthantering, 'n prakties-teologiese ondersoek*. Doktorale promotor: Dr HJ Hendriks.

VAN DEVENTER GJ. *Die funksie van die huisgesin van God metafoor vir die praktiese-teologiese ekklesiologie*. Doktorale promotor: Dr HJ Hendriks.

VAN GREUNEN AJ. *Etiëk as vraagstuk in die pastorale beraad*. Magister studieleier: Prof DJ Louw.

VAN HEERDEN HJG. *The healing power of positive thinking in pastoral care*. Doktorale promotor: Prof DJ Louw.

VAN HUYSTEEN IL. *Skuldpastoraat in die fase van middel-adolessensie*. Doktorale promotor: Dr JMG Prins.

VAN SCHOOR JC. *Die invloed van die Skriftuurlike konsep van lewe op die pastoraat met betrekking tot die aborsievraagstuk*. Doktorale promotor: Prof DJ Louw.

YOO B.C. *Narrative preaching in Asian culture*. Magister studieleier: Prof BA Müller.

## **dogmatologie / dogmatology**

### **Tydskrifartikels/Journal articles**

THERON PF. Die betroubaarheid van die Skrif en sekerheid. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **XXXVII**(3): 404-413.

THERON PF. Liberating humour - Calvinism and the comic vision. *Nederduitse Gereformeerde Teologiese Tydskrif* 1995; **XXXVI**(4): 593-603.

VAN DER MERWE IJ, THERON PF. Liturgie en eskatologie - Die betekenis van Moltmann se denke vir die liturgie. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **XXXVII**(3): 456-467.

### **Referate internasionale/Papers international**

DU TOIT DA. *The role of the Church in the democratisation of the state*. International Conference of the Centre for International and Comparative Politics at the University of Stellenbosch. Cape Town, 1996.

### **Doktoraal afgehandel/Doctoral completed**

CILLIERS WJ. *Die verhouding Woord, Gees en geloof volgens Helmut Thielicke - 'n kritiese beskouing van sy soteriologie*. D.Th, 1996. 210 pp. Promotor: Prof PF Theron.

MEYER O. *Tussen stilte en ekstase: Die spiritualiteit van KH Miskotte in die spanningsveld van die mistiek en die charismatiese spiritualiteit*. D.Th, 1996: 264 pp. Promotor: Prof PF Theron.

### **Projekte lopend/Projects current**

BRINK MR. *Die etiese aspekte van genetiese manipulasie*. Magister studieleier: Prof DA du Toit.

CHEONG IT. *Christian ethics in Modern Korea*. Doktorale promotor: Prof DA du Toit.

CILLIERS AP. *Die wisselwerking tussen Godsbeskouing en die sosio-ekonomiese konteks in Suid-Afrika*. Doktorale promotor: Prof PF Theron.

GAVERA JP. *The theology of Hendrikus Berkhof - an analysis of a design of a modern theology of mediation*. Doktorale promotor: Prof PF Theron.

HODNETT GD. *Ontology and New Being: A study of the relationship between creation and redemption in the theology of AA van Ruler and Paul Tillich*. Doktorale promotor: Prof PF Theron.

SONG CI. *The relationship between affluency and social justice in a situation of transformation*. Doktorale promotor: Prof DA du Toit.

VAN DER MERWE IJ. *Liturgie, leer en lewe: 'n Ondersoek na die relasie liturgiek en mistiek by AA van Ruler, G van der Leeuw en O Noordmans*. Doktorale promotor: Prof PF Theron.

VAN DER WALT PJ. *Openbaring en ervaring. 'n Ondersoek na HM Kuitert se verantwoordings van die geloof in die Christelike tradisie*. Doktorale promotor: Prof PF Theron.

VAN TONDER DF. *Die verhouding tussen staat en kerk in die Gereformeerde Teologie*. Doktorale promotor: Prof DA du Toit.

## **ekkesiologie / ecclesiology**

### **Tydskrifartikels/Journal articles**

LUBBE JJ. 'n Bok vir Asasel? In gesprek oor 'n Suid-Afrikaanse aanklag teen Abraham Kuyper. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **XXXVII**(2): 257-285.

### **Hoofstukke in boeke/Chapters in books**

COERTZEN P. Gereformeerde Kerkreg en Demokrasie/Menseregte in die Kerk. In: Neuser WM, Selderhuis HJ, (reds.). *Ordentlich und Fruchtbar, Festschrift für Willem van't Spijker*. JJ Groen en Zoon BV, Leiden, 1996: 129-139.

### **Projekte afgehandel/Projects completed**

COERTZEN P. *Die Ampte in die Kerk*.

COERTZEN P. *Handleiding by die Kerkorde van die Nederduitse Gerformeerde Kerk*.

COERTZEN P. *Die kerkvergaderings*.

COERTZEN P. *Navorsing oor Kerkverband*.

COERTZEN P. *Teologie en Spiritualiteit ten tye van die Reformasie.*

## **Projekte lopend/Projects current**

BRINK GW. *Malan DF. An Ecclesiological study of the influences of his theology.* Doktorale promotor: Prof P Coertzen.

BROWN E. *Die agtergronde van die Nederduits-Gereformeerde tradisie.*

BROWN E. *Die geskiedenis van die Nederduitse Gereformeerde Kerk in die 20ste eeu.*

BROWN E. *Die Nederduits-Gereformeerde transisie van die 19de eeu.*

BROWN E, KUYLER DA. *'n Register van leraars wat diens gedoen het in Kaap-Hollandse en Nederduitse Gereformeerde Kerke.*

COERTZEN P. *Handleiding by die tugreglement.*

COERTZEN P. *Herformulering van die tugreglement.*

COERTZEN P. *Hugenote dokument - 'n transkripsie en annotasie van dokumente wat betrekking het op die Hugenote van Suid-Afrika.*

COERTZEN P. *Koffemans L en Torfs R. Regsbeskerming in die Nederduitse Gereformeerde Kerk en ander kerklike tradisies.*

COERTZEN P. *Die Skotse Presbiterianisme en die Nederduitse Gereformeerde Kerk.*

COERTZEN P. *Voorbereiding van Onclin-Lesings, Universiteit van Leuven.*

DE VILLIERS JS. *Die Nederduitse Gereformeerde Kerk en Ventersdorp in 'n tyd van verandering.* Magister studieleier: Prof P Coertzen.

DICKS NS. *Gereformeerde Kerkreg en die gemeentelike bediening van die leraar.* Doktorale promotor: Prof P Coertzen.

FRANKEN MC. *Die kerkhistoriese ontwikkeling van "opwekking" as 'n bedieningswyse in die Nederduitse Gereformeerde Kerk.* Doktorale promotor: Prof E Brown.

KIM HS. *The relationship between Church history and mission history, with reference to the Presbyterian Church in Korea.* Doktorale promotor: Prof E Brown.

KUYLER DA. *Die predikant in sinodale diens in die NG Kerk in Suid-Afrika - 'n Kerkhistoriese en Kerkregtelike studie.* Doktorale promotor: Prof E Brown.

MOUTON JF. *Herlewings in die NG Kerk 1849-1863. 'n Ekklesiologiese ondersoek na die aard, omvang en invloed daarvan.* Doktorale promotor: Prof E Brown.

MUTUMBURANZOU AR. *The growth of the Reformed Church in Zimbabwe from 1475-1994.* Doktorale promotor: Prof P Coertzen.



SPIES JH. *Kerkgrip en kerklike orde*. Doktorale promotor: Prof P Coertzen.

SWART FJ. *Kerk en Onderwys. 'n Kerkregtelike studie van artikel 69 van die Kerkorde (1982) van die Nederduitse Gereformeerde Kerk*. Doktorale promotor: Prof P Coertzen.

TYLER C. *The recovery of the Reformed Faith in the English speaking churches in South Africa*. Doktorale promotor. Prof E Brown.

VISSER JB. *Eerwaarde Andries Dryers as kerkhistorikus en argivaris*. Doktorale promotor: Prof E Brown.

XAPILE SP. *The quest for unity between the Bantu Presbyterian Church and the Presbyterian Church of South Africa since 1959*. Doktorale promotor: Prof E Brown.

## **nuwe testament / new testament**

### **Tydskrifartikels/Journal articles**

COMBRINK HJB. Dialogue in and with the Bible. *Scriptura* 1996; **57**(2): 193-200.

COMBRINK HJB. The reception of Matthew in Africa. *Scriptura* 1996; **58**(3): 285-303.

COMBRINK HJB. A social-scientific perspective on the parable of the 'unjust' steward (Lk 16:1-8a). *Neutestamentica* 1996; **30**(2): 273-298.

COMBRINK HJB. Translating or transforming - Receiving Matthew in Africa. *Scriptura* 1996; **58**(3): 273-284.

DU TOIT BA. Die relasie tussen die teks van die Bybel en historiese gebeure. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **37**(3): 414-426.

### **Verrigtinge internasionaal/Proceedings international**

COMBRINK HJB. *The rhetoric of sacred texts. Rhetoric, Scripture & Theology: Essays from the 1994 Pretoria Conference* 1996: 102-123.

### **Referate nasionaal/Papers national**

COMBRINK HJB. *The rhetorical function of the speech of Jesus in Matthew* 23. Jaarkongres van die Nuwe-Testamentiese Werkgemeenskap van Suid-Afrika. Pretoria, 1996.

### **Hoofstukke in boeke/Chapters in books**

COMBRINK HJB. Om te leer onderskei (Filippense 1:10). In: Burger CW, Müller BA, Smit DJ, (reds.). *Riglyne vir Prediking oor die Christelike Deugde*. Lux Verbi, Kaapstad, 1996: 58-67.

### **Doktoraal afgehandel/Doctoral completed**

KIM JS. *The rhetorical function of the parable discourse in Matthew 13*. D.Th., 1996. 274 pp. Promotor: Prof HJB Combrink.

RAS JM. *Die wederkoms van Christus in die Matteusevangelie. (The second coming of Christ in the Gospel of Matthew.)*. D.Th., 1996. 417 pp. Promotor: Prof HJB Combrink.

## Projekte lopend/Projects current

BOHNEN J. *'n Literêr-teologiese studie van die metafoor in die evangelie volgens Johannes. (A literary-theological study of the metaphor in the Gospel of John.)*. Doktorale promotor: Prof HJB Combrink.

COMBRINK HJB. *The feasibility and relevance of a socio-rhetorical approach in writing a commentary on the Gospel of Matthew*.

COMBRINK HJB. *Die kerk in Matteus. (The church in Matthew.)*

COMBRINK HJB. *Redaksiegesiedenis van die evangelies. (Redaction criticism of the Gospels.)*

COMBRINK HJB. *Verklaring van die evangelie van Matteus. (Interpretation of the Gospel of Matthew.)*

COMBRINK HJB. *Die vertolking van die Nuwe Testament in die Afrika-konteks. (The interpretation of the New Testament in the context of Africa.)*

CONRADIE JP. *Ironie as nie-letterlike kommunikasie in Matteus. (Irony as non-literary communication in Matthew.)*. Doktorale promotor: Prof HJB Combrink.

DU TOIT BA. *Die beoefening van Kanoniese Kritiek as deel van 'n Gereformeerde Skrifbeskouing. (The use of canonical criticism as part of a Reformed view of Scripture.)*

DU TOIT BA. *Die interpretasie van die boek Openbaring met die oog op 'n hedendaagse konteks. (The interpretation of Revelation with a view to the current context.)*

DU TOIT BA. *Moderne Skrif- en teksbeskouings en herformulering van tradisionele formulering van die Skrifgesag met die oog op Skrifgebruik in die Nuwe Testamentiese vakdissipline. (Modern views on text and Scripture and a reformulation of traditional views on the authority of Scripture with a view to the use of Scripture in New Testament studies.)*

DU TOIT P la G. *Die semantiese valensie en retoriese en teologiese belang van die "beklee"-tekste in briewe van Paulus as belangrike komponent in sy parenese. (The semantic valency and the rhetorical importance of the "clothe texts" in the Pauline letters as an important element in his paraenesis.)*  
Magister studieleier: Prof HJB Combrink.

KIM JS-H. *The interaction of koinonia and zoe in 1 John - a linguistic-rhetorical reading*. Doktorale promotor/medepromotor: Prof HJB Combrink/prof JP Louw.

NA K-S. *The mission perspective of the Sermon on the mount (Mt 5-7)*. Doktorale promotor/medepromotor: Prof CM Pauw/prof HJB Combrink.

NEL MJ. *Vergifnis en versoening by Paulus en Matteus. (Forgiveness and reconciliation in Paul and Matthew.)*. Doktorale promotor: Prof HJB Combrink.

PUNT J. *Paul on freedom: Implications for theological reflection*. Doktorale promotor: Prof BC Lategan.

RO J. *The function of prophecy in the Corinthian community*. Doktorale promotor/ medepromotor: Prof HJB Combrink/prof SJ Kistemaker.

SUH SI. *The significance of the recent outpouring of the Holy Spirit in Acts: A literary and socio-historical study*. Doktorale promotor/medepromotor: Prof HJB Combrink/dr BA du Toit.

## ou testament / old testament

### Tydskrifartikels/Journal articles

BOSMAN HL. Redefined prophecy as Deuteronomic alternative to divination in Deut. 18:9-22. *Acta Theologica* 1996; **16**(1): 1-23.

DEARMAN JA. The 'border' area between, Amon, Moab and Israel in the Iron Age. *Old Testament Essays* 1996; **9**(2): 204-212.

DEARMAN JA. The prophet in Jerusalem: Archaeology and cultural profile. *Journal of Northwest Semitic Languages* 1996; **22**(1): 59-71.

JONKER LC. Reading Jonah multi-dimensionally. A multidimensional reading strategy for Biblical interpretation. *Scriptura* 1996; **59**: 397-410.

O'KENNEDY DF. Prayer: An integral part of the Old Testament. *Scriptura* 1996; **59**: 421-433.

O'KENNEDY DF. Solomon's prayer (1 Kings 8:22-53) from a historical geographical perspective. *Old Testament Essays* 1996; **9**(2): 224-236.

OLIVIER JPJ. God as friendly patron: Reflections on Isaiah 5:1-7. *In die Skriflig* 1996; **30**(3): 293-303.

OLIVIER JPJ. Money matters: Some remarks on the economic situation in the Kingdom of Judah during the seventh century BC. *Old Testament Essays* 1996; **9**(3): 451-464.

OLIVIER JPJ. Putting the Holy Land on the map. *Old Testament Essays* 1996; **9**(2): 237-248.

OLIVIER JPJ. Rendering yadīd as benevolent patron in Isaiah 5:1. *Journal of Northwest Semitic Languages* 1996; **22**(2): 59-65.

OLIVIER JPJ. Spatial awareness: An essential element of historical understanding in Old Testament studies. *Old Testament Essays* 1996; **9**(2): 249-260.

TIMM S. 'Gott kommt von Teman, der Heilige vom berg Paran' (Habakuk 3:3) - und archäologisch Neues aus dem äussersten Süden (Tell el-Meharret). *Old Testament Essays* 1996; **9**(2): 308-333.

TURNER EA. The foreign idols of Deutero-Isaiah. *Old Testament Essays* 1996; **9**(1): 111-128.

### **Referate internasionaal/Papers international**

OLIVIER JPJ. *The Old Babylonian edicts of economic redress and their impact on the Old Testament*. International Conference on Reconciliation and Restitution: An Old Testament Perspective. Stellenbosch, 1996.

### **Referate nasionaal/Papers national**

JONKER LC. *Bridging the gap between Bible readers and 'professional' exegetes*. Ou-Testamentiese Werkgemeenskap van SA. Stellenbosch, 1996.

O'KENNEDY DF. *Forgiveness as the postponement of judgement (Amos 7:1-6)*. Ou-Testamentiese Werkgemeenskap van SA. Stellenbosch, 1996.

ZULU E. *Reconciliation from an African perspective: An alternative view*. Ou-Testamentiese Werkgemeenskap van SA. Stellenbosch, 1996.

### **Boeke/Books**

JONKER LC. *Exclusivity and variety. Perspectives on multi-dimensional exegesis*. Kok Pharos, 1996. 408 pp.

### **Doktoraal afgehandel/Doctoral completed**

STRIJDOM PDF. *Social injustice and the prophet Amos*. D.Th., 1996. 407 pp. Promotor: Prof JPJ Olivier.

### **Projekte afgehandel/Projects completed**

BOSMAN HL. *Egbreuk in die Ou Testament*.

BOSMAN HL. *Die Regabiete in onlangse Ou-Testamentiese navorsing*.

OLIVIER JPJ. *The OB Mesarum and reconciliation and restitution*.

### **Projekte lopend/Projects current**

BOSMAN HL. *Die interpretasie van die Ou Testament in Afrika*.

BOSMAN HL. *Kommentaar op die boek Eksodus*.

BOSMAN HL. *Myth and metaphor: Northrop Frye and the interpretation of the Psalms*.

BOSMAN HL. *Die samehang van God- en mensbeeld in die Psalms*.

JARDINE G. *The interpretation of the book of Jonah and the sign of Jonah*. Magister studieleier: Prof HL Bosman.

KAWALE WR. *God and nature in Chewa cosmogony*. Doktorale promotor: Prof HL Bosman.

KRUGER LH. *The reference to women of the Old Testament in the Demonstrations of Aphrahat the Persian sage*. Doktorale promotor: Prof HL Bosman.

MANDA WJC. *A narratological interpretation of Old Testament and African proverbs*. Doktorale promotor: Prof HL Bosman.

OLIVIER JPJ. *The concept of Latifundien in landownership in the Holy Land under Ottoman rule*.

OLIVIER JPJ. *Die implikasies van oud-Israel se ekonomiese stelsel vir die moderne debat oor sosiale waardes*.

OLIVIER JPJ. *Phoenician expansion and its significance for 9th Century Israel*.

OLIVIER JPJ. *Die studie van rapporte oor opgrawings by Wadi eth Themed*.

OOSTHUIZEN RdeW. *Argeologie en die interpretasie van die slawewetgewing in die Ou Testament*. Doktorale promotor: Prof JPJ Olivier.

RATHBONE M. *Postmoderniteit en outoriteit: Leser-responsteorie en retoriese hermeneutiek vir 'n multidimensionele verstaan van die Ou Testament*. Magister studieleiers: Proff HL Bosman en JPJ Olivier.

SMIT M. *Die betekenis van die Annales-skool vir die beoefening van Siro-Palestynse argeologie*. Magister studieleier: Prof JPJ Olivier.

TURNER EA. *A Literary reading of Nehemiah 5 against the background of the socio-economic situation in Judah during the reign of the Achaemenids*. Doktorale promotor: Prof JPJ Olivier.

VAN DER MERWE MAV. *Priesters en Godsbeeld: 'n Retoriese lees van Maleagi 1:6 - 2:9*. Doktorale promotor: Prof HL Bosman.

VILJOEN SJ. *Die psigologiese interpretasie van Ou-Testamentiese wysheidsliteratuur*. Magister studieleier: Prof JPJ Olivier.

ZULU E. *A theological critique of the role of ancestors within Israelite world view and religion*. Doktorale promotor: Prof HL Bosman.

## **sendingwetenskap / missiology**

### **Tydskrifartikels/Journal articles**

DU PREEZ J. All things new: Notes on the church's mission in the light of Revelation 21:1-8. *Missionalia* 1996; **24**(3): 358-371.

DU PREEZ J. 'n Lam vir die wêreld. *Tydskrif vir Geesteswetenskappe* 1995; **35**(4): 293-297.

DU PREEZ J. Psalm 22: Deur lydensmart tot jubelgetuienis. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **37**(1): 19-26.

PAUW CM. Ecumenical cooperation at the grass roots. An evaluative case study involving the Council for Church Cooperation in Stellenbosch. *Missionalia* 1996; **24**(2): 208-224.

PAUW CM. Traditional African economies in conflict with Western Capitalism. *Skrif en Kerk* 1996; **17**(2): 373-387.

VAN ZYL K, PAUW CM. Die belang van veldnavorsing met die oog op effektiewe radiosending. *Nederduitse Gereformeerde Teologiese Tydskrif* 1996; **37**(1): 185-192.

## **Referate internasionaal/Papers international**

PAUW CM. *Traditional African economies in conflict with Western Capitalism*. IXth International Association for Mission Studies (IAMS) Conference. Buenos Aires, Argentina, 1996.

## **Hoofstukke in boeke/Chapters in books**

DU PREEZ J. Die New Age. In: Meiring P, (red.). *Suid-Afrika, land van baie godsdienste*. Kagiso Uitgewers, 1996: 194-209.

DU PREEZ J. The New Age. In: Meiring P, (ed.). *A world of religions (A South African perspective)*. Kagiso Publishers, 1996: 204-219.

DU PREEZ J. Openbaring 21:1-8. In: Burger C, Müller BA, Smit DJ, (reds.). *Woord teen die lig*. Lux Verbi, 1996; **1**(10): 68-80.

## **Magister afgehandel/Master's completed**

VERMEULEN P. *Mission in Christ's way: An incarnational model for mission*. M.Th., 1996. 130 pp. Studieleier: Prof CM Pauw.

## **Projekte lopend/Projects current**

CHIRAIRO L. *Feminine spirituality in an African context - a theological assessment*. Doktorale promotor: Prof CM Pauw.

DU PREEZ J. *Geregtigheid teenoor die aarde as 'n aspek van die missionêre taak van die kerk. 'n Bybels-teologiese ondersoek*.

DU PREEZ J. *Die verhouding van die Christelike godsdiens tot ander wêreldgodsdienste*.

JEON Y-U. *Theological theories in South Korean churches for mission in North Korea*. Doktorale promotor: Prof CM Pauw.

KIM NS. *The witness and growth of the Korean Presbyterian Church under Japanese colonial rule*. Doktorale promotor: Prof CM Pauw.

MUSEMBI B. *The impact of a Western missionary enterprise on the development of an African church - A case study involving the Kamba people of Kenya*. Magister studieleier: Prof CM Pauw.

NA K-S. *The mission perspective of the Sermon on the Mount (Mt 5-7)*.  
Doktorale promotor: Prof CM Pauw.

NEL RW. *Van sendingobjek tot missionêre gemeente - 'n ondersoek na die selfverstaan van die Rynse Sendinggemeente, Stellenbosch, binne 'n veranderende missionêre paradigma*. Magister studieleier: Prof CM Pauw.

PAUW CM. *Gemeenskapsontwikkeling en die kerk in 'n verstedelike verband*.

PAUW CM. *Kerkvereniging binne die NG Kerk-familie en die transformasie van die sending*.

PAUW CM. *Die rol van Onafhanklike Swart Kerke in die sentrale gebied van Malawi*.

REINECKE CJ. *Paradigmaverskuiwings in die plaaslike gemeente: Die invloed van 'n veranderde heilsbegrip op die missionêre motivering van lidmate*. Magister studieleier: Prof CM Pauw.

SEOCK KO. *A model for an integrated Korean Urban Harbour Mission*.  
Magister studieleier: Prof CM Pauw.

VAN RENSBURG J. *Die gesekulariseerde stadsjeug as sendinguitdaging*.  
Magister studieleier: Prof CM Pauw.

**buro vir voortgesette teologiese  
opleiding en navorsing /  
bureau for continuing theological  
training and research**

**Boeke/Books**

BURGER CW, MÜLLER BA, SMIT DJ, (reds.). *Riglyne vir prediking oor die Christelike deugde. Woord teen die Lig III/4*. Lux Verbi, Kaapstad, 1996. 215 pp.

BURGER CW, MÜLLER BA, SMIT DJ, (reds.). *Riglyne vir Sendingprediking tussen Pinkster en Advent. Woord teen die Lig I/10*. Lux Verbi, Kaapstad, 1996. 205 pp.

BURGER CW, SIMPSON NW. *Bybelstudiegroepe: Poorte vir die Genade*.  
Lux Verbi, Kaapstad, 1996. 147 pp.

**Hoofstukke in boeke/Chapters in books**

BURGER CW. Om dankbaar te wees. In: Burger CW, Müller BA, Smit DJ, (reds.). *Riglyne vir prediking oor die Christelike deugde. Woord teen die Lig*. Lux Verbi, 1996; III(4): 194-201.

BURGER CW. Die prediking oor deugde as evangelieprediking. In: Burger CW, Müller BA, Smit DJ, (reds.). *Riglyne vir prediking oor die Christelike deugde. Woord teen die Lig*. Lux Verbi, 1996; III(4): 17-25.

**Doktoraal afgehandel/Doctoral completed**

VAN DER MERWE MAV. *Priesters en Godsbeeld: 'n Retoriese lees van Maleagi 1:6 - 2:9*. D.Th., 1996. 295 pp. Promotor/medepromotor: Prof HL Bosman/prof JPJ Olivier.

### **Projekte lopend/Projects current**

BURGER CW. *Towards a Practical Ecclesiology: Bridging the division between ideal and reality*.

BURGER CW, et al. *Geloof en geloofsvorming*.

BURGER CW, et al. *Liturgie en erediensvernuwing*.

BURGER CW, BOTMAN HR, KOOPMAN NN. *Educating for responsible citizenship: A challenge to Christian Faith communities and their systems of value formation*.

BURGER CW, VAN DER MERWE MAV, et al. *Die ontwerp van 'n Transformasieteorie vir "beplande verandering" (planned change) in geloofsgemeenskappe*.

VAN DER MERWE MAV, et al. *Bybelvaardighede vir lidmate*.

VAN DER MERWE MAV, HENDRIKS HJ, et al. *Gemeente en gemeenskap*.



# FAKULTEIT EKONOMIESE EN BESTUURSWETENSKAPPE

## FACULTY OF ECONOMIC AND MANAGEMENT SCIENCES

---

### BEDRYFSIELKUNDE / INDUSTRIAL PSYCHOLOGY

#### Tydskrifartikels/Journal articles

BEUKES JA, VOS HD. Die sielkundige kontrak: Wedersydse verwagtings tydens die aanvangsfase van militêr-akademiese studies. *Tydskrif vir Bedryfsielkunde* 1996; **22**(2); 32-37.

BOOLSEN M, THERON CC. Kennisbasisse, gebruikspatrone en gebruikshindernisse ten opsigte van die riglyne vir die ontwikkeling en validering van personeelkeuringsprosedures. *Tydskrif vir Bedryfsielkunde* 1996; **22**(2); 7-14.

VISSER EM, DU PREEZ R. Profiling the mature female apparel shopper. *Journal of Dietetics and Home Economics* 1996; **24**(1): 12-19.

VISSER EM, DU PREEZ R, DU TOIT JB. The mature female clothing shopper: profiles and shopping behaviour. *Tydskrif vir Bedryfsielkunde* 1996; **22**(2): 1-6.

#### Referate nasionaal/Papers national

CALITZ CJ. *Inherent information contained in our symbolic safety signs*. Sixth Conference of the Ergonomics Society of South Africa. Kemptonpark, 1996.

CALITZ CJ. *Towards a systems model of the framework of Ergonomics*. Sixth Conference of the Ergonomics Society of South Africa. Kemptonpark, 1996.

DU TOIT JB. *Community development - case studies in Guguletu and Malungeni (Transkei)*. Mini Conference of the Psychological Society. Cape Town, 1996.

DU TOIT JB. *Consumer education*. Home Economics Conference. Stellenbosch, 1996.

SPANGENBERG H, THERON CC. *A performance management audit for South African organizations*. Second Annual Congress of the Psychological Society of South Africa. Johannesburg, 1996.

#### Magister afgehandel/Master's completed

FRIEDLINGSDORF RE. *Akkomodasie van die vrou se beroepsprobleme a.g.v. regstellende aksie d.m.v. 'n werknemerbystandsprogram*. M.A., 1996. 130 pp. Studieleier: Dr A Duvenage.

SCHREUDER Y. *Die sielkundige implikasies van regstellende aksie programme*. M.A., 1996. 110 pp. Studieleier: Dr A Duvenage.

VAN DEN BERG P. *'n Bedryfsielkundige ondersoek na die verband tussen sosiale ondersteuning en beroepsaanpassing by middelvlakbestuurders*. M.A., 1996. 267 pp. Studieleier: Dr WS de Villiers.

VON KUHNE PJ. *An identification of the psychological principles underlying attitudes towards diversity in the workplace*. M.A. cum laude, 1996. 121 pp. Studieleier: Mnr HD Vos.

## **Projekte lopend/Projects current**

AVOLIO B, ENGELBRECHT AS. *A model for diversity utilization in organizations..*

BARTLETT W. *Die evaluering van spanbou intervensies as 'n faset van 'n omvattende organisasieontwikkelingsproses*. Magister studieleier: Prof AS Engelbrecht.

CALITZ CJ. *Persoonlikheid in ergonoma..*

CALITZ CJ. *Psigometriese aspekte van die MBTI persoonlikheidstelsel*.

CILLIE GG. *Produktiwiteitsonderhandelings in Suid-Afrika*. Doktorale promotor: Prof JCD Augustyn.

CROMIE H. *Vertroue in arbeidsverhoudinge*. Magister studieleier: Mnr G Cillie.

DU TOIT JB. *Developing a framework for community training and development..*

DU TOIT JB. *Rural development - skills training for the uneducated..*

HUNTER R. *Measurement and prediction of employee dishonesty*. Doktorale promotor: Dr A Duvenage.

KOTZE ME. *Graadstudie as kruispunt in die loopbaanontwikkeling van beroepsoffisiere*. Doktorale promotor: Dr A Duvenage.

MARAIS A. *The development of a diagnostic measure for affirmative literacy training*. Magister studieleier: Dr A Duvenage.

MATYANTYA VV. *Apparel shopping behaviour in Umtata and Butterworth*. Magister studieleier: Prof JB du Toit.

McELLIGOTT DL. *A sample survey of computer-based training with reference to success criteria and remedial procedures*. Magister studieleier: Me R du Preez.

MINNIE A. *'n Beskrywende studie van die werksaanpassingsprobleme van die dowe*. Magister studieleier: Mnr HD Vos.

OTTO M. *Sexual harassment of women at work*. Doktorale promotor: Prof JB du Toit.

POTGIETER A. *Die verband tussen toleransie vir kulturele diversiteit en transformasionele leierskap*. Magister studieleier: Prof AS Engelbrecht.

SCRIBANTE F. *Evaluering van die ILO/WHO ergonomic checkpoint-stelsel in Suid-Afrika*. Magister studieleier: Mnr CJ Calitz.

SIVASUBRAMANIAM N, ENGELBRECHT AS, AUGUSTYN JCD. *Strategic human resource management (SHRM) and organizational performance: a comparative analysis of United States and South African organizations..*

SMITH J. *'n Model vir regstellende aksie in die landboubedryf*. Magister studieleier: Prof JCD Augustyn.

STEENKAMP B. *Die verband tussen interpersoonlike vertroue, waargenome vertrouenswaardigheid en 'n suksesvolle vertrouensverhouding*. Magister studieleier: Prof AS Engelbrecht.

THERON CC. *An investigation into the effect of statistical corrections for random measurement error and/or nonrandom selection on the validity coefficient, statistical power, the selection decision function, selection utility and selection fairness*. Doktorale studieleier: Prof JCD Augustyn.

VAN ASWEGEN SL. *The success criteria of facilitators involved in community-based satellite distance education*. Magister studieleier: Me R du Preez.

VOS HD. *'n Ondersoek na perseptuele verskille rakende sekere kritieke aspekte van die werksgedrag van bestuurslui*. Doktorale promotor: Prof JCD Augustyn.

WESSELS CJ. *The development of an instrument with which to measure the success of affirmative action programmes in the workplace*. Magister studieleier: Dr A Duvenage.

## **EKONOMIE / ECONOMICS**

### **Vaktydskrifartikels/Journal articles**

MOORE BJ. The exogeneity of short-term interest rates: A reply to wray. *Journal of Economic Issues (JEI)* 1995; **29**(1): 258-266.

SCHOOMBEE GA. Recent developments in monetary control procedures in South Africa. *The South African Journal of Economics* 1996; **64**(1): 83-96.

SMITH A, DU PLESSIS S. Concentration in the South African manufacturing industry: Measuring both blades of the Marshallian Scissors. *Journal for Studies in Economics and Econometrics* 1996; **20**(2): 1-24.

VAN DER BERG S. Fiscal implications of the White Paper on social welfare. *Maatskaplike Werk* 1996; **32**(1): 8-19.

VAN WALBEEK CP. Excise taxes on tobacco: How much scope does the government have? *The South African Journal of Economics* 1996; **64**(1): 20-42.

VAN WALBEEK CP. Research note: Some aspects of variability and seasonality in four fresh produce markets. *Agrekon* 1996; **35**(1): 41-46.

## **Verrigtinge nasionaal/Proceedings national**

VAN DER BERG S. *Drafting the South African budget: Some views on the need for quantified planning*. In: Kotzé HJ, (ed.). *Parliamentary Dynamics: Understanding political life in the South African Parliament*. Sentrum vir Internasionale en Vergelykende Politiek, Stellenbosch, 1996: 151-156.

## **Referate internasionaal/Papers international**

McCARTHY CL. *South African trade and industrial policy in a regional context*. 16th Arne Ryde Symposium. Lund, Sweden, 1996.

MOORE BJ. *Why wage flexibility is destabilizing; a critique of Walras*. Growth in output and employment in a global economy. Fourth Post Keynesian Workshop: University of Tennessee. Knoxville, Tennessee, 1996.

TERREBLANCHE SJ. *Building consensus in the South African economy: an outline of the debate*. Conference on values and social transformation: Poland and South Africa. Neborow, Poland, 1996.

## **Referate nasionaal/Papers national**

SMITH A. *Future directions for the roll out of the Internet in South Africa*. Internet Round Table. Johannesburg, 1996.

SMITH A. *The role of competition policy in industrial policy: Some strategic choices*. National Consultative Conference on Industrial Policy. Pretoria, 1996.

## **Hoofstukke in boeke/Chapters in books**

VAN DER BERG S. Economic reconciliation as a precondition for sustained democracy. In: Rhoadie N, Liebenberg I, (eds). *Democratic nation-building in South Africa*. HSRC Publishers, 1994: 240-247.

## **Navorsingsverslae/Research reports**

JAFTA RCC, HARTZENBERG T. *The budgetary process: Reformed or not reformed?* IDASA, 1996. 20 pp.

KRUGER J. *The case for expanding the South African system of maintenance grants*. Commissioned submission to the Lund Commission of the Minister of Welfare and the provincial members of the Executive Council, 1996. 35 pp.

KRUGER J. *Economic aspects of the youth problem*. Report for the HSRC Cooperative Research Project on the Youth, Task Group: Economics. Occasional Paper, Stellenbosch Economic Project, 1995. 72 pp.

McCARTHY CL. *Regional integration in Sub-Saharan Africa: Past, present and future*. African Economic Research Consortium, 1996. 40 pp.

ROUX A, ABEDIAN I, DONALDSON A, SMIT BW, SMAL D, VAN DER BERG S, et al. *Growth, employment and redistribution: A macro-economic strategy*. Department of Finance, 1996. 56 pp.

STRYDOM PDF, SMIT BW. *Savings and investment*. African Institute for Policy Analysis and Economic Integration, 1996. 104 pp.

VAN DER BERG S. *Labour and private sector strategies for growth*. African Institute for Policy Analysis and Economic Integration, 1996. 16 pp.

## **Doktoraal afgehandel/Doctoral completed**

DE VILLIERS AP. *Effektiwiteit in Suid-Afrika se onderwysstelsel: 'n Ekonomiese analise*. Ph.D., 1996. 381 pp. Promotor: Prof S van der Berg.

## **Magister afgehandel/Master's completed**

BARBERTON CM. *The impacts of the domestic transition process on the natural environment and on household welfare*. M.A., 1996. 242 pp. Studieleier: Prof S van der Berg.

BOOYSEN FieR. *Basic needs development and democracy: A political economic model and application to the South African situation*. M.Comm., 1996. 214 pp. Studieleier: Prof S van der Berg.

STRAUSS MJ. *Host country determinants influencing the flow of FDI to developing countries, with special emphasis on South Africa*. M.Comm., 1996. 204 pp. Studieleier: Prof S van der Berg.

## **Projekte afgehandel/Projects completed**

JAFTA RCC. *The economic analysis of technology policy: A South African perspective*.

KLEP S. *Toeleveren en uitbesteden in Zuid-Afrika: De ontwikkeling van de small business sector*.

KRUGER J. *The case for expanding the South African system of maintenance grants. Commissioned research paper to the Lund Commission on Child and Family Support appointed by the Committee of the Minister of Welfare and the Provincial members of the Executive Council*.

VAN DER BERG S. *The means test for social assistance grants: Its application, fiscal risks and some recommendations*.

## **Projekte lopend/Projects current**

BAUKNECHT K. *Policy modelling with rational expectations: A South African model*. Doktorale promotor: Prof BW Smit.

BRITS A. *Institutional mechanisms affecting wage and employment determination in Namibia*. Magister studieleier: Mnr J Kruger.

CELE S. *A domestic resource cost approach to South Africa's industrial comparative advantage*. Doktorale promotor: Prof CL McCarthy.

DU PLESSIS SWF. *Nywerheidsontwikkeling in Suid-Afrika*. Magister studieleier: Prof CL McCarthy.

KAMP AK. *Mineral rents and South African industrial development*. Magister studieleier: Prof CL McCarthy.

LÖTTER JC. *Die ontwikkelingspotensiaal van die randgebiede van die PWV met spesiale verwysing na die dekonsentrasieverskynsel*. Doktorale promotor: Prof CL McCarthy.

LUIZ JM. *Political regimes and the conditions for development-oriented state interventions: A theoretical and comparative perspective with reference to South Africa*. Doktorale promotor/medepromotor: Prof S van der Berg/prof PvdP du Toit.

MAASDORP G, McCARTHY CL, HOLDEN M. *Impact of post-apartheid South Africa on regional economic integration. Comesa/IDRC Research Network on Regional Integration*.

MARISHANE TO. *Comparative cost as basis for regional development policy with special reference to the economic development of Lebowa*. Magister studieleier: Prof CL McCarthy.

MASON-GORDON NJ. *External shocks and policy responses to external shocks*. Magister studieleier: Prof CL McCarthy.

McCARTHY CL. *African and Asian comparative development experiences*.

STEWART JB. *Interregional trade promotion in Southern Africa: lessons and suggestions from the international experience*. Doktorale promotor: Prof CL McCarthy.

STOLZ EAP. *'n Kritiese evaluering van die aard en omvang van die owerheidsektor in die Suid-Afrikaanse ekonomie*. Doktorale promotor: Prof PA Black.

VAN DER BERG S. *Rykdom en armoede: 'n Ondersoek na die dimensies van bevoorregting en uitsluiting in Suid-Afrika*.

## **NAGRAADSE BESTUURSKOOL / GRADUATE SCHOOL OF BUSINESS**

### **Tydskrifartikels/Journal articles**

BENDEL D, SMIT EvdM, HAMMAN WD. Some evidence of persistence in South African financial time series. *Journal for Studies in Economics and Econometrics* 1996; **20**(1): 59-83.

CILLIERS FP, SMIT EvdM, KOTZE D. Die modellering van die heteroskedasiteit in daaglikse Rand/Dollar wisselkoersbewegings 1987-1992. *Investment Analysts' Journal* 1996; **43**: 21-30.

DE CONING TJ. Entrepreneurs in the transition economy - educational challenge. *Vezetéstudomány* 1995; (9): 11-18.

HAMMAN WD. Sustainable growth: A cash flow model. *Investment Analysts' Journal* 1996; **43**: 57-61.

HUMAN L. Discrimination and equality in the workplace: defining affirmative action and its role and limitations. *Bestuursdinamika* 1995; **4**(3): 51-68. (Reprinted in 1996 in: *International Journal of Discrimination and the Law* 1996; (2): 23-37 (with acknowledgement to *Bestuursdinamika*.)

HUMAN L. Diversity during transformation. *Human Resource Management* 1996; **12**(2): 4-12.

HUMAN L. Managing workforce diversity: A critique and example from South Africa. *International Journal of Manpower* 1996; **17**(4/5): 46-64.

LOUW MW, SMIT EvdM. The relationship between volatility, volume and open interest: some evidence from the South African futures market. *South African Journal of Management Science* 1996; **27**(4): 113-121.

NIENABER H, SMIT EvdM. Futures-trading activity and share price volatility in South Africa. *Investment Analysts' Journal* 1996; **44**: 51-60.

OOSTHUIZEN H. Environment, business strategy, marketing strategy implications and organisational performance: an exploratory survey in the Western Cape Province of South Africa. *S.A. Journal for Entrepreneurship and Small Business* 1996; **8**(1): 23-31.

SMIT EvdM, HAMMAN WD, GEAR AE, SMIT RJ. Historiese opbrengste en risiko's op Suid-Afrikaanse kapitaal- en geldmarkte (1961-1993). *Management Dynamics* 1996; **5**(3): 69-87.

TERBLANCHÉ NS, VAN DER MERWE L, SMIT EvdM. Consumer behaviour during a period of stagflation: some findings and implications for marketing management. *South African Journal of Economic and Management Sciences* 1996; **18**: 47-66.

VAN DER MERWE R, SMIT EvdM. The influence of political news events on share market activity in South Africa. *Investment Analysts Journal* 1996; **44**: 11-24.

## **Verrigtinge internasionaal/Proceedings international**

DE CONING TJ. *Sustainable value-driven behaviour - the dilemma of SME's in rural areas*. Proceedings of the International Conference on Entrepreneurship. Rencontres de St-Gall, Gottlieben, Switzerland, 1996: 11-17.

HUMAN L *Managing diversity skills training: where theory and practice meet*. SIETAR Congress. Munich, Germany, 1996.

MAAS GJP. *Training SME's to be creative. Educating entrepreneurs in modernising economies* 1996: 59-72.

SMIT EvdM. *Using business survey data for timing in capital market decisions*. *Business Cycle Surveys: Forecasting Issues and Methodological Aspects*. Selected papers presented at the 22nd Ciret Conference, Singapore. Aldershot, England, 1996: 271-290.

VENTER J. *Perceived barriers to exporting of South African small manufacturers*. Proceedings of the 5th World Business Congress. Bermuda, 1996: 402-409.

## **Referate internasionaal/Papers international**

GEVERS WR. *Operations research in the curricula of South African MBA's*. 14e Driejaarlikse IFORS Konferensie. Vancouver, Kanada, 1996.

GROENEWALD J, DE CONING TJ. *Tapping the resource of retrenched managers to achieve multiplier effects in employment creation*. 7th Endec World Conference on Entrepreneurship: Globalisation and Entrepreneurship. Singapore, 1996.

HUMAN L. *How to deal with cultural differences, cultural dominance and discrimination in healthcare*. Tijdelijk OndersteuningsPunt Allochtonen in de Zorgsector Conference. Amsterdam, Holland, 1996.

LOUW MW, SMIT EvdM. *The relationship between volatility, volume and market depth: some evidence from the South African futures market*. Euro Working Group on Financial Modelling. Keele University, England, 1996.

MAAS GJP. *Creativity in SME's: A South African study*. Rent X (Research in entrepreneurship and small business - 10th anniversary). Brussels, Belgium, 1996.

## **Referate nasionaal/Papers national**

BARNES W, GEVERS WR. *Optimal allocation of mining timber sawmill orders*. ONSA Jaarkongres. Mbabane, Swaziland, 1996.

BOTHA LJ, HAMMAN WD, SMIT EvdM. *Modelling of growth in annual EPS of listed South African industrial companies: 1974-1993*. 5th Conference of the Southern African Finance Association. Johannesburg, 1996.

BROWN CJ. *Towards a project management strategy*. EBM Navorsingskonferensie. Port Elizabeth, 1996.

HAMMAN WD, SMIT EvdM. *The accuracy obtained by traditional methods of estimating cash flows*. EBM Navorsingskonferensie. Port Elizabeth, 1996.

LIEBENBERG K, HAMMAN WD, SMIT EvdM. *Measuring capital intensity of listed RSA industrial companies*. EBM Navorsingskonferensie. Port Elizabeth, 1996.

MAAS GJP. *Experiences in the training of young entrepreneurs*. 4th Annual South African Entrepreneurship Education Forum. Durban, 1996.

PARSONS J, SMIT EvdM. *South African future trading and spot market volatility*. EBM Navorsingskonferensie. Port Elizabeth, 1996.

SMITH JduP, DAVIS PJ. *Determinants and prediction of the price-earnings relative ratios of industrial companies on the JSE*. 5th Conference of the Southern African Finance Association. Johannesburg, 1996.



SPANGENBERG HH. *The transformation of performance management: a review of its progress and ways to ensure future growth*. 2de Kongres van die Sielkunde Vereniging van Suid-Afrika (PsySSA). Johannesburg, 1996.

SPANGENBERG HH, THERON C. *A performance management audit for South African organisations*. 2de Kongres van die Sielkunde Vereniging van Suid-Afrika (PsySSA). Johannesburg, 1996.

TERBLANCHÉ NS, SMIT EvdM. *Determinants of the buy/non-buy decision in mail-order retailing*. EBM Navorsingskonferensie. Port Elizabeth, 1996.

VAN DER MERWE R, SMIT EvdM. *The influence of political news event on share market activity in South Africa*. 5th Conference of the South African Finance Association. Johannesburg, 1996.

## **Boeke/Books**

HUMAN L. *Contemporary conversations: understanding and managing diversity in the modern world*. Senegal, Goreé Institute, 1996. 88 pp.

## **Hoofstukke in boeke/Chapters in books**

HUMAN L. Future competencies for managing diversity: what South African managers need. In: Steyn M, Motshabi K, (eds). *Cultural Synergy in South Africa: Weaving Strands of Africa and Europe*. Knowledge Resources, Johannesburg, 1996: 171-183.

## **Doktoraal afgehandel/Doctoral completed**

MAAS GJP. *Kreatiwiteit in Suid-Afrikaanse klein- en medium groot ondernemings*. Ph.D., 1996. 242 pp. Promotor/medepromotor: Prof TJ de Coning/prof EvdM Smit.

VENTER J. *An investigation into managerial and firm dimensions associated with the export behaviour of small manufacturers in the Western Cape*. Ph.D., 1996. 363 pp. Promotor/medepromotor: Prof TJ de Coning/prof EvdM Smit.

## **Projekte lopend/Projects current**

BRAND AM. *Interkulturele waardes in Suid-Afrika volgens die Hofstede-model*.

HAMMAN WD. *Kontantvloei state: suksesse en mislukkinge*.

HAMMAN WD. *Toegevoegdewaarde state se rol in the RSA*.

OOSTHUIZEN H. *An evaluation of the Miles and Snow strategic typology under present day conditions of major environmental uncertainty - the emperor's new clothes or a paradigm shift?*

# **ONDERNEMINGSBESTUUR / BUSINESS MANAGEMENT**

## Tydskrifartikels/Journal articles

BLOOM JZ. Initiatives to alleviate tourist related crime and violence within the community. *Business Dynamics: Contemporary Research* 1996; **5**(2): 1-25.

BLOOM JZ. The use of national tourism statistics for strategic performance measurement of tourism destinations. *Business Dynamics: Contemporary Research* 1996; **5**(4): 88-108.

BLOOM JZ, THERON E. Die ekonomiese voordele versus die sosiale koste van dobbelery. *Journal for Studies in Economics and Econometrics* 1996; **20**(2): 47-71.

DOPPEGIETER JJ. Developments in privatisation with specific reference to the South African energy sector. *Energyscan* 1996; **4**(2): 8-23.

DOPPEGIETER JJ. Environmental management systems. *Energyscan* 1996; **4**(4): 28-40.

DOPPEGIETER JJ. The South African coal sector: Demand possible opportunities and threats. *Energyscan* 1996; **4**(1): 11-21.

DOPPEGIETER JJ. South African petroleum prices: An overview of important issues. *Energyscan* 1996; **4**(3): 1-15.

DOPPEGIETER JJ, DE VILLIERS C. Environmental reporting practices in the South African energy sector. *Management Dynamics: Contemporary Research* 1996; **5**(1): 15-42.

DU PLESSIS PG, OELOFSE RP. Measuring risk and return in South African real estate investment: A comparative study 1993. *Management Dynamics: Contemporary Research* 1996; **5**(3): 1-27.

DU PLESSIS PG, PIENAAR J. The restitution of land rights and redistribution of land in South Africa: Potential effects on value and on the economy - 1995. *South African Journal of Economic and Management Sciences* 1996; **19**(Winter): 162-186.

MOSTERT FJ, MOSTERT JH. Continuous market cycle of the short-term insurance industry: A theoretical and empirical study. *Bestuursdinamika: Kontemporêre Navorsing* 1996; **5**(2): 57-72.

MOSTERT FJ, MOSTERT JH. The role of labour in the corporate lending decision. *Bestuursdinamika: Kontemporêre Navorsing* 1996; **5**(1): 85-101.

TERBLANCHÉ NS. Restitution of land rights in South Africa: Issues and challenges to property valuers. *Australian Land Economics Review* 1996; **2**(2): 3-11.

TERBLANCHÉ NS, VAN DER MERWE L, SMIT EvdM. Consumer behaviour during a period of stagflation: Some findings and implications for marketing management. *South African Journal of Economic and Management Sciences* 1996; **18**(Autumn): 47-66.

## Verrigtinge internasionaal/Proceedings international

BLOOM JZ. *Optimizing the use of national tourism statistics in strategic performance measurement*. Proceedings of the 27th Annual Conference of the Travel and Tourism Research Association. Las Vegas, USA, 1996: 396-407.

BLOOM JZ, PIZAM A, TARLOW P. *The role of making tourists feel safe*. Proceedings of the 27th Annual Conference of the Travel and Tourism Research Association. Las Vegas, USA, 1996: 201-207.

DOPPEGIETER JJ. *Environmental-financial reporting in the South African energy sector*. Proceedings of the Eco-Management and Auditing Conference. Leeds, UK, 1996: 28-33.

DOPPEGIETER JJ, LAMBRECHTS IJ. *A multiperspective approach to price control*. Proceedings of the Conference on Financial Management Accounting. Rotterdam, The Netherlands, 1995: 491-504.

DU PLESSIS PG, SCHUTTE DeW. *The socioeconomic effects and implications of fishermen's community trusts in South Africa*. Proceedings of the Second World Fisheries Congress. Brisbane, Australia, 1996; 1.

DU PLESSIS PG, SCHUTTE DeW. *The socioeconomic effects of longlining versus trawling and of exploiting bycatch in the South African economy and grassroots fishing communities*. Proceedings of the Second World Fisheries Congress. Brisbane, Australia, 1996; 1.

LAMBRECHTS IJ, DOPPEGIETER JJ. *Rate of return and price-cap price regulation: the South African experience*. Proceedings of the Conference on Financial Management Accounting. Rotterdam, The Netherlands, 1995: 505-518.

LEIBOLD M, HUGO MM. *A cross-sectional analysis of emerging markets and business strategies in the multicultural South African environment*. Proceedings of the International Multicultural Marketing Conference of the Academy of Marketing Science. Virginia Beach, USA, 1996: 172-177.

TERBLANCHÉ NS, BOSHOFF C. *Measuring consumer sentiment towards marketing: The New Zealand marketing index*. Proceedings of the 25th Conference of the European Marketing Academy. Budapest, Hungary, 1996: 99-107.

## **Verrigtinge nasionaal/Proceedings national**

DU PLESSIS PG. *The microloans industry in South Africa: Size, structure and activities - 1995*. Proceedings of the Eighth Annual Conference of the Southern African Institute of Management Scientists. Grahamstown, 1996.

DU PLESSIS PG, LOUBSER MM. *The microloans industry in South Africa: A new dispensation*. EBM Research Conference. Compendium of abstracts. Port Elizabeth, 1996.

MOSTERT FJ, BLOOM JZ, MOSTERT JH. *Capital structure of listed industrial companies: An empirical study relevant to small enterprises*. Verrigtinge van die Agtste Jaarlikse Konferensie van die Suider-Afrikaanse Instituut vir Bestuurswetenskaplikes. Grahamstad, 1996.

O'NEILL RC. *Student perceptions of entrepreneurship education: Engineering versus commerce students*. Proceedings of the Eighth Annual Conference of Southern African Institute of Management Scientists. Grahamstown, 1996.

TERBLANCHÉ NS. *Expansion by way of franchising in the South African property industry*. Proceedings of the Eighth Annual Conference of the Southern Africa Institute for Management Scientists. Grahamstown, 1996.

TERBLANCHÉ NS, BOSHOFF C. *Measuring retail service quality: A replication*. Proceedings of the Marketing Educators' Conference. Wildekus, 1996.

TERBLANCHÉ NS, SMIT EvdM. *Why consumers purchase via direct order marketing: A reassessment*. Proceedings of the Marketing Educators' Conference. Wildekus, 1996.

## **Referate internasionaal/Papers international**

HUGO MM. *Perspectives on conducting business communication in a multicultural South Africa with special reference to the Western Cape*. International Symposium on Culture, Communication and Development. Pretoria, South Africa, 1996.

HUGO MM, LEIBOLD M. *Tourism marketing communication and destination culture*. Multicultural Marketing Conference of the Academy of Marketing Science. Virginia Beach, USA, 1996.

TERBLANCHÉ NS. *Franchising in the property industry*. Second Annual Conference of the Pacific Rim Real Estate Society. Sanctuary Cove, Queensland, Australia, 1996.

TERBLANCHÉ NS. *Restitution of land rights: Issues and challenges to property valuers*. Second Annual Conference of the Pacific Rim Real Estate Society. Sanctuary Cove, Queensland, Australia, 1996.

## **Referate nasionaal/Papers national**

MOSTERT FJ, KIEBLER RW. *'n Stelselbenadering tot bemerkingsinligting vir onafhanklike versekeringsmakelaars*. EBM Navorsingskonferensie. Port Elizabeth, 1996.

O'NEILL RC, BHOWAN K. *Student feedback as determinant for changes to course content and course presentation of entrepreneurship at the Universities of Natal and Stellenbosch*. EBM Research Conference. Port Elizabeth, 1996.

TERBLANCHÉ NS. *Some planning proposals to accommodate informal retailing*. Annual Congress of the Institute of Licence Officers. Franschhoek, 1996.

TERBLANCHÉ NS, SMIT EvdM. *Determinants of the buy/non-buy decision in mail order retailing*. EBM Research Conference. Port Elizabeth, 1996.

## **Boeke/Books**

DU PLESSIS PG. *Applied Business Management*. Kagiso Publishers, 1996. 167 pp.

DU PLESSIS PG. *Contemporary Management Issues*. US Printers, 1996. 193 pp.

DU PLESSIS PG. *Kontemporêre Bestuursvraagstukke*. US Drukkery, 1996. 201 pp.

DU PLESSIS PG. *Toegepaste Ondernemingsbestuur*. Kagiso Uitgewers, 1996. 182 pp.

## Hoofstukke in boeke/Chapters in books

BLOOM JZ. A South African perspective of the effects of crime and violence on the tourism industry. In: Pizam A, Mansfeld Y, (eds). *Tourism Crime and International Security Issues*. Wiley, 1996: 91-102.

BLOOM JZ, DU PLESSIS PG. Financial management. In: Du Plessis PG, (ed.). *Applied Business Management*. Kagiso, 1996: 317-351.

BLOOM JZ, DU PLESSIS PG. Finansiële bestuur. In: Du Plessis PG, (red.). *Toegepaste Ondernemingsbestuur*. Kagiso, 1996: 341-377.

BLOOM JZ, TAIT M. Bestuursbesluitneming. In: Du Plessis PG, (red.). *Kontemporêre Bestuursvraagstukke*. US Drukkery, 1996: 173-195.

BLOOM JZ, TAIT M. Management decision-making. In: Du Plessis PG, (ed.). *Contemporary Management Issues*. US Printers, 1996: 167-188.

DE BRUYN HEC, O'NEILL RC. Administratiewe Bestuur. In: Du Plessis PG, (red.). *Toegepaste Ondernemingsbestuur*. Kagiso, 1996: 291-305.

DE BRUYN HEC, O'NEILL RC. Administrative Management. In: Du Plessis PG, (ed.). *Applied Business Management*. Kagiso, 1996: 271-285.

DOPPEGIETER JJ, LAMBRECHTS IJ. A multi-perspective approach to price control. In: Boneco CMT, et al, (eds). *fMA-Kroniek 1995*. Samsom, 1996: 505-517.

DU PLESSIS PG. Aktiwiteite binne die moderne onderneming. In: Du Plessis PG, (red.). *Toegepaste Ondernemingsbestuur*. Kagiso, 1996: 163-173.

DU PLESSIS PG. Business management in the modern business world. In: Du Plessis PG, (ed.). *Applied Business Management*. Kagiso, 1996: 1-21.

DU PLESSIS PG. The economic structure within which firms operate. In: Du Plessis PG, (ed.). *Applied Business Management*. Kagiso, 1996: 23-40.

DU PLESSIS PG. Ekonomiese struktuur waarbinne die onderneming funksioneer. In: Du Plessis PG, (red.). *Toegepaste Ondernemingsbestuur*. Kagiso, 1996: 25-45.

DU PLESSIS PG. The functions of a modern firm. In: Du Plessis PG, (ed.). *Applied Business Management*. Kagiso, 1996: 151-160.

- DU PLESSIS PG. Ondernemingsbestuur in die moderne sakelewe. In: Du Plessis PG, (red.). *Toegepaste Ondernemingsbestuur*. Kagiso, 1996: 1-24.
- DU PLESSIS PG. Die visie, missie en doelstellings van die onderneming. In: Du Plessis PG (red.), *Toegepaste Ondernemingsbestuur*. Kagiso, 1996: 65-81.
- DU PLESSIS PG. The vision, mission and goals of the firm. In: Du Plessis PG, (ed.). *Applied Business Management*. Kagiso, 1996: 59-73.
- DU PLESSIS PG, KRUGER S. The enterprise and the business environment. In: Du Plessis PG, (ed.). *Applied Business Management*. Kagiso, 1996: 75-96.
- DU PLESSIS PG, KRUGER S. Die onderneming en die sakeomgewing. In: Du Plessis PG (red.). *Toegepaste Ondernemingsbestuur*. Kagiso, 1996: 83-104.
- DU PLESSIS PG, MENTOOR E, MORGAN N. Establishing the new firm, its size and location. In: Du Plessis PG, (ed.). *Applied Business Management*. Kagiso, 1996: 97-125.
- DU PLESSIS PG, MENTOOR E, MORGAN N. Oprigtingsvraagstukke, grootte en vestiging van die nuwe onderneming. In: Du Plessis PG, (red.). *Toegepaste Ondernemingsbestuur*. Kagiso, 1996: 105-136.
- DU PLESSIS PG, O'NEILL RC. The modern entrepreneur and entrepreneurship. In: Du Plessis PG, (ed.). *Applied Business Management*. Kagiso, 1996: 41-57.
- DU PLESSIS PG, O'NEILL RC. Die moderne ondernemer en entrepreneurskap. In: Du Plessis PG, (red.). *Toegepaste Ondernemingsbestuur*. Kagiso, 1996: 47-64.
- DU PLESSIS PG, RODE E. South Africa. In: Calatchi RF, Rosenberg S, (eds). *Studies of World Property Atlas*. Europmoney Publications, 1996: 421-432.
- HUGO MM. Business Communication. In: Du Plessis PG, (ed.). *Contemporary Management Issues*. US Printers, 1996: 85-108.
- HUGO MM. Sakekommunikasie. In: Du Plessis PG, (red.). *Kontemporêre Bestuursvraagstukke*. US Drukkery, 1996: 87-112.
- LAMBRECHTS IJ, DOPPEGIETER JJ. Rate of return and price-cap regulation: The South African experience. In: Boneco CMT, et al, (eds). *fMA-Kroniek 1995*. Samsom, 1996: 491-503.
- LEIBOLD M. International marketing research. In: Martins JH, et al, (eds). *Marketing Research: A South African Approach*. Unisa, 1996: 519-547.
- TERBLANCHÉ NS. Kleinhandelbemarking. In: Van Der Walt A, Strydom JW, Marx S, Jooste CJ, (reds.). *Bemarkingsbestuur*. Juta, 1996: 291-326.
- TERBLANCHÉ NS. Retail marketing. In: Van Der Walt A, Strydom JW, Marx S, Jooste CJ, (eds). *Marketing Management*. Juta, 1996: 281-315.

THERON E. Openbare betrekkinge. In: Du Plessis PG, (red.). *Toegepaste Ondernemingsbestuur*. Kagiso, 1996: 379-397.

THERON E. Public relations. In: Du Plessis PG, (ed.). *Applied Business Management*. Kagiso, 1996: 353-370.

THERON E, VAN ZYL E. Human resource management. In: Du Plessis PG, (ed.). *Applied Business Management*. Kagiso, 1996: 205-221.

THERON E, VAN ZYL E. Menslike hulpbronvoorsiening. In: Du Plessis PG, (red.). *Toegepaste Ondernemingsbestuur*. Kagiso, 1996: 221-238.

VAN ZYL E. The form of the enterprise. In: Du Plessis PG, (red.). *Applied Business Management*. Kagiso, 1996: 127-149.

VAN ZYL E. Die ondernemingsvorm. In: Du Plessis PG, (red.). *Toegepaste Ondernemingsbestuur*. Kagiso, 1996: 137-161.

## Navorsingsverslae/Research reports

DOPPEGIETER JJ, DU TOIT J. *Interactive debate on future research areas for end-use electro-technologies (EUEs)*. Report submitted to Escom Technology Group, Institute for Futures Research, University of Stellenbosch, 1996. 16 pp.

DOPPEGIETER JJ, DU TOIT J. *Projecting the state and growth potential of various South African economic sectors*. Report submitted to Eskom Technology Group, Institute for Futures Research, University of Stellenbosch, 1996. 164 pp.

DOPPEGIETER JJ, DU TOIT J, LIEBENBERG J. *Final report: Environmental scanning and scenario development for long-term energy planning in South Africa: 1993-1995*. Final report to the Department of Minerals and Energy, Institute for Futures Research, University of Stellenbosch, 1996. 18 pp.

LAMBRECHTS IJ. *Synthesis and evaluation of stakeholders' viewpoints on restructuring the liquid fuels industry*. Report to Nedlac, 1996. 72 pp.

TERBLANCHÉ NS, SMIT EvdM. *An empirical investigation of consumers' attitudes towards purchasing by mail order catalogue*. Report submitted to Leading Concepts, Department of Business Management, University of Stellenbosch, 1966. 150 pp.

VAN MAELE C, VAN ZYL E. *Formulering van een internationale marketing strategie: Toepassing op een nieuw assortiment kant-en-klare diepvriespasta: N.V. Crop's*. Universiteit van Gent, 1996. 280 pp.

## Magister afgehandel/Master's completed

PENTZ CD. *A study of consumer attitudes towards mail order catalogue marketing*. M.Comm. cum laude, 1996. 157 pp. Studieleier: Prof NS Terblanché.

VAN DER HEEVER IC. *Sport marketing in the Western Cape with specific reference to the implications for tourism*. M.Comm. cum laude, 1996. 252 pp. Studieleier: Prof M Leibold.

## Projekte afgehandel/Projects completed

DU PLESSIS PG. *Comment on the proposed notice of amendment for the exemption of loans smaller than R3000 from the Usury Act.*

## Projekte lopend/Projects current

BLOOM JZ. *The measurement of financial success and long-term survival in capital-intensive versus non-capital-intensive enterprises.* Doktorale promotor: Prof IJ Lambrechts.

DOPPEGIETER JJ, DU TOIT J. *Modelling demand and supply of energy in South Africa: Investigation and planning.* (Department of Minerals and Energy).

DU PLESSIS PG. *Die kommersialisering en bestuur van Universiteitsbates.*

DU PLESSIS PG, CRUYWAGEN GC. *A quantitative bio-economic investigation of inshore fisheries.*

DU PLESSIS PG, NEWELL G. *South African real estate returns: An international comparison.*

DU PLESSIS PG, SCHUTTE D. *SANCOR Thrust: An investigation into the socio-economic effects of the exploitation of South African offshore marine resources.*

DU PLESSIS PG, SCHUTTE D, VAN ZYL J, BASSON J. *A comparison of the socio-economic effects of longlining and trawling for hake off the South African shores.*

DU PLESSIS PG, WILSON PJ. *Internasionale eiendomsdiversifikasie.*

LAMBRECHTS IJ. *Transfer pricing: A dynamic approach.*

LAMBRECHTS JA. *'n Kontantvloei-ontleding van elektrisiteitsondernemings by plaaslike owerhede.* Magister studieleier: Prof FJ Mostert.

MILLER P. *The relevance of factors precipitating failure in the timeshare industry.* Doktorale promotor: Prof PG du Plessis.

MOSTERT JH. *The impact of labour-related risks on financial investment decision-making by institutional investors.* Doktorale promotor: Prof FJ Mostert.

SMITH LJ. *Risikobestuur in die konstruksiebedryf uit die oogpunt van die Ondernemingsbestuur.* Doktorale promotor: Prof FJ Mostert.

VENTER A. *Die kommersialisering van universiteitseiendomme.* Magister studieleier: Prof PG du Plessis.

WEIDEMAN E. *Die finansiële behoeftes van Christelike diensinstellings.* Magister studieleier: Prof PG du Plessis.

WILLIAMS M. *Die lewensvatbaarheid van 'n versekeringsmakelary.* Magister studieleier: Prof PG du Plessis.



WOLMAN G. *Counterparty risk in the financial futures market*. Magister studieleier: Prof PG du Plessis.

## **OPENBARE EN ONTWIKKELINGSBESTUUR / PUBLIC AND DEVELOPMENT MANAGEMENT**

### **Tydskrifartikels/Journal articles**

BRUWER JdeW, FOX W. Student enrolment management: Perspectives on the employment of first-destination highly educated jobseekers. *South African Journal of Higher Education* 1996; **10**(1): 16-26.

BURGER APJ, THERON F. Public management technology for development. *Administratio Publica* 1996; **7**(1): 46-73.

GELDENHUYS L, UYS FM. Risikobestuur op plaaslike owerheidsvlak. *Administratio Publica* 1995; **6**(2): 67-87.

MÜLLER JJ. Environmental management from a public management perspective. *Administratio Publica* 1996; **7**(1): 19-33.

MÜLLER JJ, REYNECKE FJ. The role of field training in organisational change in the South African Police Service. *Journal of Public Administration (SAIPA)* 1996; **31**(3): 174-188.

SCHWELLA E, BALLARD H. South African local government: A systems perspective. *Journal of Public Administration (SAIPA)* 1996; **31**(1): 38-56.

UYS FM. 'n Teoretiese benadering tot optimum desentralisasie van owerheidsstrukture en -funksies. *Administratio Publica* 1995; **6**(2): 46-66.

### **Verrigtinge internasionaal/Proceedings international**

CLOETE GS. *Avoiding square pegs in round holes: Towards an appropriate public policy study and practice in South Africa*. Proceedings of the Fifth Wineland's Conference. Stellenbosch, South Africa, 1995; *Challenges in Change*: 215-235.

### **Verrigtinge nasionaal/Proceedings national**

CLOETE F. *Forging a new bureaucracy: Guidelines for research on conflict resolution*. Proceedings of a workshop with the theme, Reflections on Conflict and Peace. Johannesburg, 1995; *Conflict and Peace Research: South African Realities and Challenges*: 11-15.

### **Referate internasionaal/Papers international**

CLOETE GS. *Redesigning local government in South Africa: Towards a model of policy change*. Annual Conference of the International Association of Schools and Institutes of Administration. Durban, South Africa, 1996.

MÜLLER JJ. *Leadership in environmental management*. Annual Conference of the International Association of Schools and Institutes of Administration. Durban, South Africa, 1996.

## Doktoral afgehandel/Doktoral completed

BRUWER JdeW. *A specific enrollment planning and management model for tertiary education institutions incorporating the demand-supply factor*. Ph.D., 1996. 431 pp. Promotor: Prof W Fox.

MEYER IH. *Beleidssteemanalise van behuising in geselekteerde Afrikastate*. Ph.D., 1996. 320 pp. Promotor: Prof GS Cloete.

## Magister afgehandel/Master's completed

ISMAIL N. *Local government in a post-apartheid South Africa*. M.A., 1996. 202 pp. Studieleier: Mnr IH Meyer.

KITSHOFF A. *Effektiwiteitskriteria vir Polisiëring. 'n Ondersoek na die effektiwiteit van Polisiëring in die Helderberg-substruktuur. 'n Bestuurskundige beskouing*. M.P.A., 1996. 90 pp. Studieleier: Dr JJ Müller.

KNIFE AN. *'n Ontwikkelingsbestuursmodel vir plaaslike owerhede in Suid-Afrika*. M.Admin., 1996. 196 pp. Studieleier: Dr APJ Burger.

LIEBENBERG SF. *Participatory Christian Development. A functional model for nongovernmental organisations*. M.A., 1996. 211 pp. Studieleier: Mnr F Theron.

## Projekte lopend/Projects current

ADAMS TC. *The need for a value-for-money auditory system for the University of the Western Cape*. M.Admin. Studieleier: Prof W Fox.

BARLE DG. *Local government reform in South Africa: A comparative perspective*. Ph.D. Promotor: Dr FM Uys.

BOTHA DC. *Die bestuur van korporatiewe identiteit van die Munisipaliteit van Stellenbosch*. M.A. Studieleier: Dr FM Uys.

COETZEE JJM. *Plaaslike regering in landelike gebiede*. M.Admin. Studieleier: Prof GS Cloete.

DIENER T. *Assessment of the operational policy guidelines available to heads of day care facilities in the Cape Town metropolitan area regarding the prevention, identification and management of infectious diseases to determine shortfalls where applicable*. M.P.A. Studieleier: Dr IH Meyer.

DU PLESSIS CP. *Prioriteitsbepaling in plaaslike regering*. Ph.D. Promotor: Prof E Schwella.

FALKEN RL. *Affirmative action in the public sector, with reference to the Administration House of Representatives*. M.P.A. Studieleier: Dr IH Meyer.

FOURIE MHW. *Die bestuur van diversiteit in die Suid-Afrikaanse Polisie*. Ph.D. Promotor: Dr JJ Müller.

JANSEN VAN VUUREN E. *The development of a performance measurement system for Policing. The South African Police Service.* Ph.D. Promotor: Prof E Schwella.

KAHN SB. *Managing an integrated South African National Defence Force towards increased productivity.* Ph.D. Promotor: Dr APJ Burger.

MALGAS PM. *Committee Administration as a basic management mechanism.* M.A. Studieleier: Dr JJ Müller.

MÖLLER T. *'n Evaluasie van die gemeenskapswerker se rol in die beplanning, implementering en bestuur van ontwikkelingsprojekte.* M.A. Studieleier: Mnr F Theron.

NQADINI MP. *The dynamics of development and public policy impact in Khayelitsha. A critical assessment and future consideration.* M.Admin. Studieleier: Mnr F Theron.

NWENKWEZI TS. *The implementation of housing policy in terms of the RDP with special reference to Khayelitsha.* M.Admin. Studieleier: Dr APJ Burger.

PEKEUR S. *Diversity awareness among managers in the public sector.* Ph.D. Promotor: Prof W Fox.

SWANEPOEL DV. *Die ontwikkeling van 'n bestuursmodel vir die effektiewe bestuur van verandering in die publieke sektor.* Ph.D. Promotor: Dr JJ Müller.

SWART A. *Local government functions and funding - a model.* Ph.D. Promotor: Prof GS Cloete.

VAN BEEK CJ. *The influence of policy decisions on negotiations. Demarcation issues in the Cape Metropole - a case study.* M.P.A. Studieleier: Prof GS Cloete.

VAN DER WALDT G. *Die toepassing van strategiese veranderings - bestuur vir die transformasie van die Suid-Afrikaanse Staatsdiens.* Ph.D. Promotor: Dr JJ Müller.

VAN ROOYEN A. *Die operasionalisering van doeltreffendheid en effektiwiteit as oogmerk van plaaslike owerhede: 'n Gevalstudie van die gebied Groter Kaapstad.* Ph.D. Promotor: Prof E Schwella.

VAN WYK AF. *Gemeenskapspolisering in bepaalde gebiede in die Kaapse Metropol.* Ph.D. Promotor: Dr JJ Müller.

WESSELS AB. *An administrative perspective on crossroads.* M.A. Studieleier: Dr IH Meyer.

## **REKENINGKUNDE / ACCOUNTANCY**

### **Tydskrifartikels/Journal articles**

DOPPEGIETER JJ, DE VILLIERS CJ. Environmental reporting practices in the South African Energy Sector. *Bestuursdinamika* 1996; 5(1): 15-42.

## Referate internasionaal/Papers international

DE VILLIERS CJ. *The willingness of South Africans to support more Green Reporting*. The Fourth Critical Perspectives on Accounting Symposium. New York, USA, 1996.

## Referate nasionaal/Papers national

BLIGNAUT J, DE VILLIERS CJ. *The motivation for environmental accounting and reporting*. Nasionale Produktiwiteitsinsituut EBM Navorsingskonferensie. Port Elizabeth, 1996.

DE VILLIERS CJ. *Incorporating environmental management into your financial reporting systems to your company's advantage*. Environmental Systems, Standards and Auditing Conference. Johannesburg, 1996.

DE VILLIERS CJ, UYS I. *South Africans want more Green Reporting (or do they ?); Including the message from ethical investors*. Suider-Afrikaanse Rekeningkundige Vereniging Kongres. Pietermaritzburg, 1996.

LOXTON L. *A comparison between shareholder value and share prices*. Southern African Finance Association Conference. Johannesburg, 1996.

LOXTON L. *The usefulness of annual reports to the private shareholder*. Southern African Accounting Association. Pietermaritzburg, 1996.

## Doktoraal afgehandel/Doctoral completed

BROWN W. *Die rekeningkundige verantwoording van die herverdelingseffekte van inflasie op kapitaal aangewend in ondernemings*. Ph.D., 1996. 500 pp. Promotor: Prof JA Matthee.

## Projekte lopend/Projects current

BRINK PJ. *A hierarchical framework for auditing*. Doktorale promotor: Prof J van Z Smit.

DU TOIT G. *The role and responsibility of the auditor in the prevention and detection of fraud*. Magister studieleier: Prof GE Anderson.

OLIVIER P. *Die invloed van sekondêre belasting op die dividendbeleid van maatskappye*.

SWANEPOEL L. *Die motief van 'n belastingpligtige as relevante faktor by die beoordeling van inkomste of kapitale aard van 'n ontvangste of toevallig*. Doktorale promotor: Prof JA Matthee.

VAN DYK DP. *Die uitkenning van onderskeie finansiële kenmerke van genoteerde nywerheidsmaatskappye wat swak, goed en uitstekend presteer*. Magister studieleier: Prof P Olivier.

VAN SCHALKWYK CJ. *Integrasie van korporatiewe en individuele belastingstelsels in Suid-Afrika*. Magister studieleier: Prof JA Matthee.

# STATISTIEK en aktuariële wetenskap / STATISTICS and actuarial science

## Tydskrifartikels/Journal articles

LE ROUX NJ, OLIVIER J. Modelling hail frequency using a generalized additive interactive technique. *South African Geographical Journal* 1996; **78**(1): 7-12.

TRUTER I, KOTZE TJvW. A drug utilization study investigating prescribed daily doses (PDDs) for hypolipidaemic agents. *South African Medical Journal* 1996; **86**(11): 1397-1401.

TRUTER I, KOTZE TJvW. Fluoxetine prescribing in a South African patient population. *The Annals of Pharmacotherapy* 1996; **30**: 1340.

TRUTER I, KOTZE TJvW. An investigation into the prescribing of analgesics. *South African Medical Journal* 1996; **86**(11): 1394-1396.

TRUTER I, KOTZE TJvW. An investigation into the prescribing patterns of selective serotonin re-uptake inhibitors in South Africa. *Journal of Clinical Pharmacy and Therapeutics* 1996; **21**(4): 237-242.

VENTER JH, STEEL SJ. Finding multiple abrupt change points. *Computational Statistics and Data Analysis* 1996; **22**: 481-504.

VENTER JH, STEEL SJ. A hypothesis-testing approach toward identifying active contrasts. *Technometrics* 1996; **38**(2): 161-169.

## Referate internasionaal/Papers international

CONRADIE WJ. *Assigning of scores when modelling ordinal data*. Joint Statistical Meetings, 156th Annual Meeting of American Statistical Association. Chicago, Illinois, USA, 1996.

LOUW N, STEEL SJ, LE ROUX NJ. *Selection of variables in discriminant analysis by means of crossmodel validation*. Sydney International Statistical Conference. Sydney, Australië, 1996.

MARITZ JS. *Comparing groups with irregular longitudinal data*. Sydney International Statistical Conference. Sydney, Australië, 1996.

STANDER I, KOTZE TJvW, KOTZE D. *The planning of an HIV/AIDS study in South Africa to determine the prevalence by means of backcalculation*. XVIIIth International Biometrics Conference. Free University of Amsterdam, The Netherlands, 1996.

STEEL SJ, VENTER JH. *A hypothesis testing approach toward identifying active contrasts*. Sydney International Statistical Conference. Sydney, Australië, 1996.

## Referate nasionaal/Papers national

CILLIERS HM, LE ROUX NJ. *Pitfalls to keep in mind when using the  $\chi^2$  goodness-of-fit test for continuous data*. Konferensie van die Suid-Afrikaanse Statistiese Vereniging. Stellenbosch, 1996.

KOTZE D, KOTZE TJvW. *Data relevancy and statistical decision making*. Konferensie van die Suid-Afrikaanse Statistiese Vereniging. Stellenbosch, 1996.

LOUW N, STEEL SJ, LE ROUX NJ. *Pre-test type variable selection in discriminant analysis*. Konferensie van die Suid-Afrikaanse Statistiese Vereniging. Stellenbosch, 1996.

LOUW N, STEEL SJ, LE ROUX NJ. *Variable selection and error rate estimation in discriminant analysis by means of cross model validation*. Konferensie van die Suid-Afrikaanse Statistiese Vereniging. Stellenbosch, 1996.

MARITZ JS, LOMBARD CJ, MORELL C. *Comparing groups using irregular longitudinal data*. Konferensie van die Suid-Afrikaanse Statistiese Vereniging. Stellenbosch, 1996.

VENTER JH, STEEL SJ. *The partial bootstrap criterion applied to wavelet thresholding*. Konferensie van die Suid-Afrikaanse Statistiese Vereniging. Stellenbosch, 1996.

## Hoofstukke in boeke/Chapters in books

MARAIS DJ, SMIT EvdM, CONRADIE WJ. Micro-level-tests for rational expectations in South Africa. In: *Beiträge zur angewandten Wirtschaftsforschung, Festschrift für Karl Heinrich Oppenlander*. Technische Hochschule Darmstadt, 1996: 295-318.

## Magister afgehandel/Master's completed

CILLIERS HM. *Aspects of the Chi-square and Kolmogorov-Smirnov goodness-of-fit tests with special reference to the continuous case*. M.Comm., 1996. 119 pp. Studieleier: Prof NJ le Roux.

## Projekte afgehandel/Projects completed

LE ROUX NJ, LOUW N, STEEL SJ. *Variable selection and error rate estimation in discriminant analysis*.

## Projekte lopend/Projects current

BINYAVANGA KW. *Edgeworth expansion techniques applied to estimation of ratio parameters*. Doktorale promotor/medepromotor: Prof JS Maritz/prof SJ Steel.

GARDNER S. *Beraming van die opsporingswaarskynlikheid van psammobates geometricus*. Magister studieleier: Prof NJ le Roux.

LOUW N. *Aspects of discriminant analysis and logistic regression: A comparative study*. Doktorale promotor/medepromotor: Prof NJ le Roux/prof SJ Steel.

MARITZ JS, STEEL SJ. *Conditional standard errors.*

MATTHEE M. *Rate making for private motor and household insurance products using statistical modelling.* Doktorale promotor/medepromotor: Prof WJ Conradie/prof A Schoeman.

SCHOEMAN A. *Comparison of correlated coefficients of correlation.*

STEEL SJ. *Numerically intensive statistics.*

VAN VUUREN JO. *Collinearity-influential observations in the multiple linear regression model.* Doktorale promotor: Prof WJ Conradie.

## **VERVOER EKONOMIE / TRANSPORT ECONOMICS**

### **Tydskrifartikels/Journal articles**

SCHUMANN CAW, ADAMS TC, PIENAAR WJ. Road construction by contractors in South Africa. *Journal of the South African Institution of Civil Engineers* 1996; **38**(2): 1-11.

### **Verrigtinge internasionaal/Proceedings internasional**

PIENAAR WJ. *Economic evaluation of passenger transport terminals and transfer facilities.* Proceedings of the Australasian Transport Research Forum Conference. Auckland, New Zealand, 1996: 2.1-2.20.

VAN NIEKERK HC. *Efficient pricing of public ports.* International Association of Maritime Economists. Proceedings of the International Conference on Shipping, Ports and Logistics Services: Solutions for Global Issues. Vancouver, Canada, 1996: 10 pp.

### **Doktoraal afgehandel/Doctoral completed**

ROOS B. *'n Geïntegreerde bestuursbenadering tot maatskappymotorvlote.* Ph.D., 1996. 242 pp. Promotor: Prof WJ Pienaar.

## **BURO VIR EKONOMIESE ONDERSOEK / BUREAU FOR ECONOMIC RESEARCH**

### **Verrigtinge internasionaal/Proceedings international**

DE JAGER N. *An analysis of the business confidence index of the Bureau for Economic Research as a leading indicator of the South African economy.* 22nd CIRET Conference. Singapore, 1995: 369-408.

STUART ODJ. *Business survey data vs official data.* 22nd CIRET Conference. Singapore, 1995: 311-330.

### **Verrigtinge nasionaal/Proceedings national**

MARTIN CH. *The prospects for the South African economy, building and civil engineering industry in 1997*. Paper delivered, BER Prospects Conference. Johannesburg, 1996.

MARTIN CH. *The short-term outlook for the macro-economy and construction industries*. Paper delivered, BER Prospects Conference. Cape Town, 1996.

## Navorsingsverslae/Research reports

KERSHOFF GJ. *Retail survey*. BEO, US, 1996. **11**(1): 50 pp.

KERSHOFF GJ. *Retail survey*. BEO, US, 1996. **11**(2): 58 pp.

KERSHOFF GJ. *Retail survey*. BEO, US, 1996. **11**(3): 60 pp.

KERSHOFF GJ. *Retail survey*. BEO, US, 1996. **11**(4): 56 pp.

KERSHOFF GJ. *The informal sector in South Africa*. BEO Occasional Research Paper, 1996/1. 45 pp.

KERSHOFF GJ. *Update*. BEO, US, February 1996. 14 pp.

KERSHOFF GJ. *Update*. BEO, US, May 1996. 11 pp.

KERSHOFF GJ, LAUBSCHER P. *Update*. BEO, US, February 1996. 14 pp.

LAUBSCHER P. *An econometric evaluation of the exchange rate sensitivities in alternative economic scenario's for South Africa over the short and medium term*. A confidential study prepared for SANLAM, BEO, US, November 1996. 23 pp.

LAUBSCHER P. *Economic prospects : Information for business leaders in a changing South Africa*. BEO, US, May 1996. **11**(1): 67 pp.

LAUBSCHER P. *Economic prospects : Information for business leaders in a changing South Africa*. BEO, US, November 1996. **11**(2): 80 pp.

LAUBSCHER P. *A macro-economic impact assessment of a proposed SOEKOR/ IOC (1 Tcf) gas project*. A confidential study prepared for SOEKOR, BEO, US, October 1996, 60 pp.

LAUBSCHER P. *Long-term forecast of inflation and interest rates: South Africa 1996 to 2030*. A confidential study prepared for Trans-Caledon Tunnel Authority, BEO, US, December 1996. 27 pp.

LAUBSCHER P. *Manufacturing survey*. BEO, US, April 1996. **11**(1): 54 pp.

LAUBSCHER P. *Manufacturing survey*. BEO, US, July 1996. **11**(2): 47 pp.

LAUBSCHER P. *Manufacturing survey*. BEO, US, October 1996. **11**(3): 58 pp.

LAUBSCHER P. *Manufacturing survey*. BEO, US, December 1996. **11**(4): 44 pp.



- LAUBSCHER P. *Update*. BEO, US, March 1996. 13 pp.
- LAUBSCHER P. *Update*. BEO, US, June 1996. 14 pp.
- LAUBSCHER P. *Update*. BEO, US, July 1996, 15 pp.
- MARTIN CH. *Building and construction*. BEO, US, July 1996. **11**(2): 49 pp.
- MARTIN CH. *Building and construction*. BEO, US, October 1996. **11**(3): 39 pp.
- MARTIN CH. *Building and construction*. BEO, US, December 1996. **11**(4): 40 pp.
- PELLISSIER GM. *Elasticity of the liquor industry*. BEO, US, April 1996. 17 pp.
- PELLISSIER GM, BURGER MP. *Trends*. BEO, US, July 1996. **19**(2): 84 pp.
- PELLISSIER GM, BURGER MP. *Trends*. BEO, US, August 1996. **19**(3): 84 pp.
- PELLISSIER GM, BURGER MP. *Trends*. BEO, US, December 1996. **19**(4): 84 pp.
- PELLISSIER GM, BURGER MP, KERSHOFF GJ. *Trends*. BEO, US, April 1996. **19**(1): 84 pp.
- STUART ODJ. *Building and construction*. BEO, US, April 1996. **11**(1): 44 pp.
- STUART ODJ. *Update*. BEO, US, August 1996. 17 pp.
- STUART ODJ, et al. *Economic outlook*. BEO, US, April 1996. 124 pp.
- STUART ODJ, et al. *Economic outlook*. BEO, US, October 1996. 147 pp.
- STUART ODJ, SMIT E. *Tydskrif vir Studies in Ekonomie en Ekonometrie*. BEO, US, April 1996. **20**(1): 97 pp.
- STUART ODJ, SMIT E. *Tydskrif vir Studies in Ekonomie en Ekonometrie*. BEO, US, August 1996. **20**(2): 96 pp.
- STUART ODJ, SMIT E. *Tydskrif vir Studies in Ekonomie en Ekonometrie*. BEO, US, November 1996. **20**(3): 78 pp.

## **Projekte afgehandel/Projects completed**

- PELLISSIER GM, SMIT BS. *The BER annual econometric model of the South African economy: A cointegration version*.
- PELLISSIER GM, SMIT BS. *Die ontwikkeling van 'n fiskale ekonometriese vooruitskattingsmodel*.

## **Projekte aan die gang/Projects current**

KERSHOFF GJ. 'n *Ontleding van heersende en verwagte toestande in die handelssektore.*

KERSHOFF GJ. 'n *Ontleding van heersende en verwagte toestande in privaat verbruiksbesteding.*

KERSHOFF GJ. 'n *Ontleding van heersende en verwagte toestande in staatsfinansies.*

LAUBSCHER P. 'n *Ontleding van heersende en verwagte toestande in fabriekswese.*

LAUBSCHER P. 'n *Ontleding van heersende en verwagte toestande in finansiële markte.*

LAUBSCHER P. 'n *Ontleding van heersende en verwagte toestande in internasionale handel.*

LAUBSCHER P. 'n *Ontleding van heersende en verwagte toestande in wêreld-ekonomie.*

MARTIN CH. 'n *Ontleding van heersende en verwagte toestande in bou en konstruksie.*

MARTIN CH. 'n *Ontleding van heersende en verwagte toestande in vaste investering.*

PELLISSIER GM. *Herskatting van ekonometriese vooruitskattingsmodelle.*

PELLISSIER GM. 'n *Ontleding van heersende en verwagte toestande in ekonometriese tendense.*

STUART ODJ. *The economy at midweek, weekly column/The Argus.*

STUART ODJ. 'n *Ontleding van heersende en verwagte toestande in algemene ekonomie.*

STUART ODJ. 'n *Ontleding van heersende en verwagte toestande in politieke tendense.*

## **INSTITUUT VIR TOEKOMSNAVORSING / INSTITUTE FOR FUTURES RESEARCH**

### **Tydskrifartikels/Journal articles**

DU TOIT JJ. Demand-side management: A crucial component of future electricity demand and supply. *EnergyScan* 1996; 4(2): 31-39.

DU TOIT JJ. Electricity generation options: Decisions to be taken shortly. *EnergyScan* 1996; 4(4): 8-18.

DU TOIT JJ. A new energy policy for South Africa: The case for nuclear energy. *EnergyScan* 1996; 4(1): 22-29.

DU TOIT JJ. A new energy policy for South Africa: Issues and implications for business. *Business Futures Bulletin* 1996; **3**(1): 1-12.

DU TOIT JJ. Restructuring the electricity industry: Different options. *EnergyScan* 1996; **4**(3): 24-39.

HALDENWANG BB. Abortion: Facts, figures and a new policy. *Business Futures Bulletin* 1996; **3**(3): 1-9.

HALDENWANG BB. International migration: A case study of the South African situation. *Development Southern Africa* 1996; **13**(6): 829-846.

HALDENWANG BB. Reemerging infectious diseases: A global threat. *Strategy Insights: Social Issues* 1996; **1**(1): 1-5.

HALDENWANG BB. The South African tourism industry: Some facts and figures, and a new policy. *Strategy Insights: Social Issues* 1996; **1**(2): 1-6.

HALDENWANG BB. Suid-Afrikaanse verstedelikingstendense en -probleme. *Agrifutura Bulletin* 1996; **3**(1): 36-41.

HALDENWANG BB. Water supply and demand in South Africa: A 'dry' future. *Strategy Insights: Environmental Issues* 1996; **1**(1): 1-5.

LIEBENBERG J. Chernobyl: Ten years after the explosion. *EnergyScan* 1996; **4**(3): 40-47.

LIEBENBERG J. Coalbed methane. *EnergyScan* 1996; **4**(4): 19-23.

LIEBENBERG J. Cogeneration: An energy efficient option for the future. *EnergyScan* 1996; **4**(4): 1-7.

LIEBENBERG J. Health and safety in the mining industry: The South African mining industry. *EnergyScan* 1996; **4**(1): 37-45.

LIEBENBERG J. The introduction of unleaded petrol in South Africa: An overview. *EnergyScan* 1996; **4**(1): 1-10.

LIEBENBERG J. Natural gas: Energy for the future. *EnergyScan* 1996; **4**(3): 16-23.

LIEBENBERG J. Rural women and the influence of energy on their lives. *EnergyScan* 1996; **4**(2): 24-30.

LIEBENBERG J. An update on the debate on the hole in the ozone layer. *EnergyScan* 1996; **4**(2): 1-7.

ROUX A. The contribution of infrastructure to international competitiveness. *Strategy Insights: Economic Issues* 1996; **4**(4): 1-4.

ROUX A. Defence expenditure and economic growth in South Africa. *Journal for Studies in Economics and Econometrics* 1996; **20**(1): 19-34.

ROUX A. Government and competitiveness. *Strategy Insights: Economic Issues* 1996; **4**(2): 1-5.

ROUX A. International competitiveness and science and technology. *Strategy Insights: Economic Issues* 1996; **4**(6): 1-4.

ROUX A. The internationalisation of the South African economy and long-term economic growth. *Strategy Insights: Economic Issues* 1996; **4**(1): 1-5.

ROUX A. People, human development and world competitiveness. *Strategy Insights: Economic Issues* 1996; **4**(8): 1-4.

ROUX A. World competitiveness and finance. *Strategy Insights: Economic Issues* 1996; **4**(3): 1-4.

ROUX A. World competitiveness updated and revisited. *Strategy Insights: Economic Issues* 1996; **4**(5): 1-3.

SPIES PH. Wêreldmededingendheid: Begripverklaring en terreinafbakening. *Tydskrif vir Geesteswetenskappe* 1996; **36**(3): 153-162.

VAN VUUREN E. Global energy scenarios, 2050 and beyond. *EnergyScan* 1996; **4**(1): 30-36.

## **Referate internasionaal/Papers international**

DU TOIT JJ. *Overview of South African energy policy-making*. Voordrag aan die Energy Information Administration of the Department of Energy. Washington, DC, 1996.

SPIES PH. *Future paths and trends for the South African economy*. Kongres van die South African Institute of International Affairs. Johannesburg, 1996.

## **Referate nasionaal/Papers national**

HALDENWANG BB. *Overview of urbanisation trends in South Africa*. Voordrag tydens die Verenigde Nasies se bekendstelling van "State of the World Population Report 1996". Orange Farm, Johannesburg, 1996.

HALDENWANG BB. *Urbanisation trends in South Africa*. Jaarkongres van die Demografiese Vereniging van Suid-Afrika. Pretoria, 1996.

ROUX A. *Population forecasts for South Africa*. Population Data Workshop of the Financial and Fiscal Commission and the Central Statistical Service. Pretoria, 1996.

ROUX A. *Socio-economic perspective on crime in South Africa*. Instituut vir Toekomstnavorsing Kongres 'Crime in the beloved country'. Stellenbosch, 1996.

SPIES PH. *Future perspectives for agricultural policy*. Agricon '96 Konferensie. Pretoria, 1996.

SPIES PH. *Wêreldmededingendheid: Begripsverklaring en terreinafbakening*. Jaarvergadering van die SA Akademie vir Wetenskap en Kuns. Pretoria, 1996.

## **Boeke/Books**

ROUX A, (ed.). *Business Futures 1996*. ITN, 1996. 612 pp.

ROUX A. *Everyone's guide to the South African Economy (4th edition)*, Zebra Press, 1996. 147 pp.

## Hoofstukke in boeke/Chapters in books

DU TOIT JJ. Energiebronne in Afrika. In: *Wêreldspektrum, boek van die jaar*. Perskor, Pat Lubbe Publikasies, 1996: 120-131.

ROUX A. Building the economy. In: Burger APJ, Theron F, Van Rooyen A, (eds). *Challenges in change*. Skool vir Openbare Bestuur, US, 1996: 67-89.

SPIES PH. Future paths and trends for the South African economy. In: Handley A, Mills G, (eds). *From isolation to integration: The South African economy in the 1990s*. The South African Institute of International Affairs, 1996: 191-223.

## Navorsingsverslae/Research reports

DOPPEGIETER J, DU TOIT JJ, LIEBENBERG J. *Energy Futures 1996*. Departement Minerale en Energie: Hoof Direkoraat Energie, 1996. 408 pp.

HALDENWANG BB. *Migration processes, systems and policies - with special emphasis on South African international migration*. Occasional Paper No. 25, ITN, US, 1996. 105 pp.

HALDENWANG BB, BOSHOFF SC. *Forecasts of the Eastern Cape population, 1991-2026*. Occasional Paper No. 29, ITN, US, 1996. 106 pp.

HALDENWANG BB, BOSHOFF SC. *Forecasts of the Free State population, 1991-2026*. Occasional Paper No. 30, ITN, US, 1996. 106 pp.

HALDENWANG BB, BOSHOFF SC. *Forecasts of the Gauteng population, 1991-2026*. Occasional Paper No. 32, ITN, US, 1996. 106 pp.

HALDENWANG BB, BOSHOFF SC. *Forecasts of the KwaZulu-Natal population, 1991-2026*. Occasional Paper No. 35, ITN, US, 1996. 106 pp.

HALDENWANG BB, BOSHOFF SC. *Forecasts of the Mpumalanga population, 1991-2026*. Occasional Paper No. 34, ITN, US, 1996. 106 pp.

HALDENWANG BB, BOSHOFF SC. *Forecasts of the Northern Cape population, 1991-2026*. Occasional Paper No. 28, ITN, US, 1996. 106 pp.

HALDENWANG BB, BOSHOFF SC. *Forecasts of the Northern Province population, 1991-2026*. Occasional Paper No. 33, ITN, US, 1996. 106 pp.

HALDENWANG BB, BOSHOFF SC. *Forecasts of the North-West population, 1991-2026*. Occasional Paper No. 31, ITN, US, 1996. 106 pp.

HALDENWANG BB, BOSHOFF SC. *Forecasts of the South African population, 1991-2026*. Occasional Paper No. 26, ITN, US, 1996. 96 pp.

HALDENWANG BB, BOSHOFF SC. *Forecasts of the Western Cape population, 1991-2026*. Occasional Paper No. 27, ITN, US, 1996. 106 pp.

## **Projekte afgehandel/Projects completed**

DU TOIT J, DOPPEGIETER JJ. *Projecting the state and growth potential of various economic sectors.*

DU TOIT J, LIEBENBERG JH, SPIES PH, DOPPEGIETER JJ.  
*Omgewingsverkenning en scenario-ontwikkeling vir langtermyn energienavorsingsbeplanning in Suid-Afrika.*

SPIES PH, PIENAAR WJ, BADENHORST C. *Spoornet project on the transport function in Southern Africa (1994-1996).*

## **Projekte lopend/Projects current**

DOPPEGIETER JJ, DU TOIT J. *Modelling demand for and supply of energy in South Africa - Phase 1: Investigation and planning.*

HALDENWANG BB. *Toegepaste demografie-navorsingsprojek.*

# FAKULTEIT INGENIEURSWESE FACULTY OF ENGINEERING

---

## Bedryfsingenieurswese (Waarby ingesluit die Instituut vir Bedryfsingenieurswese) industrial engineering (Including the Institute for Industrial Engineering)

### Tydskrifartikels/Journal articles

SAUNDERS R, PAGE DC. Small business quality training. *Productivity SA* 1996; **22**(6): 23-26.

STINNES IA, PAGE DC. FLEISCHER G. Comparison of LCI studies in South Africa and Germany. *The International Journal of Life Cycle Assessment* 1996; **1**(2): 110-112.

VAN SCHOOR HD, KONZ S. Males/females: An anthropometric comparison for modelling missing data. *International Journal of Industrial Ergonomics* 1996; **17**(5): 437-430.

VAN SCHOOR HD, VAN NIEKERK FSA, PAGE DC. Comparison of computer and video media for the ergonomic evaluation of work station design. *Ergonomics SA* 1995; **7**(1): 5-11.

### Verrigtinge internasionaal/Proceedings international

PAGE DC. *Application of computer aided workstation and facility design in South Africa*. Proceedings of the 4th Pan Pacific Conference on Occupational Ergonomics. Taipei, Taiwan, 1996: 37-40.

### Verrigtinge nasionaal/Proceedings national

COETZEE CG, PAGE DC. *Computerized inspection and quality control*. Proceedings of the Second Application Symposium of the South African Institute of Measurement and Control. Durban, 1996: 1.1-1.9.

SAUNDERS R, PAGE DC. *Quality training in the small business and informal sectors of the Western Cape*. Proceedings of the 1996 World Productivity Assembly. Johannesburg, 1996: X.1-X.10.

STRYDOM PD, VON LEIPZIG KH. *Improving quality in the service industry through an integrated production planning model*. Proceedings of the 1996 World Productivity Assembly. Johannesburg, 1996: X.1-X.3.

### Referate internasionaal/Papers international

DU PREEZ ND. *Industrial requirements in developing countries - The use of the latest Technology*. Invited paper at Planning Meeting on Productivity Enhancement through Engineering Analysis and Design of the Commonwealth Science Council. London, 1996.

VAN RYNEVELD WP. *Competency based training in quality*. 8th International Quality Conference. Pretoria, 1996.

### **Referate nasionaal/Papers national**

JÜRGENS MLJ, PAGE DC. *Reducing development time of mechatronics applications using an object-oriented approach to software development*. South African Institute for Industrial Engineering Seminar on Mechatronics in Industrial Engineering. Stellenbosch, 1996: 1-12.

VAN SCHOOR HD, PAGE DC. *Computer aided workstation and facilities design*. Sixth Conference of the Ergonomics Society of South Africa. Kempton Park, 1996.

### **Navorsingsverslae/Research reports**

PAGE DC, FOURIE CJ, COETZEE CG, CILLIERS D. *Investigation of method improvements to increase production capacity*. Institute for Industrial Engineering, US, 1996. 62 pp.

### **Magister afgehandel/Master's completed**

ANDRAG AO. *ISO9000 based quality management system for Sascoal Engineering*. M.Ing., 1996. 95 pp. Studieleier: Prof WP van Ryneveld.

DEEKE GW. *A heuristic approach application of network modelling*. M.Ing., 1996. 128 pp. Studieleier: Prof ND du Preez.

DEVIS DJO. *A quantitative approach for time compression breakdown maintenance management process cycles through information enablement*. M.Ing., 1996. 225 pp. Studieleier: Mej A-M du Plessis.

ESTERHUIZEN JLA. *Utilising knowledge of failure mechanisms and failure patterns in compiling maintenance plans for improved machinery and equipment reliability*. M.Ing., 1996. 183 pp Studieleier: Mnr J Heese.

FOURIE CJ. *The use of expert systems for the advancement of manufacturing in South Africa*. M.Ing., 1996. 175 pp. Studieleier: Prof ND du Preez.

MYBURGH HT. *Wêreldklas vervaardiging - 'n strategie vir implementering*. M.Ing., 1996. 173 pp. Studieleier: Prof ND du Preez.

ROHNE HM. *The implementation of a corrective action system for product quality improvements at an automotive manufacturing plant*. M.Ing., 1996. 181 pp. Studieleier: Dr DC Page.

SAUNDERS R. *Quality in the informal and small business sectors of the Western Cape*. M.Ing. cum laude, 1996. 174 pp. Studieleier: Dr DC Page.

SNYMAN TJ. *The transfer of rapid computer aided facilities redesign technology from the USA to South Africa*. M.Ing., 1996. 135 pp. Studieleier: Dr DC Page.



STINNES IA. *Life cycle inventory analysis of the recycling processes of plastic bottle and film products in Germany and South Africa*. M.Ing. cum laude, 1996. 165 pp. Studieleier: Dr DC Page.

VAN DER WESTHUIZEN M. *Rekenaar geïntegreerde instandhouding: 'n Lugvaart toepassing*. M.Ing. cum laude, 1996. 140 pp. Studieleier: Prof ND du Preez.

VAN SCHOOR HD. *Computer aided ergonomics and facilities design*. M.Ing. cum laude, 1996. 183 pp. Studieleier: Dr DC Page.

## **Projekte afgehandel/Projects completed**

CONRADIE PDF. *Werkswinkelprosesse: Rekenaargesteunde berekening van die standaardkoste van 'n vervaardigingsoperasie of -taak (soos bv. draai, frees, boor, sweis, ens.) met behulp van 'n kundige stelsel of standaardinligting*.

DU PLESSIS PM, GRUBER S. *Quality management*.

## **Projekte lopend/Projects current**

ACKER T. *Die ontwikkeling van 'n hipermedia toepassing*. Magister studieleier: Prof ND du Preez.

AGGENBACH JC. *Logistical supply chain management of containers: Rail operations*. Magister studieleier: Prof ND du Preez.

ALBERTS AJ. *Die ontwerp van 'n multi-beweegkrag instandhoudingsfasiliteit*. Magister studieleier: Dr DC Page.

ARMSTRONG W. *Development maintenance system*. Magister studieleier: Mnr J Schoeman.

BEYERS HP. *Produktiwiteitsverhoging in die kunsmisbedryf*. Magister studieleier: Mnr K von Leipzig.

BOSHOFF WJ. *Logistical supply chain management of containers: Stacking logic*. Magister studieleier: Prof ND du Preez.

BRITZ A. *Standard main proceedings Sishen loco's*. Magister studieleier: Mnr J Heese.

BROBERG D. *Benchmarking - particle board purchase Specs*. Magister studieleier: Mnr G van Niekerk.

BRUNNER H. *Vibrasie monitering - lokos betroubaarheid*. Magister studieleier: Mnr J Heese.

CILLIERS E. *The application of lean manufacturing principles for the small producer*. Magister studieleier: Mnr K von Leipzig.

CILLIERS JDF. *Business process re-engineering in small and medium manufacturing enterprises*. Magister studieleier: Prof ND du Preez.

CLOTHIER AM. *Logistical supply chain management of containers: Data tag identification and tracking*. Magister studieleier: Prof ND du Preez.

COETZEE CG. *Computer aided quality control*. Magister studieleier: Dr DC Page.

COETZEE JH. *Applications in computerized automation and inspection using linear displacement transducers*. Magister studieleier: Dr DC Page.

COYTE-KING Z, DAVIES AN, DIRKSE VAN SCHALKWYK TG, SVOBODA V. *Development of scheduling principles for Spoornet in Southern Africa*. Magister studieleier: Mnr M Michau.

DU PLESSIS LA, DUFFUS L, LATEGAN JF, NEL EL, VAN DER MERWE AM, VAN DER MERWE HC, VAN NIEKERK SF. *Analysis, development and improvement of a rail based logistical solution*. Magister studieleier: Mnr K von Leipzig.

ELIZARDO J. *Framework TQM for TSA*. Magister studieleier: Dr J Lombard.

ERASMUS DJ. *Functionality of Microsoft help as a low cost platform for the distribution of hypermedia applications*. Magister studieleier: Prof ND du Preez.

FENSKE AEF. *Logistical supply chain management of containers: Documentation*. Magister studieleier: Prof ND du Preez.

GILDENHUYS GB. *Diesel depot workflow analysis*. Magister studieleier: Mnr J Heese.

JÜRGENS MLJ. *Mechatronics applications in manufacturing using object oriented software in windows*. Magister studieleier: Dr DC Page.

LIEBENBERG M. *Produktiwiteitsmetings in 'n produktiwiteitsbestuurstel*. Magister studieleier: Prof ND du Preez.

LOUW E. *Rationalization main rolling stock facilities*. Magister studieleier: Prof ND du Preez.

MANARE K. *Maintenance strategy Lesotho Breweries*. Magister studieleier: Mnr J Heese.

MARAIS MC. *'n Proses om die steunbaarheid van wapenstelsels tydens ontwerp te optimeer*. Magister studieleier: Dr DC Page.

MINNAAR PD. *ED QM project*. Magister studieleier: Prof WP van Ryneveld.

MOUTON R. *Continuous improvement powerstation*. Magister studieleier: Mnr K von Leipzig.

MULLER RC. *Benchmarking framework*. Magister studieleier: Mnr M Michau.

MYBURGH DJ. *Die ontwikkeling en implementering van 'n kostegedrewe projekbestuurskema*. Magister studieleier: Mnr K von Leipzig.

NEL JWA. *Logistical supply chain management of containers: Container handling*. Magister studieleier: Prof ND du Preez.

NEL PA. *A methodology for multi-level maintenance management - a critical approach to the application of new technology to maintenance management*. Magister studieleier: Prof ND du Preez.

NIEHAUS F, SMIT JP, STEINMANN JH, STEVENS TMJ, VIVIERS JJ, BLIGNAUT JH, CUDDON M, DE KOCK JM, HOLDRIDGE BAA, JOOSTE JP, LAUBSCHER BMC. *To develop, implement and optimize an effective integrated planning and production process within infrastructure on the Johannesburg to Cape Town corridor*. Magister studieleier: Prof ND du Preez.

PAGE DC. *Virtual factory and quality tools*.

PATERSON MR. *User Specs fleet Metro*. Magister studieleier: Prof ND du Preez.

RUTHVEN GA. *An analysis of the EVA concept in the South African industry*. Magister studieleier: Mnr K von Leipzig.

SAAYMAN S. *Logistical supply chain management of containers: Inland container harbour*. Magister studieleier: Prof ND du Preez.

SCHOEMAN D. *Keuse van die mees geskikte materiaal en proses for 'n spesifieke produk deur gebruikmaking van kundige stelsels en standaard inligting. (Choosing and implementing the most suitable material and process for a particular product by using expert systems and standard information.)* Magister studieleier: Mnr CJ Fourie.

STRYDOM J. *Logistical supply chain management of containers: Seaward logistic as input for the planning*. Magister studieleier: Prof ND du Preez.

STRYDOM PD. *Die ontwikkeling, evaluering en implementering van 'n meesterskedule beplanningsmodel vir 'n possentrum*. Magister studieleier: Mnr K von Leipzig.

TRIEGAARDT WA. *The essence and application of activity-based costing in South African companies*. Magister studieleier: Mnr K von Leipzig.

VAN DER MERWE AF. *The development of an air suspension cushion for reducing human exposure to vibration*. Doktorale promotor: Dr DC Page.

VENTER C. *Design implement math model - strategy*. Magister studieleier: Mnr K von Leipzig.

WATSON NR. *Logistical supply chain management of containers: Information system*. Magister studieleier: Prof ND du Preez.

WILSON RP. *Machine shop - tailoring inspection via different methods*. Studieleier: Mnr WP Breytenbach.

## **eenheid vir gevorderde vervaardiging (senrob) / unit for advanced manufacturing**

### **Tydskrifartikels/Journal articles**

FOURIE CJ, DEIST LA. Control of mobile robots with fuzzy reasoning. *Mathematics and Computers in Simulation* 1996; **41**(3-4): 257-262.

### **Verrigtinge internasionaal/Proceedings international**

FOURIE CJ. *The importance of flexible manufacturing systems for developing countries*. Proceedings of the 27th International Symposium on Industrial Robots. Milan, Italy, 1996: 397-402.

### **Navorsingsverslae/Research reports**

FOURIE CJ, et al. *Programmering op die Starmill freesmasjien - 'n Praktiese Handleiding*. Bedryfsingenieurswese, US, 1996. 120 pp.

FOURIE CJ, REID J, OLIVIER MK, VÖGEL MJ. *Three project management case studies on the construction of a boiler house*. Bedryfsingenieurswese, US, 1996. 90 pp.

### **Magister afgehandel/Master's completed**

FOURIE CJ. *Decision support systems for the management of manufacture*. M.Ing., 1996. 175 pp. Studieleier: Dr F Viviers.

### **Projekte afgehandel/Projects completed**

KNOETZE F. *A study of autonomous guided vehicles*.

VAN DER MERWE CJ. *Test and evaluation of the technical principles of CIM*.

### **Projekte lopend/Projects current**

FOURIE CJ. *Material handling and mobile robotics*.

NEL AJ. *Ontwerp en bou van 'n mobiele robot vir materiaal hantering*. Magister studieleier: Mnr CJ Fourie.

SCHOEMAN D. *The development of the basis for an expert system to aid in design for manufacturing*. Magister studieleier: Mnr CJ Fourie.

## **chemiese ingenieurswese / chemical engineering**

### **Tydskrifartikels/Journal articles**

ALDRICH C. Intelligent systems and process engineering. *South African Journal of Science* 1996; **92**: 300-301.

ALDRICH C, MOOLMAN DW, EKSTEEN JJ, VAN DEVENTER JSJ. Characterisation of flotation processes with self-organizing neural nets. *Chemical Engineering Communications* 1995; **139**: 25-39.

ALDRICH C, VAN DEVENTER JSJ. Modelling of induced aeration in turbine aerators by use of radial basis function neural networks. *The Canadian Journal of Chemical Engineering* 1995; **73**: 808-816.

ANNANDALE GJ, LORENZEN L, VAN DEVENTER JSJ, ALDRICH C. Neural net analysis of the liberation of gold using diagnostic leaching data. *Minerals Engineering* 1996; **9**(2): 195-213.

GILES AE, ALDRICH C, VAN DEVENTER JSJ. Modelling of rare earth solvent extraction with artificial neural nets. *Hydrometallurgy* 1996; **43**: 241-255.

GOUWS FS, ALDRICH C. Rule-based characterisation of industrial flotation processes with inductive techniques and genetic algorithms. *Industrial and Engineering Chemistry Research* 1996; **35**: 4119-4127.

MOOLMAN DW, ALDRICH C, SCHMITZ GPJ, VAN DEVENTER JSJ. The interrelationship between surface froth characteristics and industrial flotation performance. *Minerals Engineering* 1996; **9**(8): 837-854.

MOOLMAN DW, ALDRICH C, VAN DEVENTER JSJ. The interpretation of flotation froth surfaces by using digital image analysis and neural networks. *Chemical Engineering Science* 1995; **22**: 3501-3513.

MOOLMAN DW, EKSTEEN JJ, ALDRICH C, VAN DEVENTER JSJ. The significance of flotation froth appearance for machine vision control. *International Journal of Mineral Processing* 1996; **48**(3-4): 135-158.

NIEUWOUDT I. Vapour-liquid equilibria and densities for the system butane + hexacontane. *Journal of Chemical Engineering Data* 1996; **41**: 1024-1027.

PETERSEN FW, VAN DEVENTER JSJ. The mechanism of interaction between ore fines and porous adsorbents. *International Journal of Mineral Processing* 1996; **46**: 107-122.

PETERSEN KRP, ALDRICH C, VAN DEVENTER JSJ, McINNIS C, STANGE WW. Hydrocyclone underflow monitoring using image processing methods. *Minerals Engineering* 1996; **9**(3): 301-315.

RADEMAN JAM, MOOLMAN DW, LORENZEN L, VAN DEVENTER JSJ, ALDRICH C. Neural net based knowledge extraction from the historical data of an industrial leaching process. *Hydrometallurgy* 1996; **43**: 95-116.

VAN DEVENTER JSJ, MOOLMAN DW, ALDRICH C. Visualisation of plant disturbances using self-organising maps. *Computers and Chemical Engineering: An International Journal of Computer Applications in Chemical Engineering* 1996; **20**(Supplement): S1095-S1100.

### **Verrigtinge internasionaal/Proceedings international**

ALDRICH C, TOLMAN JD. *Application of machine learning techniques in the process industries*. Research Event of the Institute of Chemical Engineers. Bradford/Leeds, 1996.

BARNARD JP, ALDRICH C. *Rectification of dynamic process data artificial neural networks*. Proceedings of an International Conference on Minerals & Materials '96. Vol. 1: Minerals. South African Institute of Mining and Metallurgy. Somerset West, South Africa, 1996: 202-208.

BUCKLE RL, LORENZEN L, ALBERTS C, VAN DEVENTER JSJ. *The immobilization techniques for various plant pollutants originating from industrial waste and other waste compounds*. Proceedings of an International Conference on Minerals & Materials '96. Vol. 1: Minerals. South African Institute of Mining and Metallurgy. Somerset West, South Africa, 1996: 373-381.

BUCKLE RL, LORENZEN L, VAN DEVENTER JSJ. *The stabilization and disposal of jarosite*. Proceedings of the Second International Symposium of Iron Control in Hydrometallurgy: Iron Control and Disposal. Ottawa, Canada, 1996: 597-611.

CLOETE FLD, MARAIS AP. *Ion exchange processes for the recovery of very dilute acetic and related acids*. Proceedings of IEX'96: Ion Exchange Developments and Applications, Royal Society of Chemistry. Cambridge, UK, 1996: 452-459.

DU PREEZ AF, LORENZEN L, VAN DEVENTER JSJ. *The modelling of diffusion controlled competitive elution from activated carbon*. Proceedings of an International Conference on Minerals & Materials '96. Vol. 1: Minerals. South African Institute of Mining and Metallurgy. Somerset West, South Africa, 1996: 351-358.

GOUWS FS, ALDRICH C. *Development of an expert system for metal corrosion*. Proceedings of an International Conference on Minerals & Materials '96. Vol. 1: Minerals. South African Institute of Mining and Metallurgy. Somerset West, South Africa, 1996: 211-218.

GOUWS FS, ALDRICH C, SCHMITZ GPJ. *The use of machine learning techniques for the extraction of process knowledge from industrial flotation plants*. 26th Proceedings of the Application of Computers and Operations Research in the Mineral Industry. Pennsylvania, USA, 1996: 315-321.

HAYWARD DJ, VAN JAARVELD JGS, VAN DEVENTER JSJ, LORENZEN L. *The utilization of waste materials in the immobilization of solid and liquid waste by reactive polymerization*. Proceedings of an International Congress Wastecon '96: Waste Management - in crisis. Durban, South Africa, 1996: 22-33.

JACOBS EP, BOTES JP, BRADSHAW SM, SAAVMAN HM. *Membrane filtration in potable-water production*. Proceedings ICOM'96, The 1996 International Congress on Membranes and Membrane Processes. Yokohama, Japan, 1996: 1054-1055.

JACOBS EP, BOTES JP, BURTON SG, LEUKES WD, EDWARDS W, SAAVMAN HM. *Novel capillary membranes for wastewater remediation or potable water production*. Proceedings XIV National Symposium on Membranes in Chemical and Biochemical Industries. Indian Institute of Technologies, Delhi, India, 1996.

JACOBS EP, PILLAY VL, BRADSHAW SM, BOTES JP. *New low-pressure UF membranes in aqueous applications*. Proceedings IMSTEC'96,

International Membrane Science and Technology Conference. Sydney, Australia, 1996; 1: 1.7.

JANSEN VAN RENSBURG AE, PETERSEN KRP, LORENZEN L, VAN DEVENTER JSJ. *Design of a leaching procedure for testing immobilized industrial waste*. Proceedings of an International Conference on Minerals & Materials '96. Vol. 1: Minerals. South African Institute of Mining and Metallurgy. Somerset West, South Africa, 1996: 382-389.

LORENZEN L, ANNANDALE GJ, VAN DEVENTER JSJ. *The interrelationship between mineral liberation and leaching behaviour of refractory ores*. Proceedings of the 5th International Congress on Applied Mineralogy: ICAM '96. Warsaw, Poland, 1996: 72-77.

LORENZEN L, JANSEN VAN RENSBURG AE, PETERSEN KRP, VAN DEVENTER JSJ. *The design of leaching tests to determine the effectiveness of heavy metal immobilization in solid wastes*. Proceedings of an International Congress Wastecon '96: Waste Management - in crisis. Durban, South Africa, 1996: 521-531.

NESBITT AB, LORENZEN L. *Practical training for increased technological development in chemical engineering (The Western Cape experience)*. Proceedings of the 5th International Symposium on Science and Technology: Towards capacity building in science and technology. Research Council of Zimbabwe, Harare, Zimbabwe, 1996.

NIEUWOUDT I. *The fractionation of high molecular weight alkane mixtures with supercritical fluids*. Proceedings of the 3rd International Symposium on High Pressure Chemical Engineering: Process Technology Proceedings, 12. Zürich, Switzerland, 1996: 283-290.

PETERSEN KRP, ALDRICH C. *Particle belt monitoring using textural analysis*. Proceedings of an International Conference on Minerals & Materials '96. Vol. 1: Minerals. South African Institute of Mining and Metallurgy. Somerset West, South Africa, 1996: 242-249.

SCHMITZ GPJ, ALDRICH C, GOUWS FS. *Extraction decision trees from artificial neural networks*. Proceedings of an International Conference on Minerals & Materials '96. Vol. 1: Minerals. South African Institute of Mining and Metallurgy. Somerset West, South Africa, 1996: 250-257.

VAN DEVENTER JSJ, ALDRICH C. *Modelling of solvent extraction systems with neural nets*. Proceedings of the International Solvent Extraction Conference (ISEC '96). Melbourne, Australia, 1996: 831-836.

VAN DEVENTER JSJ, BEZUIDENHOUT M, MOOLMAN DW. *The monitoring of flotation performance using neural computer vision of the froth phase*. Proceedings of the 24th Australian and New Zealand Chemical Engineering Conference: CHEMECA '96. Sydney, Australia, 1996; 3: 59-64.

VAN JAARSVELD JGS, VAN DEVENTER JSJ, LORENZEN L. *Immobilization of toxic metals in geopolymers*. Proceedings of the 24th Australian and New Zealand Chemical Engineering Conference: CHEMECA '96. Sydney, Australia, 1996; 4: 45-50.

## **Verrigtinge nasionaal/Proceedings national**

JACOBS EP, BOTES JP, SAAYMAN HM, BRADSHAW SM, SANDERSON RD. *Crossflow ultrafiltration: A single-step approach to small and medium-scale rural watercare*. The Water Institute of Southern Africa Biennial Conference and Exhibition. Port Elizabeth, 1996; 1: 16.

KNOETZE JH. *Problems associated with the prediction of a formation of explosives gaseous mixtures*. Proceedings of the workshop on research and development in the explosives industry, NIXT. Pretoria, 1996: 33-40.

KNOETZE JH. *Samewerking tussen tersiêre instellings en die nywerheid tot voordeel van beide partye*. Verrigtinge van die werkswinkel oor navorsing en ontwikkeling in die plofstofbedryf, NIXT. Pretoria, 1996: 5-10.

SMITH SPJ, VAN RENSBURG S, JACOBS EP, SANDERSON RD, LORENZEN L, ALDRICH C. *An investigation of the effects of polymerization conditions of PAN on the properties of hollow fibre carbon membranes by means of statistically designed experiments*. Macromolecule Society of South Africa. Stellenbosch, 1996.

### **Referate internasionaal/Papers international**

VAN DER WALT A, JACOBS EP, BRADSHAW SM. *A model for the performance of cellulose acetate tubular nanofiltration membranes*. 2nd African Water Conference. Midrand, 1996.

### **Referate nasionaal/Papers national**

ALDRICH C. *An overview of neurocontrol systems in the process industries*. Advanced Process Control Creates Opportunities. Pretoria, 1996.

BRADSHAW SM. *Microwave sintering*. Novel Applications and Processes Symposium '96, The Powder Metallurgy Association of South Africa. Johannesburg, 1996.

BRADSHAW SM, VAN WYK EJ, DE SWARDT J, RHEEDER H. *Microwave treatment of wastes*. Eskom Industrial Microwave Heating Seminar. Johannesburg and Cape Town, 1996.

DE JAGER B, LORENZEN L, VAN DEVENTER JSJ. *The mechanism of the degradation of cyanide in various types of soils*. Mintek Postgraduate Seminar. Johannesburg, 1996.

DE VILLIERS HA, JACOBS EP, BOTES JP. *Using filtermembrane to clear water of pathogens*. Association for vegetables under protection, Workshop. Stellenbosch, 1996.

DE VILLIERS PGR, LORENZEN L, VAN DEVENTER JSJ. *The use of ion-exchange resin to selectively extract species from an insoluble solid in slurries*. Mintek Postgraduate Seminar. Johannesburg, 1996.

VAN DER WALT A, JACOBS EP, NEL C. *Optimization of cellulose acetate tubular nanofiltration membranes*. The Water Institute of Southern Africa Biennial Conference and Exhibition. Port Elizabeth, 1996.

VAN WYK EJ, BRADSHAW SM. *The microwave regeneration of activated carbon*. Mintek Postgraduate Seminar. Johannesburg, 1996.



## Patente/Patents

BRADSHAW SM, SPICER JL. *Aluminium nitride production*. SA Patent No. 96/5772, 1996.

NIEUWOUDT I. *Separation of phenolic compounds and neutral oils*. SA Patent No. 96/3256, 1996.

## Navorsingsverslae/Research reports

ALDRICH C, MOOLMAN DW. *Analysis and modelling of process circuit operation*. Richards Bay Minerals, 1996. 25 pp.

BRADSHAW SM. *Microwave heating techniques relevant to (words omitted for confidentiality) firing of bricks*. Energy Technology and Systems, 1996. 32 pp.

HAYWARD DJ, PETERSEN KRP. *Removal of commercial pigment from industrial effluent*. Somchem Pty Ltd., 1996. 33 pp.

HAYWARD DJ, PETERSEN KRP. *Removal of sparingly soluble organic contaminants from industrial effluent*. Somchem Pty Ltd., 1996. 53 pp.

NIEUWOUDT I. *The recovery of plasticizers from Vynide condensate*. Vynide Pty. Ltd., 1996. 16 pp.

## Doktoraal afgehandel/Doctoral completed

SAAYMAN N. *Molecular simulation of thermodynamics in liquid mixture - a mean-field approach*. Ph.D., 1996. 373 pp. Promotor/medepromotor: Prof L Lorenzen/dr I Nieuwoudt.

## Magister afgehandel/Master's completed

ALBERTS CA. *The immobilisation of inorganic pollutants in fly-ash and other waste components*. M.Ing., 1996. 180 pp. Studieleier/medestudieleier: Prof JSJ van Deventer/prof L Lorenzen.

BOTES FG. *The development and modelling of jet reactors*. M.Ing. cum laude, 1996. 210 pp. Studieleier/medestudieleier: Prof JSJ van Deventer/prof L Lorenzen.

CHEMALY BF. *Modelling of the transport phenomena in an air gap membrane distillation unit*. M.Ing., 1996. 154 pp. Studieleier/medestudieleiers: Prof L Lorenzen/prof C Aldrich en dr RD Sanderson.

CLAASSEN PM. *The implementation of renewable energy in South Africa*. M.Ing., 1996. 108 pp. Studieleier: Dr DW Moolman.

GOLIATH E. *Die optimering van energieverbruik op etanol-distillasie aanlegte*. M.Ing., 1996. 160 pp. Studieleier: Prof FLD Cloete.

## Projekte afgehandel/Projects completed

BARKHUYSEN M. *The kinetics and mechanism of the carbothermic reduction of titanium containing material*. Nagraadse Diploma studieleier/medestudieleier: Prof C Aldrich/prof L Lorenzen.

DE JAGER B. *The mechanism and kinetics of the degradation and migration of reactive and non-reactive species (cyanide) in various types of soils*. Nagraadse Diploma studieleier/medestudieleier: Prof L Lorenzen/prof JSJ van Deventer.

## Projekte lopend/Projects current

BARNARD JP. *Process modelling and system identification with connectionist state space methods*. Doktorale promotor: Prof C Aldrich.

BOTES JP. *Membrane filtration in rural water care*. Magister studieleier/medestudieleier: Dr SM Bradshaw/dr EP Jacobs.

BOTHA KE. *The recovery of high value components from plant matter by means of supercritical extraction*. Magister studieleier: Dr I Nieuwoudt.

CRAUSE JC. *The development of a fundamental mass transfer model for structured packing*. Magister studieleier: Dr I Nieuwoudt.

DE JONGH JG. *The simulation of a transient leaching process*. Magister studieleier/ medestudieleier: Dr DW Moolman/prof JSJ van Deventer.

DE VILLIERS PGR. *The use of ion-exchange resin to selectively extract species from an insoluble solid in slurries*. Doktorale promotor/medepromotor: Prof L Lorenzen/prof JSJ van Deventer.

DE WET ROOS D. *Core shell technology*. Doktorale promotor/medepromotors: Dr RD Sanderson/prof JH Knoetze en dr B Cooray.

DU PREEZ AF. *The effect of organic substances on the elution of metal complexes from activated carbon*. Magister studieleier/medestudieleier: Prof JSJ van Deventer/ prof L Lorenzen.

DU PREEZ HS. *The modelling of the response of a resin in pulp reactor*. Magister studieleier/medestudieleier: Prof L Lorenzen/mnr ER Els.

ELS ER. *Modelling of the recovery of platinum group metals from sulphide ores with the use of ion exchange resins*. Doktorale promotor/medepromotor: Prof L Lorenzen/ prof C Aldrich.

FOURIE AG. *The analysis of metal and slag phases in metallurgical furnaces*. Magister studieleier/medestudieleier: Prof C Aldrich/dr DW Moolman.

GOUWS FS. *Analysis and optimisation of chemical processes with inductive knowledge systems*. Magister studieleier: Prof C Aldrich.

GREEFF DJ. *Application of evolutionary strategies in the optimization of mineral processing plants*. Magister studieleier: Prof C Aldrich.

HAYWARD DJ. *The detoxification and immobilisation of organic solid and liquid waste by reactive polymerisation.* Magister studieleier/medestudieleier: Prof L Lorenzen/mnr KRP Petersen.

HOLTZHAUSEN DJ. *The modelling of a lead-zinc elektrochemical battery.* Doktorale promotor/medepromotor: Prof L Lorenzen/dr DW Moolman.

JACOBS EP, BARNARD JP, SANDERSON RD. *Ondersoek na die opgradering van Oranjerivier en sekondêre rioolwater met behulp van ultrafiltrasie en nanofiltrasie.*

JANSEN VAN RENSBURG AE. *The leaching of solid wastes to determine the effectiveness of immobilising heavy metals and organic materials.* Magister studieleier/ medestudieleier: Prof L Lorenzen/prof JSJ van Deventer.

KEULER JN. *The investigation into the use of composite membranes for organic reactions.* Magister studieleier/medestudieleier: Prof L Lorenzen/dr RD Sanderson.

LEON RX. *Dynamic modelling of ill-defined grinding systems.* Magister studieleier: Dr DW Moolman.

LOFTUS BM. *The development of a jet reactor for the extraction of valuable metals from refractory ores.* Magister studieleier/medestudieleier: Prof L Lorenzen/mnr KRP Petersen.

LORENZEN L, ELS ER, PETERSEN KRP. *The design of a ferro-magnetic fluid pilot plant.*

LORENZEN L, PETERSEN KRP, SCHMIDT P. *Improved dust recovery on cyclone separators.*

NEL C. *Modelling the dry scrubbing process for fluorine adsorption on alumina.* Doktorale promotor: Prof JH Knoetze.

PETERSEN KRP. *The video-graphic analysis of discrete images from minerals processing circuits.* Doktorale promotor/medepromotor: Prof JSJ van Deventer/prof C Aldrich.

SCHMIDTZ GPJ. *The modelling of complex process data using neural networks.* Magister studieleier/medestudieleier: Dr DW Moolman/prof C Aldrich.

SPICER J. *Combustion synthesis of aluminium nitrate.* Magister studieleier: Dr SM Bradshaw.

VAN DER WALT A. *Design, development and characterization of a transverse flow tubular membrane reactor for biochemical reactions.* Magister studieleier/medestudieleier: Mnr C Nel/dr E Jacobs.

VAN DYK WA. *The dynamic behaviour of coarse particles in flotation froths.* Doktorale promotor/medepromotor: Prof JSJ van Deventer/prof L Lorenzen.

VAN WYK E. *Microwave processing of materials.* Magister studieleier: Dr SM Bradshaw.

VAN ZYL FJ. *The design and control of a submerged-arc furnace using data visualization*. Magister studieleier/medestudieleier: Dr DW Moolman/prof L Lorenzen.

VAN ZYL (née BUCKLE) RL. *The immobilisation of heavy metals in industrial wastes*. Magister studieleier/medestudieleier: Prof L Lorenzen/prof JSJ van Deventer.

VENTER DL. *The separation of phenolic compounds and neutral oils*. Magister studieleier: Dr I Nieuwoudt.

**elektriese en elektroniese ingenieurswese  
(Waarby ingesluit die Sentrum vir Elektriese  
en Elektroniese Ingenieurswese)  
electrical and electronic engineering  
(Including the Centre for Electrical and Electronic Engineering)**

**Tydskrifartikels/Journal articles**

CHOW TING CHAN TV, READER HC. Modelling of modes and perspectives on multiple feeds in microwave ovens. *Journal of Microwave Power and Electromagnetic Energy* 1996; **31**(4): 238-251.

DAVIDSON DB. Parallel Computing. *IEEE Potentials* 1995; **14**(2): 6-10.

DU TOIT L, CLOETE JH. Electric screen jauman absorber design algorithms. *IEEE Transactions on Microwave Theory and Techniques* 1996; **44**(12): 2238-2245.

ENSLIN JHR, ZHAO J, SPÉE R. Operation of the Unified Power Flow Controller as Harmonic Isolator. *IEEE Transactions on Power Electronics* 1996; **11**(6): 776-784.

GENADE B, SCHOONWINKEL A. Overview and comparison of methodologies for 3D Human Motion Analysis. *Elektron Journal of the South African Institute of Electrical Engineers* 1996; **13**(10): 30-32.

JEFFERY M, PEROLD WJ, VAN DUZER T. Superconducting complementary output switching logic operating at 5-10 Gb/s. *Applied Physics Letters* 1996; **69**(18): 2746-2748.

KAMPER MJ, VAN DER MERWE FS, WILLIAMSON S. Direct finite element design optimisation of the cageless reluctance synchronous machine. *IEEE Transactions on Energy Conversion* 1996; **11**(3): 547-553.

MEYER FJC, DAVIDSON DB. Adaptive-mesh refinement of finite-element solutions for two-dimensional electromagnetic problems. *IEEE Antennas and Propagation Magazine* 1996; **37**(5): 77-83.

MEYER FJC, DAVIDSON DB. A posteriori error estimates for the two-dimensional finite element/boundary element solution of electromagnetic scattering and radiation problems. *Applied Computational Electromagnetics Society Journal* 1996; **11**(2): 40-54.

MOSTERT S. A visual method for real-time software engineering. *The Transactions of the S.A. Institute of Electrical Engineers* 1996; **87**(3): 128-139.

PEROLD WJ, JEFFERY M, VAN DUZER T. Complementary output switching logic - A new superconducting voltage-state logic family. *IEEE Transactions on Applied Superconductivity* 1996; **6**(3): 125-131.

PITTORINO LA, HORN A, ENSLIN JHR. Dynamic power filter used for real-time power quality compensation. *SAIEE Elektron* 1996; **13**(7): 12-13.

SPÉE R, BHOWMIK S, ENSLIN JHR. Novel control strategies for variable-speed doubly-fed wind power generation systems. *Renewable Energy* 1995; **6**(8): 907-915.

THERON DR, HERMAN R. Modelling of maximum temperature in aerial bundled cables feeding domestic loads using the beta probability distribution function. *Electric Power System Research* 1996; **37**: 221-230.

THERON IP, CLOETE JH. The electric quadrupole contribution to the circular birefringence of nonmagnetic anisotropic chiral media: A circular waveguide experiment. *IEEE Transactions on Microwave Theory and Techniques* 1996; **44**(8): 1451-1459.

THERON IP, CLOETE JH. The optical activity of an artificial non-magnetic uniaxial chiral crystal at microwave frequencies. *Journal of Electromagnetic Waves and Applications* 1996; **10**(4): 539-561.

THIEL S, MOSTERT C-H, ENSLIN JHR, STEPHEN R. Universal power electronic solution to low-cost rural electrification. *SAIEE Elektron* 1996; **13**(11): 9-12.

VAN NIEKERK C, MEYER P. A new approach for the extraction of a FET equivalent circuit from measured S-parameters. *Microwave and Optical Technology Letters* 1996; **11**(5): 281-284.

VAN ZYL A, ENSLIN JHR, SPÉE R. A new unified approach to power quality management. *IEEE Transactions on Power Electronics* 1996; **11**(5): 691-698.

VAN ZYL RR, PEROLD WJ, CONRADIE G. The application of the Monte Carlo method to semiconductor simulation. *The Transactions of the South African Institute of Electrical Engineers* 1996; **87**(2): 58-64.

WILKINSON RH, HORN A, ENSLIN JHR. Improved power quality in DC traction substations. *SAIEE Elektron* 1996; **13**(1): 11-12.

## **Verrigtinge internasionaal/Proceedings international**

BAKKES PJ, DU PLESSIS JJ. *Reconfigurable logic for array processing*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 582-585.

BEUKES HJ, ENSLIN JHR, SPÉE R. *Active snubber for high power IGBT modules*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 456-461.

BEUKES HJ, ENSLIN JHR, SPÉE R. *Performance of the auxiliary resonant commutated pole converter in converter based utility devices*. 27th IEEE

Power Electronics Specialists Conference (PESC-96). Bavino, Italy, 1996: 1033-1039.

BHOWMIK S, VAN ZYL A, SPÉE R, ENSLIN JHR. *Sensorless current control for active rectifiers*. IEEE IAS Annual Meeting (IAS-96). San Diego, CA, USA, 1996: 898-905.

BINGLE M, DAVIDSON DB, CLOETE JH. *Numerical and experimental modelling of liquid dielectrics using a coaxial cavity*. Proceedings of the Twelfth Annual Review of Progress in Applied Computational Electromagnetics. Monterey, California, 1996: 391-397.

BOOT J, TRIBELHORN C, MOSTERT S. *Towards an optimal architecture for implementing communication software*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 950-956.

BOSHOF HFV. *Evidence of auditory control during vowel production in continuous speech*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 377-381.

CHOW TING CHAN TV, READER HC. *Computational design of a multiple magnetron cavity*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 523-527.

CLOETE JH. *Is B or H the fundamental magnetic field?* IEEE Africon '96. Stellenbosch, South Africa, 1996: 354-361.

CLOETE JH, READER HC, VAN DER MERWE J, DU PLESSIS FE, BECKER LH. *Experiments for undergraduate courses in electromagnetic theory and EMC*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 362-365.

DAVIDSON DB, MALAN DH, WILSEN CB. *Modelling microstrip patches using the finite element method*. 12th Annual Review of Progress in Computational Electromagnetics. Monterey, CA, 1996: 972-979.

DAVIDSON DB, SMITH AG, VAN TONDER JJ. *The analysis and measurement of frequency selective surfaces*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 724-729.

DU TOIT DNJ, DU PLESSIS JJ, STEYN WH. *Using atmospheric drag for constellation control of low earth orbit microsatellites*. 10th AIAA/USU Conference on Small Satellites. Logan, Utah, USA, 1996; Poster Session 3: 1-13.

DU TOIT JA, ENSLIN JHR. *A DSP based controller for high dynamic bandwidth power electronic applications*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 665-670.

HORN A, PITTORINO LA, ENSLIN JHR. *Evaluation of active power filter algorithms under non-sinusoidal and unbalanced conditions*. IEEE PES, 7th International Conference on Harmonics and Quality of Power (ICHQP-96). Las Vegas, Nevada, USA, 1996: 217-224.

HORN A, WILKINSON RH, ENSLIN JHR. *Evaluation of converter topologies for improved power quality in DC traction substations*. International Symposium on Industrial Electronics, (ISIE'96). Warsaw, Poland, 1996: 802-807.

LADEWIG SP, BROZIO CC, VERMEULEN HJ, CORNELISSEN KJ. *An alternative broadband lumped parameter equivalent circuit model for two-winding transformers*. UPEC. Kreta, 1996: 493-496.

LE ROUX AD, FROSCH M, ENSLIN JHR. *A high performance 100 kVA four quadrant drive test-bed*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 462-466.

MALLESON HH, LOURENS JG, THERON CC. *Optimisation of bit rates, for digitally compressed television services, as functions of acceptable picture quality and picture complexity*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 592-596.

MEYER P. *The design and analysis of waveguide E-plane filters with multiple round inductive posts using a moment-method approach*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 532-535.

MEYER P, VAN ZYL JE, VAN NIEKERK C. *A simplified calibration for cryogenic microwave measurements*. IEEE MTT-S International Microwave Symposium. USA, 1996: 1403-1406.

MILNE G. *Response of the ordinary least squares estimator (OLS) to deterministic and stochastic noise*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 1099-1104.

MILNE G, SCHOONWINKEL A, MOSTERT S, DU PLESSIS JJ. *Educational aspects of the SUNSAT microsatellite and its enabling role for other developments*. IEEE Africon '96, Stellenbosch, South Africa, 1996: 542-547.

MOK PP, GUTT H, SPÉE R, BEUKES HJ, ENSLIN JHR. *Control complexities related to high power resonant inverters*. 27th IEEE Power Electronics Specialists Conference (PESC-96). Bavino, Italy, 1996: 1040-1046.

PITTORINO LA, HORN A, ENSLIN JHR. *Power theory evaluation for the control of an active power filter*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 676-681.

SCHOONWINKEL A, MILNE GW, MOSTERT S, STEYN WH, VAN DER WESTHUIZEN K. *Pre-flight performance of SUNSAT, South Africa's first remote sensing and packet communications microsatellite*. 10th AIAA/USU Small Satellite Conference. USA, 1996; Session V, paper 4: 1-19.

STEYN WH. *A multi-mode attitude determination and control system for SUNSAT*. 3rd International Symposium on Small Satellites Systems and Services. Annecy, France, 1996; Session 8/17: 1-9.

STRYDOM LR, DU PREEZ JA. *Development of an effective context-free parser for continuous stochastic languages*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 386-391.

THIEL S, MOSTERT C-H, ENSLIN JHR. *Universal power electronic solution to low-cost rural electrification*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 335-340.

VAN NIEKERK C, MEYER P. *The development of a simple TRL microstrip calibration and test fixture suitable for measurements at cryogenic temperatures*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 919-922.

VAN TONDER JJ, CLOETE JH, DAVIDSON DB. *The numerical analysis of planar antennas buried in layered media*. Proceedings of the Twelfth Annual Review of Progress in Applied Computational Electromagnetics (1996 ACES Symposium). Monterey, California, 1996: 179-186.

VAN WYK I, HOLTZHAUSEN JP, VOSLOO WL. *Laboratory calibration and preliminary field results of an insulator pollution monitoring apparatus (IPMA)*. SAUPEC. Johannesburg, 1996: 57-60.

VAN WYK L, HOLTZHAUSEN JP, VOSLOO WL. *Relationship between surface conductance, leakage current and humidity on ceramic insulators*. UPEC. Kreta, 1996: 760-763.

VAN WYK L, HOLTZHAUSEN JP, VOSLOO WL. *Surface conductivity as an indication of the surface condition of non-ceramic insulators*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 485-488.

VAN ZYL A, SPÉE R, ENSLIN JHR. *Electrification and power quality in the developing world*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 1018-1023.

VERMEULEN HJ. *Estimation of capacitive voltage transformer parameters from the secondary input impedance frequency response*. UPEC. Kreta, 1996: 524-526.

VERMEULEN HJ, DAVEL P. *Voltage harmonic distortion measurements using capacitive voltage transformers*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 1012-1017.

VOSLOO WL, HOLTZHAUSEN JP. *The design of on-line insulator test station to be used on power distribution and transmission networks*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 241-246.

VOSLOO WL, HOLTZHAUSEN JP, ROEDIGER AHA. *Leakage current performance of naturally aged non-ceramic insulators under a severe marine environment*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 489-495.

WILKINSON RH, HORN A, ENSLIN JHR. *Control options for a bi-directional multilevel traction chopper*. 27th IEEE Power Electronics Specialists Conference (PESC-96). Bavino, Italy, 1996: 1395-1400.

WILKINSON RH, PUTTER C, ENSLIN JHR. *Active power filtering on DC traction overhead lines*. IEEE PES, 7th International Conference on Harmonics and Quality of Power (ICHQP-96). Las Vegas, Nevada, USA, 1996: 248-253.

WILKINSON RH, PUTTER C, ENSLIN JHR. *DC-side harmonic compensation in DC traction applications*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 827-832.



WILSEN CB, DAVIDSON DB. *The radar cross section reduction of microstrip patches*. IEEE Africon '96. Stellenbosch, South Africa, 1996: 730-733.

## **Verrigtinge nasionaal/Proceedings national**

BOTHA M, BEUKES HJ, ENSLIN JHR, CLOETE JH. *EMI experiments in high power electronics*. Proceedings of the SAIEE and IEEE South African Joint Energy Chapter Workshop on EMC, Electra-Mining '96. Johannesburg, 1996: 9.1-9.8.

GROBLER F, BAKKES PJ, MOSTERT S. *Towards an optimal SRMA configuration for a microsatellite based data collection system*. Teletraffics Conference. Durban, 1996: 222-228.

GROBLER H, MOSTERT S, BOOT J, JOUBERT L, STEENKAMP N, LE ROUX AG. *Overview of the communication interfaces of the second on-board computer of SUNSAT 1*. Teletraffics Conference. Durban, 1996: 449-454.

HERMAN R. *Using the bootstrap method for evaluating variations due to sampling in voltage regulation calculations*. SAUPEC '96. Johannesburg, 1996: 235-238.

HORN A, WILKINSON RH, ENSLIN JHR. *Evaluation of converter topologies for improved power quality in DC traction substations*. SAUPEC '96. Johannesburg, 1996: 149-152.

KOEKEMOER JA, JORDAAN LJ, BAKKES PJ. *The SUNSAT general test bench*. Teletraffics Conference. Durban, 1996: 443-448.

LE RICHE PJ. *High speed wireless digital communications: "Wireless Ethernet"*. Teletraffics Conference. Durban, 1996: 505-514.

ROUX JJ, MILNE GW. *Receiver front end design for working in a harsh RF environment*. Teletraffics Conference. Durban, 1996: 462-468.

SELLICK RL, GAUNT CT, HERMAN R, DINGLEY CE. *The sensitivity of calculated voltage drop to changes in load sample averaging interval*. SAUPEC '96. Johannesburg, 1996: 231-234.

TRIBELHORN C, MOSTERT S. *Towards the optimization of the kernel overhead for the development of communication systems*. Teletraffics Conference. Durban, 1996: 498-504.

VAN WYK L, HOLTZHAUSEN JP, VOSLOO WL. *Laboratory calibration and preliminary field results of an insulator pollution monitoring apparatus (IPMA)*. SAUPEC '96. Johannesburg, 1996: 57-60.

VISSER DF. *An adaptive antenna system for satellite ground station receivers*. Teletraffics Conference. Durban, 1996: 484-491.

## **Referate internasionaal/Papers international**

KAMPER MJ, VAN DER MERWE FS, WILLIAMSON S. *Direct finite element design optimisation of the cageless reluctance synchronous machine*. IEEE Power Engineering Society Winter Meeting. Baltimore, Maryland, 1996.

JEFFERY M, PEROLD WJ, VAN DUZER T. *Experimental demonstration of complementary output switching logic at Gbit/sec clock frequencies*. IEEE Applied Superconductivity Conference. Pittsburgh, Pennsylvania, 1996.

JEFFERY, PEROLD WJ, WANG Z, VAN DUZER T. *Monte Carlo optimization of complementary output switching logic circuits*. IEEE Applied Superconductivity Conference. Pittsburgh, Pennsylvania, 1996.

## Patente/Patents

ENSLIN JHR, THIEL S, MOSTERT C-H. *Universal semiconductor electrification*. Preliminary RSA specification, no 96/5826, 1996.

SPÉE R, ENSLIN JHR, BHOWMIK S. *Performance optimization controller and control method for doubly-fed machines*. Final USA specification, no 31325, USA, 1996.

## Navorsingsverslae/Research reports

DAVIDSON DB. *Final report on acquisition and installation of GTD code*. Centre for Electrical and Electronic Engineering, US, 1996. 25 pp.

DAVIDSON DB. *Floquet modes and frequency selective surfaces*. EM Software and Systems in collaboration with the Centre for Electrical and Electronic Engineering, US, 1996. 7 pp.

## Doktoraal afgehandel/Doctoral completed

BAKKES PJ. *A reconfigurable array processor*. Ph.D., 1996. 138 pp. Promotor: Prof JJ du Plessis.

KAMPER MJ. *Design optimisation and performance of the reluctance synchronous machine using finite elements*. Ph.D., 1996. 123 pp. Promotor: Prof FS vd Merwe.

LOURENS JG. *Modelle vir onderwater skeepsgeraas toegepas op die klassifikasie en deteksie van skepe*. Ph.D., 1996. 112 pp. Promotor: Dr MW Coetzer.

## Magister afgehandel/Master's completed

BARNARD RJ. *Research on the effect of flexible AC transmission systems (FACTS) on Eskom's distribution networks*. M.Ing., 1996. 129 pp. + Appendixes. Studieleier: Prof JHR Enslin.

BECKER LH. *An investigation of radiated EMI induced wire-connected electronic systems*. M.Ing., 1996. 47 pp. Studieleier/medestudieleier: Prof HC Reader/ prof JH Cloete.

BURGER HS. *Development of a memory module for the SUNSAT micro-satellite*. M.Ing., 1996. 109 pp. Studieleier: Dr PJ Bakkes.

DU TOIT JA. *Design and evaluation of current regulators for high power converters*. M.Ing., 1996. 76 pp. + Appendixes. Studieleier: Prof JHR Enslin.

GOOSEN N. *Die ontwerp en evaluering van die sekondêre rekenaar in SUNSAT*. M.Ing., 1996. 105 pp. Studieleier: Prof JJ du Plessis.

GOUWS HJ. *The design of an on-board computer for the SUNSAT micro-satellite*. M.Ing., 1996. 184 pp. Studieleier: Dr PJ Bakkes.

GROBLER F. *Design and implementation of a store-and-forward communication system on the SUNSAT micro-satellite*. M.Ing., 1996. 81 pp. Studieleier: Dr PJ Bakkes.

HUGO EM. *Control strategies for shunt converter-based reactive power compensators*. M.Ing., 1996. 115 pp. + Appendixes. Studieleier/medestudieleier: Prof JHR Enslin/dr R Herman.

JACOBS MJ. *A low cost high precision star sensor*. M.Ing., 1996. 176 pp. Studieleier: Dr WH Steyn.

LOUW J. *A cascade pole-zero speech synthesizer*. M.Ing., 1996. 108 pp. Studieleier: Mnr JA du Preez.

MALAN WPJ. *Auditory models for noise-immune speech recognition*. M.Ing., 1996. 75 pp. Studieleier: Dr DM Weber.

MORE J. *Exploring features for vowel recognition within the framework of acoustic cardinal vowels*. M.Ing., 1996. 95 pp. Studieleier: Mnr HFV Boshoff.

PLICHTA MG. *Proposal and prototype electronics for SUNSAT Mark II imager*. M.Ing., 1996. 159 pp. Studieleier: Prof GW Milne.

RANDEWIJK P-J. *Inverting DC traction substation with active power filtering incorporated*. M.Ing., 1996. 132 pp. + Appendixes. Studieleier: Prof JHR Enslin.

VAN NIEKERK C. *An investigation into the manufacture and measurement of superconducting microwave devices*. M.Ing., 1996. 159 pp. Studieleier: Dr P Meyer.

VAN ROOIJEN J. *A new wideband lumped parameter circuit model for magnetic voltage transformers*. M.Ing., 1996. Studieleier: Dr HJ Vermeulen.

WILSEN CB. *The radar cross-section reduction of microstrip patch antennas for low-observable platforms*. M.Ing., 1996. 61 pp. Studieleier: Prof DB Davidson.

### **Projekte afgehandel/Projects completed**

DAVIDSON DB. *Kaf modellering. (Modelling of Chaff.)*

### **Projekte lopend/Projects current**

AMSENGA E. *S-band, UHF en VHF ontvangers vir SUNSAT*. Magister studieleier: Prof GW Milne.

BADENHORST PJ. *Die implementering van mikro-elektroniese stroombane op FPGA's*. Magister studieleier: Dr PJ Bakkes.

BEAUD E. *Spoornet traksie substasies regeneratiewe energie en APF*.  
Magister studieleier: Prof JHR Enslin.

BEUKES HJ. *Development and evaluation of soft switching topologies for high power electronic converters in high bandwidth applications*.  
Doktorale promotor/medepromotor: Prof JHR Enslin/prof R Spée.

BHOWMIK S. *Intelligent controllers for wind generators*.  
Doktorale promotor/medepromotor: Prof JHR Enslin/prof R Spée

BINGLE M. *The absorption by artificial chiral materials at microwave frequencies*.  
Doktorale promotor/medepromotor: Prof JH Cloete/prof DB Davidson.

BLANCKENBERG MM. *Klankherwinning van Edison silinders*.

BLANCKENBERG MM. *Modellering van die fetale harttempobeheerstelsel*.

BOOT J. *SUNSAT - Real time computer systems*.  
Magister studieleier: Dr. PJ Bakkes.

BOOTSMA R. *Kragstelsels vir die lae aardbaan satelliet SUNSAT. (Power systems for the low earth orbit satellite SUNSAT.)*.  
Magister studieleier: Prof JJ du Plessis.

BOSHOFF HFV. *'n Sintaks-analiseerder vir Afrikaans*.  
Doktorale promotor: Dr MW Coetzer.

BOTHA M. *EMI generated by SVC's*.  
Magister studieleier: Prof JH Cloete/prof JHR Enslin.

BROWNE MJ. *Veralgemeende sintese tegnieke vir versadigende beheerders. (Generalised controllers for saturating controllers.)*.  
Magister studieleier: Prof JJ du Plessis.

BROZIO CC. *Bepaling van die wyeband eienskappe van distribusiestelsels deur in situ parameter estimasie. (Determination of the wideband properties of distribution systems by in situ parameter estimation.)*.  
Doktorale promotor: Dr HJ Vermeulen.

BRUNE RGG. *Beeldvormingsrekenaar vir SUNSAT*.  
Magister studieleier: Dr PJ Bakkes.

CHETTY C. *Telemetrie-stelsel vir 'n mikro-satelliet. (Telemetry system for a micro satellite.)*.  
Magister studieleier: Prof JJ du Plessis.

CHOW TING CHAN TV. *Microwave dielectric heating*.  
Doktorale promotor: Prof HC Reader.

CLOETE JH, SMITH AG, KEUHL S. *Mikrogolf absorbeerders. (Microwave absorbers.)*

CONRADIE G. *Monte Carlo analysis of superconducting tunnelling with Monte-Carlo analysis techniques*.  
Doktorale promotor: Prof WJ Perold.

CORNELISSEN KJ. *'n Programmeerbare perturbasiebron vir in situ identifikasie van kragstelselapparaat. (A programmable perturbation source for in situ identification of power system apparatus.)*. Magister studieleier: Dr HJ Vermeulen.

CRONJE ML. *Die ontwikkeling van kommersiële toepassings van 'n lineêre CCD lynskandeerder*. Magister studieleier: Prof GW Milne.

DAVIDSON DB, SMITH AG, VAN TONDER JJ. *Frekwensie selektiewe oppervlaktes (Frequency selective surfaces.)*

DU PLESSIS FE. *Elektro-optiese analise en ontwikkeling van 'n hoë resolusie beeldskandeerder vir die SUNSAT mikrosatelliet*. Magister studieleier: Prof GW Milne.

DU PREEZ JA. *Semantiek in spraakherkenning*. Doktorale promotor: Dr I Cloete.

DU TOIT DNJ. *Low earth orbit satellite constellation control using atmospheric drag*. Doktorale promotor: Prof JJ du Plessis.

DU TOIT JA. *Device integration of current and voltage regulation for power electronic modules*. Doktorale promotor: Prof JHR Enslin.

FOURIE RJ. *Evaluation of losses in L.V. feeders using the Beta load model*.

GENADE B. *Bepaling van punt in ruimte se posisie in drie dimensies*. Magister studieleier: Prof A Schoonwinkel.

GERSBACH CHB. *Automatic detection and manipulation of pitch patterns in speech*. Magister studieleier: Mnr JA du Preez.

GOOSEN N. *The design and implementation of an intelligent hybrid process control system*. Doktorale promotor/medepromotor: Prof A Schoonwinkel/dr DW Moolman.

GROBLER H. *Design of primary onboard computer of SUNSAT III*. Magister studieleier: Dr PJ Bakkes.

HERMAN RH. *Netwerk analise, lasmodellering, distribusiestelsel ontwerp*.

HEUNIS SW. *The evaluation of risk in electrical reticulation design*. Magister studieleier: Dr R Herman.

HOLTZHAUSEN JP. *Studie van die eienskappe van besoedelde isolators*. Doktorale promotor: Prof FS van der Merwe.

HOLTZHAUSEN JP. *Die werkverrigting van kraglynisolators onder besoedelde omstandighede. (The performance of power line insulators under polluted conditions.)*

HORN A. *Control strategies for inverting DC traction substation with active power filtering incorporated*. Magister studieleier: Prof JHR Enslin.

HUGO EM. *Control strategies for shunt converter-based reactive power compensators*. Doktorale promotor: Dr WH Steyn.

JANSEN E. *H-infinity controller for hydraulic dynamometers*. Magister studieleier: Dr WH Steyn.

JORDAAN CH. *Numeriese algoritmes vir FPGA's*. Magister studieleier: Dr WH Steyn.

JORDAAN LJ. *An extended Kalman filter observer for autonomous orbit determination*. Magister studieleier: Dr WH Steyn.

JOUBERT ML. *Reaction wheel systems for small satellites*. Magister studieleier: Dr WH Steyn.

KEUNECKE S. *Antenna modeling using hybrid MoM/PO method*. Magister studieleier/ medestudieleier: Prof DB Davidson/prof JH Cloete).

KNOETZEN I. *Parallelverwerkers vir SSV*. Magister studieleier: Dr PJ Bakkes.

KOEKEMOER J-A. *Die ontwerp en implementasie van 'n nuwe generasie TTMS stelsel op SUNSAT III. (Design and implementation of the new generation TTMS system for SUNSAT III.)*. Magister studieleier: Dr PJ Bakkes.

KOLLER PJ. *Control of heterogeneous distillation columns*. Magister studieleiers: Drr WH Steyn en DW Moolman.

LADEWIG SP. *Wyeband modellering van 'n distribusie transformator met behulp van Pi-seksies. (Wideband modelling of a distribution transformer using Pi-sections.)*. Magister studieleier: Dr HJ Vermeulen.

LE RICHE PJ. *Wireless digital communications*. Magister studieleier: Prof GW Milne.

LE ROUX AG. *SUNSAT computer systems*. Magister studieleier: Dr PJ Bakkes.

LI Y. *Model based image compression*. Magister studieleier: Mnr JG Lourens.

LOMBARD NF. *A high power density permanent magnet machine drive*. Magister studieleier/medestudieleier: Mnr M Kamper/prof FS van der Merwe.

MALENGRET M. *Single-phase power distribution using integrated magnetics and power electronics*. Doktorale promotor/medepromotor: Prof JHR Enslin/prof R Spée

MAREE JB. *EMC and spacecraft*. Magister studieleier: Prof HC Reader.

MILNE GW, SCHOONWINKEL A, DU PLESSIS JJ, MOSTERT S, STEYN WY, VAN DER WESTHUIZEN K, 25 NAGRAADSE STUDENTE. *Voltooiing van ontwikkeling van die SUNSAT mikrosatelliet, en lansering deur NASA gedurende 1997. (Completion of development of the SUNSAT micro-satellite and launch with NASA in 1997.)*

MOSTERT C. *Goedkoop elektrifikasie op 22 kV/11 kV spanningsvlakke*. Magister studieleier/medestudieleier: Prof JHR Enslin/mnr R Stephen.

MOSTERT S. *Formal methods to design dynamic reconfigurable distributed hardware and software*. Doktorale promotor: Prof JJ du Plessis.

NOLTE E. *Fraktale beeldkompressie vir satellietbeelde*. Magister studieleier: Mnr HFV Boshoff.

OLIVIER R. *Aktiewe beheer van ongewensde ruisseine. (Active noise control.)*. Magister studieleier: Prof JJ du Plessis.

OOSTHUIZEN PJ. *Imager system for flotation processes*. Magister studieleier: Dr WH Steyn.

OPPERMAN BDL. *Verwerking van satellietbeelde vir stereo en bosbutoepassings*. Magister studieleier/medestudieleier: Prof GW Milne/prof BV Bredenkamp.

PALMER KD. *The synthesis of the microstrip wire grid array antenna*. Doktorale promotor: Prof JH Cloete.

PANSEGROUW DF. *Mikrostrookantenne ontwerp vir mobiele kommunikasie*. Magister studieleier/medestudieleier: Prof JH Cloete/mnr KD Palmer.

PITTORINO LA. *Development of a shunt power quality device*. Magister studieleier: Prof JHR Enslin.

POWELL IA. *The design of ultra-fast superconducting analog-to-digital converters*. Doktorale promotor: Prof WJ Perold.

PRINSLOO M. *Vertikale stabilisasie van 'n eenwielrobot*. Magister studieleier: Prof A Schoonwinkel.

PUTTER C. *Active harmonic filtering on DC substations*. Magister studieleier: Prof JHR Enslin.

READER HC, CLOETE JH, ENSLIN JHR, HOLTZHAUSEN JP, DAVIDSON DB, PALMER KD, DE SWARDT JB. *Electromagnetic compatibility*.

READER HC, DE SWARDT JB, BRADSHAW SM. *Microwave di-electric heating. (Mikrogolf di-elektriese verhitting.)*

ROSSOUW J. *RF-substelsel ontwerp vir SUNSAT*. Magister studieleier: Prof GW Milne.

ROUX JJ. *Adaptive EMI cancellation*. Magister studieleier: Prof GW Milne.

SCHEFFLER KH. *Benutting van konteksrye grammatika in grootwoordeskat spraakherkenning*. Magister studieleier: Mnr JA du Preez.

SCHWARDT LC. *Die skeiding van spraak dmv dekonvolusietegniese*. Magister studieleier: Mnr JA du Preez.

SIEBRITS PK. *Drywingsbeheer van mikrogolfstelsel. (Power control of microwave system.)*. Magister studieleier: Dr JB de Swardt.

SNYMAN DB *Cost-effective enhancement of energy output from photovoltaic systems*. Doktorale promotor: Prof JHR Enslin.

STEENKAMP NL. *ATM skakelaar*. Magister studieleier: Dr PJ Bakkes.

STRYDOM LR. *Ontwikkeling van 'n konteksrye stogastiese analiseerder vir patroonherkenning*. Magister studieleier: Mnr JA du Preez.

SWIEGERS W. *Maximum Power Point Tracker (MPPT) for terrestrial solar panel applications*. Magister studieleier: Prof JHR Enslin.

THERON JD. *Nouband mikrogolf dupleksers. (Narrow band microwave diplexers.)* Magister studieleier: Dr P Meyer.

VAN DER MERWE J. *Electromagnetic compatibility modeling of complex integrated electronic systems*. Doktorale promotor/medepromotor: Prof JH Cloete/prof HC Reader.

VAN DER MERWE JJN. *Co-ordinated camera-arm movement control system based on adaptive sensory-motor control principles*. Doktorale promotor: Prof JJ du Plessis.

VAN DER POEL T, BLANCKENBERG MM, PALMER KD. *Laekoste mediese moniters*.

VAN NIEKERK C. *The modeling of Gallium Arsenide active devices for microwave applications*. Doktorale promotor: Dr P Meyer.

VAN ZYL A. *Power quality management on radial distribution lines*. Doktorale promotor/medepromotor: Prof JHE Enslin/prof R Spée.

VAN ZYL RR. *The design of high efficiency transferred electron devices with the aid of Monte Carlo particle*. Doktorale promotor: Prof WJ Perold.

VERMEULEN HJ. *Kapasitiewe spanningstransformators en ge-insuleerde stroomtransformators vir die meting van oorgangspannings in hoogspanningsnetwerke. (Capacitive voltage transformers and insulated current transformers for transient voltage measurements in high voltage power systems.)*

VILJOEN GT. *'n Vergelykende studie tussen 'n masjien geassisteerde tele-operateur en mens-alleen beheer van 'n teiken werwing- en volgingstelsel*. Doktorale promotor: Prof GW Milne.

VOSLOO WL. *The establishment of a marine pollution test facility and the analysis of the obtained test data to evaluate ageing of non-ceramic insulators and coatings*. Doktorale promotor: Prof FS van der Merwe.

WILLIAMS K. *Active microwave patch antennas*. Doktorale promotor/medepromotor: Prof HC Reader/prof DB Davidson.

WOLHUTER R. *Die bepaling van optimum protokol strategie by telemetriestelsels gebaseer op halfdupleks, enkelfrekwensie kommunikasiekanale. (Determination of an optimal protocol strategy for telemetry systems based on half-duplex, single frequency communication channels.)* Doktorale promotor: Prof JJ du Plessis.

ZHAO J. *Control aspects of the multi-phase reluctance DC machine drive*. Doktorale promotor/medepromotor: Prof FS vd Merwe/dr MJ Kamper.



## meganiese ingenieurswese / mechanical engineering

### Tydskrifartikels/Journal articles

BAUCHAU OA, DAMILANO G, THERON NJ. Numerical integration of nonlinear elastic multi-body systems. *International Journal for Numerical Methods in Engineering* 1995; **38**: 2727-2751.

BAUCHAU OA, THERON NJ. Energy decaying scheme for nonlinear elastic multi-body systems. *Computers & Structures* 1996; **59**(2): 317-331.

BAUCHAU OA, THERON NJ. Energy decaying schemes for nonlinear beam models. *Computer Methods in Applied Mechanics and Engineering* 1996; **134**: 37-56.

BEILER M, KRÖGER DG. Thermal performance reduction in air-cooled heat exchangers due to nonuniform flow and temperature distributions. *Heat Transfer Engineering* 1996; **17**(1): 82-92.

BOTES H, KRÖGER DG. Adiabatic pre-cooling of the inlet air to an air-cooled heat exchanger. *R & D Journal* 1996; **12**(1): 13-21.

CONRADIE AE, KRÖGER DG. Performance evaluation of dry-cooling systems for power plant applications. *Applied Thermal Engineering* 1996; **16**(3): 219-232.

DOBSON RT. Solar still heat transfer simulation model. *The International Journal of Mechanical Engineering Education* 1995; **23**(2): 113-128.

DREYER AA, ERENS PJ. Modelling of cooling tower splash pack. *International Journal of Heat and Mass Transfer* 1996; **39**(1): 109-123.

DUVENHAGE DG, KRÖGER DG. Plume recirculation in mechanical-draft air-cooled heat exchangers. *Heat Transfer Engineering* 1995; **16**(4): 42-49.

DUVENHAGE K, VERMEULEN JA, MEYER CJ, KRÖGER DG. Flow distortions at the fan inlet of forced-draught air-cooled heat exchangers. *Applied Thermal Engineering* 1996; **16**(8/9): 741-752.

ERENS PJ, DREYER AA. Free surface menisci on narrow horizontal surfaces. *R & D Journal* 1996; **12**(3): 81-89.

ERENS PJ, DREYER AA. Heat transfer from immersed slender bodies. *The International Journal of Mechanical Engineering Education* 1995; **23**(3): 203-211.

HARMS TM, VON BACKSTRÖM TW, DU PLESSIS JP. Simplified control-volume finite-element method. *Numerical Heat Transfer* 1996; **Part B 30**: 179-194.

HASSENPFUG WC. Analytical formula for the Lagrange time in two-dimensional potential flow. *Aeronautical Journal* 1996; **100**(992): 75-76.

HASSENPFUG WC. Momentum and vortex theory of rotor blade wakes. *AIAA Journal* 1996; **34**(8): 1741-1742.

KRÖGER DG. Save water with air-cooled heat exchangers. *SA Water Bulletin* 1996; **22**(6): 10-14.

SWANEPOEL DC, KRÖGER DG. Rotary regenerator design theory and optimisation. *R & D Journal* 1996; **12**(3): 90-97.

THIART GD, DAMANT PD. Simplified thin-ship theory with application to the design of bulbous bows. *R & D Journal* 1996; **12**(1): 22-27.

VAN DER WESTHUIZEN J, DU PLESSIS JP. An attempt to quantify fibre bed permeability utilizing the phase average Navier-Stokes equation. *Composites Part A* 1996; **27A**: 263-269.

VAN DER WESTHUIZEN J, DU PLESSIS JP. Numerical solution of the phase average Navier-Stokes equation using the finite element method. *R & D Journal* 1996; **12**(2): 45-53.

VON BACKSTRÖM TW, BUYS JD, STINNES WH. Minimization of the exit loss of a rotor-only axial fan. *Engineering Optimization* 1996; **26**: 25-33.

VON BACKSTRÖM TW, FÜRSTENBERG L. Solving laminar boundary layers as a sequence of Falkner-Skan flows. *International Journal of Mechanical Engineering Education* 1996; **24**(3): 172-182.

VON BACKSTRÖM TW, LAKSHMINARAYANA B. Perspective: Fluid dynamics and performance of automotive torque converters: an assessment. *Journal of Fluids Engineering - Transactions of the Asme* 1996; (118): 665-676.

ZAPKE A, KRÖGER DG. The influence of fluid properties and inlet geometry on flooding in vertical and inclined tubes. *International Journal of Multiphase Flow* 1996; **22**(3): 461-472.

## **Verrigtinge internasionaal/Proceedings international**

DE GOEDE S, ENGELBRECHT WJ, VAN DER MERWE L, BELL AJ, TAYLOR AB. *Aldehyde emissions quantification with primary and secondary alcohols in spark-ignition fuel blends*. Eleventh International Symposium on Alcohol Fuels. Sun City, South Africa, 1996; **3**(Session C3): 796-808.

KRÖGER DG. *Air-cooled steam condenser draught equation*. 6th Australasian Heat and Mass Transfer Conference. Sydney, 1996: 8 pp.

MAREE WG, BASSON AH. *Design for fabrication early cost estimation for small production volume*. Proceedings of the 28th CIRP International Seminar on Manufacturing Systems. Johannesburg, South Africa, 1996: 76-82.

MORAN DP, TAYLOR AB. *The anti-knock performance of primary and secondary alcohols as alternative and supplementary spark-ignition fuels*. Eleventh International Symposium on Alcohol Fuels. Sun City, South Africa, 1996; **1**(Session A1): 12-23.

REUTER HC, KRÖGER DG. *Pressure change and flooding in vertical and inclined tubes during reflux condensation of steam*. Proceedings of the 9th International Symposium on Transport Phenomena in Thermal-Fluids Engineering (ISTP-9). Singapore, 1996; **2**: 727-732.

SCHUSTER HR, BASSON AH. *A software 'design assistant' for specification development*. Proceedings of the 22nd Design Automation Conference, DETC. Irvine, California, 1996: 10 pp.

TAYLOR AB, BELL AJ, MORAN DP, HODGSON NG, MYBURGH IS, BOTHA JJ. *Propyl alcohols as alternative and supplementary spark-ignition fuels - Part 1: Engine performance*. Eleventh International Symposium on Alcohol Fuels. Sun City, South Africa, 1996; **1**(Session A1): 1-11.

TAYLOR AB, BELL AJ, MORAN DP, HODGSON NG, MYBURGH IS, BOTHA JJ. *Propyl alcohols as alternative and supplementary spark-ignition fuels - Part 2: Exhaust emissions*. Eleventh International Symposium on Alcohol Fuels. Sun City, South Africa, 1996; **3**(Session C3): 774-785.

TAYLOR AB, MORAN DP, BELL AJ. *Gasoline/alcohol blends: exhaust emissions, performance and burn-rate in a multi-valve production engine*. Topics in Alternative Fuels and their Emissions. 1996 Fall Fuels and Lubricants Meeting and Exposition. San Antonio, Texas, 1996: 135-152.

TREDOUX L, VAN DER WESTHUIZEN J. *Experimental validation of FEM cure analysis software*. Proceedings of the 1st International Conference on Composite Science and Technology 1996. Durban, South Africa, 1996: 545-550.

VELDSMAN G, BASSON AH, VAN DER WESTHUIZEN J. *Composite mould design and cost estimation for resin transfer moulding*. Proceedings of the 1st International Conference on Composite Science and Technology. Durban, South Africa, 1996: 571-576.

VON BACKSTRÖM TW, LAKSHMINARAYANA B. *Fluid dynamics and performance of automotive torque converters: an assessment*. Proceedings of the ASME Fluids Engineering Division Summer Meeting. San Diego, USA, 1996: 573-587.

ZAPKE A, KRÖGER DG. *Pressure drop during gas-liquid countercurrent flow in inclined rectangular ducts*. Fifth International Heat Pipe Symposium. Melbourne, Australia, 1996; (Section 6): 1-6.

ZAPKE A, KRÖGER DG. *The effect of fluid properties on flooding in vertical and inclined rectangular ducts and tubes*. Proceedings of the ASME Fluids Engineering Division Summer Meeting. San Diego, USA, 1996; **239**: 527-532.

## **Verrigtinge nasionaal/Proceedings national**

CLOETE TJ, VAN DER WESTHUIZEN J. *An alternative approach to volume flux prediction during FEM modelling of RTM*. Proceedings of the 1st South African Conference on Applied Mechanics. Gauteng, 1996: 53-68.

DUVENHAGE K, DU TOIT CG, KRÖGER DG. *Methods to combat the influence of cross wind on fan performance in forced draught air-cooled heat exchangers*. Proceedings of the 1st South African Conference on Applied Mechanics. Gauteng, 1996: 13-23.

ROOS TH, VON BACKSTRÖM TW, GANNON AJ. *Calculation of the flow through an axial compressor by the streamline throughflow method*.

Proceedings of the 1st South African Conference on Applied Mechanics. Gauteng, 1996: 80-87.

TERBLANCHE E. *Comparison of experimental and numerical analysis results of a beam tank container*. Proceedings of the 1st South African Conference on Applied Mechanics. Gauteng, 1996: 148-154.

THERON NJ, MÜLLER JJ. *A model method to model differential warping in beams*. Proceedings of the 1st South African Conference on Applied Mechanics. Gauteng, 1996: 85-92.

THIART GD. *Calculation of nonlinear free-surface flows about finite aspect ratio hydrofoils*. Proceedings of the 1st South African Conference on Applied Mechanics. Gauteng, 1996: 37-44.

VAN DER MERWE JC, HARMS TM, VON BACKSTRÖM TW. *Flow calculation through a torque converter turbine*. Proceedings of the 1st South African Conference on Applied Mechanics. Gauteng, 1996: 39-46.

## Patente/Patents

HOPPE KG. *Boat (spray rails)*. SA Patent Application 96/7007, 1996.

VON BACKSTRÖM TW. *Impeller*. SA Patent No. 96/10098, 1996.

## Navorsingsverslae/Research reports

KRÖGER DG. *Cooling tower performance evaluation*. Report No. 478/1/96, Water Research Commission, Pretoria, 1996. 600 pp.

HOPPE KG. *Hydrofoil-supported-catamarans (Hysucat), work boat world*. Baird Publications Ltd., Hong Kong, 1996; **15**(7): 1 pp.

HOPPE KG. *Preliminary report on model tests on a catamaran and hydrofoil assist system*. ITM, US, 1996. 35 pp.

HOPPE KG. *Propeller and propulsion system evaluation of a patrol boat for SA Police Service Border Control and Police Coast Patrol Unit for a new craft*. ITM, US, 1996. 23 pp.

HOPPE KG. *Propeller and propulsion system evaluation of a 14m-patrol boat for SA Police Service Border Control and Police Coast Patrol Unit*. ITM, US, 1996. 52 pp.

VON BACKSTRÖM TW. *Mean line design of axial compressors for closed cycle gas turbine*. VB9607, ITM, US, 1996. 5 pp.

VON BACKSTRÖM TW. *Fan blade design for fan series*. VB9602, ITM, US, 1996. 39 pp.

VON BACKSTRÖM TW. *Roof ventilator tests*. VB9606, ITM, US, 1996. 9 pp.

VON BACKSTRÖM TW, GANNON AJ. *Cheetah rebuild, simulation and project proposals*. VB9604, ITM, US, 1996. 26 pp.

VON BACKSTRÖM TW, VAN DER SPUY SJ. *Lay-out design of fan series*. VB9601, ITM, US, 1996. 17 pp.

### **Doktoraal afgehandel/Doctoral completed**

DUVENHAGE K. *Aërodinamiese eienskappe van lugverkoelde warmte-uitruilers*. Ph.D., 1996. 300 pp. Promotor: Prof DG Kröger.

### **Magister afgehandel/Master's completed**

ELS DNJ. *The design and analysis of the dynamics of a mechanical impact fuze for a 40 mm high explosive grenade*. M.Ing. cum laude, 1996. 143 pp. Studieleier: Prof AH Basson.

FÜRSTENBERG L. *Development of a perturbation potential panel method for the analysis of rotating 3D bodies*. M.Ing. cum laude, 1996. 118 pp. Studieleier: Dr GD Thiart.

MARÉ C. *Numerical prediction of gas-particle two-phase flow fields in simple geometries*. M.Ing. cum laude, 1996. 92 pp. Studieleier: Prof TW von Backström.

VAN DER WESTHUIZEN K. *Structural design, preparation and integration of a micro satellite as a NASA payload*. M.Ing. cum laude, 1996. 196 pp. Studieleier: Mnr E Terblanche.

VELDSMAN G. *Aspects of design for manufacturability in RTM (design guidelines, composite mould design and early cost estimation)*. M.Ing., 1996. 155 pp. Studieleier: Prof AH Basson.

ZIPFEL T. *Steam flow distribution in air-cooled condensers*. M.Ing., 1996. 231 pp. Studieleier: Prof DG Kröger.

### **Projekte lopend/Projects current**

BECKER PvW. *Development of the hydrofoil-assisted semi-displacement type catamaran*. Magister studieleier: Prof KG Hoppe.

BELL AJ. *An investigation into the relationship between fuel formulation and exhaust emissions from spark-ignition engines*. Magister studieleier: Dr AB Taylor.

BENADÉ JG. *Controlled diffusion compressor cascades*. Doktorale promotor: Prof TW von Backström.

CLOETE TJ. *Automated resin transfer moulding*. Magister studieleier: Mnr E Terblanche.

CONRADIE PA. *Transient road load simulation for engine testing*. Magister studieleier: Dr AB Taylor.

DE BEER DA. *An investigation into bearing failures of stationary equipment from externally generated vibrations*. Magister studieleier: Mnr E Terblanche.

DE SWARDT AV. *Ontwerp vir vervaardiging deur fabrikasie*. Magister studieleier: Prof AH Basson.

DE VILLIERS E. *Numerical analysis of fill performance in cooling tower.* Magister studieleier/medestudieleier: Prof DG Kröger/prof PJ Erens.

DE WET JvH. *Permeability measurement for resin transfer moulding.* Magister studieleier: Mnr E Terblanche.

DOBSON RT. *The heat transfer characteristics of an ammonia charged inclined two-phase closed thermosyphon.* Doktorale promotor: Prof DG Kröger.

DU PREEZ PO. *An investigation into the pressure recovery of a supersonic intake with boundary layer bleed.* Magister studieleier: Prof TW von Backström.

ECKERT B. *Ground resonance analysis with time domain simulation using an elastic multi-body dynamics analysis program.* Magister studieleier (Ingenieurswetenskappe): Dr NJ Theron.

EMSLIE LD. *'n Ondersoek na die verwantskap tussen enjin parameters en uitlaatgasse en lewensduur van diesel enjins.* Magister studieleier: Dr AB Taylor.

ENGELBRECHT EH. *Friction losses in IC-engines.* Magister studieleier: Dr PJ Strachan.

ESTERHUYSE SWP. *Design for manufacturing and assembly of fabricated products.* Magister studieleier: Prof AH Basson.

GANNON AJ. *A compressible formulation of the streamline through flow method for axial compressors.* Magister studieleier: Prof TW von Backström.

GREEN JJ. *Engine upgrade design optimisation procedure for manufacture, efficiency, performance and exhaust emissions.* Magister studieleier: Dr AB Taylor.

HOFFMANN JE. *Die werkverrigting van nat koeltorings met inagneming van atmosferiese toestande.* Doktorale promotor: Prof DG Kröger.

HASSENPFUG WC. *Convolution number with application to elliptic integrals and the Schwarz-Christoffel Transformation.* Doktorale promotor: Dr GD Thiart.

INGHAM LA. *Vibration analysis of DC-3 elevator.* Magister studieleier: Mnr DvV Pienaar.

KRITZINGER HP. *Adiabatic cooling of heat exchanger inlet air.* Magister studieleier: Prof DG Kröger.

MAREE WG. *Design for fabrication.* Magister studieleier: Prof AH Basson.

MEYER CJ. *Vermindering van vloeieweerstand en geraas in lugverkoelde hitteruiler stelsels.* Magister studieleier: Prof DG Kröger.

MIGEOTTE G. *Development of hydrofoil supported catamarans with semi-displacement hulls.* Magister studieleier: Prof KG Hoppe.

ROUX JK. *Experimental and numerical investigation into dynamic thrust delivered by a shrouded propeller*. Magister studieleier: Dr GD Thiart

SCHOENFELD PD. *Reflux condensation in inclined flattened tubes*. Magister studieleier: Prof DG Kröger.

SCHREVE K. *Ontwerp vir vervaardiging in gelyklopende ingenieurswese*. Magister studieleier: Prof AH Basson.

SCHUSTER HR. *Aspects of design for manufacturing*. Doktorale promotor: Prof AH Basson.

SMIT JPJ. *Aerodinamics effect of a hinged wing tip*. Magister studieleier (Ingenieurswetenskappe): Prof TW von Backström.

SMITH JA. *A computer controlled resin transfer moulding cycle*. Magister studieleier: Mnr DvV Pienaar.

SPOELSTRA ML. *Aeroelastic analysis of a ramfoil wing*. Magister studieleier: Dr NJ Theron.

STINNES WH. *The effect of off-axis inflow on axial fan performance*. Magister studieleier: Prof TW von Backström.

STROHMAIER CKH. *The effect of wind tunnel geometry on axial compressor inlet conditions*. Magister studieleier: Prof TW von Backström.

TERBLANCHE E. *Loading modes in plasticity, sequence of stress states at the onset of yielding*. Doktorale promotormedepromotor: Prof W Endress/prof NJ Theron.

THACKER JE. *Development of a medium pressure cooling tower spray-nozzle*. Magister studieleier: Prof DG Kröger.

TWEEDIE MA. *Investigation of high speed hydrofoil flow in surface effect mode*. Magister studieleier: Prof KG Hoppe.

VAN DER HAM GA. *Die gebruik van gasagtige brandstowwe in binnebrandenjins in Suid-Afrika*. Magister studieleier: Dr AB Taylor.

VAN DER MERWE DJ. *The design of supersonic nozzles*. Magister studieleier: Prof TW von Backström.

VAN DER MERWE JC. *Computation of flow through torque converter stages*. Magister studieleier: Prof TW von Backström.

VAN DER SPUY SJ. *Ondersoek na die ontwerp van stil waaiers*. Magister studieleier: Prof TW von Backström.

VAN VUUREN CM. *BVM (Berekeningsvloeiemechanika) - modellering van binnebrandenjiniinduksie en uitlaatprosesse*. Magister studieleier: Dr GD Thiart.

VELDSMAN G. *Ontwerp vir vervaardiging van RTM gietvorms*. Doktorale promotor: Prof AH Basson.

VERMEULEN JA. *Noise reduction in axial flow fan systems*. Magister studieieier: Prof DG Kröger.

WILLIAMS PNT. *Design for manufacture of camshaft systems for the production of upgraded engines*. Magister studieieier: Dr AB Taylor.

WODRICH KHK. *A design method for pneumatic transport systems*. Magister studieieier: Prof TW von Backström.

ZAPKE A. *Flow dynamics of multi-phase in dephlegmators*. Doktorale promotor: Prof DG Kröger.

**siviele ingenieurswese**  
**(Waarby ingesluit die Institute vir Struktuuringenieurswese**  
**en Transporttegnologie) /**  
**civil engineering**  
**(Including the Institutes for Structural Engineering**  
**and Transport technology)**

**Tydskrifartikels/Journal articles**

BREEN CM, BIGGS H, DENT MC, GÖRGENS A, O'KEEFFE J, ROGERS KH. Designing a research programme to promote river basin management. *Water Science and Technology* 1995; **32**(5-6): 103-109.

SCHUMANN CAW, ADAMS TC, PIENAAR WJ. Road construction by contractors in South Africa. *Journal of the South African Institute of Civil Engineers* 1996; **38**(2): 1-11.

SMIT AdeF, HUGO F, VAN DE VEN MFC. Scaled testing with the MMLS of rutting of a large aggregate base. *Journal of the South African Institute of Civil Engineers* 1996; **38**(3): 9-14.

**Verrigtinge internasionaal/Proceedings international**

BASSON GR, ROOSEBOOM A. *Sediment pass-through operations in reservoirs*. Proceedings of the International Conference on Reservoir Sedimentation. Fort Collins, USA, 1996: 1107-1130.

BASSON GR, ROOSEBOOM A, OLESEN W. *Mathematical modeling of reservoir flushing*. Proceedings of the International Conference on Reservoir Sedimentation. Fort Collins, USA, 1996: 559-570.

DUNAISKI PE. *Technical audit on the structure of a semi-mobile crusher installation*. Proceedings: Structural Steel Developing Africa. Sandton, Gauteng, 1996: 103-112.

KRANS RL, TOLMAN F, VAN DE VEN MFC. *De SCB-Proef: Een praktische scheurgroeioproef aan asfaltkernen*. Wegbouwkundige Werkdagen deel I. Nederland, 1996: 331-342.

KRANS R, TOLMAN F, VAN DE VEN MFC. *Semi-circular bending test: A practical crack growth test using asphalt concrete cores*. Proceedings of the 3rd International RILEM Conference on Reflective cracking in pavements - design and performance of overlay systems. France, 1996: 123-132.



RETIEF JV. *Reliability of ACI and BS methods of deflection design of reinforced concrete structures*. 21st Conference on Our World in Concrete and Structures. Singapore, 1996: 197-203.

RETIEF JV. *Structural codes of practice and development - a risk perspective*. Proceedings: Structural Steel Developing Africa. Sandton, Gauteng, 1996: 219-225.

ROOSEBOOM A, BASSON GR. *Lessons learned from case studies on reservoir sedimentation in Southern Africa*. Proceedings of the International Conference on Reservoir Sedimentation. Fort Collins, USA, 1996: 1859-1865.

VAN DE VEN MFC. *Ontwerp van oppervlakbehandelingen in Zuid-Afrika*. Wegbouwkundige Werkdagen deel II. Nederland, 1996: 1051-1063.

VAN ROOYEN GC. *ICASDI - Interactive Computer Aided Steel Design Instructor*. Proceedings: Structural Steel Developing Africa. Sandton, Gauteng, 1996: 361-367.

## Verrigtinge nasionaal/Proceedings national

ANDERSEN SJ. *A method for evaluating the impact of highway bypasses on the economics of small towns*. ATC Research Forum. Pretoria, 1996; **5**: 2-15.

BATH AJ, GÖRGENS AHM, DE SMIDT K. *Water quality management of bulk supply impoundments in South Africa*. Proceedings of the Biennial Conference and Exhibition of the Water Institute of Southern Africa (WISA). Port Elizabeth, 1996; **Paper 29**.

SINSKE AN, BIRD WW. *Poroplastic analysis of concrete dams using ABAQUS*. Proceedings of the 1st South African Conference on Applied Mechanics. Midrand, 1996; **2**: 34-41.

STRASHEIM JAvB. *Facilities management: A civil engineering perspective*. Eighteenth Annual Symposium on Information Technology in Engineering. Durban, 1996; **Paper 4**: 1-12.

WOLFF-PIGGOTT BB, BATH AJ, GÖRGENS AHM. *Salinity characteristics of the Orange/Fish/Sundays Rivers System: Implications for operation*. Proceedings of the Biennial Conference and Exhibition of the Water Institute of Southern Africa (WISA). Port Elizabeth, 1996; **Paper 33**.

## Referate nasionaal/Papers national

HUGO F. *Performance of some asphalt pavements under MLS accelerated traffic*. Invited Keynote address. Technical University of Delft, Delft, 1996.

SMIT AdeF, HUGO F, VAN DE VEN MFC. *Use of the gyrator to explore compaction characteristics of asphalt*. 56th Meeting of the Bituminous Materials Liaison Committee. Pietermaritzburg, 1996.

VAN DE VEN MFC. *Report on Education (Educational Feedback, Universities) - Sabita Chair*. 56th Meeting of the Bituminous Materials Liaison Committee. Pietermaritzburg, 1996.

VAN DE VEN MFC. *World approach to volumetrics*. SAT - National Conference. Cape Town, 1996.

### **Doktoraal afgehandel/Doctoral completed**

BASSON GR. *Hydraulics of reservoir sedimentation*. Ph.D., 1996. 451 pp. Promotor: Prof A Rooseboom.

LOTRIET HH. *River discharge measurement at South African compound weirs in rivers with high sediment loads*. Ph.D., 1996. 376 pp. Promotor: Prof A Rooseboom.

WESSELS P. *The calibration of compound Crump and sharp-crested gauging weirs in South Africa*. Ph.D., 1996. 314 pp. Promotor: Prof A Rooseboom.

### **Magister afgehandel/Master's completed**

JONKER V. *Improvements to the DISA hydrosalinity model and its application to the Vaalharts irrigation scheme*. M.Ing. cum laude, 1996. 144 pp. plus 7 aanhangsels. Studieleier: Prof AHM Görgens.

MOUTON JA. *Constructibility enhancement in the building construction industry*. M.Ing., 1996. 167 pp. Studieleier: Prof F Hugo.

SCHUMANN CAW. *Measuring productivity in civil engineering construction*. M.Ing. cum laude, 1996. 320 pp. Studieleier: Prof F Hugo.

SINSKE AN. *Poroplastic analysis of concrete dams and their foundations using ABAQUS*. M.Ing. cum laude, 1996. 75 pp. Studieleier: Dr WW Bird.

### **Projekte afgehandel/Projects completed**

HUGO F. *Closure report on the manufacturing of the Texas Mobile Load Simulator*.

HUGO F. *Executive summary report on the production of the prototype Texas Mobile Load Simulator*.

HUGO F. *Texas Mobile Load Simulator test plan*.

HUGO F, VAN DE VEN MFC, SMIT AdeF, WESTON C. *N2 north coast contract's investigation: LAMBS*.

RETIEF JV. *EOTM algoritme vir betroubaarheidsanalise*.

RETIEF JV. *Waarskynlikheids-parameters vir basiese veranderlikes in defleksie-ontwerp van gewapende beton balke*.

VAN ASSEN E, VAN DE VEN MFC. *Review of South African Bitumen specifications to take cognisance of compositional balance relative to long-term behaviour*.

VAN DE VEN MFC, SMIT AdeF. *Design aggregate structure - Gyrotory compaction tests on blends for Contract C416.1: Trunk Road*.

VAN DE VEN MFC, SMIT AdeF. *Design optimum binder content and factorial experiment - engineering tests on blends for Contract C496: Modderdam Road.*

VAN DE VEN MFC, SMIT AdeF, KRANS R. *Possibilities of a semi-circular bonding test.*

VAN DE VEN MFC, SMIT AdeF, LORIO R, McGENNIS R. *Validation of some superpave design parameters by wheel testing with the scaled Model Mobile Load Simulator.*

## **Projekte lopend/Projects current**

ARMITAGE NP. *The removal of trash from stormwater streams.* Doktorale Promotor: Prof A Rooseboom.

BOUWER SM. *Field evaluation of the concrete durability index tests.* Magister studieleiers: Mnr G Maritz en prof M Alexander.

BRAND WW. *Reliability of prestressed concrete beams designed according to SABS 0160 (1989) and SABS 0100 (1992).* Magister studieleier: Prof JV Retief.

BREDENHANN S. *Simulation as a method of predicting pavement performance using a mathematical model and taking into consideration the vehicle-pavement interaction, dynamic effect of loads and variability of loads and pavement materials.* Magister studieleier/medestudieleier: Prof MFC van de Ven/prof F Hugo.

COMPION J. *Die verwydering van rommel uit stormwater.* Magister studieleier: Prof A Rooseboom.

CONRADIE R. *Evaluation of the proof load test methods for RC portal culverts.* Magister studieleier: Mnr G Maritz.

DUFF-RIDDELL W, BESTER CJ. *Die ontwikkeling van 'n verkeersteller vir lae volume paaie.*

ENGELBRECHT JC, SCHLEBUSH TB. *Dynamic behaviour of saturated and unsaturated sand.*

GOODEY GM. *The hydraulic roughness of concrete-lined water tunnels.* Magister studieleier: Prof A Rooseboom.

GRIESEL EJ. *Reliability of concrete durability index tests.* Magister studieleiers: Mnr G Maritz en prof M Alexander.

HUGO F, LORIO R. *Tyre-road noise emissions on various South African pavement surfaces.*

HUGO F, SMIT AdeF. *Review and revision of the SABITA LAMBS Manual.*

HUGO F, VAN DE VEN MFC, SMIT AdeF. *Possibilities of the Superpave Gyratory Compactor for mix-design in South Africa.*

HUGO F, VAN DE VEN MFC, SMIT AdeF, JENKINS K. *Use of the MMLS in support of Gautrans HVS-programme.*

JENKINS K. *A design methodology for using marginal and recycled materials for asphalt paving.* Ph.D. Doktorale promotor: Prof MFC van de Ven.

JENKINS, K, VAN DE VEN MFC. *Development of labour intensive block manufacture using bitumen emulsion stabilised paving blocks.*

KER-FOX GM. *Reliability based tender estimating.* Magister studieleier: Prof JV Retief.

LORIO R. *Direct simple shear strength testing of asphaltic materials towards performance related testing and design of asphalt pavements.*

LORIO R. *Performance related testing methods for asphaltic materials with special regard to sheer testing.* Magister studieleier: Prof MFC van de Ven.

MARITZ G. *Mass housing digest for South Africa.* Doktorale promotor Prof JV Retief.

MEYER WE. *Die gebruik van neurale netwerke in logistiek.* Doktorale promotor: Prof CJ Bester.

MARTHEZE J. *Guidelines for the design of public transport transfer facilities.* Magister studieleier: Prof CJ Bester.

MOSTERT G. *Determination of the moment-rotation response of pinned and fixed supports of steel portable frames.* Magister studieleier: Prof PE Dunaiski.

PIENAAR WJ. *The economic evaluation of public transport transfer facilities.* Doktorale promotor: Prof CJ Bester.

RENNIE MP. *Advanced analysis of plane frames.* Magister studieleier: Dr WW Bird.

RETIEF JV. *Betroubaarheid van dienslimiet defleksieontwerp.*

ROSS GLD. *The role of transportation in the economy of Namaqualand.* Doktorale promotor: Prof CJ Bester.

SCHOONEES JS. *Longshore sediment transport in terms of the applied wave power approach.* Doktorale promotor: Prof A Rooseboom.

TER HAAR TR. *A rational approach towards the design criteria for serviceability limit state design of industrial steel structures.* Doktorale promotor: Prof PE Dunaiski.

THIART J. *Bemagtiging van individue en gemeenskappe deur siviele ingenieurskonstruksie.* Magister studieleier: Mnr CAW Schumann.

TRUTER AN. *Determination of the moment-rotation response of bolted connections in steel portal frames.* Magister studieleier: Prof PE Dunaiski.

VAN DE VEN MFC. *Asphalt hot-mix design review.*

VAN DE VEN MFC, SMIT AdeF. *Evaluation sample compaction processes and analytical approach to mix design.*

VAN ROOYEN GC. *ICASDI - Interactive Computer Aided Steel Design Instructor.*

VAN WYK S. *Kragte op brugpylers.* Magister studieleier: Prof A Rooseboom.

VAN ZYL NJW. *Land use transport strategies to cope with suburbanisation.* Doktorale promotor: Prof CJ Bester.

VERHAEGHE B. *Development and implementation of a Product Performance Guarantee System (PPGS) in South Africa.* Doktorale promotor: Prof MFC van de Ven.

## **toegepaste wiskunde / applied mathematics**

### **Tydskrifartikels/Journal articles**

CROUS PH. Spreadsheets for simultaneous equations. *International Journal of Mathematical Education in Science and Technology* 1996; **27**(4): 626-628.

DIEDERICKS GPJ, DU PLESSIS JP. Electrical conduction and formation factor in isotropic porous media. *Advances in Water Resources* 1996; **19**(4): 225-239.

GELDENHUYS G, BOTHA E. A note on Dupuy's QJM and New Square Law. *ORION* 1994; **10**: 45-55.

GELDENHUYS G, HUMAN L. Comparison of two indices for the investigation of cooperation graphs. *Journal of the American Society for Information Science* 1996; **47**: 380-384.

HARMS TM, VON BACKSTRÖM TW, DU PLESSIS JP. Simplified control-volume finite-element method. *Numerical Heat Transfer* 1996; **30B**: 179-194.

KNACKSTEDT MA, DU PLESSIS JP. Tortuosity in porous solids. *Geophysical Research Letters* 1996; **23**(13): 1609-1612.

VAN DER WESTHUIZEN J, DU PLESSIS JP. An attempt to quantify fibre bed permeability utilizing the phase average Navier-Stokes equation. *Composites: Part A* 1996; **27A**: 263-269.

VAN DER WESTHUIZEN J, DU PLESSIS JP. Numerical solution of the phase average Navier-Stokes equation using the finite element method. *R & D Journal of the SAI MechE* 1996; **12**(2): 45-53.

### **Verrigtinge internasionaal/Proceedings international**

DU PLESSIS JP. *Power law flow in isotropic porous media.* Proceedings of the International Conference on Rheology. Quebec, Canada, 1996: 375-376.

DU PLESSIS JP, ROOS LI. *On the permeability of sandstones of very low porosity.* Proceedings of the First International Conference on Advances in Fluid Mechanics. New Orleans, USA, 1996: 3-10.

## Referate internasionaal/Papers international

DE KOCK HC, DU PLESSIS SA. *Building an electronic performance support system to assist students in learning about parallel computing, expert systems, induction and solution methods for linear programming*. INFORMS Computer Science Technical Section Conference on Computer Science and Operations Research. Dallas, Texas, USA, 1996.

DE KOCK HC, DU PLESSIS SA. *A fuzzy expert and decision-making system to individualize computer-based tutoring*. European Conference on Artificial Intelligence in Education (EuroAJEFD). Lisbon, Portugal, 1996.

DE KOCK HC, DU PLESSIS SA. *Student modelling and tutoring strategies in an intelligent linear programming tutor*. Fifth International Conference on user modelling. Kailua-Kona, Hawaii, USA, 1996.

## Referate nasionaal/Papers national

DE KOCK HC, VISAGIE S. *Wisselbou-praktyke in die Swartland*. Jaarkongres van die Operasionele Navorsingsvereniging van Suid-Afrika (ONSA). Mbabane, Swaziland, 1996.

FOURIE PduT, DE CLERK R. *A simple evaluation technique for RDP projects*. Jaarkongres van ONSA. Mbabane, Swaziland, 1996.

GELDENHUYS G, BOSHOFF M. *A survey of scheduling methods for passenger and freight trains*. Jaarkongres van ONSA. Mbabane, Swaziland, 1996.

SCOTT EC, BADEROON N, MAHATEY Z, GELDENHUYS G. *Twee heuristiese oplossingsmetodes vir sekere kombinatoriese optimeringsprobleme*. Jaarkongres van die Suid-Afrikaanse Wiskundevereniging (SAWV). Bellville, 1996.

VAN VUUREN JH. *Die bestaan van bewegende golffronte in diagonaal konvekse reaksie-diffusie sisteme*. Jaarkongres van die SAWV. Bellville, 1996.

## Magister afgehandel/Master's completed

WERNER MR. *Identifying chaos from experimental data: in search of a diagnostic toolbox*. M.Sc. cum laude, 1996. 303 pp. Studieleier: Prof M Gerber.

## Projekte lopend/Projects current

BESTER AN. *The behaviour and application of coupled non-linear lattice networks*. Doktorale promotor: Prof M Gerber.

COETZEE BP. *The qualitative analysis of nonlinear ordinary differential equations by means of computer graphical simulation*. Magister studieleier: Prof M Gerber.

CROUS PH. *Ship motion in irregular seas leading to capsize*. Doktorale promotor: Prof M Gerber.

DE GOEDE DW. *The dynamical behaviour of the coupled nonlinear and bilinear oscillator*. Magister studieleier: Prof M Gerber.

DE KOCK HC. *Produksiekostes vir steenvrugte in die Ceresgebied*.

DE KOCK HC. *Wisselboustelsels in die Swartland*.

DIEDERICKS GPJ. *Contaminant transport in porous media*. Doktorale promotor: Prof. JP du Plessis.

DIPPENAAR CY. *Operasionele navorsing oor vervroegde aftrede*. Magister studieleier: Prof G Geldenhuys.

DU PLESSIS JP. *Vloei in poreuse media*.

DU PLESSIS SA. *Wiskundige programmeringstegnieke*. Doktorale promotor: Dr HC de Kock.

DU TOIT E. *A quantitative bioeconomic investigation of inshore fisheries*. Doktorale promotor: Dr GC Cruywagen.

FOURIE JG. *Heat transfer in porous media*. Doktorale promotor: Prof JP du Plessis.

FOURIE PduT. *Operasionele navorsing en die HOP*.

GELDENHUYS G. *Dominering*.

GELDENHUYS G. *Heuristiese metodes vir kombinatoriese optimering*.

GELDENHUYS G. *Die toedeling van biblioteekfondse*.

GERBER M. *Nie-lineêre dinamika en chaos*.

PIENAAR PRDV. *Radiotherapy planning system for electron and photon radiation based on "pencil beam" models*. Magister studieleier: Mnr WFD Theron.

SCOTT EC. *Die stortvloedalgoritme vir die kleuring van grafieke*. Magister studieleier: Prof G Geldenhuys.

SMIT GJF. *Mathematical modelling of compacting waves in porous media*. Doktorale promotor: Prof JP du Plessis.

TOERIEN LM. *Nonlinear smoothers and the removal of impulsive noise*. Doktorale promotor: Dr CH Rohwer.

VAN DER WESTHUIZEN J. *Phase average Navier-Stokes solution to porous flow associated with resin transfer moulding processes*. Doktorale promotor: Prof JP du Plessis.

VAN VUUREN JH. *Kabelmodellering*.

VAN VUUREN JH. *Modellering van ekologiese niche-besetting*.

VAN VUUREN JH. *Modellering van permanensie in kompetisie-sisteme*.

VAN VUUREN JH. *Optimale waterbeheer by die Keeromdam te Worcester.*

VISAGIE S. *Wisselbou-praktyke in die kleingraangebiede.* Magister  
studieleier: Dr HC de Kock.



# FAKULTEIT GENEESKUNDE

## FACULTY OF MEDICINE

---

### ANATOMIE EN HISTOLOGIE / ANATOMY AND HISTOLOGY

#### Tydskrifartikels/Journal articles

CHASE CC, WRANZ PAB. Prefixation of raw bronchoalveolar lavage samples. *Medical Technology SA* 1996; 10(1): 185.

DU PLESSIS DG, MOUTON YM, MULLER CJF, GEIGER DH. An ultrastructural study of the development of the chicken perineural sheath. *Journal of Anatomy* 1996; 189: 631-641.

KRUSZEWSKA KJ, LABUSCHAGNE BCJ, DU CANN VM. Relating coal oxidation and hydrophobicity: a petrographic approach. *Fuel* 1996; 74(1): 1.

WOLFE-COOTE S, LOUW J, WOODROOF C, DU TOIT DF. The non-human primate endocrine pancreas: Development, regeneration potential and metaplasia. *Cell Biology International* 1996; 20(2): 95-101.

WOLFE-COOTE S, LOUW J, WOODROOF C, HEYDENRYCH J, DU TOIT D. Pancreas regeneration in the adult non-human primate. *Proceedings RMS* 1995; 30(2): 140.

#### Verrigtinge internasionaal/Proceedings international

WOLFE-COOTE S, LOUW J, WOODROOF C, DU TOIT DF. The non-human primate endocrine pancreas: Development, regeneration potential and metaplasia. *Cell Biology International* 1996; 20(2): 95.

#### Referate nasionaal/Papers national

MOUTON YM, DU TOIT DF, WOODROOF C, LOUW J, WOLFE-COOTE S. *Diabetes Mellitus : Experience with foetal pancreatic transplantation in a diabetic rat model*. Proceedings of the XXVI Congress of the Anatomical Society of Southern Africa. Kruger Nationale Park, 1996.

#### Projekte lopend/Projects current

CHASE CC, BEZUIDENHOUT J, VAN DE WAL B, WYSER C. *Quantitative cytology of pleural effusions, broncho-alveolar lavage fluid and pleural biopsies from patients with tuberculosis*.

LESCH KM. *Molekulêre karakterisering van genoom veranderinge in limfome*. Magister studieleier/medestudieleier: Dr CJJ Oosthuizen/prof PAB Wranz.

MATHEY B, LABUSCHAGNE BCJ. *Cadaver profile at University of Stellenbosch Medical School, South Africa: 1956-1996*.

MOUTON YM *Singiniëse en allogeïese fetale rot pankreasoorplanting*.  
Doktorale promotor: Prof DF du Toit.

MULLER CJF, DU TOIT DF, MOUTON YM. *Eksperimentele proewe en monoklonale teenliggame*.

PAGE B. *A comparative study into the proliferation and differentiation of pancreatic duct cells using in-vivo pancreas ligation and duct cell culture*.  
Doktorale promotor: Prof DF du Toit.

## **ANATOMIESE PATOLOGIE / ANATOMICAL PATHOLOGY**

### **Tydskrifartikels/Journal articles**

BATES WD, MULLER N, VAN BUUREN AJ, STEYN DW. Pregnancy in partially remitted hepatitis B-associated membranous glomerulonephritis. *International Journal of Gynaecology & Obstetrics* 1996; 52: 163-165.

CHASE CC, WRANZ PAB. Prefixation of raw bronchoalveolar lavage samples. *Medical Technology SA* 1996; 10(1): 185-186.

CHETTY R, DADA MA, BIDDOLPH SC, SCHNEIDER JW, GATTER KC. bcl-2 and p53 expression in Kaposi's sarcoma. *Histopathology* 1996; 29: 159-163.

DADA MA, BOSHOFF CH, COMLEY H, TURLEY H, SCHNEIDER JW, CHETTY R, GATTER KC. Thymidine phosphorylase expression in Kaposi sarcoma. *Journal of Clinical Pathology* 1996; 49(5): 400-402.

JORDAAN HF, SCHNEIDER JW, SCHAAF HS, VICTOR TS, GEIGER DH, VAN HELDEN PD, ROSSOUW DJ. Papulonecrotic tuberculid in children: A report of eight patients. *The American Journal of Dermatopathology* 1996; 18(2): 172-185.

RUTHERFOORD GS, DADA MA, NEL JP. Cerebral infarction and intracranial arterial dissection in closed head injury. *American Journal of Forensic Medicine and Pathology* 1996; 17(1): 53-57.

SMITH J, KLING S, GIE R, KIRSTEN GF, VAN ZYL J, NEL ED, SCHNEIDER JW. Bronchopulmonary dysplasia in infants with respiratory distress syndrome in a developing country: a prospective single centre-based study. *European Journal of Pediatrics* 1996; 155: 672-677.

VAN DEN BOSCH T, VANDENDAEL A, VAN SCHOUBROECK D, LOMBARD CJ, WRANZ PAB. Short report. Age, weight, body mass index and endometrial thickness in postmenopausal women. *Acta Obstetrica et Gynecologica Scandinavica* 1996; 75: 181-182.

VAN DEN BOSCH T, VANDENDAEL A, WRANZ PAB, LOMBARD CJ. Endopap versus pipelle sampling in the diagnosis of postmenopausal endometrial disease. *European Journal of Obstetrics & Gynecology & Reproductive Biology* 1996; 64: 91-94.

WEINREB M, DAY PJR, NIGGLI F, RAAFAT F, HESSELING PB, SCHNEIDER JW, et al. The role of Epstein Barr virus in Hodgkin's disease from different geographical areas. *Archives of Disease in Childhood* 1996; 74: 27-31.

WERELY CJ, HEYNS CF, VAN VELDEN DJJ, VAN HELDEN PD. DNA fingerprint detection of somatic mutations in benign prostatic hyperplasia and prostatic adenocarcinoma. *Genes, Chromosomes & Cancer* 1996; 17: 31-36.

WHITAKER P, VISSER JH, HEYNS CF, VAN VELDEN DJJ. Comparison of 5 alpha-reductase activity in benign prostatic hyperplasia and prostatic carcinoma. *African Journal of Urology* 1995; 1(2): 108-111.

### **Verrigtinge nasionaal/Proceedings national**

BATES WD, EDELSTEIN CL. *BANFF and BANFI - an assesment of renal transplant biopsy classifications*. South African Transplantation Society Congress. Club Myconos, Langebaan, 1995; *South African Journal of Surgery* 1996; 34(2): 106.

### **Referate internasionaal/Papers international**

BATES WD, MULLER N, MOOSA MR, HALLAND A, EDELSTEIN C. *Renal biopsy assessment of the treatment of lupus nephritis*. Pathological Society of Great Britain and Ireland, 173rd Meeting. Southampton, UK, 1996.

BATES WD, MULLER N, VAN BUUREN AJ, GEIGER DH, MOOSA MR, JOUBERT JJ. *Membranous glomerulonephritis (MGN) - adult idiopathic compared to HBV associated in children*. Pathological Society of Great Britain and Ireland, 173rd Meeting. Southampton, UK, 1996.

### **Referate nasionaal/Papers national**

APFFELSTAEDT J, SCHNEIDER JW, WRANZ PAB. *The value and problems of fine needle aspiration cytology of salivary gland masses in general surgical practice*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

BEZUIDENHOUT J, SCHNEIDER JW, SWART Z, JORDAAN HF, JOUBERT J. *Cryptococcosis: A histological mimic of sarcoidosis*. 36th Congress of the Federation of South African Societies of Pathology (FSASP). Karos Kruger Lodge, Mpumalanga, 1996.

CHETTY R, DADA MA, BIDDOLPH SC, SCHNEIDER JW, GATTER KC. *bcl-2 and p53 expression in Kaposi's sarcoma*. 36th Congress of the Federation of South African Societies of Pathology (FSASP). Karos Kruger Lodge, Mpumalanga, 1996.

CHETTY R, DADA MA, BOSHOFF CH, COMLEY MA, SCHNEIDER JW, PULFORD KA, GATTER KC. *TAL-1 protein in vascular lesions*. 36th Congress of the Federation of South African Societies of Pathology (FSASP). Karos Kruger Lodge, Mpumalanga, 1996.

DAVIDS MR, JORDAAN HF, SCHNEIDER JW, MOOSA MR. *Systemic calciphylaxis in patients on renal replacement therapy*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde. Universiteit van Stellenbosch, Tygerberg, 1996.

DU TOIT DF, HEYDENRYCH JJ, FOURIE P, BRUCE L, COLESKY F, COOPER R, ZUURMOND T, CHASE C. WRANZ PAB. *Immunomodulation*

by UVB-light, donor specific blood transfusion (DST). *Experimental renal allotransplantation studies*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

JONAS E, LOUW M, WRANZ PAB, WARREN B. *Exfoliative gastric lavage cytology for gastric cancer - A preliminary report*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

LOUW JA. *New classification of skin tumours with eccrine differentiation*. 36th Congress of the Federation of South African Societies of Pathology (FSASP). Karos Kruger Lodge, Mpumalanga, 1996.

LOUW JH, WRANZ PAB, BURGESS L, VICTOR T, PRETORIUS J, DOUBELL AD. *Optimalisering van die diagnostiese protokol in vermoedelik tuberkuleuse (TB) perikardiale effusies*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

MULLER CJF, FERRIS S, PRETORIUS MS, BEZUIDENHOUT J, DU PLESSIS DG, BARDIN P, JOUBERT JR, VAN DE WAL BW. *Cytokines in granulomatous tissue from tuberculosis and sarcoidosis*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

MULLER CJF, FERRIS S, PRETORIUS MS, BEZUIDENHOUT J, DU PLESSIS DG, VAN DE WAL BW, JOUBERT JR, BARDIN P. *Cellular definition of granulomatous tissue employing immunohistochemistry*. 13th South African Pulmonology Society Congress. Wilderness, George, 1996.

PRETORIUS MS, TIEDT FAC, SCHNEIDER JW, MACGREGOR P. *A comparative study of two stains for the demonstration of M. tuberculosis and M. leprae*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

SCHNEIDER JW, DADA MA, BOSHOFF CH, COMLEY MA, CHETTY R, GATTER KC. *Thymidine phosphorylase expression in Kaposi's sarcoma*. 36th Congress of the Federation of South African Societies of Pathology (FSASP). Karos Kruger Lodge, Mpumalanga, 1996.

SCHNEIDER JW, JORDAAN HF. *The histopathological spectrum of Erythema Induratum of Bazin (EIB)*. 36th Congress of the Federation of South African Societies of Pathology (FSASP). Karos Kruger Lodge, Mpumalanga, 1996.

SMITH J, SCHNEIDER JW, RABIE A-G, GEERTS L. *Quantitative aspects of lung growth: Autopsy and biochemical findings in infants after pregnancy complicated by abnormal velocity waveforms in the umbilical artery*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

VON ULMENSTEIN DIF, WRANZ PAB, SCHNEIDER JW, KIRSTEIN C, PRETORIUS M. *The application of the cell block technique to aspirates of serous effusions*. 36th Congress of the Federation of South African Societies of Pathology (FSASP). Karos Kruger Lodge, Mpumalanga, 1996.

## Magister afgehandel/Master's completed

VON ULMENSTEIN DIF. *The application of the cell block technique to aspirates of serious effusions*. M.Med, 1996, 280 pp. Studieleier: Prof PAB Wranz.

## Projekte afgehandel/Projects completed

BEZUIDENHOUT J, SCHNEIDER JW, HUGO F, WESSELS G. *Teratomas in infancy and childhood in Tygerberg hospital 1972-1993*.

BEZUIDENHOUT J, WYSER C, BARDIN P, JOUBERT J. *Die kliniespatologiese korrelasie van die histologiese gradering van sarkoïedose*.

CHETTY R, DADA MA. *Co-existence of focal nodular hyperplasia of the liver and an adrenal pseudocyst*.

DADA MA CHETTY R. *Post mortem artifacts - A systemic review*.

DADA MA CHETTY R. *Post-transplant lympho-proliferative disorders - an overview*.

DADA MA, CHETTY R, SOUNDY V, GATTER KC. *Angiocentric B-cell lymphoma*.

DADA MA, RUTHERFOORD GS, AKOOJEE SB. *Neuropathological and medico-legal aspects of mercury poisoning. A case report and review of the literature*.

DOUBELL AF, MULLER CJF, ROSSOUW DJ, DAVIDS MR, PAGE C. *Establishment of a model to study the role of the endothelium in the prevention of restenosis following balloon angioplasty*.

DU PLESSIS DG, MOUTON Y, MULLER CJF, GEIGER DH. *An ultrastructural study of the developing perineurial sheath*.

ENGELBRECHT S, TREURNICHT F, SCHNEIDER JW, JORDAAN F, WRANZ PAB, VAN RENSBURG EJ, STEYTLER JG. *Herpes-tipe virus geassosieer met Kaposi-sarkoom*.

JORDAAN HF, SCHNEIDER JW. *Supernumerary digit*.

MOORE SW, SCHNEIDER JW, SMITH J. *Congenital syphilis associated with small bowel obstruction in neonates*.

MULLER CJF, MICHIE J. *Flow cytometry as a possible prognostic indication for selection of neutron versus photon therapy in head and neck cancer patients*.

NORVAL G, VAN DYK B. *Evaluation of biocompatible dental material*.

ROSSOUW GJ, MULLER CJF. *Die gebruik van warm, hoë konsentrasie kalium, bloed kardioplegie as alternatief vir koue kardioplegie vir beskerming van hartspier tydens opehart-operasies*.

RUTHERFOORD GS. *Herstel van perifere senuwees - 'n korrelasie tussen kliniese bevindinge en patologiese bewys van neuriet generasie.*

SCHNEIDER JW, JORDAAN HF. *A clinicopathological study of papular urticaria.*

SCHNEIDER JW, MOORE SW, HESSELING PB, WESSELS G. *Alpha-fetoprotein as a prognostic marker in hepatocellular carcinoma of childhood.*

SMITH J, BEZUIDENHOUT J. *Intratracheal administration of reconstituted surfactant versus placebo in surfactant deficient adult rabbits.*

VERNIMMEN FJ, BÖHM L, RUTHERFOORD GS, VAN DER MERWE EJ. *The use of aspirin, a platelet aggregation inhibitor, during and after irradiation of the rat cervical spinal cord; its influence on the development of radiation myelitis.*

### **Projekte lopend/Projects current**

APFFELSTAEDT J, VAN VELDEN DJJ, GEIGER DH, HENRICO B, WALSH J. *Identifisering van ER/PR positiewe pasiënte met gevorderde borskanker vir opvolgstudies ten opsigte van Tamoxifen behandeling.*

BASTIAAN H. *Physiological factors influencing human sperm acrosome reaction.* Magister studieleiers: Proff PAB Wranz, D Franken, TF Kruger.

BATES WD. *Membranous glomerulonephritis - adult idiopathic compared to HBV associated in children.* Doktorale promotor: Prof JJ Joubert.

BATES WD, DAVIES DR, GRAY DWR, MORRIS PJ. *Oxford renal transplants- BANFF evaluation.*

BATES WD, MULLER N, MOOSA MR. *HIV nephropathy in Africa.*

BEZUIDENHOUT J, DU PLESSIS DG, CHASE C, WYSER C. *'n Vergelyking van pleurale vog aspirasie en pleurale biopsies in pasiënte met tuberkulose.*

BEZUIDENHOUT J, DU PLESSIS DG, MULLER CJF, PRETORIUS M, BARDIN P, JOUBERT JR, VAN DE WAL BW, FERRIS S, BEYERS AD, BEYERS N, DONALD P. *Drugs are not enough: Cytokine dysregulation in tuberculosis.*

BEZUIDENHOUT J, DU PLESSIS DG, MULLER CJF, PRETORIUS M, CHASE C, JAMES R. *Vergelyking tussen die granulome in tuberkulose en sarkoïedose op LM, EM en IHC vlak.*

BEZUIDENHOUT J, DU PLESSIS DG, SCHNEIDER JW. *Hyperplastic and neoplastic changes in the adult heterotopic pancreas.*

BEZUIDENHOUT J, LOMBARD E, SCHNEIDER-WATERBERG AB, MANSVELDT E, LOUW I. *A retrospective and prospective study of the clinicopathological characteristics of T-cell lymphomas in Tygerberg Hospital.*

BEZUIDENHOUT J, MULLER CJF, WRANZ PAB, BOUIC P, CHASE C, SCHNEIDER-WATERBERG AB. *Sellulêre en molekulêre ondersoeke van benigne en maligne limfo-proliferatiewe toestande in limfkliere.*

BRUNDYN K. *Nfroblastoom - Klinies-patologiese korrelasie oor 'n tydperk van 10 jaar*. Magister studieleier: Dr JW Schneider.

CILLIERS JC, SCHNEIDER JW, VAN DER WESTHUIZEN F, VAN DER MERWE A. *Skin tumours of the ear region - a 12 year overview in order to detect the effect of histology on treatment and recurrence*.

DU PLESSIS DG. *Nerve sheath tumour pseudo-tactile bodies*.

DU PLESSIS DG. *Pacinian tactile bodies - An immunohistochemical and ultrastructural study*.

DU PLESSIS DG. *Papillary endothelial hyperplasia in multinodular goitre*.

DU PLESSIS DG. *Plexiform versus diffuse neurofibromas: an immunohistochemical and electron microscopical study*.

DU PLESSIS DG, BEZUIDENHOUT J, LOUW V, BATES WD, MOOSA R. *Major post-mortem findings in renal transplant recipients. A study of 79 autopsies from 1977 to 1996*.

DU PLESSIS DG, BEZUIDENHOUT J, WARREN R, SCOTT F, JOUBERT JJ, VAN HELDEN PD. *The pathogenesis of TB in a high incidence community: Exogenous reinfection versus endogenous reactivation - a post mortem study*.

DU PLESSIS DG, BIEBUYCK T, MOOSA MR. *Renal amyloidosis - a clinicopathological study*.

DU PLESSIS DG, VON DER HEYDEN U. *Kaposi sarcoma following post-surgical lymphedema*.

DU TOIT DF, MOUTON Y, WRANZ PAB, GEIGER DH et al. *Fetale rotþankreas oorplanting*.

DU TOIT G, WRANZ PAB, et al. *Cervical cytology screening project: Western Cape Province*.

EL SAYED M, KITSHOFF MS, MACGREGOR P, et al. *Elektronmikroskopiese studie op die onbevrukte ova na mikro-inspuiting*.

GEIGER DH. *In situ gene amplification in histopathology*.

GEIGER DH, VISSER J. *An immunohistological description of the pig gubernaculum*.

GELDERBLOM W, VICTOR T, GEIGER DH, et al. *Localization of p53 mutations in rat liver carcinoma - A PCR and IHC study*.

GELDERBLOM W, VICTOR T, GEIGER DH, et al. *Oesophageal carcinoma in a population from the Eastern Cape - a study of p53 mutations and p53 accumulation to determine possible prognostic and/or diagnostic criteria*.

GREEFF M, COLE W, MCCARTHY E, LOUW M, WRANZ PAB, THOMPSON IOC. *Fine needle aspiration cytology of jaw tumours*.

HAYES V, OOSTHUIZEN J, BEZUIDENHOUT J, TIEDT FAC, GEIGER DH. *Mutations in cancer related genes in lung cancer from radon exposed underground miners: A retrospective study.*

JAMES RWJ. *A study of the ultrastructure of tuberculous granulomas.*  
Magister studieleiers: Drr DG du Plessis, J Bezuidenhout.

JONAS E. *Exfoliative gastric lavage cytology as a screening method for gastric carcinoma with special reference to the detection of early gastric cancer.* Magister studieleiers: Dr M Louw en prof PAB Wranz.

LESCH M. *Genomiese veranderinge in Burkitt se Limfoom - PKR bepalinge van chromosoom translokasies en Epstein Barr virus.* Magister studieleiers: Proff J Oosthuizen, PAB Wranz.

LOUW JA, WRANZ PAB. *Ondersoek na bloedvat-patroon van aggressiewe angiomiiksoom.*

LOUW M, APFFELSTAEDT J, VISSER M. *Tiroïed: Aspirate en tegnieke.*

LOUW M, BEZUIDENHOUT J, WRANZ PAB, DU PLESSIS DG. *Die diagnose van tuberkulose op limfnodes: Aspirasie versus biopsie.*

LOUW M, SMIT K, McCARTHY E, MARANAKI B. *Flow cytometry as an adjunct to the cytologic diagnosis of body fluids and aspirates.*

LOUW M, VERBURG S, PETERSEN J, DU PLESSIS C, MARANAKI B, KIRSTEIN C, McCARTHY E, DU PLESSIS S. *PAPNET.*

MAARTENS DJ. *'n Patologiese ondersoek van die menslike plasenta en trofoblastiese siekte. Die toepassing van immunohistochemiese merkers in die diagnose van trofoblastiese siekte en ander tumore.* Magister studieleiers: Proff DJJ van Velden, PAB Wranz.

MAARTENS DJ, LOUW M. *Die patologiese verwantskap tussen die aorta, aterosklerose en alkoholiese lewersiekte in postmortem materiaal van manlike individue.*

MOOSA MR, SCHNEIDER JW, TREURNICHT F, JORDAAN HF, ENGELBRECHT S, VAN RENSBURG EJ, GEIGER DH, WRANZ PAB. *Herpes virus geassosieer met Kaposi-sarkoom in pasiënte wat nieroorplantings ontvang het.*

RUTHERFOORD GS, HEWLETT RH, et al. *Collative atlas of cerebrovascular pathology.*

SCHMIDT A, VAN VELDEN DJJ, GEIGER DH, WRANZ PAB, BOUIC P, LOUW M, SMIT K. *Comparison of intravesical instillation of BCG versus BCG plus Interferon Alpha 2 in the treatment of superficial transitional cell carcinoma of the bladder.*

SCHNEIDER JW. *Pigmented dermatofibroma protuberans with associated giant cell fibroblastoma.*

SCHNEIDER JW, APFFELSTAEDT J. *Neuroendocrine carcinoma of the skin in a black man.*



SCHNEIDER JW, BIDDOLPH SC, JORDAAN F, CHETTY R, GATTER KC, DADA MA. *The immunoexpression of thymidine phosphorylase in psoriasis.*

SCHNEIDER JW, DU PLESSIS L, OOSTHUIZEN J, HESSELING PB, JW MULLER CJF, GEIGER DH. *'n Vergelykende studie van vloeisitometrie en FISH om DNA-ploidie as prognostiese parameter in neuroblastome van kinders te evalueer.*

SCHNEIDER JW, GEIGER DH, JORDAAN HF, VICTOR T, VAN HELDEN PD. *The detection of Mycobacterium tuberculosis DNA in skin lesions of Lupus vulgaris.*

SCHNEIDER JW, GEIGER DH, NEL ED, VICTOR T, VAN HELDEN PD. *The detection of Mycobacterium tuberculosis DNA in liver needle biopsies in neonatal granulomatous hepatitis.*

SCHNEIDER JW, HESSELING PB, BÖRGSTEIN E, LOUW I, WESSELS G. *Burkitt lymphoma in childhood in Malawi.*

SCHNEIDER JW, JORDAAN HF. *A comparative study of immunofluorescence on frozen sections and a Streptavidin complex technique on paraffin-embedded tissue sections of bullous skin diseases.*

SCHNEIDER JW, ZEEMAN B. *Cranial fasciitis in childhood with progressive growth.*

TIEDT FAC, BEZUIDENHOUT J, CHASE C, SPRUYT L. *Immunomorfologiese beskrywing van TB granulome in limfkliere van kinders.*

TIEDT FAC, MACGREGOR P. *Ultrastructural study of the glycogen patterns in mesotheliomas and adenocarcinomas.*

VAN DER MERWE W, DU PLESSIS DG, WRANZ PAB. *'n Ondersoek van renale disfunksie na infra-renale klemming van die aorta gedurende major vaskulêre chirurgie - ultrastrukturele beskrywing van tubulêre skade.*

VAN VELDEN DJJ, DE JONG G. *Fetal bilateral obstructive uropathy.*

VAN VELDEN DJJ, HEYNS CF, et al. *Karsinoom van die penis: die effek van gradiëring en stadiëring op prognose en limfnode-verspreiding.*

VAN VELDEN DJJ, MAARTENS DJ, CAROLISSEN A, ODENDAAL HJ. *Plasentale veranderinge in PET.*

VARDAS E, RUTHERFOORD GS, et al. *Molecular epidemiology of measles virus in South Africa.*

VISSER J, HABIB FK, GEIGER DH. *Haematopoetic growth factors in the primary cultures of normal prostate.*

WHITAKER P, VAN VELDEN DJJ, VISSER JH, HEYNS CF. *Alfa-reduktase vlakke in prostaat en prostaatkarsinoom.*

WRANZ PAB, LOUW M, SCHAETZING AE. *Die optimale serviksbiopsie.*

## **ANESTESIOLOGIE / ANAESTHETICS**

## Tydskrifartikels/Journal articles

COETZEE A. Comparison of the affect of propofol and halothane on acute myocardial ischaemia and myocardial reperfusion injury. *Cardiovascular Journal of Southern Africa* 1996: C85-C90.

COETZEE A, ROSSOUW G, MACGREGOR L. Failure of alluprinol to improve LVSWI after cardiopulmonary bypass. *Journal of Cardiothoracic and Vascular Anesthesia* 1996; 10: 627-633.

COETZEE A, ROUSSEAU H, LAHNER D. Acute pulmonary hypertension and right ventricular failure in adult respiratory distress syndrome. *Cardiovascular Journal of Southern Africa* 1996: C147-C151.

COETZEE JF, KRUGER PB, ALBRECHT K, JAHED N, VAN JAARVELD P. Pharmacokinetic behaviour and cardiovascular effects of intravenously administered hypoxite and rooperol. *Arzneim Forsch/Drug Research* 1996; 46: 997-1000.

COETZEE JF, MARITZ S, DU TOIT C. Effect of tramadol on depth of anaesthesia. *British Journal of Anaesthesia* 1996; 76: 415-418.

COETZER M, COETZEE A, ROSSOUW G. The effect of methylprednisolone, given prior to cardiopulmonary bypass on indices of gas exchange. *Cardiovascular Journal of Southern Africa* 1996: C188-C192 (Supplement to South African Medical Journal).

## Referate internasionaal/Papers international

BOEZAART AP. *A pilot study evaluating a new technique for delivering patient controlled sedation.* Wêreldkongres. Sydney, Australië, 1996.

BOEZAART AP, BERRY R, BOEZAART LC. *Retrobulbar morphine for management of severe ocular pain.* Wêreldkongres. Sydney, Australië, 1996.

BOEZAART AP, DE BEER JF. *Accurate placement of a catheter for selective continuous interscalene brachial plexus nerve block.* Wêreldkongres. Sydney, Australië, 1996.

BOEZAART AP, DE BEER JF. *Early report on continuous interscalene brachial plexus nerve block as an aid to management of "frozen shoulder".* Wêreldkongres. Sydney, Australië, 1996.

BOEZAART AP, DE BEER JF, VAN ROOYEN K, DU TOIT C. *Interscalene brachial plexus nerve block and phrenic nerve function.* Wêreldkongres. Sydney, Australië, 1996.

BOEZAART AP, VAN DER MERWE J, COETZEE A. *Optimal surgical conditions is not a function of induced hypotension.* Wêreld Kongres. Sydney, Australië, 1996.

COETZEE JF. *Innovations in intravenous anaesthesia.* Symposium of the Society for Intravenous Anaesthesia. Cairns, Australië, 1996.

COETZEE JF. *Intravenous anaesthesia with propofol.* Wêreldkongres. Sydney, Australië, 1996.

MILLER DM, COETZEE JF. *Non-invasive cardiac output measurement using the Maxima breathing system*. Wêreldkongres. Sydney, Australië, 1996.

## Referate nasionaal/Papers national

BASSON E, COETZEE A, STEWART I. *Lung resection and cardiopulmonary reserve*. SASA Kongres. Port Elizabeth, 1996.

BASSON E, COETZEE AR, STEWART RI. *Lung resection and the cardiopulmonary reserve*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

BÖSENBERG A, LERMAN J, PAYNE K. *Paediatric anaesthesia*. SASA Kongres. Port Elizabeth, 1996.

COETZEE A. *Volume trauma of the lung*. SASA Kongres. Port Elizabeth, 1996.

COETZEE A, CLINTON C. *The patient with respiratory disease scheduled for non-pulmonary surgery*. SASA Kongres. Port Elizabeth, 1996.

COETZEE A, COETZEE J. *Various blood levels of sufentanil and MAC anaesthesia for cardiac surgery*. SASA Kongres. Port Elizabeth, 1996.

COETZEE A, COETZEE N. *Pressure-flow relations in venous coronary graft immediately after coronary bypass surgery*. SASA Kongres. Port Elizabeth, 1996.

COETZEE A, LEVIN A, VAN DER MERWE W. *Perioperative myocardial ischemia*. SASA Kongres. Port Elizabeth, 1996.

COETZEE A, ROUSSEAU H. *Acute pulmonary hypertension and right ventricular failure in ARDS*. SASA Kongres. Port Elizabeth, 1996.

COETZEE AR, COETZEE J. *Various blood levels of sufentanil and MAC anesthesia for cardiac surgery*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

COETZEE AR, COETZEE N. *Pressure-flow relations in venous coronary bypass grafts immediately after coronary artery bypass surgery*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

COETZEE AR, ROUSSEAU H. *Acute pulmonary hypertension and right ventricular failure in ARDS*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

COETZEE JF. *Intravenous anaesthesia*. SASA Kongres. Port Elizabeth, 1996.

COETZEE JF. *Pharmacokinetics of inhalation anaesthesia*. SASA Kongres. Port Elizabeth, 1996.

COETZEE JF, DE LA PORTE J, PINA R. *Target-controlled intravenous anaesthesia by remote control for intra-operative radiotherapy*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

COETZEE JF, DU TOIT J, MARITZ S. *Effects of tramadol on depth of anaesthesia*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

COETZEE JF, LOURENS J. *Nonlinear propofol pharmacokinetics*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

COETZEE JF, SLABBERT R, COETZEE AR. *Determination of cardiac output using a neural network*. 40ste Akademiese Jaardag, Fakulteit Geneeskunde, Universiteit van Stellenbosch, 1996.

COETZER M. *Die effek van metielprednisoloon voor kardiopulmonale omleiding op indekse van gaswisseling*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

COETZER M, COETZEE A. *Effect of prednisolone before cardiopulmonary bypass on indices of gas exchange*. SASA Kongres. Port Elizabeth, 1996.

GREEFF JC. *Estimation of cardiac output using the maxima breathing system*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

LOUBSER P. *Ondersoek na die moontlike afname in waaksaamheid van anesthesioloë gedurende na-uurse spoeddiens m.b.v. rekenaarprogram*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

MEYBURGH W, MILLER DM. *Comparing ventilation patterns in the use of a laryngeal mask*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

MILLER D. *A simple method for continuous non-invasive estimate of cardiac output using the maxima breathing system*. SASA Kongres. Port Elizabeth, 1996.

PAYNE KP. *Subarachnoid microcatheter anesthesia in small children*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

SLABBERT R, COETZEE J. *Determination of cardiac output using a neural network*. SASA Kongres. Port Elizabeth, 1996.

SPIES SK, VAN DEN BOGAERDE J, SPIES PR, BUCHEL EL, BOEZAART AP, MANICOM A. *Patient controlled analgesia and sedation for colonoscopic examination*. SAGES Kongres. Natal, 1996.

SPRENKELS M-L, MILLER DM. *A valveless circle absorber system by means of flow amplification with the maxima breathing system*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

## **Magister afgehandel/Master's completed**

LOUBSER PA. *Ondersoek na die moontlike afname in waaksaamheid van anesthesioloë gedurende na-uurse spoeddiens met behulp van 'n rekenaarprogram*. M.Med, 1996. 25 pp. Studieleier: Dr JF Coetzee.

LOURENS PJ. 'n Ondersoek na propofol se nie-liniêre farmakokinetika. M.Med, 1996. 64 pp. Studieleier: Dr JF Coetzee.

STEYTLER J. Kontaminasie van spuite na toediening van middels deur intraveneuse kannules - is daar 'n infeksie risiko? M.Med, 1996. 26 pp. Studieleier: Prof AR Coetzee.

## **ARBEIDSTERAPIE / OCCUPATIONAL THERAPY**

### **Projekte lopend/Projects current**

BEUKES S. *A standard statement and measurement criteria for occupational therapy work assessment areas in South Africa.*

KEMP R. *Die bepaling van die stressore en behartigingstrategieë by arbeidsterapie studente aan die Universiteit van Stellenbosch.*

## **CHEMIESE PATOLOGIE / CHEMICAL PATHOLOGY**

### **Tydskrifartikels/Journal articles**

BURGESS LJ, MARITZ FJ, LE ROUX I, TALJAARD JJF. Combined use of pleural adenosine deaminase with lymphocyte/neutrophil ratio. *Chest* 1996; 109: 414-419.

BURGESS LJ, MARITZ FJ, TALJAARD JJF. Epidemiology of pleural effusions. *South African Medical Journal* 1996; 86(2): 186.

DANIELS WMU, VAN RENSBURG SJ, VAN ZYL J, VAN DER WALT BJ, TALJAARD JJF. Melatonin and serotonin as free radical scavengers - possible mechanisms. *NeuroReport* 1996; 7: 1593-1596.

ENGELBRECHT AH, RUSSELL VA, MINTZ M, LAMM MCL, KELLAWAY L, HERBERG LJ, TALJAARD JJF. Kindled seizures do not affect adenosinergic inhibition of DA or ACh release in rat accumbens or PFC. *Pharmacology Biochemistry and Behaviour* 1996; 55(3): 315-321.

### **Verrigtinge nasionaal/Papers national**

MARITZ FJ, STEYN J, BURGESS LJ, WEICH HFH, HOUGH FS, TALJAARD JJF. *The lipid and lipoprotein profile in a group of uncontrolled female type II diabetes.* 32ste SEMDSA, 4de LASSA Kongres. Durban, 1996; *Cardiovascular Journal of Southern Africa* 1996; 86(S6): 11.

### **Referate nasionaal/Papers national**

BURGESS LJ. *Assessment of nutritional status.* "Hands on" Voedingskongres. Stellenbosch, 1996.

BURGESS LJ, LE ROUX P, CARSTENS M, TALJAARD JJF, MARITZ FJ, WEICH HFH. *The effects of lipaemia on the analysis of blood specimens.* 32ste SEMDSA Kongres. Durban, 1996.

BURGESS LJ, MARITZ FJ, TALJAARD JJF, WEICH HFH. *Incidence and causes for a total cholesterol >15 mmol/L*. 4de LASSA Kongres. Durban, 1996.

DANIELS WMU, VAN RENSBURG S, REITER RJ, TALJAARD JJF. *Melatonin: miracle or menace*. Neurowetenskap Lesing Kursus, Suid-Afrikaanse Neurowetenskap Vereniging. Grahamstad, 1996.

DANIELS WMU, VAN RENSBURG SJ, REITER R, TALJAARD JJF. *Melatonin and serotonin as free radical scavengers*. Eerste Vergadering van die Suid-Afrikaanse Slaap Vereniging. Johannesburg, 1996.

DE VILLIERS AS, RUSSELL VA, SAGVOLDEN T, TALJAARD JJF.  *$\beta$ -Adrenoceptor modulation of [3H]dopamine release from nucleus accumbens and caudate-putamen slices in a rat model for attention-deficit hyperactivity disorder*. 7de Suidelike Afrikaanse Neurowetenskap Simposium. Johannesburg, 1996.

ENGELBRECHT AH, RUSSELL VA, MINTZ M, LAMM MCL, KELLAWAY L, HERBERG LJ, TALJAARD JJF. *Kindled seizures do not affect adenosinergic inhibition of dopamine or acetylcholine release in rat nucleus accumbens or prefrontal cortex*. Neurowetenskap Lesing Kursus, Suid-Afrikaanse Neurowetenskap Vereniging. Grahamstad, 1996.

ENGELBRECHT AH, MARITZ FJ, BURGESS LJ, WEICH HFH, BARNES JM, TALJAARD JJF. *The influence of apo(a) levels on the success of thrombolysis with Streptokinase during acute myocardial infarction*. 4de LASSA Kongres. Durban, 1996.

MARITZ FJ, STEYN J, BURGESS LJ, BARNES JM, WEICH HFH, HOUGH FS, TALJAARD JJF. *The lipid and lipoprotein profile in a group of uncontrolled female type II diabetics at Tygerberg Hospital*. 20ste Suid-Afrikaanse Kardiologie Vereniging Kongres. Wildeckus, 1996.

RUSSELL VA, DE VILLIERS AS, SAGVOLDEN T, LAMM MCL, TALJAARD JJF. *Altered brain dopaminergic function in an animal model of attention-deficit hyperactivity disorder - the spontaneously hypertensive rat*. Neurowetenskap Lesing Kursus, Suid-Afrikaanse Neurowetenskap Vereniging. Grahamstad, 1996.

STEYN J, MARITZ FJ, BURGESS LJ, BARNES JM, WEICH HFH, HOUGH FS, TALJAARD JJF. *The lipid and lipoprotein profile in a group of uncontrolled female type II diabetics at Tygerberg Hospital*. 32ste SEMDSA Kongres. Durban, 1996.

VAN RENSBURG SJ, POTOchnik FCV, TALJAARD JJF. *Metals and cell membranes in the aetiology of Alzheimer's disease*. 7de Suidelike Afrikaanse Neurowetenskap Simposium. Johannesburg, 1996.

VAN RENSBURG SJ, POTOchnik FCV, TALJAARD JJF. *Transferrin C2, iron, aluminium and zinc in the pathogenesis of Alzheimer's disease*. Neurowetenskap Lesing Kursus, Suid-Afrikaanse Neurowetenskap Vereniging. Grahamstad, 1996.

VAN RENSBURG SJ, TALJAARD JJF, HUGO F, VAN ZYL P, MANSVELT E, HITCHCOCK E. *Veranderde ysterstatus in chroniese moegheid sindroom*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

VERIAVA Y, SEEDAT YK, RANDEREE IGH, SARELI P, RADEVSKI L, NORTON G, MARITZ FJ, BURGESS LJ, NAIKER I, CHITA G, CAMPBELL D. *The efficacy and safety of the angiotensin II receptor antagonist, Irbesartan, in the treatment of patients with severe hypertension.* 10de Jaarlikse Hipertensie Kongres van Suid-Afrika. Kaapstad, 1996.

### **Magister afgehandel/Master's completed**

BURGESS LJ. *The role of biochemical tests in the analysis of plural effusions.* M.Med., 1996. Studieleier: Prof JJF Taljaard.

### **Projekte afgehandel/Projects completed**

BURGESS LJ, TALJAARD JJF, DOUBELL A, LOUW H. *Rol van ADA in die analise van perikardiale effusies. (Role of ADA in the analysis of pericardial effusions.)*

BURGESS LJ, TALJAARD JJF, HEFFNER JE, BROWN LK, BARBIERI CA. *Meta-analises van die toetse wat diskrimineer tussen eksudatiewe en transudatiewe pleurale effusies. (Meta-analyses of tests that discriminate between exudative and transudative pleural effusions.)*

BURGESS LJ, TALJAARD JJF, MARAIS AD. *Lipied profiel en HMG CoA reductase inhibeerders in analbuminemie. (Lipid profile and response to HMG CoA reductase inhibitors in analbuminaemia.)*

CARSTENS ME, BURGESS LJ, TALJAARD JJF. *Lp(a) vlakke en apo(a) fenotipes in stedelike swart Suid-Afrikaanse mans. (Lp(a) levels and apo(a) phenotypes in urban black South African males.)*

DE VILLIERS AS, ENGELBRECHT AH, RUSSELL VA, TALJAARD JJF. *Aandagtekort/ hiperaktiwiteit stoornis. Rot model. (Attention deficit/hyperactivity disorder. Rat model.)*

### **Projekte lopend/Projects current**

BURGESS LJ, TALJAARD JJF, DOUBELL A, MARITZ FJ. *Rol van Biochemie in die analise van askites. (Role of Biochemistry in the analysis of ascites.)*

BURGESS LJ, TALJAARD JJF, DOUBELL A, MARITZ FJ, BARDIN P. *Sitokien profiel in TB pleuritis. (Cytokine profile in TB pleuritis.)*

CARSTENS ME, BURGESS LJ, TALJAARD JJF. *ADA isoensieme in kardiaale vog. (ADA isozymes in cardiac fluid.)*

VAN RENSBURG SJ, POTOENIK FCV, EMSLEY R. *Essensiële metaboliese faktore in Alzheimer se Siekte. (Essential metabolic factors in Alzheimer's disease.)*

VAN RENSBURG SJ, TALJAARD JJF, HUGO F, VAN ZYL P, DANIELS W. *Neuroëndokriene abnormaliteite in Mialgiese Enkefalomiëlitis. (Neuroendocrine abnormalities in Myalgic Encephalomyelitis.)*

VAN RENSBURG SJ, TALJAARD JJF, POTOENIK FCV, DANIELS W, VAN ZYL J, VAN DER WALT B. *Transferrien-gegenereerde vrye radikale in*

*Alzheimer se Siekte. (Transferrin-generated free radicals in Alzheimer's disease.)*

## **chirurgie (algemeen) / surgery (general)**

### **Tydskrifartikels/Journal articles**

KIRSTEN GF, SMITH J, PIEPER C, BIRD A, WESSELS G, RIPHAGEN S, MOORE SW. The necessity for T Cryptantigen activation screening in babies with necrotising enterocolitis. *South African Medical Journal* 1996; 86(5): 546-548.

MOORE SW. Invited comment by Professor SW Moore, Department of Paediatric Surgery, University of Stellenbosch. *South African Journal of Surgery* 1996; 34(2): 75-76.

MOORE SW. Malrotation and midgut volvulus. Invited commentary. *South African Journal of Surgery* 1996; 34: 75-76.

MOORE SW, ALBERTYN R, CYWES S. Clinical outcome and long-term quality of life after surgical correction of Hirschsprung's Disease. *Journal of Pediatric Surgery* 1996; 31(11): 1496-1502.

MOORE SW, DE JONGH G, BOUIC P, BROWN RA, KIRSTEN G. Immune deficiency in familial duodenal atresia. *Journal of Pediatric Surgery* 1996; 31(12): 1733-1735.

MOORE SW, KASCHULA ROC, ALBERTYN R, et al. The outcome of Solid tumours occurring in the neonate. *Pediatric Surgery International* 1995; 10: 366-370.

VAN ZYL JA. Grootname in die Geneeskunde. Prof FD du Toit van Zijl (MB.Ch.B., FRCS, Ch.M.). Redaksioneel. *Geneeskunde* 1996; Mei/Junie: 4-5.

WESSELS G, HESSELING PB, MOORE SW. The use of central venous catheters in children receiving intensive oncotherapy in a developing country. *South African Journal of Surgery* 1996; 34(4): 185-188.

### **Verrigtinge internasionaal/Proceedings international**

MOORE SW, KASCHULA ROC, ALBERTYN R, et al. *The outcome of solid tumours occurring in the neonatal period. Pediatric Surgery* 1996; 31(3): 457.

WESSELS G, HESSELING PB, MOORE SW. *Central venous catheters in high risk oncologic patients. Proceedings of First Continental Meeting of the International Society of Pediatric Oncology SIOP. 1996; South African Journal of Surgery* 1996; 34(4): 185-188.

### **Referate internasionaal/Papers international**

APFFELSTAEDT J, LOUW M, SCHNEIDER JW. *The value and problems of fine needle aspiration of salivary gland masses in general surgical practice. 20th Biennial Congress of the Association of Surgeons of South Africa. Victoria Falls, 1996.*



APFFELSTAEDT J, McCARTHY E, SCHNEIDER JW. *Fine needle aspiration cytology of salivary gland masses in surgical practice*. Annual Scientific Congress with the Gastroenterological Society of Australia. World Congress Centre, Melbourne, 1996.

JOHNSON GA, MOORE SW. *Cholinesterases influence proliferation, differentiation and adhesion in cultured human neuroblastoma cells*. Poster presentation, First UK-RSA Symposium on Cell Growth Control. Cape Town, 1996.

JOHNSON G, MOORE SW. *HNK-1 and acetylcholinesterase in adhesion and differentiation of neuroblastoma cells in vitro*. 9th International Symposium on Pediatric Surgical Research. Rome, Italy, 1996.

JONAS EG, LOUW M, WRANZ PAB, WARREN BL. *Gastric lavage cytology in the detection of early gastric cancer*. 20th Biennial Congress of the Association of Surgeons of South Africa. Victoria Falls, 1996.

KLIJN JGM, SEYNAVE C, BEEEX L, MAURIAC L, VAN ZIJL J, VEYRET C, WILDIERS J, JASSEM J, BURGHOUTS J, BECQUART M, NAMER M, PICCART M, GRACIA-CONDE J, MIGNOLET F, HOCTIN-BOES, EORTC BREAST CANCER COOP. GROUP. *Addition of a LHRH-agonist to Tamoxifen (TAM) improves survival in premenopausal patients with metastatic breast cancer: Detailed analysis of EORTC study 10881*. 21st ESMO Congress. Dr Daniel den Hoed Kliniek, Erasmus University, Rotterdam, 1996.

KLIJN JGM, SEYNAVE C, BEEEX L, MAURIAC L, VAN ZIJL J, VEYRET C, WILDIERS J, JASSEM J, BURGHOUTS J, BECQUART M, NAMER M, PICCART M, GRACIA-CONDE J, MIGNOLET F, HOCTIN-BOES, EORTC BREAST CANCER COOP. GROUP. *Combined estrogen suppression and receptor (ER) blockade by Buserelin (LHRH-A) and Tamoxifen (TAM) in premenopausal metastatic breast cancer: Preliminary results of a 3-arm randomized study (EORTC 10881)*. 7th EORTC Breast Cancer Working Conference. Dr Daniel den Hoed Kliniek, Erasmus University, Rotterdam, 1996.

MOORE SW, BIRD A, KIRSTEN G, PIEPER C, SMITH J. *T-Crypt antigen activation, blood transfusion and outcome in surgically premature infants with Necrotizing enterocolitis*. Second Meeting Pan African Association of Paediatric Surgeons in Africa. Cairo, Egypt, 1996.

MOORE SW, SCHNEIDER JW, SCHAAF S. *Neoplasia and chronic cervical lymphadenopathy in childhood*. Oral presentation. Second Continental Meeting of the International Society of Pediatric Oncology in Africa. Cairo, Egypt, 1996.

MOORE SW, SMITH J, PIEPER C, KIRSTEN G. *Factors determining outcome in necrotizing enterocolitis*. Second Meeting Pan African Association of Paediatric Surgeons in Africa. Cairo, Egypt, 1996.

MOORE SW, VOSS M, PIEPER C, KIRSTEN G. *The outcome in surgically treated necrotizing enterocolitis*. Poster presentation, 9th International Symposium on Pediatric Surgical Research. Rome, Italy, 1996.

MOORE SW, WESSELS G, HESSELING P. *Nasopharyngeal carcinoma in childhood*. Poster presentation, Second Continental Meeting of the International Society of Pediatric Oncology in Africa. Cairo, Egypt, 1996.

SWANEPOEL E, APPFELSTAEDT JP. *Malignant pericardial effusion in breast cancer terminal event or treatable complication?* Discussion. 20th Biennial Congress of the Association of Surgeons of South Africa. Victoria Falls, 1996.

WARREN BL. *Laparoscopy in the management of an acute abdominal conditions.* 20th Biennial Congress of the Association of Surgeons of South Africa. Victoria Falls, 1996.

### **Referate nasionaal/Papers national**

EDGE J. *Wound healing and HIV infection.* South African Burn Society Congress. Sandton, 1996.

MOORE SW, CYWES S, ROMEO G, LIN Y. *Familial Hirschsprung's disease, genetic associations and RET.* Paper presentation, SAAPS Congress. Bloemfontein, 1996.

MOORE SW, JOHNSON GA. *The role of antiadhesive antibodies in the inhibition of adhesion and differentiation of neuroblastoma cells in vitro.* Paper presentation, SAAPS Congress. Bloemfontein, 1996.

MOORE SW, SCHNEIDER J. *Malignancy or infection - an analysis of cervical lymph node diagnosis in 1157 patients.* Paper presentation, SAAPS Congress. Bloemfontein, 1996.

STEENKAMP WC, VAN DER MERWE AE. *Social functioning of burn unit nurses.* South African Burn Society Congress. Sandton, 1996.

VAN DER MERWE AE. *Ten year experience of the use of Povidone Iodine in a burn unit.* South African Burn Society Congress. Sandton, 1996.

VAN VUUREN B, MOORE SW, SCHNEIDER J. *Epidemiology of acute appendicitis in the Western Cape.* Paper presentation, SAAPS Congress. Bloemfontein, 1996.

VOSS M, MOORE SW. *Fulminating necrotizing enterocolitis, the case for early active management.* Paper presentation, SAAPS Congress. Bloemfontein, 1996.

### **Hoofstukke in boeke/Chapters in books**

MOORE SW. Genetic and clinical associations of neonatal tumours. In: Puri P, Surana R, (eds). *Neonatal tumours.* Springer Verlag, Berlin, 1996: 11-22.

### **Projekte afgehandel/Projects completed**

VAN DER MERWE AE. *A profile of patients treated with Betadine cream and ointment in a major burn center over a period of ten years (1986 - 1995).*

### **Projekte lopend/Projects current**

EDGE J, VAN DER MERWE AE. *Lymphocyte function in patients with burns and HIV virus infection.*

MOORE SW. *Current collaborative studies with international laboratories involved in research into the role of genetics of Hirschsprung's disease (DNA from Cape Town family sample).*

MOORE SW. *Current research into immunological aspects of enteric response in patients with congenital aganglionosis.*

MOORE SW. *Effects of anti-adhesive monoclonal and polyclonal antibodies to on Neuroblastoma tumour cells in vitro. Research has involved the raising of polyclonal and monoclonal antibodies in animal models.*

MOORE SW. *Histological aspects of the diagnosis of Neuronal Intestinal Dysplasia and Hirschsprung's disease as well as other causes of Pseudoobstruction (eg. Degenerative Leiomyopathy).*

MOORE SW. *Monoclonal antibodies influence the neuromodulator function of acetylcholinesterase in tumour cell differentiation.*

MOORE SW. *The role of acetylcholinesterase antibodies in influencing cell adhesion in neuroblastoma cells in vitro. Cancer Association of South Africa 1995-1997.*

MOORE SW. *The role of acetylcholinesterase in cell adhesion and signal transduction in the developing nervous system.*

MOORE SW. *The role of anti-acetylcholinesterase antibodies in the normal and abnormal development of the enteric nervous system and neuroblastoma cell lines.*

MOORE SW. *Various clinical subjects (eg. necrotizing enterocolitis, diaphragmatic hernias, lymphadenopathy in tuberculosis, abdominal tuberculosis, neuronal intestinal dysplasia of the GIT, muscle degeneration of bowel, acute appendicitis in childhood, etc. - current research into significance and properties of acetylcholinesterase in Hirschsprung's Disease, including developmental aspects.*

PRINS A, BLAAUW R, LABADARIOS D, VAN DER MERWE AE. *Determination of the Micronutrient status of burns patients in Tygerberg Hospital.*

PRINS A, BLAAUW R, LABADARIOS D, VAN DER MERWE AE. *The influence of burn injury on bone mineral density.*

## **dermatologie / dermatology**

### **Tydskrifartikels/Journal articles**

CILLIERS J. Pathology of the skin's immune system. *Diseases of the Skin* 1996; 10(2): 25-31.

JORDAAN HF. Annular lesions in exogenous ochronosis. *American Journal of Dermatopathology* 1996; 18: 106-107.

JORDAAN HF. Skin biopsies in inflammatory disorders: When, where, how and what to expect. *State of the Art Dermatology* 1996: 15-19.

JORDAAN HF. Skin diseases specifically associated with pregnancy. *Diseases of the Skin* 1996; 10: 14-23.

JORDAAN HF, SCHNEIDER JW, SCHAAP HS, VICTOR TS, GEIGER DH, VAN HELDEN PD, ROSSOUW DJ. Papulonecrotic tuberculid in children. A report of 8 children. *American Journal of Dermatopathology* 1996; 18(2): 172-185.

SCHMIDT DKT, JORDAAN HF, SCHNEIDER JW, CILLIERS J. Cerebral and subcutaneous cysticercosis treated with Albendazole. American Academy of Dermatology's "Multi-media teaching file" on CD ROM (Mosby), 1996.

SMIT E, CILLIERS J, DE BEER C. A long-term clinicopathological study of the Ingram regimen in extensive plaque psoriasis. *Journal of Dermatological Treatment* 1995; 6: 227-232.

WOLFAARDT GS, JORDAAN HF, DE BEER C. The prevalence of warts in workers at a poultry processing and packing plant in the Western Cape, South Africa. *The South African Journal of Epidemiology and Infection* 1995; 10(4): 111-114.

### **Verrigtinge internasionaal/Proceedings international**

CILLIERS J, VAN DER WESTHUIZEN FW, VAN DER MERWE A, SCHNEIDER JW. *A 12-year survey of tumours of the auricular region*. Dermatology 2 000 Congress. Vancouver, Canada, 1996: 109.

DE BEER C, CILLIERS J. *Multiple drug users: identifying culprit drugs in patients with a dermatosis*. 22nd World Congress of Medical Technology. Oslo, Norway, 1996: 78.

### **Verrigtinge nasionaal/Proceedings national**

CILLIERS J, DE BEER C, SCHNEIDER JW. *Multiple drug users: identifying culprit drugs in patients with a dermatosis*. Congress of the Dermatological Society of South Africa. Mount Grace, Magaliesburg, 1996: 5.

HEYDENRYCH IR. *Histoplasmosis in HIV-disease*. Congress of the Dermatological Society of South Africa. Mount Grace, Magaliesburg, 1996: 6.

SCHMIDT DKT. *Adult colloid milium of both dermal and epidermal origin*. Congress of the Dermatological Society of South Africa. Mount Grace, Magaliesburg, 1996: 5.

SWART Z. *Disseminated cryptococcosis*. Congress of the Dermatological Society of South Africa. Mount Grace, Magaliesburg, 1996: 6.

### **Referate nasionaal/Papers national**

BEZUIDENHOUT J, SCHNEIDER JW, SWART Z, JORDAAN HF, JOUBERT J. *Cryptococcosis: a histopathological mimic of sarcoidosis*. Bushpath '96. Johannesburg, 1996.

CILLIERS J. *Dermatologiese probleme - aard en hantering*. Infocare Kongres. Bredasdorp, 1996.

CILLIERS J. *Dermatology in an ICU setting*. 18th Annual Critical Care Congress. Bloemfontein, 1996.

CILLIERS J. *An update on electrodermatology*. Sikhumba Klub Mini-kongres. Arniston, 1996.

DAVIDS MR, JORDAAN HF, SCHNEIDER JW, MOOSA MR. *Systemic calciphylaxis in patients on renal replacement therapy*. 40th Academic Year Day of the Faculty of Medicine, University of Stellenbosch. Tygerberg, 1996.

HEYDENRYCH IR. *Silica granulomas in a sporotrichoid distribution*. Congress of the Dermatological Society of South Africa - Symposium: Clinico-pathological case reports. Mount Grace, Magaliesburg, 1996.

JORDAAN HF. *Clues in dermatopathology*. Sikhumba Klub Mini-kongres. Arniston, 1996.

JORDAAN HF. *Nodules in children*. Sikhumba Klub Mini-kongres. Arniston, 1996.

JORDAAN HF. *Pilomatrixoma with secondary anetoderma*. Congress of the Dermatological Society of South Africa - Symposium: Clinico-pathological case reports. Mount Grace, Magaliesburg, 1996.

SCHNEIDER JW, JORDAAN HF. *The histopathological spectrum of Erythema Induratum of Bazin (EIB)*. Bushpath '96. Johannesburg, 1996.

## **Projekte afgehandel/Projects completed**

CILLIERS J. *Dermatologie van die oorskulp. (An overview of dermatology of the auricular region.)*

CILLIERS J. *Inflammatoriese prosesse in atopiese vel. (Aspects of the inflammatory process in atopic skin.)*

CILLIERS J. *Die Tygerberg Veltumor Kliniek - Databank 1982 - 1996. (The Tygerberg Skin Tumour Clinic - data capture - 1982-1996.)*

CILLIERS J, DE BEER C. *Histamien in atopiese vel. (Histamine in atopic skin.)*

CILLIERS J, DE BEER C, VAN DER MERWE A. *Aurikulêre tumore - 'n 12 jaar oorsig. (A 12-year overview of tumours of the auricular region.)*

JORDAAN HF, CILLIERS J, DEMPERS PJ, SCHMIDT DKT. *Histopatologie van papulêre urtikarie. (Histopathology of papular urticaria.)*

JORDAAN HF, SCHNEIDER JW. *Klinies patologiese aspekte van erythema induratum. (Clinicopathological aspects of erythema induratum.)*

JORDAAN HF, VICTOR T, SCHNEIDER JW. *Histologie en PKR aspekte van papulonekrotiese tuberkulied. (Histological and PCR aspects of papulonecrotic tuberculide.)*

SMIT E, CILLIERS J, DE BEER C. *Ingram behandeling vir chroniese plaket psoriase. (Ingram's therapy module for chronic plaque psoriasis.)*

WHITAKER DK, CILLIERS J, DE BEER C. *Manipulasie van die aragidoonsuur metaboliese pad as terapie model in hand dermatitis. (Hand dermatitis - manipulation of the arachidonic acid metabolic path as therapy module.)*

## **Projekte lopend/Projects current**

CILLIERS J. *Sitokiene en die inflammatoriese proses in atopiese vel. (Cytokines and the inflammatory process in atopic skin.)*

CILLIERS J. *Die Tygerberg Veltumorkliniek databank (Tygerberg Skin Tumour data bank.)*

CILLIERS J, DE BEER C. *'n Dubbel-blinde plasebo beheerde terapie toets om die effektiwiteit van koolteer op plaak psoriase te bepaal. (A double-blind placebo controlled trial to determine the effectiveness of coal tar on plaque psoriasis vulgaris.)*

CILLIERS J, JORDAAN HF. *Bedryfsdermatose by 'n uraanmyn. (Industrial dermatoses at a uranium mine.)*

CILLIERS J, SCHNEIDER JW. *'n 12-Jaar klinies-patologiese oorsig van tumore van die oorskulp gebied. (A 12-year clinicopathological overview of tumours of the auricular region.)*

CILLIERS J, SWART Z. *Chemiese eksfoliasie as chroniese terapie module om sonbeskadigde voorarm vel te herstel. (Chemical peel as long-term therapy module for actinically damaged forearm skin.)*

JORDAAN HF. *Aspekte van kutane tuberkulose. (Aspects of cutaneous tuberculosis.)*

JORDAAN HF. *Sweet sindroom. (Sweet's syndrome.)*

JORDAAN HF, ABDULLA EAK. *Die dermatologie van HIV siekte. (Dermatological aspects of HIV disease.)*

JORDAAN HF, HEYDENRYCH IR. *Aspekte van die antikonvulsant sindroom. (Aspects of the anti-convulsant syndrome.)*

JORDAAN HF, SCHMIDT DKT, CILLIERS J, DEMPERS PJ, SCHNEIDER JW. *Papulêre urtikarie - lokale en sistemiese aspekte. (Papular urticaria - local and systemic aspects.)*

JORDAAN HF, SCHMIDT DKT, CILLIERS J, DEMPERS PJ, SCHNEIDER JW. *Papulêre urtikarie - die rol van Ketotifen in behandeling. (Papular urticaria - the role of Ketotifen in therapy.)*

JORDAAN HF, SCHNEIDER JW. *Die oudit van dermatopatologie. (Dermatopathology Auditing.)*

JORDAAN HF, SCHNEIDER JW. *Die Tygerberg Hospitaal melanoom opname. (The Tygerberg Hospital Melanoma Study.)*

## **farmakologie / pharmacology**

## Tydskrifartikels/Journal articles

BOTHA FJH, SIRGEL FA, PARKIN DP, VAN DE WAL B, DONALD PR, MITCHISON DA. Early bactericidal activity of ethambutol, pyrazinamide and the fixed combination of isoniazid, rifampicin and pyrazinamide (Rifater) in patients with pulmonary tuberculosis. *South African Medical Journal* 1996; 86: 115-158.

BOTHA FJH, VAN DER BIJL P, SEIFART HI, PARKIN DP. Fluctuation of the volume of distribution of amikacin and its effect on once-daily dosage and clearance in a seriously ill patient. *Intensive Care Medicine* 1996; 22: 443-446.

COETZEE JF, KRUGER PB, ALBRECHT CF, JAHED N, VAN JAARVELD PP. Pharmacokinetic behaviour and cardiovascular effects of intravenously administered hypoxoside and rooperol. *Arzneimittel Forschung Drug Research* 1996; 46(11): 997-1000.

DANIELS WMU, VAN RENSBURG SJ, VAN ZYL JM, VAN DER WALT BJ, TALJAARD JJF. Free radical scavenging effects of melatonin and serotonin: Possible mechanism. *Neuro Report* 1996; 7: 1593-1596.

DONALD PR, PARKIN DP, SEIFART HI, SCHOEMAN JF, VAN ZYL LE. Drug treatment of tuberculosis meningitis in children. A practical guide. *CNS Drugs* 1996; 6(1): 12-22.

GUZDEK A, NIZANKOWSKA E, ALLISON AC, KRUGER PB, KOJ A. Cytokine production in human and rat macrophages and dicatechol rooperol esters. *Biochemical Pharmacology* 1996; 52(7): 991-998.

PANTANOWITZ L, MÜLLER GJ, SCHRIRE L, VAN RENSBURG AJ. Venomous Arthropods of South Africa. *The Leech* 1996; 65(3): 2-6.

VAN ZYL JM, VAN DER WALT BJ. Haemoproteins are directly reduced and not by the superoxide pathway during xanthine oxidase-catalysed hydroxylation of pyrazinoic acid. *Medical Science Research* 1996; 24(11): 739-741.

VAN ZYL JM, VAN DER WALT BJ. Thiacetazone as a scavenger of myeloperoxidase-generated hypo-chlorous acid and singlet oxygen. *Medical Science Research* 1996; 24: 181-183.

## Verrigtinge internasionaal/Proceedings international

ALBRECHT CF. *Hypoxoside: A putative non-toxic prodrug for the possible treatment of certain malignancies, HIV-infection and inflammatory conditions.* Proceedings of the First International IOCD - Symposium. Victoria Falls, 1996: 303-308.

BURGER I, ALBRECHT CF, SPIES HSC, BURGER BV. *Isolation and characterization of two saponins from *Becium grandiflorum* var. *obovatum*.* Proceedings of the First International IOCD - Symposium. Victoria Falls, 1996: 295-302.

## Referate internasionaal/Papers international

ALBRECHT CF. *Cell-growth inhibitory activity of hypoxoside as an oral antitumour prodrug*. Nobel Symposia Series, "Frontiers in Medicine": Colorectal neoplasia - morphological, clinical and molecular aspects. Nobel Forum, Karolinska Institute, Stockholm, Sweden, 1996.

BOUIC PJD, ETSEBETH S, LAMPRECHT J, VAN VUREN J, ALBRECHT C, LIEBENBERG RW, VAN JAARSVELD P. *Stabilization of CD4 cells counts in HIV-positive individuals ingesting Hypoxis plant extracts*. IOCD International Symposium "Chemistry, Biological and Phamacological properties of African Medicinal Plants". Victoria Falls, Zimbabwe, 1996.

MÜLLER GJ. *Treatment guide review groups*. Ninth Meeting of the Poisons Centre Working Group for the IPCS INTOX project. Cardiff, UK, 1996.

SEIFART HI, PARKIN DP, VAN DEN PLAS S, BOTHA FJ, VAN DEN PLAS ML, VAN HELDEN PD, VAN DER WALT BJ, DONALD PR, VAN JAARSVELD PP. *Trimodality of isoniazid elimination: Phenotype and genotype in patients with tuberculosis*. First International Conference on Pharmaceutical and Pharmacological Sciences (ICPPS). Midrand, Gauteng, 1996.

THERON E, ALBRECHT CF. *Rooperol, the aglycone of hypoxoside from Hypoxis rooperi, can induce apoptosis in HL-60 human promyelocytic leukemic cells*. IOCD International Symposium "Chemistry, Biological and Phamacological properties of African Medicinal Plants". Victoria Falls, Zimbabwe, 1996.

VAN JAARSVELD PP. *Are beta-sitosterol and its glucoside the ultimate dietary supplements for a healthy immune system?* First International Conference on Pharmaceutical and Pharmacological Sciences (ICPPS). Midrand, Gauteng, 1996.

## Referate nasionaal/Papers national

ALBRECHT CF. *Hypoxoside as a putative multi-functional prodrug*. South African Association of Botanists (SAAB)/Indigenous plant use forum (IPUF) combined Conference. Stellenbosch, 1996.

AUSTIN ME, LAMPRECHT JH. *The in vivo testing of a noval anti-retroviral drug using the FIV model in SPF cats*. Twelfth Scientific Congress of the South African Association for Laboratory Animal Science. Pretoria, 1996.

BADENHORST C, VERDONCK F, TYTGAT J, VAN DER WALT J, MÜLLER G. *A comparative study of venom composition and biological actions of purified toxins from southern African scorpions*. Fifth African Arachnological Colloquium. Warmbaths, 1996.

DONALD PR, LAMPRECHT JH, FREESTONE M, ALBRECHT CF, VAN JAARSVELD PP. *A prospective randomized placebo-controlled trial of the efficacy of beta-sitosterol (BSS) as an adjuvant in the treatment of pulmonary tuberculosis*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

FREESTONE M, LAMPRECHT JH. *A report on the breeding of FIV infected laboratory cats used in an in vivo drug trial*. Twelfth Scientific Congress of the South African Association for Laboratory Animal Science. Pretoria, 1996.



GABRIELSE V, ALBRECHT CF, THERON E. *The conversion of rooperol metabolites to rooperol by activated macrophages in culture*. South African Association of Botanists (SAAB)/Indigenous Plant use Forum (IPUF) combined Conference. Stellenbosch, 1996.

LAMPRECHT JH, FREESTONE M, BOUIC P, AUSTIN M. *A prospective study to evaluate the effect of an essential sterolin formulation in FIV infected domestic cats*. Twelfth Scientific Congress of the South African Association for Laboratory Animal Science. Pretoria, 1996.

MÜLLER GJ. *Differential diagnosis of envenomations with special reference to spider bite and scorpion sting*. Fifth African Arachnological Colloquium. Warmbaths, 1996.

THERON E, ALBRECHT CF. *Apoptosis induced in HL-60 cells by rooperol; A newly discovered phytochemical anti-oxidant*. First UK-RSA Symposium on Cell Growth Control. Cape Town, 1996.

### **Boeke/Books**

SCHRIRE L, MÜLLER GJ, PANTANOWITZ L. *The diagnosis and treatment of envenomation in South Africa*. South African Institute for Medical Research, Johannesburg, 1996. 51 pp.

### **Patente/Patents**

ALLISON AC, ALBRECHT CFdeV, KRUGER PB, VAN DER MERWE MJ. *Anti-inflammatory treatment method*. United States Patent No. 5,569,649, 1996.

BOUIC PJD, ALBRECHT CFdeV. *Compositions of phytosterols and phytosterolins as immunomodulators*. European Patent No. 0509656, 1996.

BOUIC PJD, ALBRECHT CFdeV. *Method and compositions for modulating or control of immune responses in humans*. United States Patent No. 5486510, 1996.

### **Doktoraal afgehandel/Doctoral completed**

PARKIN DP. *A critical appraisal of the clinical pharmacokinetics of isoniazid*. Ph.D., 1996. 120 pp. Promotor/medepromotor: Prof PR Donald/prof PP van Jaarsveld.

### **Magister afgehandel/Master's completed**

GABRIELSE VS. *Studies on the Pharmacology of rooperol and extracts from Sutherlandia frutescens*. M.Sc., 1996. 130 pp. Studieleier: Dr CF Albrecht.

ROBINSON PJ. *Studies on transferrin-DNA conjugates for gene delivery to cells and animal tissues*. M.Sc., 1996. 110 pp. Studieleier: Prof AO Hawtrey.

### **Projekte afgehandel/Projects completed**

ALBRECHT CFdeV. *Identifisering van substansie in urine wat 'n rol speel by stres. (Identification of substances in urine involved in stress.)*

LE ROUX AM, WIUM CA, VAN JAARSVELD PP, JOUBERT JR. *Orale salbutamol terapie vir profilakse teen asma. (Oral salbutamol in the prophylaxis of asthma.)*

### **Projekte lopend/Projects current**

ALBRECHT CFdeV, LAMPRECHT JH, VAN JAARSVELD PP, BOUIC PJD. *Ontwikkeling van plantaardige substansie as effektiewe geneesmiddels. (Development of plant products into effective medicines.)*

HAWTREY AO. *Teikengerigte aflewering van nukleïensure en middels. (Targeted delivery of nucleic acids and drugs.)*

LE ROUX AM. *A clinical pharmacokinetic and pharmacodynamic study of salbutamol in the prophylaxis of bronchial asthma.* Doktorale promotor/medepromotor: Prof JR Joubert/prof PP van Jaarsveld.

MÜLLER GJ, VAN ZYL JM. *Kliniese toksikologie van middels, giftige plante en diere. (Clinical toxicology of drugs, poisonous plants and animals.)*

PARKIN DP, SEIFART HI, BOTHA FJH, DONALD PR. *Die farmakokinetika van antituberkulose middels. (The pharmacokinetics of antituberculosis drugs.)*

UEBEL RA, WIUM CA, COETZEE JF. *Die farmakokinetika van intraveneuse narkose middels. (The pharmacokinetics of intravenous anesthetics.)*

VAN DER WALT BJ, VAN ZYL JM. *Bioaktivering van antimikobakteriële middels en versterking van die mikobakteriosidiese kapasiteit van die makrofaag. (Bioactivation of antimycobacterial drugs and potentiation of the mycobacteriocidal capacity of the macrophage.)*

VAN DER WALT BJ, VAN ZYL JM. *Oksidatiewe metabolisme van xenobiotika. (Oxidative metabolism of xenobiotics.)*

## **fisioterapie / physiotherapy**

### **Tydskrifartikels/Journal articles**

DE VILLIERS MR, ASIA B, DREYER Y, KOORNHOF HE, STATHAM S. Training the primary health care team. *South African Family Practice* 1996; 17(3): 111-117.

IRWIN-CARRUTHERS SH. Relations entre les mouvements du fœtus et l'éveil du nourrisson. *Kinésithérapie Scientifique* 1996; 360: 45-51.

UYS MS. Back pain - aspects of therapeutic care and rehabilitation. *SA Bone and Joint Surgery* 1996; 6(5): 12-14, 30.

UYS MS, DIENER JH. Orthopaedic manipulative therapy in South Africa. *South African Journal of Physiotherapy* 1996; 52(4): 79-84.

### **Verrigtinge internasionaal/Proceedings international**

IRWIN-CARRUTHERS SH. *Neurophysiological basis of neurodevelopmental therapy*. Proceedings of the 1st International SI-NDT Congress. Cape Town, South Africa, 1996: 23-26.

### **Referate internasionaal/Papers international**

FAURE M, MARKS G, PRIPP K. *Management of survivors of torture*. Second International Congress of the World Confederation for Physical Therapy - Africa Region. Harare, Zimbabwe, 1996.

IRWIN-CARRUTHERS SH. *Fetal movements in mid-pregnancy and their relationship to neonatal competency*. 1st International SI-NDT Congress. Cape Town, South Africa, 1996.

UYS MS, DIENER JH. *A survey on orthopaedic manipulative therapy in South Africa*. Congress of the International Federation of Orthopaedic Manipulative Therapists. Lillehammer, Norway, 1996.

### **Projekte lopend/Projects current**

BURGER M, SCHOEMAN J, WAIT J. *The long-term follow-up of children with TBM treated at Tygerberg Hospital*.

FAURE M. *Investigating strategies to enhance clinical education in an undergraduate physiotherapy programme: An action research study*.

IRWIN-CARRUTHERS SH. *A longitudinal study of fetal movement and neonatal competency in urban black and white infants*. Doktorale promotor: Prof HJ Odendaal.

UYS MS, GOOSEN A, MULLER C, SAPEIKA C. *Die beplanning van 'n multidissiplinêre chroniese pynkliniek*.

UYS MS, VAN ZYL AL, TRUTER M, LOCHNER RY, LE ROUX S, KOTZE DJ, GREEN S, FOURIE E. *The interdisciplinary assessment of clients with physical disabilities: An outreach strategy*.

## **gemeenskapsgesondheid / community health**

### **Tydskrifartikels/Journal articles**

BENADÉ JG. A massive outbreak of food poisoning - a reminder of the importance of proper toxic waste control. *South African Medical Journal* 1996; 86(5): 551-552.

### **Verrigtinge internasionaal/Proceedings international**

PEPLER D, DE VILLIERS B, MARTIN R. *An approach to management planning for Lesser Kestrels (Falco naumanni) overwintering in Africa*. *Biologica y Conservacion de las Repaces Mediterraneas* 1994: 138-149.

### **Verrigtinge nasionaal/Proceedings national**

DIENER T. *A study to investigate the management of tuberculosis patient treatment and contact prophylaxis in child day care facilities and schools in*

*the Cape Town Metropolitan area. Verrigtinge van die "CHASA in Action" Konferensie. Sun City, 1996; CHASA Journal of Comprehensive Health 1996; 7(1): 48-56.*

## **Referate internasionaal/Papers international**

BENADÉ JG. *An analysis of DTP associated reactions by manufacturer, batch, vaccinator, series number and infant weight.* 14th Conference of the Epidemiological Society of Southern Africa (ESSA). Harare, Zimbabwe, 1995.

BENADÉ JG. *Iodine deficiency disorders in a rural community of KwaZulu-Natal.* 14th Conference of the Epidemiological Society of Southern Africa (ESSA). Harare, Zimbabwe, 1995.

DIENER T. *Follow-up survey after the introduction of a smoking policy in the Health Department of the Cape Town City Council.* 14th Conference of the Epidemiological Society of Southern Africa (ESSA). Harare, Zimbabwe, 1995.

DIENER T. *Follow-up survey amongst the female employees of the Health Department of the Cape Town City Council after the introduction of a smoking policy.* 23rd International Conference of the Medical Women's International Association. The Hague, The Netherlands, 1995.

VOOGHT MTR. *The development, implementation and evaluation of an anticipated recovery pathway for laparoscopic cholecystectomy at Tygerberg Hospital.* 14th Conference of the Epidemiological Society of Southern Africa (ESSA). Harare, Zimbabwe, 1995.

WHITTAKER S. *Using accreditation as a means of establishing quality in health care systems.* International Executive Communications Conference. Johannesburg, 1995.

## **Referate nasionaal/Papers national**

BENADÉ JG. *An analysis of DTP associated reactions by manufacturer, batch, vaccinator, series number and infant weight.* 39th Academic Year Day of the Faculty of Medicine, University of Stellenbosch. Tygerberg, 1995.

BENADÉ JG. *Iodine deficiency disorders in a rural community of KwaZulu-Natal.* 39th Academic Year Day of the Faculty of Medicine, University of Stellenbosch. Tygerberg, 1995.

DE VILLIERS B. *How the interaction of safety, health and environment enhances productivity.* NOSHCON '95, National Occupational Safety Association (NOSA) of South Africa. Johannesburg, 1995.

DE VILLIERS B. *Occupational health as integral part of the Reconstruction and Development Programme.* NOSHCON '95, National Occupational Safety Association (NOSA) of South Africa. Johannesburg, 1995.

DE VILLIERS B. *The Occupational Health Centre. Should it also provide primary health care and be on site?* Kongres van die Suid-Afrikaanse Vereniging vir Bedryfsgeneeskunde, "Health at Work Week". Bellville, 1996.

DE VILLIERS B. *The role of the district health authority in occupational health.* Annual General Meeting of the Boland Public Health Advisory Board. Porterville, 1995.

DIENER T. *Follow-up survey after the introduction of a smoking policy in the Health Department of the Cape Town City Council*. 39th Academic Year Day of the Faculty of Medicine, University of Stellenbosch. Tygerberg, 1995.

ENGELBRECHT JE, MARITZ FJ, BURGESS LJ, WEICH HFH, BARNES JM, TALJAARD JJF. *The influence of Apo(a) levels on the success of thrombolysis with streptokinase during acute myocardial infarction*. 4th Congress of the Lipid and Atherosclerosis Society of Southern Africa (LASSA). Durban, 1996.

STEYN J, MARITZ FJ, BURGESS LJ, BARNES JM, WEICH HFH, HOUGH FS, TALJAARD JJF. *The lipid and lipoprotein profile in a group of uncontrolled female Type II diabetics at Tygerberg Hospital*. 32nd Congress of the Society for Endocrinology, Metabolism and Diabetes of Southern Africa (SEMDSA). Durban, 1996.

THÜNEMANN TY, DE VILLIERS PJT, BARNES JM. *The presentation, diagnostic criteria and management regimen of depression in patients seen in a sentinel network of general practitioners - a report by SASPREN*. 40ste Akademie Jaardag van die Fakulteit Geneeskunde, Universteit van Stellenbosch. Tygerberg, 1996.

### **Magister afgehandel/Master's completed**

BARNES JM. *Occupational health aspects of deciduous fruit farm workers in certain areas of the Western Cape exposed to agricultural pesticide spray materials*. M.Sc. in Geneesk. Wet. (Epidemiologie) cum laude, 1995. 171 pp. Studieleier/medestudieleier: Dr B de Villiers/dr G Müller.

BENADÉ JG. *An analysis of DPT associated reactions by manufacturer, batch, vaccinator, series number and infant weight*. M.Med., 1995. 14 pp. Studieleier: Dr B de Villiers.

DIENER T. *Base-line and follow-up study after the introduction of a smoking policy in the Health Department of the Cape Town City Council*. M.Med., 1995. 200 pp. Studieleier: Dr B de Villiers.

MOHAMMED A. *Epidemiological study of contacts of tuberculosis patients*. M.Sc. in Geneesk. Wet. (Epidemiologie), 1995. 200 pp. Studieleier: Dr B de Villiers.

MOODLEY K. *Constraints facing the female medical practitioner in private practice in the Western Cape*. M.Fam.Med. cum laude, 1996. Studieleier: Mev JM Barnes.

VOOGHT MTR. *The development, implementation and evaluation of an anticipated recovery pathway for laparoscopic cholecystectomy at Tygerberg Hospital*. M.Med., 1995. 60 pp. Studieleier: Dr B de Villiers.

### **Projekte afgehandel/Projects completed**

BENADÉ JG. *An analysis of DTP-associated reactions by manufacturers, batch, vaccinator, series number and infant weight*.

BENADÉ JG. *A baseline survey of workplaces where TB patients receive supervised treatment*.

BENADÉ JG. *Endemic goitre in a rural community of KwaZulu/Natal.*

BENADÉ JG. *Evaluation of the school health screening programme for Sub A's in the Cape Metropole and the rural Western Cape.*

BENADÉ JG. *Hepatitis B immunisation coverage of pre-clinical medical students at Tygerberg Hospital.*

BENADÉ JG. *The type and incidence of adverse events following immunisation with SAIMR/DWT and Merieux/DWT in 6 clinics.*

BENADÉ JG. *A survey of perceptions regarding participative management in the Department of National Health, Western Cape.*

DE VILLIERS B. *Profile of absenteeism in workers with chronic respiratory problems.*

DIENER T. *Compliance among children in creches and schools (Cape Town Metropole) who receive prophylactic or therapeutic treatment for Tuberculosis.*

DIENER T. *A study to determine the ability of heads of child day care facilities in the Cape Town Metropolitan area to identify, manage and prevent infectious diseases among children in these facilities.*

DIENER T. *A study to determine the incidence of acute flaccid paralysis among children admitted to the Tygerberg Hospital during the period January 1989 to December 1993.*

KWAW WB. *Sale of certified raw milk. Literature review and situational analysis - Western Cape Regional Services Council.*

## **Projekte lopend/Projects current**

BENADÉ JG. *Micronutrient deficiency in a rural community of Kwazulu-Natal. A survey and intervention study.*

GARTRELL K, DE VILLIERS B, HATFILL S, BENADÉ JG. *Epidemiological study of serious haematological diseases in the Pofadder area.*

DE VILLIERS B. *A generic co-ordination programme for the management of health care for radiation casualties.* M.D. Promotor: Prof BJ Smit.

DE VILLIERS B, BENADÉ JG. *Analise van sputumsitologie data van Rössing Uraanmyn.*

DE VILLIERS PJT. *The development and evaluation of the methodology of a passive health surveillance system through a sentinel network of general/family practitioners in South Africa.* Ph.D. Promotor: Dr B de Villiers.

PIEPER CH. *The epidemiological profile of neonatal intensive care provided by the Tygerberg Neonatal Intensive Care Unit.* M.Sc. in Geneesk. Wet. (Epidemiologie). Magister studieleier: Dr B de Villiers.

WHITTAKER S. *Research and development programme aimed at establishing a quality assessment instrument for measuring the effectiveness and efficiency of health care delivery.*

WIESE NJJ. *'n Epidemiologiese studie van intestinale parasiete in plakkersgemeenskappe in die suidwes-Kaap.* Magister medestudieleier: Mev JM Barnes.

**geneeskundige biochemie  
(Waarby ingesluit die Sentrum vir Molekulêre  
en Sellulêre Biologie) /  
medical biochemistry  
(Including the Centre for Molecular and Cellular Biology)**

**Tydskrifartikels/Journal articles**

BEYERS AD, DONALD PR, EHLERS MRW, MIZRAHI V, STEYN L, VAN HELDEN PD. Action TB and tuberculosis research: the way forward. *South African Medical Journal* 1996: 86: 30-33.

BEYERS N, GIE RP, ZIETSMAN HL, HAUMAN J, KUNNEKE M, TATLEY M, DONALD PR. The use of geographic information system (GIS) to evaluate the distribution of tuberculosis in a high incidence community. *South African Medical Journal* 1996: 86: 40-44.

BÖHM L, HOFFMANN H, BELLSTEDT D, CHERRY M, CORFIELD V, GREENBERG J, QHOBELA M, HENDRICKS D, KIDSON S, LITTLEJOHN G, MADIKIZELA M, SWART P. Recommendations for biology courses and training. *Suid-Afrikaanse Tydskrif vir Wetenskap* 1996: 91: 67.

BRINK AJ, CASSIM S, BRINK PA, GREGORY MA, NAIDOO DP, SEEDAT YK, MOTYER R, DESAI DK. Myocardial hypertrophy - Part I. *Cardiovascular Journal of Southern Africa* 1996: 86: C40-C48.

BRINK AJ, CASSIM S, BRINK PA, GREGORY MA, NAIDOO DP, SEEDAT YK, MOTYER R, DESAI DK. Myocardial hypertrophy - Part II. *Cardiovascular Journal of Southern Africa* 1996: 86(2): C104-C110.

BRINK P. Left ventricular hypertrophy. *Cardiovascular Journal of Southern Africa* 1996: 86: C5-C6.

CORBETT C, BRINK P. Long QT syndrome, cardiac ion channels and sudden death. *Hospital Update 6: Specialist Focus Journal* 1996: 1(7): 2-5.

DE JAGER T, CORBETT C, BADENHORST J, BRINK P, CORFIELD V. Chromosome 11-linked LQT in South Africa: evidence of a founder gene with varying phenotypic expression. *Journal of Medical Genetics* 1996: 33: 567-573.

IREDALE JP, BENYON C, ARTHUR MJP, FERRIS WF, ALCOLADO R, WINWOOD PJ, CLARK N, MURPHY G. Tissue inhibitor of metalloproteinase-1 messenger RNA expression is enhanced relative to

interstitial collagenase messenger RNA in experimental liver injury and fibrosis. *Hepatology* 1996; 24: 176-184.

JORDAAN HF, SCHNEIDER JW, SCHAAF S, VICTOR TC, GEIGER DH, VAN HELDEN PD, ROSSOUW DJ. Papulonecrotic tuberculid in children: a report of 8 patients. *American Journal of Dermatopathology* 1996; 18: 172-185.

LEWIS L-A, VICTOR T, HOAL-VAN HELDEN E, BLACKWELL J, DA SILVA-TATLEY F, TULLETT S, EHLERS M, BEYERS N, DONALD P, VAN HELDEN PD. Identification of a C to T mutation at position -236bp in the human NRAMP1 gene promoter. *Immunogenetics* 1996; 44: 309-311.

MOOLMAN-SMOOK JC. Report on the 4th World Congress on Heart Failure - Mechanisms and Management. *Cardiovascular Journal of Southern Africa* 1996; 5: C271-C275.

PRETORIUS GS, SIRGEL FA, SCHAAF HS, VAN HELDEN PD, VICTOR TC. Rifampicin resistance in *Mycobacterium tuberculosis*: rapid detection and implications in chemotherapy. *South African Medical Journal* 1996; 86: 50-55.

RICKETTS MH, DURRHEIM GA, NORTH HM, VAN DER MERWE MJ, LEVINSON AD. Positive and negative modulation of H-ras transforming potential by mutations of phenylalanine-28. *Molecular Biology Reports* 1996: 1-9.

VAN HELDEN P, VAN HELDEN E. TB: New Tools for an old Scourge. *Africa Health* 1996; 19: 24.

VAN VOLLENHOVEN P, HEYNS CF, DE BEER PM, WHITAKER P, VICTOR T, VAN HELDEN PD. Polymerase chain reaction in the diagnosis of urinary tract tuberculosis. *Urological Research* 1996; 24: 107-111.

VICTOR TC, JORDAAN AM, VAN SCHALKWYK E, COETZEE GJ, VAN HELDEN PD. Strain-specific variation in the dnaJ gene of Mycobacteria. *Journal of Medical Microbiology* 1996; 44: 332-339.

VICTOR TC, PRETORIUS GS, FELIX JV, JORDAAN AM, VAN HELDEN PD, EISENACH KD. katG mutations in isoniazid-resistant strains of *Mycobacterium tuberculosis* are not infrequent. *Antimicrobial Agents and Chemotherapy* 1996; 40: 1572.

WANG Q, DE JAGER T, et al. Positional cloning of a novel potassium channel gene: KVLQT1 mutations cause cardiac arrhythmias. *Nature Genetics* 1996;12:17-23.

WARREN R, HAUMAN J, BEYERS N, RICHARDSON M, SCHAAF HS, DONALD P, VAN HELDEN PD. Unexpectedly high strain diversity of *Mycobacterium tuberculosis* in a high-incidence community. *South African Medical Journal* 1996; 86: 45-49.

WARREN R, HAUMAN J, BEYERS N, RICHARDSON M, SCHAAF HS, DONALD P, VAN HELDEN PD. Unexpectedly high strain diversity of *Mycobacterium tuberculosis* in a high-incidence community. *South African Medical Journal* 1996; 86: 848.



WARREN R, RICHARDSON M, SAMPSON S, HAUMAN HJ, BEYERS N, DONALD P, VAN HELDEN PD. Genotyping of *M.tuberculosis* with additional markers enhances accuracy in epidemiological studies. *Journal of Clinical Microbiology* 1996; 34: 2219-2224.

WERELY CJ, HEYNS, CF, VAN VELDEN DJJ, VAN HELDEN PD. DNA fingerprint detection of somatic mutations in benign prostatic hyperplasia and prostatic adenocarcinoma. *Genes, Chromosomes and Cancer* 1996; 17: 31-36.

### **Verrigtinge internasionaal/Proceedings international**

EPPLEN JT, SANTOS EJM, MÄUELER W, ROUSSEAU J, VAN HELDEN PD, EPPLEN C. *Simple repetitive DNA sequences: Junk, Tools, or More?* Promega Conference Proceedings. 1996.

### **Referate internasionaal/Papers international**

BOURN W, HARRINGTON A, WIID I, BRADLEY G, VAN HELDEN PD. *An O<sup>6</sup>-methylguanine methyltransferase of Mycobacterium tuberculosis: DNA sequence and genetic organisation.* Glaxo-Wellcome Action TB Meeting. Stevenage, UK. 1996.

BROWN GD, NANO FE, DORAN JL, BEYERS AD. *Identification of novel genes encoding proteins secreted by Mycobacterium tuberculosis.* Glaxo-Wellcome Action TB Meeting. Stevenage, UK. 1996.

DENNEHY KM, BROSZEIT R, BEYERS AD. *Interaction of CD5 with the T cell antigen receptor and with intracellular signal transducing molecules.* The First UK-RSA Symposium on "Cell Growth Control". Cape Town, 1996.

DENNEHY KM, BROSZEIT R, BEYERS AD. *Molecular interactions of CD5, a molecule that downregulates signalling in T-cells.* Glaxo-Wellcome Action TB Meeting. Stevenage, UK. 1996.

DENNEHY KM, BROSZEIT R, DURRHEIM GA, HEWSON A, SPRUYT LL, BEYERS AD. *Direct association of phosphatidylinositol 3-kinase with CD5 following thymocyte stimulation.* The First UK-RSA Symposium on "Cell Growth Control". Cape Town, 1996.

DORAN JL, ALISON JM, PANG Y, VICTOR TC, MDLULI KE, STOKES RW, MEBENTHIRATINGAM E, BUTT JL, TREIT JD, VAN HELDEN PD, ROBERTS MC, NANO FE. *Mycobacterium tuberculosis efpA encoding a putative efflux protein of the QacA drug resistance transporter family.* Canadian Bacterial Disease Conference. Canada, 1996.

DURRHEIM GA, DENNEHY KM, GARNETT D, BROSZEIT R, BEYERS AD. *Association of Vav with kinases and kinase substrates in thymocytes.* The First UK-RSA Symposium on "Cell Growth Control". Cape Town, 1996.

GARNETT D. *Signal transduction by glycolipid-anchored receptors: rafts or bridges?* The First UK-RSA Symposium on "Cell Growth Control". Cape Town, 1996.

MOOLMAN-SMOOK JC, POSEN B, NGUMBELA K, WATKINS H, BRINK P, CORFIELD V. *Sarcomere protein-encoding gene mutation and sudden death in South African HCM.* 4th World Congress on Heart Failure. Israel, 1996.

PARKIN DP, VANDENPLAS S, VANDENPLAS ML, BOTHA FJH, SEIFART HI, VAN DER WALT B, VAN JAARVELD PP, DONALD PD, VAN HELDEN PD. *Evidence for the trimodal metabolism of isoniazid by genotype and phenotype analysis of patients receiving treatment for tuberculosis*. Third International Conference on the Pathogenesis of Mycobacterial Infections. Saltsjöbaden, Stockholm, Sweden, 1996.

SAMPSON S, RICHARDSON M, WARREN R, HAUMAN J, VAN HELDEN PD. *IS6110 insertions in Mycobacterium tuberculosis: are they site-directed?* Glaxo-Wellcome Action TB Meeting. Stevenage, UK, 1996.

VAN HELDEN PD. *Alkylation repair in human cancer*. Pan African Environmental Mutagen Society Meeting. Cape Town, 1996.

VAN HELDEN PD. *Dynamics of Tuberculosis in a high-incidence community*. Glaxo-Wellcome Action TB Meeting. Stevenage, UK, 1996.

VAN HELDEN PD. *Mycobacterium tuberculosis strains: Diversity and population dynamics*. Pan-African Conference on Biochemistry and Molecular Biology. Nairobi, Kenya, 1996.

VAN HELDEN PD. *SA as a network partner in biomedical R & D*. Biomedical Opportunities in Developing Countries (organized by Oxford International Biomedical Centre). Oxford, UK, 1996.

VAN HELDEN PD. *TB in a high-risk community: What can we learn?* Acid Fast Club Meeting. Stevenage, UK, 1996.

VAN HELDEN PD. *TB in a high-risk community: What can we learn?* 7th International Congress for Infectious Disease. Hong Kong, 1996.

VAN HELDEN PD et al. *TB: Host genetics in susceptibility and treatment*. Glaxo-Wellcome Action TB Meeting. Stevenage, UK, 1996.

VICTOR TC. *DNA methods in detection of drug-resistant M.tuberculosis*. Programming Seminar on the use of biological techniques for diagnosis and control of communicable diseases in Africa. Nairobi, Kenya, 1996.

VICTOR TC. *DNA methods in the study of communicable diseases*. Programming Seminar on the use of biological techniques for diagnosis and control of communicable diseases in Africa. Nairobi, Kenya, 1996.

VICTOR TC, FELIX JV, SIRGEL F, WARREN R, VAN HELDEN PD. *Mechanisms of drug resistance in clinical isolates of Mycobacterium tuberculosis*. IBC's Biennial International Conference on Mycobacterial infection. Washington, DC, 1996.

VICTOR TC, FELIX JV, SIRGEL F, WARREN R, VAN HELDEN PD. *Molecular basis of drug resistance in bacteria, parasites and fungi. Mechanisms of drug resistance in clinical isolates of Mycobacterium tuberculosis*. Keystone Symposium. Park City, Utah, 1996.

VICTOR TC, SIRGEL FA, RICHARDSON M, FELIX JV, WARREN R, SCHAFF HS, DONALD PR, VAN HELDEN PD. *Phenotypic and genotypic characterization of drug resistance in tuberculosis*. Glaxo-Wellcome Action TB Meeting. Stevenage, UK, 1996.

VICTOR TC, SIRGEL FA, RICHARDSON M, FELIX JV, WARREN R, SCHAAF HS, DONALD PR, VAN HELDEN PD. *Phenotypic and genotypic characterization of drug resistance in tuberculosis*. Third International Conference on the Pathogenesis of Mycobacterial Infections. Saltsjöbaden, Stockholm, Sweden, 1996.

WARREN R, RICHARDSON M, HAUMAN J, SAMPSON S, BEYERS N, DONALD P, VAN HELDEN PD. *The molecular epidemiology of Mycobacterium tuberculosis - a study of disease dynamics in a high-incidence community*. Glaxo-Wellcome Action TB Meeting. Stevenage, UK, 1996.

WARREN R, RICHARDSON M, HAUMAN J, SAMPSON S, BEYERS N, DONALD P, VAN HELDEN PD. *The molecular epidemiology of Mycobacterium tuberculosis - a study of disease dynamics in a high-incidence community*. Third International Conference on the Pathogenesis of Mycobacterial Infections. Saltsjöbaden, Stockholm, Sweden, 1996.

WARREN RM, RICHARDSON M, HAUMAN JH, SAMPSON S, BEYERS N, DONALD P, VAN HELDEN PD. *Mycobacterium tuberculosis strains: Diversity and population dynamics*. Glaxo-Wellcome Action TB Meeting. Stevenage, UK, 1996.

## Referate nasionaal/Papers national

BEYERS N, GIE RP, WARREN R, HAUMAN J, VAN HELDEN P, ZIETSMAN L, DONALD PR. *The distribution and spread of tuberculosis in a community with a high incidence of tuberculosis*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

BEYERS N, GIE RP, WARREN R, HAUMAN J, VAN HELDEN P, ZIETSMAN L, DONALD PR. *The distribution and spread of tuberculosis in a community with a high incidence of tuberculosis*. XIIIth SA Pulmonology Society Congress. Wilderness, 1996.

BROWN GD, BEYERS AD. *Identification of novel genes encoding proteins secreted by Mycobacterium tuberculosis*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

CORBETT C, CORFIELD V, DE JAGER T, BRINK P. *Average QTc (aQTc) and QTc dispersion (dQTc) in assessing prognosis and response to treatment in LQTS*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

DE JAGER T, CORBETT CH, BADENHORST JCW, BRINK PA, CORFIELD VA. *A mutation in a novel potassium channel gene, KVLQT1, causes long QT syndrome in 5 South African families*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

DENNEHY KM, BROSZEIT R, DURRHEIM GA, HEWSON A, SPRUYT LL, BEYERS AD. *Association of phosphatidylinositol 3-kinase with CD5 following thymocyte stimulation*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

GAMIELDIEN W, VICTOR T, VAN HELDEN PD, MUGWANYA D, STEPIEN A, GELDERBLUM WCA, MARASAS WFO. *p53 and p16 gene mutations in oesophageal tumours from high-incidence areas in South Africa*. 40ste

Akademie Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

LEWIS L-A, VICTOR TC, HOAL-VAN HELDEN EG, BLACKWELL JM, DA SILVA-TATLEY F, TULLETT S, EHLERS M, BEYERS N, DONALD P, VAN HELDEN PD. *The human NRAMP1 gene - a candidate for susceptibility to M.tuberculosis*. 40ste Akademie Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

LOUW JH, WRANZ PAB, BURGESS L, VICTOR T, PRETORIUS J, DOUBELL AA. *Optimalisering van die diagnostiese protokol in vermoedelik tuberkulose (TB) perikardiale effusies*. 40ste Akademie Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

MOOLMAN-SMOOK J, POSEN B, NGUMBELA K, WATKINS H, BRINK P, CORFIELD V. *Sarcomere protein-encoding gene mutations and sudden death in South African FHC*. 40ste Akademie Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

SHORT S, NGUMBELA K, HOUGH S, NGUMBELA N, BRINK P, CORFIELD VA. *Search for NIDDM susceptibility genes in South African population groups*. 40ste Akademie Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

SMITH J, GROBLER-RABIE A, GEERTS L, SCHNEIDER JW. *Quantitative aspects of lung growth: autopsy and biochemical findings in infants after pregnancy complicated by abnormal velocity waveforms in the umbilical artery*. 40ste Akademie Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

VICTOR TC. *Drug resistance in M.tuberculosis*. Abbott Diagnostics MTB Workshop. Green Point, 1996.

VICTOR TC, DOWDLES DR, JORDAAN AM, VAN HELDEN PD. *Reliability of PCR amplification for detection of M.tuberculosis: an international collaborative study among 30 laboratories*. 40ste Akademie Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

VICTOR TC, PRETORIUS GS, FELIX J, WARREN R, RICHARDSON M, BUTT J, SCHAAF S, DONALD P, SIRGEL F, VAN HELDEN PD. *Molecular mechanisms of drug resistance in M.tuberculosis*. 40ste Akademie Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

WARREN R, RICHARDSON M, HAUMAN J, SAMPSON S, BEYERS N, DONALD P, VAN HELDEN PD. *The molecular epidemiology of Mycobacterium tuberculosis - a study of disease dynamics in a high-incidence community*. 40ste Akademie Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

### **Magister afgehandel/Master's completed**

BROSZEIT R. *Molecular interactions mediated by the surface antigen CD5 during T lymphocyte activation*. M.Sc., 1996. 154 pp. Studieleier: Prof AD Beyers.

## Projekte lopend/Projects current

BEYERS AD, SPRUYT LL. *Seinoordrag in T-limfosiete. Bakteriële uitdrukkingstelsels.*

BRINK PA, CORFIELD VA. *Progressiewe familiële hartblok, HCM, lang QT sindroom.*

VAN HELDEN PD. *Genetiese letsels in kankers. DNA alkilering in die behandeling en ontwikkeling van kanker. DNA vingerafdrukke en toepassings. Ontwikkeling van PKR as tegniek vir diagnose van infeksiesiektes. Molekulêre biologie en tuberkulose.*

## geneskundige fisiologie / medical physiology

### Tydskrifartikels/Journal articles

DANIELS WMU, VAN RENSBURG SJ, VAN ZYL JM, VAN DER WALT BJ, TALJAARD JJF. Free radical scavenging effects of melatonin and serotonin: possible mechanism. *NeuroReport* 1996; 7: 1593-1596.

HUISAMEN B, ELLIS E, VAN DYK M, LOCHNER A. Characterization of inositolpolyphosphate binding to myocardial membranes. *Molecular and Cellular Biochemistry* 1996; 162: 1-9.

HUISAMEN B, LOCHNER A. Inositolpolyphosphates and their binding proteins - a short review. *Molecular and Cellular Biochemistry* 1996; 157: 229-232.

LOCHNER A, PENTZ A, WILLIAMS K, TROMP E, HARPER IS. Substrate effects on sarcolemmal permeability in the normoxic and hypoxic perfused rat heart. *Basic Research in Cardiology* 1996; 91: 64-78.

LOCHNER A, TROMP E, MOUTON R. Signal transduction in myocardial ischaemia and reperfusion. *Molecular and Cellular Biochemistry* 1996; 160/161: 129-136.

MOOLMAN JA, GENADE S, TROMP E, LOCHNER A. A comparison between ischemic preconditioning and anti-adrenergic interventions: cAMP, energy metabolism and functional recovery. *Basic Research in Cardiology* 1996; 91: 219-233.

MOOLMAN JA, GENADE S, TROMP E, LOCHNER A. No evidence for mediation of ischemic preconditioning by alpha<sub>1</sub>-adrenergic signal transduction pathway or protein kinase C in the isolated rat heart. *Cardiovascular Drugs and Therapy* 1996; 10: 125-136.

### Referate internasionaal/Papers international

KOESLAG JH. *Glucose homeostasis with infinite gain: further lessons from the Daisyworld Parable.* Geophysiological Society: Gaia in Oxford II. Oxford, 1996.

KOESLAG JH. *The mechanism of speciation.* 15th Meeting of the Willi Hennig Society. Cape Town, 1996.

LOCHNER A. *Signal transduction in the postischaemic myocardium*. Cell Growth Control Congress. Cape Town, 1996.

## Referate nasionaal/Papers national

BRAND EJ, LOCHNER A. *Ischaemic preconditioning: the role of calcium and inositoltrisphosphate*. 24th Annual Congress of the Physiology Society of Southern Africa. Newlands, 1996.

COLESKY FJ, LOCHNER A. *The effect of a calcium sensitizing agent, Levosimendan, on the post-cardioplegic inotropic response of the myocardium*. 24th Annual Congress of the Physiology Society of Southern Africa. Newlands, 1996.

COLESKY FJ, LOCHNER A. *Die effek van 'n kalsium-sensitiseerder, levosimendan, op die post-kardioplegiese inotrope respons van die hart*. 40th Academic Year Day of the Faculty of Medicine, University of Stellenbosch. Tygerberg, 1996.

DANIELS WMU, VAN RENSBURG SJ, REITER R, TALJAARD JJF. *Melatonin as a free radical scavenger*. 1st Biennial Congress of the Sleep Society of South Africa. Johannesburg, 1996.

DANIELS WMU, VAN RENSBURG SJ, REITER R, TALJAARD JJF. *Melatonin as a free radical scavenger*. 36th Congress of the Federation of South African Societies of Pathology. Mpumalanga, 1996.

DANIELS WMU, VAN RENSBURG SJ, REITER R, TALJAARD JJF. *Melatonin: miracle or menace*. USNC/IBRO/SANS Lecture Course in Neuroscience. Grahamstown, 1996.

DENNEHY KM, BROSZEIT R, DURRHEIM GA, HEWSON A, SPRUYT LL, BEYERS AD. *Association of phosphatidylinositol-3-kinase with CD5 following thymocyte stimulation*. 40th Academic Year Day of the Faculty of Medicine, University of Stellenbosch. Tygerberg, 1996.

DEVINE JJ, BOUIC PJD.  *$\beta$ -Sitosterol: an anti-apoptotic agent*. 24th Annual Congress of the Physiology Society of Southern Africa. Newlands, 1996.

DU TOIT DF, HEYDENRYCH JJ, FOURIE P, BRUCE LD, COLESKY FJ, COOPER T, ZUURMOND T, CHASE C, MOUTON Y, WRANZ PAB. *Immune-modulation by UV-B light, donor specific blood transfusion (DST): experimental renal allotransplantation studies*. 40th Academic Year Day of the Faculty of Medicine, University of Stellenbosch. Tygerberg, 1996.

HARPER IS, WILLIAMS K, UPTON J, SALIE R, LOCHNER A. *Strategies for calcium analysis in cardiac myocytes using confocal microscopy: scanning modes and fluophore colocalisation*. Electron Microscopy Society of South Africa. Durban, 1996.

HUISAMEN B, VAN DYK M, LOCHNER A. *The effect of glibenclamide on the glucose transporter, GLUT-4 in the myocardium*. 20th Biennial Meeting of the South African Cardiac Society. Wild Coast, 1996.

HUISAMEN B, VAN DYK M, LOCHNER A. *The effect of glibenclamide and ischaemia on the glucose transporter, GLUT-4, in the rat myocardium*. 24th

Annual Congress of the Physiology Society of Southern Africa. Newlands, 1996.

HUISAMEN B, VAN DYK M, LOCHNER A. *Effek van glibenklamied op die glukose transporter, GLUT4, in die rot miokardium.* 40th Academic Year Day of the Faculty of Medicine, University of Stellenbosch. Tygerberg, 1996.

JACOBS C, TERBLANCHE E, SOLOMON CT. *The intensity of effort of cyclists during typical, daily cycling exercise in the laboratory.* 24th Annual Congress of the Physiology Society of Southern Africa. Newlands, 1996.

KOESLAG JH. *Glucose homeostasis with infinite gain: an application of the Daisyworld Parable.* Keynote address: 24th Annual Congress of the Physiology Society of Southern Africa. Newlands, 1996.

LOCHNER A, TROMP E, GENADE S, MOOLMAN J. *Ischaemic preconditioning: an anti-adrenergic phenomenon.* 24th Annual Congress of the Physiology Society of Southern Africa. Newlands, 1996.

LOCHNER A, TROMP E, GENADE S, MOOLMAN J. *Preconditioning reduces the beta-adrenergic response to myocardial ischaemia.* 20th Biennial Meeting of the South African Cardiac Society. Wild Coast, 1996.

LOCHNER A, TROMP E, GENADE S, MOOLMAN J. *Prekondisionering beskerm die isgemiese miokardium deur inhibisie van die beta-adrenerge respons.* 40th Academic Year Day of the Faculty of Medicine, University of Stellenbosch. Tygerberg, 1996.

PAGE C, LOCHNER A, BESTER C, DOUBELL A. *Kinase mediated adaptive response of the cardiac myocyte to ischaemia and reperfusion.* 20th Biennial Meeting of the South African Cardiac Society. Wild Coast, 1996.

SOLOMON CT, TERBLANCHE E, JACOBS C. *The maximal exercise response of cyclists during incremental and free range exercise in the laboratory.* 24th Annual Congress of the Physiology Society of Southern Africa. Newlands, 1996.

TERBLANCHE E. *New insights into physiological exercise testing.* Biennial Congress of the Southern African Federation for Movement and Recreational Sciences. Stellenbosch, 1996.

TERBLANCHE E, WESSELS JA. *The blood lactate profile of cyclists during incremental and free range exercise in the laboratory.* 24th Annual Congress of the Physiology Society of Southern Africa. Newlands, 1996.

VAN DYK M, HUISAMEN B, LOCHNER A. *A comparative study of insulin and  $\beta$ -adrenergic stimulation on glucose transport and the GLUT-4 protein in the myocardium of insulin independent diabetes mellitus and control subjects.* 24th Annual Congress of the Physiology Society of Southern Africa. Newlands, 1996.

VAN DYK M, HUISAMEN B, LOCHNER A. *'n Vergelykende studie van insulien en die beta-adrenerge stimulasie op glukose transport en die GLUT 4-proteïen in miokardium van insulienonafhanklike diabetes mellitus en kontrole rotte.* 40th Academic Year Day of the Faculty of Medicine, University of Stellenbosch. Tygerberg, 1996.

## Doktoraal afgehandel/Doctoral completed

TERBLANCHE E. *New insights into stochastic exercise testing*. Ph.D., 1996. 315 pp. Promotor/medepromotor: Dr RI Stewart/prof JH Koeslag.

## geneeskundige mikrobiologie / medical microbiology

### Tydskrifartikels/Journal articles

BEUKES JM. Once daily aminoglycoside. *Medical Technology SA* 1995; 9(2): 175-179.

DONALD PR, COTTON MF, HENDRICKS MK, SCHAAF HS, DE VILLIERS JN, WILLEMSE TE. Pediatric meningitis in the Western Cape Province of South Africa. *Journal of Tropical Pediatrics* 1996; 42: 256-261.

HENDRICKS MK, SENEKAL M. Community-acquired *Pseudomonas aeruginosa* infection in an infant. *Annals of Tropical Paediatrics* 1996; 16: 203-206.

HUGO FJ, HALLAND AM, SPANGENBERG JJ, WHITELAW DA, RICKMAN RC, HEWLETT RH, REID J, MARITZ JS, EMSLEY RA. DSM-III-R Classification of Psychiatric Symptoms in Systemic Lupus Erythematosus. *Psychosomatics* 1996; 37(3): 262-269.

SCHAAF HS, NEL ED, BEYERS N, GIE RP, SCOTT F, DONALD PR. A decade of experience with *Mycobacterium tuberculosis* culture from children; a seasonal influence of childhood tuberculosis. *Tubercle and Lung Disease* 1996; 77: 43-46.

SPENCER JA, BOUIC PD, ESPIE I, COLLY L. A comparison between T-helper (CD4) and T-suppressor (CD8) cell ratios in FIV positive and negative lions *Panthera leo* and domestic cats *Felis catus*. *South African Journal of Wildlife Research* 1995; 25(3): 111-112.

VAN RENSBURG EJ, RAUBENHEIMER EJ, VAN HEERDEN WFP, JOUBERT JJ. Prevalence of certain viral infections in the population of the Kalahari Gemsbok National Park. *The South African Journal of Epidemiology and Infection* 1995; 10(3): 77-78.

### Verrigtinge internasionaal/Proceedings international

JOUBERT JJ, VAN RENSBURG EJ, SCHUTTE CHJ, WASSERMAN E. *Possible simultaneous transmission of Borrelia duttonii and Hepatitis B virus in Namibia*. Proceedings First International Congress of Parasitology and Tropical Medicine. Malaysian Society of Tropical Medicine. Kuala Lumpur, 1995: 160-163.

VAN RENSBURG EJ, JOUBERT JJ, SWANEVELDER C, STEFFEN DS. *Serological markers of HIV, HTLV and HCV in the population of Swaziland*. Proceedings First International Congress of Parasitology and Tropical Medicine. Malaysian Society of Tropical Medicine. Kuala Lumpur, 1995: 205-206.



WASSERMAN E, YEATS J, VAN RENSBURG EJ, SCHUTTE CHJ, SENEKAL MJ, JOUBERT JJ. *A sero-epidemiological survey of various infectious diseases occurring in the Cuando area, East Caprivi*. Proceedings First International Congress of Parasitology and Tropical Medicine. Malaysian Society of Tropical Medicine. Kuala Lumpur, 1995: 195-196.

### **Referate internasionaal/Papers international**

BATES WD, MULLER N, VAN BUUREN AJ, GEIGER DH, MOOSA MR, JOUBERT JJ. *Membranous glomerulonephritis (MGN) - adult idiopathic compared to HBV associated in children*. 173rd Meeting of the Pathological Society of Great Britain and Ireland. Southampton, UK, 1996.

BEYERS N, GIE PR, BESTER D, COOPER RC, BOUIC PJD, ROOK, GAW, DONALD PR. *Hormonal changes and the regulation of the TH1/TH2 balance in adolescents with tuberculosis*. Third International Conference on the Pathogenesis of Mycobacterial Infections. Stockholm, Sweden, 1996.

BOUIC P, ETSEBETH S, LAMPRECHT J, VAN VUREN J, ALBRECHT C, LIEBENBERG RW, VAN JAARVELD PP. *Hypoxoside as a novel anti-HIV drug: results of a pilot study at Tygerberg Hospital*. IOCD International Symposium on Chemistry, Biological and Pharmacological Properties of African Medicinal Plants. Victoria Falls, Zimbabwe, 1996.

KRIEL JJ, JOUBERT JJ. *Primary health care education: the quest for cultural congruency*. 4th International Congress of Tropical Paediatrics. Kuala Lumpur, Malaysia, 1996.

### **Referate nasionaal/Papers national**

COOPER RC, BOUIC PJD, BEYERS N, GIE RP, DONALD PR. *Flow cytometric analysis of peripheral blood lymphocytes from adolescents with active pulmonary tuberculosis*. Glaxo Action TB Scientific Conference and Workshops. Cape Town, 1996.

COOPER RC, BOUIC PJD, BEYERS N, GIE RP, DONALD PR. *The measurement of serum cytokines in adolescents with pulmonary tuberculosis*. Glaxo Action TB Scientific Conference and Workshops. Cape Town, 1996.

GIE RP, BEYERS N, COOPER RC, BOUIC PJD, DONALD PR. *Investigation into the immune response of children with pulmonary tuberculosis*. Glaxo Action TB Scientific Conference and Workshops. Cape Town, 1996.

KRIEL JD, JOUBERT JJ. *African concepts of helminth infections: An anthropological perspective*. 25th Annual Congress of the Parasitological Society of Southern Africa. Cape Town, 1996.

### **Patente/Patents**

BOUIC PJD, ALBRECHT CFdeV. *Compositions of phytosterols and phytosterolins as immunomodulators*. European Patent No EP 0 509 656 B1, 1996.

BOUIC PJD, ALBRECHT CFdeV. *Method and Compositions for modulating or control of immune responses in humans*. United States Patent No 5,486,510, 1996.

## Projekte lopend/Projects current

BOUIC PJD. *Immune responses of patients receiving intra-vesicular BCG.*

JOUBERT JJ. *Epidemiology of intestinal parasites in children in the south western Cape.*

JOUBERT JJ, STEYN P, KERSTERS K. *Taxonomy and physiology of heparin degrading bacteria.*

JOUBERT JJ, SUPAVEJ S. *Comparative studies on the epidemiology of Campylobacter in South Africa and Thailand.*

RICKMAN R. *Investigations into the cross-reactivity between phospholipid antibodies and brain antigens in SLE patients with cerebral lupus.*

RICKMAN R. *Investigations of complement deficiencies in patients with Meningococcal meningitis.*

RICKMAN RC. *To investigate the significance of autoantibodies to cardiolipin, myelin, neuronal cells and other cell membrane antigens in patients with systemic lupus erythematosus.* Doktorale studieleier: Prof PJD Bouic.

RICKMAN R. *The role of Mycobacterium tuberculosis as an etiological agent for Systemic Lupus Erythematosus.*

WIESE N. *'n Epidemiologiese studie van intestinale parasiete in plakkersgemeenskappe in die suid-wes Kaap.* Magister studieleier: Prof JJ Joubert.

## geneeskundige virologie / medical virology

### Tydskrifartikels/Journal articles

ENGELBRECHT S, VAN RENSBURG EJ, ROBSON BA. Sequence variation and phylogenetic analysis of human and simian T-cell lymphotropic virus type I strains from South Africa. *Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology* 1996; 12: 298-302.

PRETORIUS S, VAN HEERDEN WFP, VAN RENSBURG EJ. Creutzfeldt-Jacob Disease: How does it affect dentistry? *Journal of the Dental Association of South Africa* 1996; 51: 415-416.

VAN RENSBURG EJ, ENGELBRECHT S, BAXTER R. Bias in the assessment of the validity of screening tests. *The South African Journal of Epidemiology and Infection* 1996; 11: 91-92.

VAN RENSBURG EJ, BAXTER R, ENGELBRECHT S. Evaluation of seven commercial assays for the detection of HIV-1/HIV-2 antibodies in 1584 samples from South Africa. *The South African Journal of Epidemiology and Infection* 1996; 11: 48-50.

VAN RENSBURG EJ, ENGELBRECHT S, VAN HEERDEN WFP, RAUBENHEIMER EJ, SCHOUB BD. Human papillomavirus DNA in oral

squamous cell carcinomas from an African population sample. *Anticancer Research* 1996; 16: 969-974.

VAN RENSBURG EJ, RAUBENHEIMER EJ, VAN HEERDEN WFP, JOUBERT JJ. Prevalence of certain viral infections in the population of the Kalahari Gemsbok National Park. *The South African Journal of Epidemiology and Infection* 1995; 10(3): 77-78.

### Referate internasionaal/Papers international

CHEGE GK, MWENDA JM, LANGAT DK, WANGO EO, VAN RENSBURG EJ. *Non-human primate models for AIDS research*. 21st Annual Scientific Conference of Kenya Obstetrical and Gynecological Society. Nairobi, Kenya, 1996.

ENGELBRECHT S, VAN RENSBURG EJ, ROBSON B. *Phylogenetic analysis of human and simian T-cell lymphotropic virus type 1 strains from South Africa*. Xth International Congress of Virology. Jerusalem, Israel, 1996.

VAN HEERDEN WFP, VAN RENSBURG EJ, RAUBENHEIMER EJ, ENGELBRECHT S. *Human papillomavirus (HPV) DNA in oral cancer of a black African population sample*. VIIIth International Congress of the International Association of Oral Pathologists. Toronto, Canada, 1996.

VAN RENSBURG EJ, ENGELBRECHT S, LATEN A, SMITH T-L, BREDELL WJ. *Molecular epidemiology of HIV-1 in Southern Africa over a 10 year period*. Xth International Congress of Virology. Jerusalem, Israel, 1996.

WILLIAMSON C, ENGELBRECHT S, VAN HARMELEN J, VAN RENSBURG EJ, BREDELL W, WOOD R. *Distinct HIV-1 subtypes associated with different risk groups in South Africa*. XIth International Conference on AIDS. Vancouver, Canada, 1996.

### Referate nasionaal/Papers national

ENGELBRECHT S, VAN RENSBURG EJ, LATEN A, SMITH T-L, BREDELL WJ. *Molecular epidemiology of HIV-1 in Southern Africa over a 10 year period*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

ENGELBRECHT S, VAN RENSBURG EJ, ROBSON B. *RFLP analysis and subtyping of human T-cell lymphotropic virus type 1 (HTLV-I) isolates from South Africa*. 36th Congress of the Federation of South African Societies of Pathology (FSASP). Mpumalanga, 1996.

RAUBENHEIMER EJ, VAN HEERDEN WFP, VAN RENSBURG EJ, ENGELBRECHT S. *The incidence of cancer of the oral cavity and pharynx in South Africa*. International Association of Dental Research (SA Division). Johannesburg, 1996.

VAN HEERDEN WFP, VAN RENSBURG EJ, ENGELBRECHT S, RAUBENHEIMER EJ. *p53 Expression and mutations in oral squamous cell carcinoma*. International Association of Dental Research (SA Division). Johannesburg, 1996.

VAN RENSBURG EJ, ENGELBRECHT S, VAN HEERDEN WFP, RAUBENHEIMER EJ. *The prevalence of human papillomavirus DNA in oral*

*carcinomas and normal oral epithelium*. 36th Congress of the Federation of South African Societies of Pathology (FSASP). Mpumalanga, 1996.

VAN RENSBURG EJ, ENGELBRECHT S, VAN HEERDEN WFP, RAUBENHEIMER EJ. *The prevalence of human papillomavirus (HPV) DNA in oral carcinomas (OCCs) and normal oral epithelium*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

### **Projekte afgehandel/Projects completed**

BOUIC PJD, SMITH T-L, ENGELBRECHT S, VAN RENSBURG EJ. *TNF/IL-6/PMA stimulation of ACH-2 and U1 cells*.

MAKUPULA XMS, TREURNICHT F, VAN RENSBURG EJ. *The in vitro effect of root extract preparations, from an unidentified medicinal plant, on HIV-1 replication*.

STANDER T, ENGELBRECHT S. *Evaluation of commercial mycoplasma detection assays*.

TREURNICHT F, VAN RENSBURG EJ. *Investigation of South African plant-derived substances as possible inhibitors of human pathogenic viruses in vitro*.

VAN RENSBURG EJ, BAXTER R, ENGELBRECHT S. *Evaluation of seven commercial assays for the detection of HIV-1/HIV-2 antibodies in 1584 samples*.

### **Projekte lopend/Projects current**

COTTON M, TREURNICHT FK. *Apoptosis and CD<sub>4</sub><sup>+</sup> T-cell lymphopenia in tuberculosis and HIV infection*.

COTTON M, TREURNICHT FK. *Apoptosis in HIV-1 infected children*.

ENGELBRECHT S, LATEN JD, SMITH T-L, VAN RENSBURG EJ. *Molecular epidemiology of Southern African Human Immunodeficiency Virus type 1 (HIV-1) strains*.

ENGELBRECHT S, ROBSON B, VAN RENSBURG EJ. *Molecular characterisation of Southern African Human T-cell Leukemia/Lymphoma Virus type I (HTLV-I) strains*.

ENGELBRECHT S, STANDER T, VAN RENSBURG EJ, MANSVELT E, LOUW I. *Detection of HTLV-I in leukemic/lymphoma patients*.

ENGELBRECHT S, VAN RENSBURG EJ. *Molecular and serological analysis of the gag-encoded p17 gene and protein of Southern African human immunodeficiency virus type 1 (HIV-1) subtypes*.

ENGELBRECHT S, VAN RENSBURG EJ, ROBSON B, SMITH T-L, COTTON M, SCHAAF S. *Investigation of clinical cases of HIV-positive infants with HIV-negative mothers*.

HESELING PB, COTTON M, VAN RENSBURG EJ, WESSELS G, HUGO T, NOVELJIC Z, ANNANDALE C. *A prospective study to determine the significance of viral infections in children with cancer, neutropenia and fever.*

LELO P, TREURNICHT F, BOUIC P, JOUBERT JJ, VAN RENSBURG EJ. *Search for anti-HIV molecules in indigenous plants.*

SMITH T-L. *Neutralization studies using Southern African human immunodeficiency virus type 1 (HIV-1) subtypes B, C & D.* Magister studieleier: Dr S Engelbrecht.

TREURNICHT FK. *An evaluation of the toxic and potential antiviral properties of some plants use by South-Africans for medicinal purposes.* Magister studieleier: Prof EJ van Rensburg.

VAN GREUNEN B, HUGO T, CLAASSEN M, BESTER R, VAN RENSBURG EJ. *Evaluation of direct immunofluorescence for diagnosing respiratory viral infections.*

VAN RENSBURG EJ, ENGELBRECHT S, ROBSON B, MWENDA J, CHEGE GK. *Molecular characterisation of Southern and East African SIV strains.*

VAN RENSBURG EJ, ENGELBRECHT S, TREURNICHT F, SCNEIDER J, MOOSA R, JORDAAN P. *Detection of HHV-8 in renal transplant patients.*

VAN RENSBURG EJ, ENGELBRECHT S, TREURNICHT FK, TAYLOR M, LODDER J. *Detection of HHV-8 in Kaposi Sarcoma patients from Mapumalanga.*

VAN RENSBURG EJ, ENGELBRECHT S, VAN HEERDEN WFP, RAUBENHEIMER EJ. *Detection of Epstein-Barr virus in oral squamous cell carcinomas.* Doktorale promotor: Prof BD Schoub.

VAN RENSBURG EJ, ENGELBRECHT S, VAN HEERDEN WFP, RAUBENHEIMER EJ. *Detection of human papillomaviruses in oral squamous cell carcinomas.* Doktorale promotor: Prof BD Schoub.

VAN RENSBURG EJ, ENGELBRECHT S, VAN HEERDEN WFP, RAUBENHEIMER EJ. *Evaluation of p53 mutation and overexpression in EBV and HPV positive and negative oral squamous cell carcinomas.* Doktorale promotor: Prof BD Schoub.

VAN RENSBURG EJ, SMITH T-L, ENGELBRECHT S, FOURIE P. *The effect of ultraviolet-B irradiation on HIV-1 infected cell cultures.*

## **hematologiese patologie / haematological pathology**

### **Tydskrifartikels/Journal articles**

KRUGER M, BADENHORST CJ, MANSVELT EPG, LAUBSCHER JA, BENADÉ AJS. Effects of iron fortification in a school feeding scheme and antihelminthic therapy on theron status and growth of six to eight-year old schoolchildren. *Food and Nutrition Bulletin* 1996; 17(1): 11-21.

LOMBARD EH, VICTOR T, JORDAAN A, VAN HELDEN PD. The detection of Mycobacterium tuberculosis in bone marrow aspirate using the polymerase chain reaction. *Tubercle and Lung Disease* 1994; 75: 65-69.

### **Verrigtinge internasionaal/Proceedings international**

HESSELING PB, WESSELS G, BESTER R, PIENAAR R, SCHNEIDER J, MANSVELT E. *MIBG I<sup>131</sup> treatment in stage IV neuroblastoma*. Proceedings of the First Continental Meeting of the International Society of Paediatric Oncology in Africa. Stellenbosch, South Africa, 1995: 194-195.

MANSVELT EPG, LOUW I, DU PLESSIS M, STOFBERG H. *Immunological phenotyping of 77 cases of ALL at Tygerberg Hospital*. Proceedings of the First Continental Meeting of the International Society of Paediatric Oncology in Africa. Stellenbosch, South Africa, 1995: 194-195.

### **Referate internasionaal/Papers international**

CLOETE H, MANSVELT EPG. *The red cell ferritin assay used to assess iron status in donors and non-donors in an unfavourable working environment*. 22nd Congress of Medical Technology. Oslo, Norway, 1996.

### **Referate nasionaal/Papers national**

KRIEK JA, FABER M, VAN STUIJVENBERG ME, MANSVELT EPG, BENADÉ AJS. *Growth retardation, micronutrient and haematological indices of 6 to 23 months old children in a low socio-economic peri-urban community*. Hands on Nutrition Congress. Stellenbosch, 1996.

MANSVELT EPG, LOUW I, MÜLLER G, FOURIE E. *Critical evaluation of boomslang bite-induced coagulopathy. A case study*. 36th Annual Congress of the Federation of the SA Societies of Pathology. Kruger National Park, 1996.

MANSVELT EPG, LOUW I, SERDYN C, OBERHOLSTER E, DU PLESSIS M, STOFBERG H. *Clinical and pathological findings in patients with ALL and meningeal infiltration*. 36th Annual Congress of the Federation of the SA Societies of Pathology. Kruger National Park, 1996.

### **Magister afgehandel/Master's completed**

LATEGAN JC. *Ondersoek na die onderliggende abnormaliteite in die stollingsfaktore en antistolfaktore by pasiënte met 'n verkorte gedeeltelike tromboplastientyd*. M.Med., 1996. 11 pp. Studieleier/medestudieleier: Prof EPG Mansvelt/dr I Louw.

### **Projekte lopend/Projects current**

LOUW I, MANSVELT EPG, OBERHOLSTER E, BEZUIDENHOUT J, LOMBARD EH. *Gamma-delta T-cell lymphoma and other T-cell lymphoma presenting with massive splenomegaly*.

LOUW I, MANSVELT EPG, SCHNEIDER-WATERBERG E, LATEGAN J, RUBENSTEIN R. *CML geassosieer met T-sellimfoom. [CML associated with T-cell lymphoma]*.

MANSVELT EPG, DU PLESSIS M. *DNS-ploëdie en ALL in kinders [DNA ploidy and ALL in children]*.

MANSVELT EPG, LOUW I, FOURIE E, FORBES J, PROOS E, RUBENSTEIN R. *Hiperstolbaarheid en geaktiveerde proteïen C weerstandigheid. [Hypercoagulability and APC resistance]*.

OBERHOLSTER E, LOUW I, MANSVELT EPG. *Topomorfometriese evaluasie van trefienbiopsies met miëlloom infiltrasie. [A topomorphometric evaluation of trephine biopsies with myeloma infiltration]*. Magister studieleier: Prof EPG Mansvelt.

## **huisartskunde en primêre sorg / family medicine and primary care**

### **Tydskrifartikels/Journal articles**

DE VILLIERS MR. Caring for the poor: A family physician's experience. *SA Family Practice* 1995; 16(4): 244-249.

DE VILLIERS MR, ASIA B, DREYER Y, KOORNHOF HE, STATHAM S. Training the primary health care team. *SA Family Practice* 1995; 17(3): 111-113.

DE VILLIERS MR, DE VILLIERS PJT. Lessons from an academic comprehensive primary health care centre. *South African Medical Journal* 1996; 86(11): 1385-1386.

DE VILLIERS MR, VAN VELDEN DP. Curriculum development for the rural specialist. *South African Medical Journal* 1996; 86(12): 1528.

DI BARTOLO GO, DE VILLIERS PJT, DE GARREIA CPI. The bacterial profile and antibiotic resistance in acute uncomplicated urinary tract infection of females. *SA Family Practice* 1995; 16(4): 238-243.

RALSTON EA. Report on an isolated disadvantaged rural community. *SA Family Practice* 1995; 16(11): 727-733.

WOLFAARDT GS, JORDAAN HF, DE BEER C. The prevalence of warts in workers at a poultry processing and packing plant in the Western Cape, South Africa. *The South African Journal of Epidemiology and Infection* 1995; 10(4): 111-114.

### **Referate internasionaal/Papers international**

DE VILLIERS MR. *Designing rural health services to meet community needs: A South African model*. First International Conference on Rural Medicine. Shanghai, China, 1996.

VAN VELDEN DP. *The potential health implications of South African grapes and wines*. 76th General Assembly of the OIV. Cape Town, 1996.

### **Referate nasionaal/Papers national**

DE KLERK H, DE VILLIERS PJT, PIENAAR W. *The treatment of depression in general practice: Evaluation of a treatment method for patients with major depressive disorders*. 10th Family Practitioners' Congress. Grahamstown, 1996.

DE VILLIERS MR. *Community-based education and training for primary health care personnel*. The 10th Family Practitioners' Congress. Grahamstown, 1996.

DE VILLIERS MR. *The concerns of Health Care workers regarding the integration of health services*. 10th Family Practitioners' Congress. Grahamstown, 1996.

DE VILLIERS MR. *Curriculum development for the rural specialist*. First National Conference of the Association of Community Hospital Doctors and Regional Specialists. Durban, 1996.

DE VILLIERS MR. *Designing rural health services to meet community needs - the Western Cape experience*. The 10th Family Practitioners' Congress. Grahamstown, 1996.

DE VILLIERS MR. *The future of the rural doctor: What is the role of the district surgeon?* 10th Family Practitioners' Congress. Grahamstown, 1996.

DE VILLIERS MR. *Implementing the international collaborative programme for re-orientation of medical education: A pilot study*. 10th Family Practitioners' Congress. Grahamstown, 1996.

DE VILLIERS PJT, GEFFEN LG, MEMBERS OF SASPREN. *Hypertension surveillance by family practitioners in South Africa. A report by SASPREN*. Hypertension Indaba. The Arthur's Seat Hotel, 1996.

DE VILLIERS PJT, GEFFEN LG, MEMBERS OF SASPREN. *Passive surveillance by a network of family practitioners in South Africa. A report by SASPREN (the first 6 months)*. Health System Trust Report Back Conference. Durban, 1996.

DE VILLIERS PJT, KLOP A. *A multicentre randomized controlled trial comparing the use of Meroceol® Nasal Tampons and Bismuth Iodine Paste (BIPP) impregnated ribbon gauze in the control of acute epistaxis in ambulatory care patients*. 10th Family Practitioners' Congress. Grahamstown, 1996.

ENGELS LG, DE VILLIERS PJT. *The experience of rural general practitioners with the use of substituting doctors - Locum Tenens (LT)*. 10th Family Practitioners' Congress. Grahamstown, 1996.

THERON GP, DE VILLIERS PJT. *Important guidelines for the selection of a new partner in private family practice*. 10th Family Practitioners' Congress. Grahamstown, 1996.

THERON JJH, DE VILLIERS PJT. *The morbidity profile of a family practice in a Western Cape southern-coastal town*. 10th Family Practitioners' Congress. Grahamstown, 1996.

THUNEMANN TY, DE VILLIERS PJT, BARNES JM. *The presentation, diagnostic criteria and management regimen of depression in patients seen*



*in a sentinel network of general practitioners - a report by SASPREN.* 10th Family Practitioners' Congress. Grahamstown, 1996.

VAN VELDEN DP. *Creating enthusiasm for health through diet and active lifestyle.* Sport and Nutrition Seminar. Bloemfontein, 1996.

VAN VELDEN DP. *The grape cure, fact or fable?* Nutrition Congress. Stellenbosch, 1996.

VAN VELDEN DP. *Healthy eating can change your life.* The 1996 FPMA Conference and Exhibition. Johannesburg, 1996.

### **Magister afgehandel/Master's completed**

ENGELS L. *Locum tenens in algemene praktyk.* M.Fam.Med., 1996. 32 pp. Studieleier: Prof PJT de Villiers.

JANSE VAN RENSBURG CJ. *Die insidensie en aard van beserings in muurbalspelers in die Suid-Kaap.* M.Fam.Med., 1996. 16 pp. Studieleier/medestudieleier: Prof PJT de Villiers/dr DP van Velden.

KLOP AAC. *The use of Merocel Pope Posterior Nasal Packing in the management of acute epistaxis in primary care - a prospective randomised controlled clinical trial.* M.Fam.Med., 1996. 24 pp. Studieleier: Prof PJT de Villiers.

KOTZE E. *Die kennis blootstelling en houding teenoor HIV en VIGS van algemene praktisyns in privaatpraktyk in die Wes-Kaapse Skiereiland.* M.Fam.Med., 1996. 14 pp. Studieleier: Prof PJT de Villiers.

MOODLEY K. *Constraints facing the female medical practitioner in private family practice in the Western Cape.* M.Fam.Med. cum laude, 1996. 34 pp. Studieleiers: Mev JM Barnes en prof PJT de Villiers.

PATEL B. *Morbiditeitsopname van eie huisartspraktyk.* M.Fam.Med., 1996. 28 pp. Studieleier: Prof PJT de Villiers.

### **Projekte afgehandel/Projects completed**

HOWES MF, DE VILLIERS MR, STATHAM S, DREYER Y, KOORNHOF E. *Evaluering van Bishop Lavis se gesondheidstatus en maatskaplike infrastruktuur ten einde effektiewe dienslewering aan die gemeenskap te beplan.*

### **Projekte lopend/Projects current**

ADAMS S, PATEL V. *Primary care doctors and their views regarding the implementation of the new abortion law.* Magister studieleier: Prof PJT de Villiers.

BARNARD JJ. *Die voorkoms van respiratoriese probleme by stofblootgestelde werkers in 'n oopgroef ysterertsmyne in die Noord-Kaap.* Magister studieleier: Prof PJT de Villiers.

BAWOODIEN A. *Retrospective evaluation of the sterilising capacity of antituberculosis regimens currently in use in Western Cape Tuberculosis*

*Clinics*. Magister studieleier/medestudieleiers: Prof P Donald/prof PJT de Villiers.

DE VILLIERS MR. *Continuing medical education for rural doctors: What is available, what is used, and what is needed.*

DE VILLIERS MR, SANDISON K. *Managing change - impossible dream or possible reality. A case study of the integration of health care personnel in a primary health care centre.*

MOUTON G. *'n Kohort studie om die effektiwiteit van Disulfiram inplantings by persone met alkohol afhanklikheid en alkohol misbruik in die Rehoboth-gebied te bepaal.* Magister studieleiers: Dr W Pienaar en prof PJT de Villiers.

SOUTHEY H, BEZUIDENHOUT C. *'n Ondersoek na die effektiwiteit van die Klubstelsel van die gemeenskapsgesondheidsentra in die Kaapse Metropol.* Magister studieleier: Prof PJT de Villiers.

VAN DER VYVER JD. *A survey amongst South African medical graduates in Saskatchewan, Canada. Their reasons for leaving, social structures abroad and possible reasons for return.* Magister studieleiers: Prof PJT de Villiers en dr A Gouws.

## **interne geneeskunde / internal medicine**

### **Tydskrifartikels/Journal articles**

ALKHUNAIZI A, YAQOUB MM, EDELSTEIN CL, GENGARO PE, NEMENOFF RA, BURKE TJ, SCHRIER RW. Arachidonic acid protects against hypoxic injury in rat proximal tubules. *Kidney International* 1996; 49: 620-625.

BARDIN PG, SANDERSON G, ROBINSON BS, HOLGATE ST, TYRRELL DAJ. Experimental Rhinovirus infection in volunteers. *European Respiratory Journal* 1996; 9: 2250-2255.

BEALE MW. Travel into Africa. *Continuing Medical Education Journal* 1996; 14(11): 1595-1602.

BEALE MW, SIELING WL. Malaria in 1996. *Continuing Medical Education Journal* 1996; 14(11): 1603-1617.

BEALE MW, THERON FCR. Nosocomial Pneumonia. *Specialist Medicine* 1996; 18(2): 74-78.

BLAAUW R, ALBERTSE EC, HOUGH FS. Body fat distribution as a risk factor for osteoporosis. *South African Medical Journal* 1996; 86(9): 1081-1084.

BOTHA FJH, SIRGEL FA, PARKIN DP, VAN DE WAL BW, DONALD PR, MITCHISON DA. Early bactericidal activity of ethambutol, pyrazinamide and the fixed combination of isoniazid, rifampicin and pyrazinamide (Rifater) in patients with pulmonary tuberculosis. *South African Medical Journal* 1996; 86(2): 155-158.

BRINK PA. Left ventricular hypertrophy. Is what is good for the goose good for the gander? What comes first - the chicken or the egg? *Cardiovascular Journal of Southern Africa* 1996; 86: (Supplement 1): C5-C6.

BRINK AJ, BRINK PA, NAIDOO DP, et al. Cardiovascular profile. Myocardial hypertrophy - Part I. Round-table discussion. *Cardiovascular Journal of Southern Africa* 1996; 86: (Supplement 1): C40-C48.

BRINK AJ, BRINK PA, NAIDOO DP, et al. Cardiovascular profile. Myocardial hypertrophy - Part II. Round-table discussion. *Cardiovascular Journal of Southern Africa* 1996; 86: (Supplement 2): C104-C110.

BRINK PA, FERREIRA A, MOOLMAN JC, WEYMAR H, VAN DER MERWE P-L, CORFIELD VA. The gene for progressive familial heart block 1 (PFHBI), maps to chromosome 19q13. *Circulation* 1995; 91: 1633-1640.

BURGESS LJ, MARITZ FJ, LE ROUX I, TALJAARD JJF. Combined use of pleural adenosine deaminase with lymphocytic/neutrophil ratio. *Chest* 1996; 109(2): 414-419.

BURGESS LJ, MARITZ FJ, TALJAARD JJF. Epidemiology of pleural effusions. *South African Medical Journal* 1996; 86(2): 186.

CORBETT C, BRINK PA. Long QT syndrome, cardiac ion channels and sudden death. *Specialist Focus Journal* 1996; 1(7): 2-5.

DE JAGER T, CORBETT C, BADENHORST C, BRINK PA, CORFIELD VA. Evidence of a long QT founder gene with varying phenotypic expression in South African families. *Journal of Medical Genetics* 1996; 33(7): 567-573.

HERSELMAN MG, ALBERTSE EC, LOMBARD CJ, LABADARIOS D, HOUGH FS. Amino acid supplementation and the nutritional status of the predialysis patient. *South African Journal of Clinical Nutrition* 1996; 7: 873-879.

HOUGH FS. Diagnosis of Cushing's syndrome. *South African Medical Journal* 1996; 86(8): 1022-1025.

HOUGH FS, SCHNITZLER C, ASCOTT-EVANS B, CASSIM B, DAVEY D, MOLLENTZE W, SNEIDER P, SONNENDECKER E. Guidelines for the early detection of osteoporosis and prediction of fracture risk. *South African Medical Journal* 1996; 86(9): 1113-1116.

HUGO JF, HALLAND AM, SPANGENBERG JJ, WHITELAW DA, RICKMAN RC, HEWLETT RH, REID J, MARITZ JS, EMSLEY RA. DSM-III-R classification of psychiatric symptoms in systemic lupus erythematosus. *Psychosomatics* 1996; 37: 262-269.

MARITZ FJ, STEYN J, BURGESS LJ, WEICH HFH, HOUGH FS, TALJAARD JJF. The lipid and lipoprotein profile in a group of uncontrolled female type II diabetics. *Cardiovascular Journal of Southern Africa* 1996; 86(S6): 11.

MOOLMAN JA. Drug treatment of hypercholesterolaemia. *Cardiovascular Journal of Southern Africa* 1996; (Supplement 1): C37-C39.

MOOLMAN JC, BRINK PA, CORFIELD VA. Identification of a novel Ala797 The mutation in exon 21 of the B-myosin heavy chain gene in hypertrophic cardio-myopathy. *Human Mutation* 1995; 6: 197-198.

MOOSA MR, BECKER M, CASSIDY MJD. Hepatitis C virus antibodies in renal allograft recipients. *Saudi Journal of Kidney Diseases and Transplantation* 1996; 7(2): (Supplement 1): S141-S144.

PAGE C, DOUBELL AF. Mitogen-activated protein kinase (MAPK) in cardiac tissues. *Molecular and Cellular Biochemistry* 1996; 157: 49-57.

PETTIFOR JM, MOODLEY GP, HOUGH FS, KOCH H, CHEN T, LU Z, HOLICK MF. The effect of season and latitude on in vitro vitamin D formation by sunlight in South Africa. *South African Medical Journal* 1996; 86(10): 1270-1272.

POSEN BM, MOOLMAN JC, CORFIELD VA, BRINK PA. Clinical and prognostic evaluation of familial hypertrophic cardiomyopathy in two South African families with different cardiac  $\beta$ -myosin heavy chain gene mutations. *British Heart Journal* 1995; 74: 40-46.

SCHMIDT SJ, BEYERS N, GIE R, BARDIN P. Tuberculosis: A historical perspective. *South African Respiratory Journal* 1996; 2(3): 38-41.

SMEDEMA JP, DOUBELL A, KALIS N, GIE R. Congenital unilateral absence of a pulmonary artery as an isolated finding and UAPA with contralateral peripheral pulmonary artery stenosis. Two case reports with a brief literature review. *South African Medical Journal* 1996; 86: (Supplement 5): C258-C261.

SWANEPOEL CR, MOOSA MR, ROWLAND GF, MEYERS AM, BOTHA BP, SWART AJ, GOODMAN R, SCHAEEL R, KEOGH HJ, HERZFIELD EH. Clinical experience with Replotin, a locally produced recombinant human erythropoetin, in the treatment of anaemia of chronic renal failure in South Africa. *South African Medical Journal* 1996; 86(10): 1266-1271.

VAN RENSBURG CJ, HONIBALL PJ, GRUNDLING H DE K, VAN ZYL JH, SPIES SK, ELOFF FP, SIMJEE AE, SEGAL I, BOTHA JF, CARIEM AK, MARKS IN, THERON I, BETHKE TD. Efficacy and tolerability of pantoprazole 40mg versus 80mg in patients with reflux oesophagitis. *Aliment Pharmacology Therapy* 1996; 10: 397-401.

VAN RENSBURG CJ, LOUW JA, GIRDWOOD AH, SIMJEE AE, MARKS IN. A trial of lansoprazole in refractory gastric ulcer. *Aliment Pharmacology Therapy* 1996; 10: 381-386.

VAN ZIJL PHS. Who should not travel by air? *Continuing Medical Education Journal* 1996; 14(11): 1587-1593.

WALZL G. The management of acute severe asthma in adults. *Specialist Medicine* 1996: 62-67.

WANG Q, CURRAN ME, SPLAWSKI I, BURN TC, MILLHOLLAND JM, VAN RAAJ TJ, SHEN J, TIMOTHY KW, VINCENT GM, DE JAGER T, et al. Positional cloning of a novel potassium channel gene: KVLQT1 mutations cause cardiac arrhythmias. *Nature Genetics* 1996; 12: 17-23.

WYSER C, WALZL G, SMEDEMA JP, SWART F, VAN SCHALKWYK EM, VAN DE WAL BW. Corticosteroids in the treatment of tuberculous pleurisy. *Chest* 1996; 110: 333-338.

YAQOOB MM, EDELSTEIN CL, WIEDER ED, ALKHUNAIZI A, GENGARO PE, NEMENOFF RA, SCHRIER RW. Nitric oxide kinetics during hypoxia in proximal tubules: Effects of acidosis and glycine. *Kidney International* 1996; 49: 1314-1319.

## Verrigtinge internasionaal/Proceedings international

BARDIN PG, DORWARD MA, FRANKE B, HOLGATE ST. *Inhibition of early and late asthmatic responses to inhaled allergens by a selective phosphodiesterase inhibitor. American Journal of Respiratory and Critical Care Medicine* 1996; 154(4): A346.

BARDIN PG, SANDERSON G, HOLGATE ST, TYRRELL DAJ. *Airway responsiveness during experimental human rhinovirus infection. American Journal of Respiratory and Critical Care Medicine* 1996; 154(4): A865.

BRINK PA, CHRISTOFFELS A, FERREIRA A, CORFIELD V. *DNA-based clinical dissection of of PFHBI, a cardiac bundle branch disorder. XV World Congress of the International Society for Heart Research. Prague, 1995; Journal of Molecular and Cellular Cardiology* 1995; 27(6): A87.

MACK CS, WHITELAW DA. *Clinical audit: Isotope bone scans for foot problems. British Journal of Rheumatology* 1996; 35: 9(Supplement): 10.

MARITZ FJ, STEYN J, BURGESS LJ, WEICH HFH, HOUGH FS, TALJAARD JJF. *The lipid and lipoprotein profile in a group of uncontrolled female type II FS diabetics. Cardiovascular Journal of Southern Africa* 1996; 86(S6): 2B-5.

MOOLMAN JC, POSEN B, BRINK PA, CORFIELD V. *Spectrum of  $\beta$ MHC mutations in HCM in RSA and prognostic associations. XV World Congress of the International Society for Heart Research. Prague, 1995; Journal of Molecular and Cellular Cardiology* 1995; 27(6): A225.

MOOLMAN-SMOOK JC, POSEN B, NGUMBELA K, WATKINS H, BRINK PA, CORFIELD V. *Sarcomere protein-encoding gene mutations and sudden death in SA FHC. 4th World Congress on Heart Failure - Mechanisms and Management. Jerusalem, Israel, 1996; Journal of Heart Failure* 1996; 3(1)(9): 3.

MOOSA MR, BECKER M, CASSIDY MR. *Hepatitis C Virus antibodies in renal allograft recipients. Proceedings of the Joint Meeting of the South African Congress of Nephrology and Fourth Congress of Nephrology and Renal Transplantation. Tunis, Tunisia, 1996; Saudi Journal of Kidney Diseases and Transplantation* 1996; 7(2): (Supplement 1): 5141-5144.

VAN RENSBURG CJ, HONIBALL PJ, GRUNDLING H DE K, VAN ZYL JH, SPIES SK, ELOFF FP, SIMJEE AE, SEGAL I, BOTHA JF, MARKS IN, THERON I, BETHKE TD. *Prophylactic efficacy and safety of 40mg Pantoprazole against relapse in patients with healed reflux oesophagitis - a one year study. Gut* 1996; 603(Supplement 3): A107.

VAN SCHALKWYK EM, WYSER CP, BARDIN PG, JOUBERT JR. *Treatment of sarcoidosis with cyclosporin. American Journal of Respiratory and Critical Care Medicine* 1996; 154(4): A278.

WALZL G, MATTHEYSE F. *Suppression of neutrophil chemiluminescence during exercise is partly mediated by adrenalin. American Journal of Respiratory and Critical Care Medicine* 1996; 154(4): A53.

WALZL G, WYSER C, SMEDEMA J, CORBETT C, VAN DE WAL B. *Comparing the diagnostic yield of Abrams needle pleural biopsy and thoracoscopy. American Journal of Respiratory and Critical Care Medicine* 1996; 154(4): A460.

WYSER C, WALZL G, SMEDEMA J, VAN SCHALKWYK E, VAN DE WAL B. *Corticosteroids in the treatment of tuberculous pleurisy a double-blind, placebo-controlled, randomized study. American Journal of Respiratory and Critical Care Medicine* 1996; 154(4): A490.

## Verrigtinge nasionaal/Proceedings national

BRINK PA, CHRISTOFFELS A, FERREIRA A, DE JAGER T, VAN DER MERWE P-L, CORFIELD V. *The spectrum of ECG manifestations of progressive familial heart block type I as assessed with a DNA-molecular diagnosis. Cardiovascular Journal of Southern Africa* 1996; 86(Supplement 6): P2-P4.

BURGESS LJ, MARITZ FJ, LE ROUX P, TALJAARD JJF, WEICH HFH. *The effects of lipaemia on the analysis of blood specimens. Verrigtinge van die 32ste Jaarlikse Kongres van SEMDSA en LASSA. Durban, 1996: 38.*

BURGESS LJ, MARITZ FJ, TALJAARD JJF, WEICH HH. *Incidence and causes for total cholesterol >15mmol/L. Verrigtinge van die 32ste Jaarlikse Kongres van SEMDSA en LASSA. Durban, 1996: 18.*

CONRADIE M, VERNIMMEN F, HOUGH FS. *Proton beam irradiation as primary therapy for Cushing's disease. 32nd SEMDSA Congress. Durban, 1996.*

CORBETT C, CORFIELD V, DE JAGER T, BRINK PA. *Average (aQTc) and QTc dispersion (dQTc) in assessing prognosis and response to treatment in LQTS. Cardiovascular Journal of Southern Africa* 1996; 86(Supplement 6): 3C-2.

DE JAGER T, CORBETT C, BADENHORST C, BRINK PA, CORFIELD VA. *A mutation in a novel potassium channel gene, KVLQT1, causes long QT syndrome in South African families. Cardiovascular Journal of Southern Africa* 1996; 86(Supplement 6): 3A-3.

LOUW JA, VAN RENSBURG, CJ, MOOLA S, KOTZE TJvW, MARKS IN. *One versus two weeks single dose Lansoprazole based combination therapy: Efficacy of H.Pylori eradication and duodenal ulcer healing. 34th Congress of SAGES 96. Wild Coast Sun, 1996; Poster 4: 1 pp.*

MARITZ FJ, ENGELBRECHT JE, BURGESS LJ, WEICH HFH, TALJAARD JJF, BARNES JM. *The influence of Apo(a) levels on the success of thrombolysis with streptokinase during acute myocardial infarction.*

Verrigtinge van die 32ste Jaarlikse Kongres van SEMDSA en LASSA. Durban, 1996: 25.

MARITZ FJ, STEYN J, BURGESS LJ, WEICH HFH, HOUGH FS, TALJAARD JJF. *The lipid and lipoprotein profile in a group of uncontrolled female type II diabetics*. Verrigtinge van die 32ste Jaarlikse Kongres van SEMDSA en Lassa. Durban, 1996: 36.

MOOLMAN JC, POSEN B, NGUMBELA K, SEIDMAN CE, WATKINS H, BRINK PA, CORFIELD VA. *Sudden death due to troponin-T mutations*. *Cardiovascular Journal of Southern Africa* 1996; 86(Supplement 6): 3A-4.

SAAIMAN A, BRINK PA. *Experience with aspirin as sole post-procedural anti-thrombotic agent following high pressure deployment of stents in coronary arteries*. *Cardiovascular Journal of Southern Africa* 1996; 86(Supplement 6): 4A-3.

VERIAVA Y, SEEDAT YK, RANDEREE IGH, SARELI P, RADEVSKI L, NORTON G, MARITZ FJ, BURGESS LJ, NAIKER I, CHITA G, CAMPBELL D. *The efficacy and safety of the angiotensin II receptor antagonist, irbasartan, in the treatment of patients with severe hypertension*. Verrigtinge van die 10e Jaarlikse Kongres van die Hipertensie Vereniging van Suid-Afrika. Kaapstad, 1996: 80-81.

## Referate internasionaal/Papers international

BARDIN PG, DORWARD MA, FRANKE B, HOLGATE ST. *Inhibition of early and late asthmatic responses to inhaled allergens by a selective phosphodiesterase inhibitor*. American Thoracic Society International Conference. New Orleans, Louisiana, 1996.

BARDIN PG, SANDERSON G, HOLGATE ST, TYRRELL DAJ. *Airway responsiveness during experimental human rhinovirus infection*. American Thoracic Society International Conference. New Orleans, Louisiana, 1996.

HOUGH FS. *Prevention and management of Osteoporosis: Is it rational?* 4th Congress of the Hellenic Society for the Study of Bone Metabolism. Athens, Greece, 1996.

MOOLMAN-SMOOK JC, POSEN B, NGUMBELA K, WATKINS H, BRINK PA, CORFIELD V. *Sarcomere protein-encoding gene mutations and sudden death in SA FHC*. 4th World Congress on Heart Failure. Mechanisms and Management. Jerusalem, Israel, 1996.

PHILLIPS P, PHILLIPOV G, ROY D, KARRASCH J, MARITZ F, HOWE PRC. *Antihypertensive efficacy of the combination of irbasartan and hydrochlorothiazide assessed by 24h-ambulatory BP monitoring*. 18th Annual Scientific Meeting of the High Blood Pressure Council of Australia. Melbourne, Australia, 1996.

VAN DE WAL BW. *A direct comparison of the diagnostic yields of Abrams needle biopsy and thoracoscopy in exudative pleural effusions*. American Thoracic Society Congress. New Orleans, Louisiana, 1996.

VAN SCHALKWYK EM, WYSER CP, BARDIN PG, JOUBERT JR. *Treatment of chronic sarcoidosis with cyclosporin*. American Thoracic Society Congress. New Orleans, Louisiana, 1996.

VAN SCHALKWYK EM, WYSER CP, BARDIN PG, JOUBERT JR. *Treatment of sarcoidosis with cyclosporin*. American Thoracic Society International Conference. New Orleans, Louisiana, 1996.

WALZL G, MATTHEYSE F. *Suppression of neutrophil chemiluminescence during exercise is partly mediated by adrenalin*. American Thoracic Society International Conference. New Orleans, Louisiana, 1996.

WALZL G, WYSER C, SMEDEMA J, CORBETT C, VAN DE WAL B. *Comparing the diagnostic yield of Abrams needle pleural biopsy and thoracoscopy*. American Thoracic Society International Conference. New Orleans, Louisiana, 1996.

WYSER C, WALZL G, SMEDEMA J, VAN SCHALKWYK E, VAN DE WAL B. *Corticosteroids in the treatment of tuberculous pleurisy a double-blind, placebo-controlled, randomized study*. American Thoracic Society International Conference. New Orleans, Louisiana, 1996.

## Referate nasionaal/Papers national

BARDIN PG. *Viruses, asthma and neutrophils*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.

BRINK PA, CHRISTOFFELS A, FERREIRA A, DE JAGER T, VAN DER MERWE P-L, CORFIELD V. *The spectrum of ECG manifestations of progressive familial heart block type I as assessed with a DNA-molecular diagnosis*. 20th Congress of the SA Cardiac Society. Wild Coast Sun Hotel, 1996.

CORBETT C, CORFIELD V, DE JAGER T, BRINK PA. *Average (aQTc) and QTc dispersion (dQTc) in assessing prognosis and response to treatment in LQTS*. 20th Congress of the SA Cardiac Society. Wild Coast Sun Hotel, 1996.

DE JAGER T, CORBETT C, BADENHORST C, BRINK PA, CORFIELD VA. *A mutation in a novel potassium channel gene, KVLQT1, causes long QT syndrome in South African families*. 20th Congress of the SA Cardiac Society. Wild Coast Sun Hotel, 1996.

DONALD PR, SIRGEL FA, BOTHA FJH, PARKIN DP, VAN DE WAL BW, MARITZ JS, MITCHISON DA. *The early bactericidal activity of different dosages of isoniazid in patients with newly diagnosed pulmonary tuberculosis*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.

HOUGH FS. *Crosstalk between the major intracellular signalling systems in the regulation of osteoblast proliferation by parathyroid hormone*. First UK-RSA Symposium on Cell Growth Control. Cape Town, 1996.

HOUGH FS. *Rational management of osteoporosis - is it possible?* Osteoporosis Congress. University of Pretoria, Bakubung, 1996.

JOUBERT JR, VAN SCHALKWYK EM, PRETORIUS J, DE KOCK MA, SWIEGERS W. *The influence of environmental factors on the lung health of workers at Rössing Uranium Mine*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.



MOOLMAN JC, POSEN P, NGUMBELA K, SEIDMAN CE, WATKINS H, BRINK PA, CORFIELD VA. *Sudden death due to troponin-T mutations*. 20th Congress of the SA Cardiac Society. Wild Coast Sun Hotel, 1996.

MULLER C, FERRIS M, PRETORIUS M, BEZUIDENHOUT J, DU PLESSIS D, VAN DE WAL BW, JOUBERT JR, BARDIN PG. *Cellular definition of granulomatous tissue employing immunohistochemistry*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.

NELL H, MATHEYSE FJ, MATHEYSE ME, JOUBERT JR, WILLIAMS Z, BARDIN PG. *Neutrophil activation in chronic asthma*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.

SAAIMAN A, BRINK PA. *Experience with aspirin as sole post-procedural anti-thrombotic agent following high pressure deployment of stents in coronary arteries*. 20th Congress of the SA Cardiac Society. Wild Coast Sun Hotel, 1996.

SMIT J, MAREE DM, GIE RP, PIEPER CH, KIRSTEN GF. *Respiratory compliance prior to extubation in very low birth weight (VLBW) premature infants using hot wire anemometry*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.

SMITH J, GIE RP, KIRSTEN GF, BUTTNER GM, SWART F. *Postnatal factors could be more important determinants of lung growth and function than prenatal causes manifesting with abnormal umbilical doppler waveforms*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.

SWART F, BUTTNER Z, WALZL G, VAN SCHALKWYK EM, WYSER C, VAN DE WAL BW. *Lung function and radiological outcome of treated tuberculous pleural effusion: A twelve month follow-up study*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.

VAN DE WAL BW, BUTTNER Z, MAREE D, VAN EEDEN A, BOSMAN A, LABADARIOS D. *Bushman lungfunctions are excellent or extremely poor, depending on the reference values used*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.

VAN DE WAL BW, LABADARIOS D. *Clinical and radiological respiratory assessment of a Bushman family*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.

VAN SCHALKWYK EM, WYSER CP, BARDIN PG, JOUBERT JR. *Treatment of chronic sarcoidosis with cyclosporin*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.

WALZL G, WYSER C, SMEDEMA J, CORBETT C, VAN DE WAL BW. *A direct comparison of the diagnostic yields of Abrams needle pleural biopsy and thoracoscopy*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.

WILLIAMS Z, NELL H, JOUBERT JR, FERREIRA A, BARDIN PG. *Acute asthma: Changes in PEF and skintests after hospital admission*. XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wildernis, 1996.

WYSER CP, WALZL G, SMEDEMA JP, SWART F, VAN SCHALKWYK EM, VAN DE WAL BW. *Corticosteroids in the treatment of tuberculous pleurisy: A*

*double-blind, placebo-controlled, randomized study.* XIIIde Suid-Afrikaanse Pulmonologie Vereniging Kongres. Wilderness, 1996.

## **Boeke/Books**

BEYERS AD, DONALD PR, SCHAAF HS, VAN DE WAL BW. *Tuberculosis and HIV/ AIDS.* University of Stellenbosch, 1995. 198 pp.

DONALD PR, VAN DE WAL BW. *Tuberculosis 1992.* University of Stellenbosch, 1992. 216 pp.

## **Doktoraal afgehandel/Doctoral completed**

BRINK PA. *A molecular genetic approach to the aetiology of cardiovascular disease in South Africa with reference to progressive familial heart block.* Ph.D., 1996. Promotor: Dr V Corfield.

PRINS HC. *Bone mineral density of endurance-trained male athletes: Pathophysiology of exercise-induced osteopenia.* Ph.D., 1996. Studieleier: Prof FS Hough.

## **Projekte afgehandel/Projects completed**

BLOMERUS J, VAN RENSBURG CJ, THORPE A. *A morphofunctional correlation in chronic pancreatitis.*

BOTHA JEC, VAN RENSBURG CJ. *The clinical yield and reflux patterns in patients with erosive gastro-oesophageal reflux disease referred for 24 hour pH-metry.*

HONIBALL SC, HOUGH FS. *Abnormalities of bone and mineral metabolism in jockeys.*

JOHNSON Q, VEITH W, CONRADIE R, HOUGH FS. *The effect of dietary protein consumption on bone and mineral metabolism.*

VAN RENSBURG CJ, SCHOEMAN M. *Assessment of the Efficacy and safety of Pantoprazole 20mg versus Ranitine 150mg over one year as a relapse prophylaxis for patients with healed reflux oesophagitis.*

VAN RENSBURG CJ, SCHOEMAN M. *Eradication of Helicobacter Pylori by 14 days therapy with 80mg Pantoprazole plus either 7 or 14 days treatment with 2g Amoxycillin and 1g Clarithromycin in patients with duodenal ulcer.*

VAN RENSBURG CJ, SCHOEMAN M. *Tolerability and the efficacy of 40mg/day pantoprazole over 2 years as a relapse prophylaxis for patients with healed reflux oesophagitis.*

VAN RENSBURG CJ, THORPE A. *A double-blind comparison of Helicobacter pylori eradication therapy with Omeprazole and Amoxycillin and Omeprazole, Amoxycillin and Metronidazole in patients with duodenal ulcers.*

VAN RENSBURG CJ, THORPE A. *The consequences of Helicobacter Pylori eradication for the prevention of gastric and duodenal ulceration in patients taking non-steroidal anti-inflammatory drugs (The Help NSAIDS Study).*

VAN RENSBURG CJ, THORPE A. *Intragastric pH in patients with bleeding peptic ulceration during Pantoprazole infusion of 8mg/hour.*

VAN RENSBURG CJ, THORPE A. *Use of Budesonide C.I.R. Capsules in Prednisolone dependent patients with Chronic Crohn Disease.*

VOS M, WARREN R, VAN RENSBURG CJ. *Genome diversity of Helicobacter pylori in a defined community.*

## **Projekte lopend/Projects current**

BODENSTEIN J. *Bone loss after renal transplantation.*

BODENSTEIN WMJ. *Bone-loss after renal transplantation.* Magister studieleier: Dr MR Moosa.

BRINK PA, CORFIELD VA, et al. *Genetics of hypertrophic cardiomyopathy.*

BRINK PA, CORFIELD VA, et al. *Genetics of the long QT syndrome.*

BRINK PA, CORFIELD VA, et al. *Progressive familial heartblock - search for gene causing.*

CARR J. *Assessment of magnetic stimulation in a family with progressive myoclonic epilepsy.*

CARR J. *Linkage analysis of the genetic defect in a family with progressive myoclonic epilepsy.*

CARR JA, BRINK PA, CORFIELD VA. *Genetics of progressive myoclonic epilepsy.*

CONRADIE R, HOUGH FS. *Alterations of bone, mineral and lipid metabolism in subjects with eating disorders.*

CONRADIE M, HOUGH FS. *A comparison of biochemical parameters, isotope scintigraphy and bone histomorphometry in the assessment of bone turnover.*

CORFIELD VA, BRINK PA, HOUGH FS. *Genetics of adult onset diabetes mellitus.*

CORNFIELD V, BRINK P, HOUGH FS. *Molecular causes of non-insulin dependent mellitus (NIDDM) with emphasis on maturity onset diabetes of the young (MODY).*

HUGO F, VAN HEERDEN B, CARR J. *Examination of the use of SPECT scans in diagnosis and follow-up of neurosyphilis.*

HULLEY P, GORDON F, HOUGH FS. *Mechanisms of osteoblast differentiation.*

HULLEY P, GORDON F, HOUGH FS. *Studies into the molecular mechanisms of steroid-induced bone loss.*

KABALI-KAGWA V. *Evaluation of lipid changes including lipoprotein(a) in renal transplant patients at Tygerberg Hospital.* Magister studieieier: Dr MR Moosa.

KOCH HM. *Intracellular signal transduction in bone cells.*

MOOLMAN-SMOOK JC. *Molecular causes of hypertrophic cardiomyopathy in South Africa.*

MOOSA R, HALLAND AM, EDELSTEIN C, COOPER RC, BATES W. *A comparison of intravenous cyclophosphamide with oral cyclophosphamide for the treatment of lupus nephritis.*

SWART F, BUTTNER Z, WALZL G, VAN SCHALKWYK EM, WYSER CP, VAN DE WAL BW. *Longterm radiological and lungfunction outcome of tuberculous pleurisy.*

VAN DE WAL BW, BOTHA FJH, SIRGEL FA, PARKIN DP, DONALD PR. *The early bactericidal activity of aminosidine.*

VAN DE WAL BW, DONALD PR. *Are patients retreated for pulmonary tuberculosis reinfected or does tuberculosis relapse, a prospective study.*

VAN RENSBURG CJ, SCHOEMAN M. *Assessment of the efficacy and safety of Pantoprazole 20mg versus Ranitidine 150mg over one year as a relapse prophylaxis for patients with healed reflux oesophagitis.*

VAN RENSBURG CJ, THORPE A. *Clinical efficacy and tolerability of 20mg Pantoprazole versus 20mg Omeprazole in patients with reflux oesophagitis - Stage I as defined by Savary Miller.*

VAN RENSBURG CJ, THORPE A. *Intragastric pH in patients with bleeding peptic ulceration during Pantoprazole infusion of 6mg/hour.*

VAN RENSBURG CJ, THORPE A. *The long-term symptom relieving effect of Omeprazole plus Clarithromycin and Amoxicillin in Helicobacter Pylori positive patients with functional dyspepsia.*

VAN RENSBURG CJ, THORPE A. *Use of Budesonide CIR capsules in prednisolone-dependent patients with Crohn's disease.*

WILKEN E, VAN RENSBURG CJ, SCHOEMAN M. *Sink en Vitamien A en D in die behandeling van pasiënte met ulseratiewe kolitis.*

## **kardiotorakale chirurgie / cardiothoracic surgery**

### **Tydskrifartikels/Journal articles**

COETZER M, COETZEE A, ROSSOUW G. *The effect of methylprednisolone, given prior to cardiopulmonary bypass, on indices of gas exchange. Cardiovascular Journal of Southern Africa 1996: C188-C192 (Supplement to South African Medical Journal).*

COETZEE A, ROSSOUW G, MACGEGOR L. Failure of allopurinol to improve ventricular stroke work after cardiopulmonary bypass surgery. *Journal of Cardiothoracic and Vascular Anesthesia* 1996; 10(5): 627-633.

### **Projekte lopend/Projects current**

ROSSOUW GJ. *Selektiewe en sistemiese hiperkalemie op kardiopulmonale omleiding sonder miokardiale isgemie*. Doktorale promotor: Prof AR Coetzee.

## **kerngeneeskunde / nuclear medicine**

### **Tydskrifartikels/Journal articles**

KLOPPER JF. Problems with travel (Guest Editorial). *Continuing Medical Education Journal* 1996; 14(11): 1573-1574.

STEIN DJ, BOUWER C, VAN HEERDEN BB. Pica and the obsessive-compulsive spectrum disorders. *South African Medical Journal* 1996; 86(12): 1586-1592.

### **Verrigtinge internasionaal/Proceedings international**

RÖHLEN DA, RUBOW S, ROTA KOPS E, HOLSBACH M, HERZOG H, FIXMANN T, MÜLLER-GÄRTNER H-W. Evaluation of brain uptake of [<sup>11</sup>C]-choline with PET: A potential tracer of the in vivo synthesis of acetylcholine. *Journal of Nuclear Medicine* 1996; 37: 283P.

RUBOW S, RÖHLEN DA, ROTA KOPS E, HOLSBACH M, HERZOG H, FIXMANN T, MÜLLER-GÄRTNER H-W. Cerebral uptake of [<sup>11</sup>C]-choline in rabbits studied with dynamic PET. *European Journal of Nuclear Medicine* 1996; 23: 1134.

### **Referate internasionaal/Papers international**

RÖHLEN DA, RUBOW S, FIXMANN T, ROTA KOPS E, HOLSBACH M, HERZOG H, MÜLLER-GÄRTNER H-W. *Evaluierung von [<sup>11</sup>C]-Cholin als potentieller Tracer zur in vivo Untersuchung des cholinergen Systems mittels Positronen Emissionstomographie*. Jaarlikse Kongres van die Deutsche Gesellschaft für Nuklearmedizin. Münster, Duitsland, 1996.

### **Referate nasionaal/Papers national**

BESTER MJ, VAN HEERDEN PDR, KLOPPER JF, WASSERMAN HJ, RUBOW SMM, DE KLERK F. *Imaging infection and inflammation in an African environment: Tc-99m leucocytes or Ga-67?* Sewende Tweejaarlikse Kongres van die Suid-Afrikaanse Vereniging vir Kerngeneeskunde. Durban, 1996.

DE KOCK AJ, DAVIDS S, FORTUIN T, DE KLERK I, RUBOW SM. *A comparison of sedimentation agents used for labelling leucocytes*. Sewende Tweejaarlikse Kongres van die Suid-Afrikaanse Vereniging vir Kerngeneeskunde. Durban, 1996.

GREGOR RT, BRACEY ED, BALM AJM, HILGERS FJM, KOOPS W, VALDÉS OLMOS, ELLMANN A, KLOPPER JF. *The value of SPECT scanning with thallium-201 for assisting in the assessment of head and neck*

cancer. Sewende Tweejaarlikse Kongres van die Suid-Afrikaanse Vereniging vir Kerngeneeskunde. Durban, 1996.

KLOPPER JF. *Nuclear medicine in the African context: What role can South Africa play in training?* Werkswinkel oor Kerngeneeskunde in die Afrikaverband. Durban, 1996.

KLOPPER JF, VERBRUGGEN AM, DE ROO MJK. *Technetium-99m-DTPA for intrathecal use.* Sewende Tweejaarlikse Kongres van die Suid-Afrikaanse Vereniging vir Kerngeneeskunde. Durban, 1996.

MEAD M, RUBOW SM. *Basic requirements for a Nuclear Medicine Department in the African context: Quality control.* Werkswinkel oor Kerngeneeskunde in die Afrikaverband. Durban, 1996.

RUBOW SM. *Basic requirements for a Nuclear Medicine Department in the African context: Radiopharmacy.* Werkswinkel oor Kerngeneeskunde in die Afrikaverband. Durban, 1996.

RUBOW SM, RÖHLEN DA, FIXMANN A, RODEN W, MÜLLER-GÄRTNER H-W. *[<sup>11</sup>C]-choline: Biodistribution in mice and dosimetry.* Sewende Tweejaarlikse Kongres van die Suid-Afrikaanse Vereniging vir Kerngeneeskunde. Durban, 1996.

RUBOW SM, RÖHLEN DA, ROTA KOPS E, HOLSBACH M, HERZOG H, FIXMANN T, MÜLLER-GÄRTNER H-W. *Evaluation of brain uptake of [<sup>11</sup>C]-cholinewith PET: A potential tracer of the in vivo synthesis of acetylcholine.* Sewende Tweejaarlikse Kongres van die Suid-Afrikaanse Vereniging vir Kerngeneeskunde. Durban, 1996.

VAN DER WATT FM, SCHOEMAN I, DE KLERK I, RUBOW SMM. *The influence of anti-tuberculosis medication on in vitro red cell labelling with Tc-99m.* Sewende Tweejaarlikse Kongres van die Suid-Afrikaanse Vereniging vir Kerngeneeskunde. Durban, 1996.

VAN HEERDEN BB. *Beelde van breinfunksie.* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

VAN HEERDEN BB. *Imaging brain function in neuropsychiatry - PET and SPECT.* Eli Lily Neuropsigiatrie Forum: "Neuropsychiatry - Current Concepts and New Horizons". Johannesburg, 1996.

VAN HEERDEN BB. *Imaging brain function in neuropsychiatry - PET and SPECT.* Eli Lily Neuropsigiatrie Forum: "Neuropsychiatry - Current Concepts and New Horizons". Kaapstad, 1996.

VAN HEERDEN BB. *Towards the standardisation of functional brain SPECT imaging in South Africa.* Sewende Tweejaarlikse Kongres van die Suid-Afrikaanse Vereniging vir Kerngeneeskunde. Durban, 1996.

VAN HEERDEN BB, LANGENHOVEN JH, WASSERMAN HJ, RUBOW SM, KLOPPER JF. *Initial experience with locally produced fluorine-18 fluorodeoxyglucose (F-18 FDG) - an agent for imaging myocardial glucose*

*metabolism*. Sewende Tweejaarlikse Kongres van die Suid-Afrikaanse Vereniging vir Kerngeneeskunde. Durban, 1996.

WASSERMAN HJ, KLOPPER JF. *Uniformity testing of a dual-head gamma camera with a nearby point source*. Sewende Tweejaarlikse Kongres van die Suid-Afrikaanse Vereniging vir Kerngeneeskunde. Durban, 1996.

### **Projekte afgehandel/Projects completed**

LANGENHOVEN J, VAN HEERDEN BB, RUBOW SM, BAARD WPJ. *Die evaluasie van I-123 isoprenalien en -MIBG derivate vir beelding van miokardiale simpatiese aktiwiteit. (The evaluation of I-123 isoprenaline and MIBG derivatives for imaging myocardial sympathetic activity.)*

SMIT BJ, VAN HEERDEN BB. *Die gebruik van samarium-153 vir verligting van beenpyn in pasiënte met skeletale metastases. (The use of samarium-153 for the treatment of bone pain in patients with skeletal metastases.)*

### **Projekte lopend/Projects current**

CONRADIE M, HOUGH SF, VAN HEERDEN BB, WASSERMAN HJ. *Die gebruik van semi-kwantitatiewe beenflikkergrafie vir die onderskeid tussen lae en hoë omset osteoporose. (The use of semi-quantitative skeletal scintigraphy for differentiating between high and low turnover osteoporosis.)*

ELLMANN A. *Die rol van rooiflikkergrafie in die hantering van pasiënte met hemoptise. (The role of labelled red cell scintigraphy in the management of patients with hemoptysis.)*

ELLMANN A, APPFELSTAEDT J, KLOPPER JF. *Mammaflikkergrafie met Tc-99m MIBI in pasiënte met mammakarsinoom. (Breast scintigraphy with Tc-99m MIBI in patients with breast cancer.)*

GREGOR RT, ELLMANN A, BRACEY ED, KLOPPER JF. *Die waarde van EFERT met tallium-201 in die evaluasie van kop- en nekmalignteit. (The value of SPECT with thallium-201 for assisting in the assessment of head and neck cancer.)*

HUGO F, VAN HEERDEN BB. *Funksionele breinbeelding in neurosifilis. (Functional brain imaging in neurosyphilis.)*

KLOPPER JF, DU PREEZ JGH, GERBER TIA, RUBOW SM. *Die evaluering van nuwere Tc-99m verbindinge. (The evaluation of new Tc-99m compounds.)*

MESOTTEN L, DU TOIT GC, VAN HEERDEN BB. *Die waarde van skeletflikkergrafie in die hantering van pasiënte met servikskarsinoom. (The value of bone scintigraphy in the management of patients with carcinoma of the cervix.)*

NEETHLING HJ, VAN HEERDEN BB. *Die prognostiese waarde van normale Tc-99m sestamibi miokardiale perfusie EFERT oor 'n 4 jaar opvolgperiode. (The prognostic significance of normal Tc-99m sestamibi SPECT imaging over a four year follow-up period.)*

ROSSOUW DduT, LANGENHOVEN J, VAN HEERDEN BB, RUBOW SM, BAARD WPJ. *Die sintese en radiochemiese merking van kannabinoïede. (The synthesis and radiochemical labelling of cannabinoids.)*

RUBOW SM. *Die invloed van antituberkulose middels op rooiselmerking met Tc-99m. (The influence of anti-tuberculosis medication on in vitro red cell labelling with Tc-99m.)*

STEIN DJ, VAN HEERDEN BB, WESSELS C, VAN KRADENBURG J, WARWICK J. *Funksionele breinbeelding in obsessiewe-kompulsiewe siekte. (Functional brain imaging in obsessive compulsive disorder.)*

VAN HEERDEN BB, HUGO F, COETZER R. *Funksionele breinbeelding in neuropsigiatrie. (Functional brain imaging in neuropsychiatry.)*

## **menslike voeding / human nutrition**

### **Tydskrifartikels/Journal articles**

BISHOP WB, LAUBSCHER I, LABADARIOS D, REHDER P, LOUW MEJ, FELLINGHAM SA. Effect of vitamin-enriched bread on the vitamin status of an isolated rural community - a controlled clinical trial. *South African Medical Journal* 1996; 86: 458-462.

BLAAUW R, ALBERTSE EC, HOUGH FS. Body fat distribution as a risk factor for osteoporosis. *South African Medical Journal* 1996; 9: 1081-1084.

CHARLTON KE, LABADARIOS D, LOMBARD CJ, LOUW MEJ. Vitamin D status of older South Africans. *South African Medical Journal* 1996; 86: 1406-1410.

DE VILLIERS MR, ASIA B, DREYER Y, KOORNHOF HE, STATHAM S. Training the primary health care team. *South African Family Practice* 1996; 17: 111-117.

HERSELMAN MG, ALBERTSE EC, LOMBARD CJ, LABADARIOS D, HOUGH FS. Amino acid supplementation and the nutritional status of the predialysis patient. *South African Medical Journal - South African Journal of Clinical Nutrition* 1996; 86: 873-879.

LABADARIOS D, BLAAUW R. Micronutrients: Are supplements necessary? *Micronutrients* 1996: 5-10.

LABADARIOS D. South African Vitamin A Consultative Group (SAVACG). Anthropometric, vitamin A, iron and immunisation coverage status in children aged 6 - 71 months in South Africa, 1994. *South African Medical Journal* 1996; 86: 354-357.

WALKER ARP, LABADARIOS D, SAASA-MODISE ML. What are American children eating? Implications for public policy. *Nutrition Review* 1995; 53: 333-335.

### **Verrigtinge nasionaal/Proceedings national**

COETZEE S, LABADARIOS D, DONALD PR, BEYERS N. *An evaluation of the vitamin status of adolescents presenting with pulmonary tuberculosis:*



*Pilot study. The South African Journal of Food Science and Nutrition* 1996; 8(Supplement): 55.

LABADARIOS D (on behalf of SAVACG). *The iron status of South African children 6-71 months of age: Results of the national survey: 1994. The South African Journal of Food Science and Nutrition* 1996; 8(Supplement): 10.

PENTZ M, STEYN M. *Evaluation between changes in anthropometric parameters used on obese subjects attending a comprehensive weight control programme (CWCP). The South African Journal of Food Science and Nutrition* 1996; 8(Supplement): 24.

### **Referate internasionaal/Papers international**

ESCREET E, COETZEE H, DU PLESSIS A, HERSELMAN MG, HÖLL M, CONRADIE M, MOOSA R. *Evaluation of the nutritional status of renal transplant patients. XIIth International Congress of Dietetics. Manila, Philippines, 1996.*

LABADARIOS D. *The Vitamin A status of South African children 6-71 months of age: Results of the national survey, 1994. Poster presented at the XVII IVACG Meeting. Guatemala, 1996.*

### **Referate nasionaal/Papers national**

BISHOP WB, LAUBSCHER I, LABADARIOS D, REEDER P, LOUW MEJ, FELLINGHAM S. *The effect of fortified SASKO bread on the vitamin status of an isolated rural community: A controlled clinical trial. Biennial Congress of Association for Dietetics in Southern Africa and the Nutrition Society. Stellenbosch, 1996.*

CHARLTON KE, LABADARIOS D, LOMBARD CJ. *Vitamin D status of older South Africans. Biennial Congress of Association for Dietetics in Southern Africa and the Nutrition Society. Stellenbosch, 1996.*

KLOPPER JF, LATSKY T, ABRAHAMS M, NIEMAND N, HERSELMAN MG, DE LANGE S. *Retrospective analysis of the weight changes in CAPD patients. Kongres van die Niersorg Vereniging. Bloemfontein, 1996.*

MOODIE I. *The stationary phase and support in high performance liquid chromatography. Part I. 33rd Convention of the South African Chemical Institute. Cape Town, 1996.*

MOODIE I. *The stationary phase and support in high performance liquid chromatography. Part II. Mass Spectrometry-Chromatography 1996. Christiana, 1996.*

### **Magister afgehandel/Master's completed**

PRINS HC. *Bone mineral density of endurance-trained male athletes: Pathophysiology of exercise-induced osteopenia. M. Voeding cum laude, 1996. 301 pp. Studieleier/ medestudieleier: Prof FS Hough/mev R Blaauw.*

### **Projekte afgehandel/Projects completed**

LABADARIOS D, BLAAUW R. *Comparison of two 10% lipid emulsions for use in patients receiving total parenteral nutrition.*

## **Projekte lopend/Projects current**

BLAAUW R. *The vitamin A, iron, immunisation and anthropometric status of children 6-71 months of age in the Western and Northern Cape.* Doktorale promotor: Prof D Labadarios.

BUYS D. *Evaluating the efficacy of a self-run training programme for maternity unit staff.* Magister studieleier: Prof D Labadarios.

COETZEE S. *The evaluation of the nutritional status of adolescents with pulmonary tuberculosis.* Magister studieleier: Prof D Labadarios.

CRAFFORD M, BOER C, KRITZINGER K, DE WAAL S. *Expectations of patients regarding dietetic services.* Studieleier: Me S Coetzee.

DEETLEFS M, ALLEY M, ACKERMANN E, BRINK A. *Malnutrition in surgical wards in Tygerberg Hospital.* Studieleier: Mev D Grobler-Barnard.

EKERMANS T, ROBERTS I, VAN DER WESTHUIZEN C, OCHSE J. *Assessment of glucose control in patients in intensive care units.* Studieleier: Mej A Prins.

GOEIMAN H. *Die kennis, houding en insig van moeders en gesondheidswerkers ten opsigte van die pad na gesondheidskaart.* Magister studieleier: Prof D Labadarios.

HERSELMAN MG, NEL M, MOSTERT D, MOOSA MR, FRANSMAN A. *Association between protein energy malnutrition and morbidity and mortality in haemodialysis patients.*

HOWES MF, DE VILLIERS M, STATHAM S, MENTOOR H, RHODA A, KOORNHOF HE, DREYER Y. *Bishop Lavis Gemeenskapsgesondheidsentrum: Gemeenskapsbeplanning en deelnemende bestuur.*

HUME C, KITSHOFF M, HODGSON L, LOUWRENS L. *Compliance to fluid restrictions in haemodialysis patients.* Studieleier: Dr MG Herselman.

LABADARIOS D, BLAAUW R. *Comparison of two 20% lipid emulsions for use in patients receiving total parenteral nutrition.*

LABADARIOS D, MOODIE IM. *Malawi national survey: Maternal and child vitamin A status.*

LABADARIOS D, MOODIE IM. *Micronutrient status of children under 6 years of age in Ethiopia.*

LABADARIOS D, VILAKATI D, MOODIE IM. *Vitamin A, iron and iodine status of children under 6 years of age in Swaziland.*

LOUW C, KITSHOFF M, VAN DER MERWE D, RICHTER M. *Knowledge of primary health care sisters on healthy breast feeding practices.* Studieleier: Mev W Du Toit.

MALHERBE D. *The efficacy of a nutrition education breakfast programme with primary school children in Mitchell's Plain.* Magister studieieier: Prof D Labadarios.

NEL M, LINGENFELDER A, JOOSTE A. *Serum cholesterol and triglycerides in relation to the inflammatory response.* Studieieier: Prof D Labadarios.

PENTZ M. *To determine and correct a magnesium deficiency in IDDM coloured women (18-45 years).* Magister studieieier: Prof D Labadarios.

ROTHMAN C, ROELOFSE B, WHITFIELD C, JACOBS L. *Paediatricians' knowledge on breastfeeding.* Studieieier: Mev L Koornhof.

STEENKAMP WFJ, MOOSA MR, KEYTER J, HERSELMAN MG, ALBERS C, BUYS M. *Adequacy of dialysis and nutritional status of patients on chronic ambulatory peritoneal dialysis.*

TSHITAUDZI G. *Nutritional status of pregnant adolescent women with special emphasis on iron and folic acid deficiencies.* Magister studieieier: Prof D Labadarios.

WILSON PA. *How effective is large scale tubefeed production? A comparison between manual and large scale tubefeed production (at TBH) and the use of ready made products.* Magister studieieier: Prof D Labadarios.

## **neurochirurgie / neurosurgery**

### **Referate internasionaal/Papers international**

HARTZENBERG HB. *Personal experience with Posterior Lumbar Interbody Fusion with the Ray Fusion Cage.* The 1st Combined TFC Lumbar Interbody Fusion and Steerable Endoscopic Discectomy Congress. Cebu Island Phillipines, 1996.

### **Magister afgehandel/Master's completed**

MORKEL AJ. *Brein absesse 'n 6 jaar retrospektiewe studie.* M.Med., 1996. 25 pp. Studieieier: Prof HB Hartzenberg.

### **Projekte lopend/Projects current**

HARTZENBERG HB. *Die funksionele neurologiese probleme in skafokefalie.*

HARTZENBERG HB. *Die resultate van posterior lumbale "interbody fusions" met "Cage" prosteses.*

VAN DER MERWE FL. *Spinale aragnoïedale siste - etiologiese faktore, kliniese benadering.*

## **oogheelkunde / ophthalmology**

### **Tydskrifartikels/Journal articles**

GIMBEL HV, MEYER D, DEBROFF BM, ROUX CW, FERENSOWICZ M. *Intraocular pressure response to combined phacoemulsification and*

trabeculotomy ab externo versus phacoemulsification alone in primary open-angle glaucoma. *Journal of Cataract Refractive Surgery* 1995; 21: 653-660.

GROBBELAAR JJ, ZISKIND A, DE JONG G, OOSTHUIZEN CJJ, KOTZE MJ. A novel deletion at codon 441 of the APC gene associated with ophthalmic lesion (CHRPE) in a South African family. *Journal Medical Genetics* 1996; 33: 384-386.

## Referate nasionaal/Papers national

ACTON J, KRUGER L. *Paintball Injuries - an eyesore*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

ACTON J, KRUGER L. *Paintball Injuries - an eyesore*. (Plakkaat) Kongres van die Oftalmologiese Vereniging van Suid-Afrika. Durban, 1996.

ACTON J, KRUGER L. *Paintball injuries - an eyesore*. S.A. Retinale Vereniging Kongres. Bloemfontein, 1996.

D'HOLLANDER F, MEYER D. *Influence of retrobulbar and peribulbar block on the pulsatile ocular blood flow*. Kongres van die Oftalmologiese Vereniging van Suid-Afrika. Durban, 1996.

MEYER D. *Pulsatile Ocular Bloodflow - Exploring the theoretical basis*. Kongres van die Oftalmologiese Vereniging van Suid Afrika. Durban, 1996.

OBERHOLSTER A, ESSELAAR LP. *An investigation into ultrasonic anterior capsulotomy in the human eye*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

OBERHOLSTER A, ESSELAAR LP. *An investigation into ultrasonic anterior capsulotomy in the human eye*. Kongres van die Oftalmologiese Vereniging van Suid-Afrika. Durban, 1996.

ZISKIND A, GROBBELAAR JJ. *The relationship between familial adenomatous polyposis and congenital hypertrophy of the retinal pigment epithelium*. Kongres van die Oftalmologiese Vereniging van Suid-Afrika. Durban, 1996.

## Patente/Patents

VICATOS G, OBERHOLSTER A, GIESECKE T. *Ultrasonic capsulotome*. SA Patent No. 96/2227.

## Projekte afgehandel/Projects completed

FAUL R. *Huidige stand van refraktiewe chirurgie met analise van Suid-Afrikaanse data*.

FINESTONE P, ESSELAAR LP. *An ophthalmological field study of the Kagga Kamma Bushmen*.

HOLMBERG NE, MEYER D, PARKIN DP, SEIFART HI. *Determination of isoniazid concentrations in human ocular aqueous humor following an oral dose*.

## Projekte lopend/Projects current

ACTON J. *Efficacy of prophylactic systemic antibodies in penetrating eye injuries without retained intra-ocular foreign body: A prospective randomised study.*

MEYER D, COETZEE A. *'n Ondersoek na die verband tussen pulsatiële okulêre bloedvloei en serebrale bloedvloei in die vark as proefdier.*

MEYER D, PARKIN DP, SEIFART HI. *A study of the clinical pharmacokinetics of Isoniasid in a population of Cape Coloured patients with cataract.*

MEYER D, WEVILL M, ACTON J. *A randomized double masked, parallel-group comparison of latanoprost 50µg/ml to timolol 5mg/ml in patients with open angle glaucoma or ocular hypertension.*

OOSTHUIZEN CJJ, MARX MP, ZISKIND A, ESSELAAR LP. *Investigation into the genetic basis of age-related macular degeneration (ARMD).*

VAN DIJK S, MEYER D. *Intra-sklerale glasbalimplantings na eviserasie chirurgie - 'n modifikasie van die tegniek.*

## oor-, neus- en keelheekunde / otorhinolaryngology

### Tydskrifartikels/Journal articles

GREGOR RT, HART AAM, OEI SS, HILGERS FJM, BALM AJM, KEUS RB. Management of cervical metastases in supraglottic cancer. *Annals of Otolary, Rhinology & Laryngology* 1996; 105: 845-850.

GREGOR RT, OEI SS, BARIS G, KEUS RB, BALM AJM, HILGERS FJM. Supraglottic laryngectomy with postoperative radiation versus primary radiation in the management of supraglottic laryngeal cancer. *American Journal of Otolaryngology* 1996; 18: 316-321.

GREGOR RT, VALDÉS OLMOS R, KOOPS W, BALM AJM, HILGERS FJM, HOEFNAGEL CA. Preliminary experience with Thallous Tl-201 labeled singled-photon emission computed tomography scanning in head and neck cancer. *Archives of Otolaryngology/Head & Neck Surgery* 1996; 122: 509-514.

VERSCHUUR HP, HILGERS FJM, BALM AJM, GREGOR RT. The tracheostoma in relation to prosthetic voice rehabilitation. *Laryngoscope* 1996; 106: 111-115.

VERSCHUUR HP, KEUS RB, HILGERS FJM, BALM AJM, GREGOR RT. Preservation of function by radiotherapy of small primary carcinomas preceded by neck dissection for extensive nodal metastases of the head and neck. *Head & Neck* 1996; 18: 277-282.

### Referate internasionaal/Papers international

GREGOR RT. *Compression-decompression injuries of the larynx.* (Panel on Laryngotracheal Injury). Sisson International Head and Neck Symposium. Vail, Colorado, USA, 1996.

GREGOR RT. *The value of SPECT Scanning with Tl-201 in head and neck cancer.* The 4th International Conference on Head and Neck Cancer. Toronto, Canada, 1996.

GREGOR RT, HILGERS FJM. *Speech and pulmonary rehabilitation after laryngectomy.* Meeting of the American Academy of ORL-HNS. Washington, D.C., 1996.

### **Referate nasionaal/Papers national**

GREGOR RT. *The management of chyle leak after neck dissection and tumours of the external auditory canal.* Head and Neck Symposium. University of Cape Town, Waterfront, 1996.

GREGOR RT, HILGERS FJM. *The provox speech rehabilitation system for post-laryngectomy voice rehabilitation.* Symposium of Surgery of the Voice (US CME Division). Waterfront, Cape Town, 1996.

NAUDÉ N, GREGOR RT, LOOCK J. *'n Vergelyking van droë en nat fascia in tympanoplastiek.* Vergadering van die Suid-Afrikaanse Vereniging van Otorinolaringologie - Kop- en Nekchirurgie. Durban, 1996.

### **Magister afgehandel/Master's completed**

NAUDÉ N. *Ondervinding met outoloë temporale fascia onderlê transplante in miringoplastiek in Tygerberg Hospitaal.* M.Med. cum laude, 1996. 91 pp. Studieleier: Prof RT Gregor.

### **Projekte lopend/Projects current**

DE VILLIERS E, GREGOR RT. *The use of adjuvant chemotherapy in treating nasopharyngeal carcinoma in Tygerberg Hospital.* Magister studieleier: Prof RT Gregor.

KNAPPE M, GREGOR RT. *The value of ultrasound for assessing nodal metastases in upper aerodigestive squamous carcinoma.* Magister studieleier: Prof RT Gregor.

LOUW W, SWART S, GREGOR RT. *Chirurgiese prosedure vir die optimale postlaringektomie stemrehabilitasie met die PROVOX® stemprostese.* Magister studieleier: Prof RT Gregor.

## **ortopedie / orthopedics**

### **Tydskrifartikels/Journal articles**

VLOK GJ. Assessing functional impairment of lower backache. *SA Bone and Joint Surgery* 1996; VI(5): 9-10.

### **Referate nasionaal/Papers national**

ROSSOUW WC *Non-reamed intra-medullary nailing of closed and type I open tibial fractures.* 42nd SAOA Congress. Johannesburg, 1996.

ROSSOUW WC DE BEER JF. *Medio-lateral pinning of Alman type I fractures of the clavicle*. 42nd SAOA Congress. Johannesburg, 1996.

WADE WJ. *Management of large bone defects in the lower limbs*. SAOA Instructional Course. Bloemfontein, 1996.

### **Projekte afgehandel/Projects completed**

ACKERMAN CW. *Intra-medullary fixation with "Bailey Dubow" telescoping rods in osteogenesis imperfecta*.

DE JAGER NJ. *Proximal femorectomy in the treatment of trochanteric pressure sores in spinal cord injured patients*.

DE MUNNIK A. *The "Grice" procedure (Fulford modifikasie)*.

MARAIS JF, WADE W, VLOK GJ. *Hip arthrodesis in adolescent patients and the influence thereof on ipsilateral knee stability*.

### **Projekte lopend/Projects current**

DU TOIT RG, ERASMUS P. *Static and dynamic stability of the patella*.

GUNTER NJ, WADE WJ. *A review of Blounts disorder of the proximal tibia to establish a treatment protocol*.

VAN ZYL O, WADE WJ. *Slipped upper femoral epiphysis - a 12 year follow-up at Lady Michaelis Orthopaedic Hospital*.

VLOK GJ. *The incidence and natural history of scoliosis in the Western Cape*.

## **pediatrie en kindergesondheid \ paediatrics and child health**

### **Tydskrifartikels/Journal articles**

BEYERS AD, DONALD PR, VAN HELDEN PD, EHLERS MRW, STEYN L, MIZRAHI V. Tuberculosis research - the way forward. *South African Medical Journal* 1996; 86(1): 30-33.

BEYERS N, GIE RP, ZIETSMAN HL, KUNNEKE M, HAUMAN J, TATLEY M, DONALD PR. The use of a geographical information system (GIS) to evaluate the distribution of tuberculosis in a high-incidence community. *South African Medical Journal* 1996; 86(1): 40-44.

BOTHA FJH, SIRGEL FA, PARKIN DP, VAN DE WAL BW, DONALD PR, MITCHISON DA. Early bactericidal activity of ethambutol, pyrazinamide and the fixed combination of isoniazid, rifampicin and pyrazinamide (Rifater) in patients with pulmonary tuberculosis. *South African Medical Journal* 1996; 86(2): 155-158.

DONALD PR, BEYERS N, ROOK GAW. Adolescent tuberculosis. *South African Medical Journal* 1996; 86: 231-232.

DONALD PR, COTTON MF, HENDRIKS MK, SCHAAF HS, DE VILLIERS JN, WILLEMSE TE. Pediatric meningitis in the Western Cape Province of South Africa. *Journal of Tropical Pediatrics* 1996; 42: 256-261.

DONALD PR, PARKIN DP, SEIFART HI, SCHOEMAN, JF, VAN ZYL LE. Drug treatment of tuberculosis meningitis in children. *CNS Drugs* 1996; 1: 12-22.

DONALD PR, SCHAAF HS, GIE RP, BEYERS N, SIRGEL FA, VENTER A. An assessment of stool microscopy and culture for the confirmation of the diagnosis of pulmonary tuberculosis. *Journal of Tropical Paediatrics* 1996; 42: 311-312.

GIE RP. The wheezy infant. Is there asthma or can there be other causes? *CME* 1996; 14(4): 457-468.

HALL DR, SMITH M, SMITH J. Maternal factors contributing to asphyxia neonatorum. *Journal of Tropical Pediatrics* 1996; 42: 192-195.

HENDRICKS MK, SENEKAL M. Community-acquired *Pseudomonas aeruginosa* infection in an infant. *Annals of Tropical Paediatrics* 1996; 16: 203-206.

HESSELING PB, WESSELS G. Granulocyte macrophage colony stimulating factor (GM-CSF) after cyclophosphamide treatment in the 1983 BFM acute lymphoblastic leukaemia protocol improves delivery of scheduled chemotherapy. *South African Journal of Science* 1996; 92: 247-249.

HUBREGHTSE T, VAN DER MERWE P-L, KALIS NN. Paediatric Cardiology. Down syndrome - congenital heart disease. *Cardiovascular Journal of Southern Africa* 1996; 86 (Supplement 4): C209-C211.

JORDAAN HF, SCHNEIDER JW, SCHAAF HS, VICTOR TS, GEIGER DH, VAN HELDEN PD, ROSSOUW DJ. Papulonecrotic tuberculid in children. *The American Journal of Dermatopathology* 1996; 18(2): 172-185.

KALIS NN, VAN DER MERWE P-L, GIE RP. Pseudocoarctation (congenital kinking) of the aorta with aneurysm formation. *Cardiovascular Journal of Southern Africa* 1996; 86(Supplement 5): C268-C270.

KIRSTEN GF, KIRSTEN CL, FABER M, COLLETT C, MITCHELL CA, BIRD AR. Introduction of a donor exposure reduction programme for multiple-transfused very-low-birth-weight infants. *South African Medical Journal* 1996; 86(11): 1460-1465.

KIRSTEN GF, SMITH J, PIEPER C, BIRD A, VAN ALPHEN G, WESSELS G, RIPHAGEN S, MOORE S. The necessity for T-Cryptantigen activation screening in babies with necrotizing enterocolitis. *South African Medical Journal* 1996; 86(5): 546-548.

KUPPENS S, SCHAAF HS, DONALD PR. The road to health card in a paediatric outpatient department and two Western Cape day hospitals. *Geneeskunde* 1996; 38(6): 23-27.

LEVIN SE, DU PLESSIS J, VAN DER MERWE P-L, LAWRENSON J, BRINK AJ. Cardiovascular profile - Paediatric cardiology Part 1. *Cardiovascular Journal of Southern Africa* 1996; 86(Supplement 4): C220-C227.



LEVIN SE, DU PLESSIS J, VAN DER MERWE P-L, LAWRENSON J, BRINK AJ. Cardiovascular profile - Paediatric cardiology Part 2. *Cardiovascular Journal of Southern Africa* 1996; 86(Supplement 5): C276-C284.

PRETORIUS GS, SIRGEL FA, SCHAAF HS, VAN HELDEN PD, VICTOR TC. Rifampicin resistance in *Mycobacterium tuberculosis* - rapid detection and implications in chemotherapy. *South African Medical Journal* 1996; 86(1): 50-55.

REYBROUCK T, MERTENS L, KALIS NN, WEYMANS M, DOMOULIN M, DAENEN W, GEWILLIG M. Dynamics of respiratory gas exchange in patients after surgical correction of cyanotic congenital heart disease. *Journal of Applied Physiology* 1996; 80(2): 458-463.

SCHAAF HS. Primary care. *Care & Cure* 1996: 5.

SCHAAF HS, BOTHA P, BEYERS N, GIE RP, VERMEULEN HAS, GROENEWALD P, COETZEE GJ, DONALD PR. The 5-year outcome of multidrug resistant tuberculosis patients in the Cape Province of South Africa. *Tropical Medicine and International Health* 1996; 1(5): 718-722.

SCHAAF HS, NEL ED, BEYERS N, GIE RP, SCOTT F, DONALD PR. A decade of experience with *Mycobacterium tuberculosis* culture from children: A seasonal influence on incidence of childhood tuberculosis. *Tubercle and Lung Disease* 1996; 77: 43-46.

SCHMIDT SJ, BEYERS N, GIE RP, BARDIN P. Tuberculosis: A historical perspective. *South African Respiratory Journal* 1996; 2(3): 38-41.

SCHOEMAN JF, HONEY EM, LOOCK DB. Raised ICP in a child with cryptococcal meningitis: CT evidence of a distal CSF block. *Child's Nervous System* 1996, 12: 568-571.

SMEDEMA JP, DOUBELL A, KALIS NN, GIE RP. Congenital unilateral absence of a pulmonary artery as an isolated finding and UAPA with contralateral peripheral pulmonary artery stenosis. *Cardiovascular Journal of Southern Africa* 1996; 86(Supplement 5): C258-C261.

SMITH J, KLING S, GIE RP, VAN ZYL J, KIRSTEN GF, NEL ED, SCHNEIDER JW. Bronchopulmonary dysplasia in infants with respiratory distress syndrome in a developing country: a prospective single centre-based study. *European Journal of Pediatrics* 1996; 155: 672-677.

SMUTS CM, TICHELAAR HY, KIRSTEN GF. The vital role of essential fatty acid metabolites in normal growth and development of preterm infants - new perspectives. *South African Medical Journal* 1996; 86(8): 933-934.

STROZIK KS, VAN SCHALKWYK HJS. Ambiguous genitalia in newborn baby - the simple approach. *Pedmed* 1996: 4-8.

STROZIK KS, WALELE AH, HOFFMAN H. Bezoar in a preterm baby associated with sucralfate. *Clinical Pediatrics* 1996; 35(8): 423-424.

VAN DER MERWE PL, KALIS N, GIE RP, CARLINI SM. Cardiac troponin T - a sensitive and specific new marker of myocardial damage in acute transmural infarction. *Cardiovascular Journal of Southern Africa* 1996; 86(Supplement 1): C8-C10.

VAN DER MERWE PL, KALIS N, GIE RP, DUMOULIN M, GEWILLIG M. Cardiovascular topics. Congenitally absent pulmonary veins - diagnostic pitfalls. *Cardiovascular Journal of Southern Africa* 1996; 86(Supplement 3): C137-C141.

WARREN R, HAUMAN J, BEYERS N, RICHARDSON M, SCHAAF HS, DONALD PR, VAN HELDEN PD. Unexpectedly high strain diversity of *Mycobacterium tuberculosis* in a high-incidence community. *South African Medical Journal* 1996; 86(1): 45-49.

WARREN R, RICHARDSON M, SAMPSON S, HAUMAN JH, BEYERS N, DONALD PR, VAN HELDEN PD. Genotyping of *mycobacterium tuberculosis* and additional markers enhances accuracy in epidemiological studies. *Tydskrif* 1996; 34(9): 2219-2224.

WEINREB M, DAY PJR, NIGGLI F, POWELL JE, RAAFAT F, HESSELING PB, SCHNEIDER JW, HARTLEY PS, TZORTZATOU-STATHOPOULOU F, KHALEK ERA, MANGOUD A, EL-SAFY UR, MADANAT F, SHEYYAB MA, MPOFU C, REVESZ T, RAFII R, TIEDEMANN K, WATERS KD, BARRANTES JC, NYONGO A, RIYAT MS, MANN JR. The role of Epstein-Barr virus in Hodgkin's disease from different geographical areas. *Archives of Disease in Childhood* 1996; 74: 27-31.

WESSELS G, HESSELING PB. Outcome of children treated for cancer in the Republic of Namibia. *Medical and Pediatric Oncology* 1996; 27: 160-164.

WESSELS G, HESSELING PB. Unusual distribution of childhood cancer in Namibia. *Pediatric Hematological Oncology* 1996; 13: 9-20.

WESSELS G, HESSELING PB, VAN DER MERWE HP. Bone involvement in childhood acute lymphoblastic leukaemia. *East African Medical Journal* 1996; 73(2): 126-128.

### **Verrigtinge internasionaal/Proceedings international**

HESSELING PB, WESSELS G, BESTER R, GROENEWALD W. *MIBG treatment in 8 children with advanced neuroblastoma*. Siop XXVIII Meeting. 1996; *Medical and Pediatric Oncology* 1996; 27(4): 334.

SMITH J, DHANSAY MA, VAN STUIJVENBERG M, PIEPER CH, KLING S, HENNING PA, KIRSTEN GF, HALL D, CHYTIL F. *A randomized, controlled trial of enteral vitamin A supplementation in infants susceptible to bronchopulmonary dysplasia*. 1996 International Conference. New Orleans, Louisiana, 1996; *American Journal of Respiratory and Critical Care Medicine* 1996; 153(4): A500.

### **Verrigtinge nasionaal/Proceedings national**

HENDRICKS MK, CUEVAS LE, HART CA. *Rotavirus diarrhea in Thai infants and children*. *Infant Nutrition Digest* 1996; 2: 10-11.

KALIS NN, VAN DER MERWE P-L, NEL ED, GIE RP. *Pulmonary tuberculosis in children with rheumatic carditis*. Southern Africa Cardiac Society 20th Biennial Congress. 1996; *Cardiovascular Journal of Southern Africa* 1996; 86(6): 1-7.

VAN DER MERWE P-L, KALIS NN. *Sydenhams Chorea: The role of special investigations*. Southern Africa Cardiac Society 20th Biennial Congress. 1996; *Cardiovascular Journal of Southern Africa* 1996; 86(6): 1-6.

### **Referate internasionaal/Papers international**

BEYERS N, GIE RP, BESTER D, COOPER RC, BOUIC PJD, ROOK GAW, DONALD PR. *Hormonal changes and the regulation of the Th1/Th2 balance in adolescents with tuberculosis*. Third International Conference on the Pathogenesis of Mycobacterial Infections. Stockholm, Sweden, 1996.

HESELING PB, WESSELS G, VAN RIET FA. *Medulloblastoma: Outcome of treatment*. Second Continental Meeting of the International Society of Pediatric Oncology in Africa. Kairo, Egipte, 1996.

SCHAAF HS, BEYERS N, GIE RP, VERMEULEN H, BOTHA P, GROENEWALD P, COETZEE GJ, DONALD PR. *The 5-year outcome of multidrug resistant tuberculosis (MDR TB) patients in the Cape Province of South Africa*. 7th International Congress for Infectious Diseases. Hong Kong, 1996.

SCHAAF HS, BEYERS N, GIE RP, VERMEULEN H, VAN SCHALKWYK E, DONALD PR. *An evaluation in a developing community of the childhood contacts of adults excreting multidrug resistant M.tuberculosis organisms*. 7th International Congress for Infectious Diseases. Hong Kong, 1996.

WESSELS G, HESELING PB. *Practical considerations in the use of French LMB-89 Protocol for B-cell lymphoma*. Second Continental Meeting of the International Society of Pediatric Oncology in Africa. Kairo, Egipte, 1996.

### **Referate nasionaal/Papers national**

BEYERS N. *TB epidemiology - new techniques*. Tweejaarlikse Kongres van die Suid-Afrikaanse Pediatriese Vereniging en die Suid-Afrikaanse Vereniging van Pediatriese Chirurge. Bloemfontein, 1996.

BEYERS N. *TB epidemiology - new techniques*. Tweejaarlikse Kongres van die Suid-Afrikaanse Pediatriese Vereniging en die Suid-Afrikaanse Vereniging van Pediatriese Chirurge. Bloemfontein, 1996.

BEYERS N, GIE RP, BESTER D, COOPER RC, BOUIC PJD, ROOK GAW, DONALD PR. *Hormonal changes and the regulation of the Th1/Th2 balance in adolescents with tuberculosis*. XIII Suid-Afrikaanse Pulmonologie Kongres. Wildernis, 1996.

BEYERS N, GIE RP, WARREN R, HAUMAN J, VAN HELDEN P, ZIETSMAN L, DONALD PR. *The distribution and spread of Tuberculosis in a community with a high incidence of Tuberculosis*. XIII Suid-Afrikaanse Pulmonologie Kongres. Wildernis, 1996.

COTTON MF, CASSELLA C, RAPAPORT EL, MARSCHNER S, FINKEL TH. *Apoptosis in Simian immunodeficiency virus-infected lymph nodes and peripheral blood lymphocytes: Which cells die?* Tweejaarlikse Kongres van die Suid-Afrikaanse Pediatriese Vereniging en die Suid-Afrikaanse Vereniging van Pediatriese Chirurge. Bloemfontein, 1996.

COTTON MF, IKLE DN, RAPAPORT EL, MARSCHNER S, TSANG N, FINKLE TH. *Apoptosis of CD4+ and CD8+ T Cells isolated immediately ex vivo correlates with disease severity in HIV-1 infection*. Tweejaarlikse Kongres van die Suid-Afrikaanse Pediatriese Vereniging en die Suid-Afrikaanse Vereniging van Pediatriese Chirurge. Bloemfontein, 1996.

DHANSAY MA, SMITH J, VAN STUIJVENBERG ME, KIRSTEN GF, PIEPER GF, HALL D. *Plasma levels of retinol and retinol binding protein in normotensive pregnant women and women with pre-eclampsia, delivering prior to 34 weeks*. Nutrition Congress. 1996.

DONALD PR. *New forms of treatment for tuberculosis*. XIII Suid-Afrikaanse Pulmonologie Kongres. Wildernis, 1996.

DONALD PR, BEYERS N, GIE RP, SCHAAF HS, ZIETSMAN L, TATLEY M. *Childhood tuberculosis in a high incidence community in the Western Cape Province*. XIII Suid-Afrikaanse Pulmonologie Kongres. Wildernis, 1996.

DONALD PR, SIRGEL FA, BOTHA FJH, PARKIN DP, VAN DE WAL BW, MARITZ JS, MITCHISON DA. *The early bactericidal activity of different dosages of isoniazid in patients with newly diagnosed pulmonary tuberculosis*. XIII Suid-Afrikaanse Pulmonologie Kongres. Wildernis, 1996.

ELLIS J, BEYERS N, VAN HELDEN P, DONALD PR, WARREN R. *The tuberculosis epidemic in Ravensmead and Uitsig - a multidisciplinary research study*. PAAA/AASA Conference. Pretoria, 1996.

GIE RP, BEYERS N, COOPER R, BOUIC PJD, DONALD PR. *The down regulation of the immune response in children with primary tuberculosis*. XIII Suid-Afrikaanse Pulmonologie Kongres. Wildernis, 1996.

HENNING PA, LEBUSO K. *Radiology of the neonate. The video. Part 4. Respiratory disorders 2*. 15th Conference on Priorities in Perinatal Care in Southern Africa. Goudini Spa, 1996.

KALIS NN, VAN DER MERWE P-L, NEL ED, GIE RP. *Pulmonary tuberculosis in children with rheumatic carditis*. 20th Biennial Congress, SA Cardiac Society. Wild Coast, 1996.

KIRSTEN GF, KIRSTEN CL. *A comparative profile of infants ventilated in tertiary and private intensive care units in South Africa*. 15th Conference on Priorities in Perinatal Care in Southern Africa. Goudini Spa, 1996.

KIRSTEN G, SMUTS M, TICHELAAR HY, FABER M, SMITH J, HALL D, DHANSAY MA. *Impact of severe pre-eclampsia on maternal and cord erythrocyte membrane essential fatty acid (EFA) levels*. Nutrition Congress. Waar, 1996.

PIEPER CH, SMITH J, KIRSTEN GF, MAREE D, POHL FC. *A randomised controlled trial of nasal continuous positive airway pressure in very low birthweight infants refused access to a neonatal intensive care unit - results of a pilot study*. 15th Conference on Priorities in Perinatal Care in Southern Africa. Goudini Spa, 1996.

PIEPER CH, SMITH J, KIRSTEN GF, MAREE D, POHL FC. *The use of nasal continuous positive airway pressure in very low birthweight infants*. Tweejaarlikse Kongres van die Suid-Afrikaanse Pediatriese Vereniging en die Suid-Afrikaanse Vereniging van Pediatriese Chirurge. Bloemfontein, 1996.

PRETORIUS M, SMITH J, CARLINI SM, SCHOEMAN JF. *Cerebrospinal fluid-adenylate kinase in asphyxiated neonates; correlation with EEG background patterns and neurological outcome*. 15th Conference on Priorities in Perinatal Care in Southern Africa. Goudini Spa, 1996.

SCHOEMAN JF, PRETORIUS M, LOOCK D, RAVENSCROFT A. *Myelinoclastic diffuse clerosis (Schilder's disease) in 3 children*. Tweejaarlikse Kongres van die Suid-Afrikaanse Pediatriese Vereniging en die Suid-Afrikaanse Vereniging van Pediatriese Chirurge. Bloemfontein, 1996.

SMITH J. *Advances in the management of respiratory distress of the newborn*. Tweejaarlikse Kongres van die Suid-Afrikaanse Pediatriese Vereniging en die Suid-Afrikaanse Vereniging van Pediatriese Chirurge. Bloemfontein, 1996.

SMITH J, DHANSAY MA, VAN STUIJVENBERG M, PIEPER CH, KLING S, HENNING PA, KIRSTEN GF, HALL D, CHYTIL F. *A randomized, controlled trial of enteral vitamin a supplementation in infants susceptible to bronchopulmonary dysplasia*. 15th Conference on Priorities in Perinatal Care in Southern Africa. Goudini Spa, 1996.

SMITH J, GIE RP, KIRSTEN GF, BUTTNER GM, SWART F. *Postnatal factors could be more important determinants of lung growth and function than prenatal causes manifesting with abnormal umbilical doppler waveforms*. XIII Suid-Afrikaanse Pulmonologie Kongres. Wildernis, 1996.

SMITH J, MAREE DM, GIE RP, PIEPER CH, KIRSTEN GF. *Respiratory compliance prior to extubation in very low birth weight (VLBW) premature infants using hot wire anemometry*. XIII Suid-Afrikaanse Pulmonologie Kongres. Wildernis, 1996.

SMUTS CM, DHANSAY MA, TICHELAAR HY, KIRSTEN GF, FABER M, SMITH J, SCHOEMAN S, BENADE AJS. *Cord blood essential fatty acid metabolite status in infants of different gestational ages: Implications for breastfeeding*. Nutrition Congress. 1996.

STROZIK KS, NEL ED. *Bowel habits in preterm babies with necrotizing enterocolitis*. Tweejaarlikse Kongres van die Suid-Afrikaanse Pediatriese Vereniging en die Suid-Afrikaanse Vereniging van Pediatriese Chirurge. Bloemfontein, 1996.

STROZIK KS, PIEPER CH, COOLS F. *Capillary refilling time in newborns - optimal pressing time, sites of testing and normal values*. Tweejaarlikse Kongres van die Suid-Afrikaanse Pediatriese Vereniging en die Suid-Afrikaanse Vereniging van Pediatriese Chirurge. Bloemfontein, 1996.

SWART F, BUTTNER Z, WALZL G, VAN SCHALKWYK E, WYSER C VAN DE WAL B. *Lung function and radiological outcome of treated tuberculous pleural effusion : A twelve months follow-up study*. XIII Suid-Afrikaanse Pulmonologie Kongres. Wildernis, 1996.

VAN DER MERWE P-L. *The future of the full-time specialist in Academic Health Services Complexes in South Africa*. Tweejaarlikse Kongres van die Suid-Afrikaanse Pediatriese Vereniging en die Suid-Afrikaanse Vereniging van Pediatriese Chirurge. Bloemfontein, 1996.

VAN DER MERWE PL, KALIS NN. *Down syndrome: congenital heart disease*. Tweejaarlikse Kongres van die Suid-Afrikaanse Pediatriese

Vereniging en die Suid-Afrikaanse Vereniging van Pediatriese Chirurge. Bloemfontein, 1996.

VAN DER MERWE PL, KALIS NN. *Sydeham Chorea: The role of special investigations*. 20ste Tweejaarlikse Kongres van die Suid-Afrikaanse Kardiologie Vereniging. Wildekus, 1996.

WEBER HC, BEYERS N, GIE RP, SCHAAF HS, DONALD PR. *A retrospective study of adolescents with Tuberculosis in the Western Cape*. XIII Suid-Afrikaanse Pulmonologie Kongres. Wildernis, 1996.

WESSELS G, HESSELING PB. *Comparison of LMB and other protocols in children with B-cell lymphomas*. Tweejaarlikse Kongres van die Suid-Afrikaanse Pediatriese Vereniging en die Suid-Afrikaanse Vereniging van Pediatriese Chirurge. Bloemfontein, 1996.

### **Doktoraal afgehandel/Doctoral completed**

KIRSTEN GF. *The long term neurodevelopmental outcome of infants born to mothers with severe pre-eclampsia and absent end-diastolic umbilical artery flow velocity wave forms*. M.D., 1996. 296 pp. Promotor/medepromotor: Prof HJ Odendaal/prof JF Schoeman.

### **Projekte afgehandel/Projects completed**

DONALD PR, SCHAAF HS, BEYERS N, GIE RP. *Delay in diagnosis, notification and initiation of treatment and compliance in children with tuberculosis*.

DONALD PR, SCHAAF HS, BEYERS N, GIE RP. *Kliniese beeld van TB*.

DONALD PR, SCHAAF HS, BEYERS N, GIE RP. *Missed opportunities in the diagnosis of pulmonary tuberculosis in children*.

DONALD PR, SCHAAF HS, BEYERS N, GIE RP. *Seisoensinsidensie van TB*.

DONALD PR, SCHAAF HS, BEYERS N, GIE RP. *Tuberculosis in infants less than 3 months of age*.

DONALD PR, SCHAAF HS, BEYERS N, GIE RP. *The value of the lateral chest radiograph in diagnosing hilar adenopathy in childhood tuberculosis*.

HESSELING PB, WESSELS G. *ICS 205-930 in chemotherapy-induced nausea/vomiting in children*.

PIEPER CH. *Clinical risk index for babies (CRIB). International study*.

SCHOEMAN JF, McCracken G. *Die bepaling van TNF alpha en IL-1 beta in die SSV van kinders met TB meningitis*.

### **Projekte lopend/Projects current**

BEYERS N, DONALD PR, SCHOEMAN JF, CARLINI S. *Adenilaat-kinase waardes as voorspelling van uitkoms in TB-meningitis*.

BEYERS N, DONALD PR, SCHOEMAN JF, CARLINI S. *Adenilaat-kinase waardes in meningitis.*

BEYERS N, SCHAAF HS, DONALD PR, GIE RP, SMUTS N. *The epidemiology of tuberculosis in a defined community and immunological risk factors for the development of disease in children.*

BEYERS N, SCHAAF HS, DONALD PR, GIE RP, SMUTS N. *An evaluation of the immunology, epidemiology and clinical presentation of tuberculosis in adolescents and their compliance with treatment.*

BEYERS N, SCHAAF HS, DONALD PR, GIE RP, SMUTS N. *Flow cytometric analysis of peripheral blood lymphocytes from children with active tuberculosis.*

BEYERS N, SCHAAF HS, DONALD PR, GIE RP, SMUTS N, GROENEWALD P, WILCOX P. *An evaluation in a developing community of the childhood contacts of adults excreting resistant M.tuberculosis and of the problems surrounding management of such children.*

BEYERS N, SCHAAF HS, DONALD PR, GIE RP, VICTOR T, VAN HELDEN P. *Urine-kweking vir M.tuberculosis en urine PKR as hulpmiddel vir die diagnose van TB in kinders.*

CARLINI S, HESSELING PB, WESSELS G, VAN DER RIET F, NEL E. *Streptokritte, a-1-antitripsien en reduserende stowwe op stoelgang van kinders met kanker.*

CARLINI S, HUGO F. *Bepaling van adenilaat-kinase in psigiatriese toestande.*

CARLINI S, SCHOEMAN JF. *Bepaling van adenilaat-kinase in kinders met hidrocefalus.*

CARLINI S, SCHOEMAN JF. *Bepaling van adenilaat-kinase in kinders met sistiserkose.*

CARLINI S, SCHOEMAN JF, PRETORIUS M-L, SMITH J. *Bepaling van adenilaat-kinase in neonate met meningitis.*

CARLINI S, SCHOEMAN JF, ZIEFF T. *Bepaling van adenilaat-kinase in kinders met tuberkulose.*

DONALD PR, SCHAAF HS, BEYERS N, GIE RP. *Hematologie van kinders met TB.*

DONALD PR, SCHAAF HS, BEYERS N, GIE RP. *Mantoux vs Tine.*

DONALD PR, SCHAAF HS, BEYERS N, GIE RP, SMUTS N, WEBER H. *Tuberkulose in adolessente - retrospektiewe studie.*

DONALD PR, SCHAAF HS, BEYERS N, GIE RP, VAN ZYL S, JOLLANDS CJ. *Prospektiewe analise van TB kontak opsporing.*

DONALD PR, SCHAAF HS, BEYERS N, GIE RP, VAN ZYL S, JOLLANDS CJ. *Retrospektiewe analise van TB kontak opsporing.*

GIE RP, KLING S. *Etiologie van ernstige pneumonie in klein kinders.*

GIE RP, KLING S. *Verloop en uitkoms van ernstige pneumonie in klein kinders.*

GIE RP, SCHAAF HS, BEYERS N, DONALD PR, BOTHA P. *Die effek van multi-weerstandige tuberkulose op families.*

GIE RP, SMITH J, PIEPER C, MÖHRCKEN S, HONEY E. *Kliniese beeld van BPD in 'n ontwikkelende land.*

GIE RP, SMITH J, PIEPER C, MÖHRCKEN S, HONEY E. *Kongenitale sifilis van die longe.*

GIE RP, SMITH J, PIEPER C, MÖHRCKEN S, HONEY E. *Rekenaartomografie van BPD.*

HESELING PB, WESSELS G. *Bepaling van die doeltreffendheid en nuwe-effekte van GMCSF terapie in pasiënte wat chemoterapie ontvang vir akute limfoblastiese leukemie met BFM 1983 protokol.*

HESELING PB, WESSELS G, NEL E, LABADARIOS D, VAN RIET F. *Die effek van onkoterapie op die absorpsie en verlies van proteïen, vette en koolhidrate in die dermkanaal.*

KLING S. *Ouers se kennis van asma.*

KLING S, GIE RP. *Brongo-alveolêre spoeling in pneumonie.*

SCHOEMAN JF. *Steroïede in kinders met TB meningitis : effek op intrakraniale druk, infarkties (soos gemonitor met RT) en kliniese uitkoms.*

SCHOEMAN JF. *'n Studie oor normale-druk-hidrocefalus in kinders. Fisiese, RT, IKD en SSV bevindings word genoteer om te bepaal watter pasiënte ventrikulo-peritoneale (VP) omleiding benodig.*

SCHOEMAN JF, HESSELING PB. *'n Studie oor die patogenese van enkel granulomata van die brein in kinders met epilepsie.*

SCHOEMAN JF, HESSELING PB, ZIEFF T. *A MR-Study on children with single granulomatous lesions of the brain.*

SCHOEMAN JF, McCracken G. *Die effek van deksametasoon op die uitkoms van neonatale meningitis. 'n Multisenter studie.*

SCHOEMAN JF, STANDER H, PARKIN D. *'n Studie oor die farmakokinetika van Epanutin in kinders met epilepsie. Die Vd, Vmax en Km van elke pasiënt word bepaal om die terapie sodoende te individualiseer.*

VAN DER MERWE PL, KALIS NN. *Die gebruik van kardiopronen-T bepalings om hartspierskade in pasiënte met rumatiekkoors te bepaal.*

VAN DER MERWE PL, KALIS NN. *Kongenitale hartsiekte: bekostigbaarheid van mediese en chirurgiese intervensie.*



WESSELS G, LABADARIOS D, HESSELING PB. *Evaluating of nutritional status and nutritional support in children with malignancies.*

## **plastiese en rekonstruktiewe chirurgie / plastic and reconstructive surgery**

### **Verrigtinge internasionaal/Proceedings international**

ZEEMAN B, SCHNEIDER J. *Cranial fasciitis of childhood.* Proceedings of the Sixth International Congress of the International Society of Craniofacial Surgery. Saint-Tropez, French Riviera, 1995: 75-76.

### **Referate nasionaal/Papers national**

ENGELBRECHT JA. *Immediate (24 hours) bone grafting - bullet wound fracture, metacarpal and phalanges.* Kongres van die Vereniging van Plastiese en Rekonstruktiewe Chirurge van Suidelike Afrika (VPRCSA). Johannesburg, 1996.

GRAWE F. *MRI study of the hand abnormalities in Apert Syndrome.* Kongres van die Vereniging van Plastiese en Rekonstruktiewe Chirurge van Suidelike Afrika (VPRCSA). Johannesburg, 1996.

STRUWIG D. *Transcranial reconstruction of scaphocephaly: An audit of functional and neurological outcome.* Kongres van die Vereniging van Plastiese en Rekonstruktiewe Chirurge van Suidelike Afrika (VPRCSA). Johannesburg, 1996.

STRYDOM WJ. *Distally based superficial sural artery flap.* Kongres van die Vereniging van Plastiese en Rekonstruktiewe Chirurge van Suidelike Afrika (VPRCSA). Johannesburg, 1996.

VAN DEVENTER PV. *The bloodsupply of the areola and nipple in the human mammary gland.* Kongres van die Vereniging van Plastiese en Rekonstruktiewe Chirurge van Suidelike Afrika (VPRCSA). Johannesburg, 1996.

## **psigiatrie / psychiatry**

### **Tydskrifartikels/Journal articles**

ALLAN A, LOUW DA. Law and psychology in South Africa: Development and recommendations. *Medicine and Law* 1995; 14: 685-692.

ALLAN A, LOUW DA, VERSCHOOR T. Expert evidence: The emergence of psychiatry and psychology. *Medicine and Law* 1995; 14: 677-684.

ALLAN A, LOUW DA, VERSCHOOR T. The law and psychology: A historical perspective. *Medicine and Law* 1995; 14: 671-676.

BOUWER C, HARVEY BH. Phasic craving for carbohydrate observed with citalopram. *International Clinical Psychopharmacology* 1996; 11: 273-278.

BOUWER C, STEIN DJ, HAWKRIDGE S. Panic disorder. *Modern Medicine* 1996; 21: 31-41.

COETZER P, EMSLEY R. Guidelines to the management of disability claims on psychiatric grounds. *MASA Publications* 1996; 865: 1-8.

COHEN LJ, HOLLANDER E, DECARIA CM, STEIN DJ, SIMEON D, LIEBOWITZ MR, ARONOWITZ B. Specificity of neuropsychological impairment in obsessive-compulsive disorder: A comparison with social phobic and normal controls. *Journal of Neuropsychiatry and Clinical Neuroscience* 1996; 8: 82-85.

EMSLEY RA. Outcome of first-episode schizophrenia and the new antipsychotics. *Southern African Journal of Psychiatry* 1996; 6: 729-733.

EMSLEY RA, COETZER P. Disability claims on psychiatric grounds. *South African Journal of Medicine* 1996; 86: 646.

GANGDEV P, STEIN DJ, RUZIBIZA JB. Obsessive-compulsive disorder in African South Africans. *Southern African Journal of Psychiatry* 1996; 86: 1592-1598.

HAWKRIDGE S, STEIN DJ. Tourette's disorder: Current concepts. *Psychiatry in Practice* 1996: 15-23.

HAWKRIDGE S, STEIN DJ, BOUWER C. Combined Pharmacotherapy for TS & OCD. *Journal of the American Academy of Child and Adolescent Psychiatry* 1996; 35: 703-704.

HOLLANDER E, GROSSMAN R, STEIN DJ, KWON J. Borderline personality disorder and impulsive-aggression: The role for divalproex sodium treatment. *Psychiatric Annals* 1996; 26: 464-469.

HOLLANDER E, KWON JH, STEIN DJ, BROATCH J, CLAYTON CT, HIMELEIN CA. Obsessive-compulsive and spectrum disorders: Overview and quality of life issues. *Journal of Clinical Psychiatry* 1996; 57S: 3-6.

HUGO FJ, HALLAND A, SPANGENBERG JJ, WHITELAW D, COOPER RC, HEWLETT R, REID J, MARITZ JS, EMSLEY RA. The classification of psychiatric symptoms in systemic lupus erythematosus. *Psychosomatics* 1996; 37: 262-269.

JEFFERSON JW, ALTEMUS M, GRIEST JH, JENIKE MA, PIGOTT TA, STEIN DJ, GREIST JH. E. algorithm for the pharmacologic treatment of obsessive compulsive disorder. *Psychopharmacology Bulletin* 1996; 31: 487-490.

JORDAAN G, ROBERTS M, EMSLEY R. Serotonergic agents in the treatment of hypothalamic obesity syndrome. *International Journal of Eating Disorders* 1996; 20: 111-113.

JOSEPHSON SC, HOLLANDER E, FALLON B, STEIN DJ. Obsessive-compulsive disorder, body dysmorphic disorder, and hypochondriasis: Three variations on a theme. *CNS Spectrums* 1996; 1: 24-31.

LOUW DA, ALLAN A. Forensic psychology in South Africa. *American Journal of Forensic Psychology* 1996; 14: 1-13.

MARSHALL RD, STEIN DJ, LIEBOWITZ MR, YEHUDA R. A  
Pharmacotherapy algorithm in the treatment of posttraumatic stress disorder.  
*Psychiatric Annals* 1996; 26: 217-226.

MAUD C, STEIN DJ: Treatment of childhood obsessive-compulsive disorder  
with citalopram. *Southern African Journal of Psychiatry* 1996; 86: 746-747.

NIEHAUS D, STEIN DJ. Post-traumatic stress disorder. *Modern Medicine*  
1996; 21: 56-60.

SEEDAT S, STEIN DJ, BOUWER C. Social phobia. *Modern Medicine* 1996;  
21: 42-46.

STEIN DJ. Philosophy of psychopathy. *Perspectives in Biology and Medicine*  
1996; 39: 223-232.

STEIN DJ. Psychiatry on the internet: Survey of an OCD mailing list.  
*Psychiatric Bulletin* 1996; 20: 1-4.

STEIN DJ. The neurobiology of obsessive-compulsive disorder. *The  
Neuroscientist* 1996; 2: 300-305.

STEIN DJ, BOUWER C. Post-menopausal panic disorder. *South African  
Medical Journal* 1996; 86: 1563.

STEIN DJ, BOUWER C, VAN HEERDEN B. Pica and the obsessive-  
compulsive spectrum disorders. *Southern African Journal of Psychiatry* 1996;  
86: 1586-1592.

STEIN DJ, EMSLEY RA. A psychiatric perspective on medical research in  
South Africa. *South African Journal of Medicine* 1996; 86: 983-984.

STEIN DJ, EMSLEY RA, BOSHOFF DL. A mental health information centre -  
integrating technology and community. *Southern African Journal of  
Psychiatry* 1996; 86: 723-724.

STEIN DJ, HOLLANDER E, DECARIA CM, SIMEON D, COHEN LJ,  
ARONOWITZ B. m-Chlorophenylpiperazine challenge in borderline  
personality disorder: Relationship of neuroendocrine response, behavioral  
response, and clinical measures. *Biological Psychiatry* 1996; 40: 508-513.

STEIN DJ, HOLLANDER E, ROWLAND C, SEREBRO P, ROBERTS M.  
Quality of life and pharmacoeconomic aspects of obsessive-compulsive  
disorder: A South African survey. *Southern African Journal of Psychiatry*  
1996; 86: 1592-1598.

STEIN DJ, HOLLANDER E, SKODOL A. Pharmacotherapy of personality  
disorder: Four decades of experience. *Research Communications in  
Biological Psychiatry and Psychology* 1995; 20: 81-94.

STEIN DJ, JOBSON KO. Psychopharmacology algorithms: Pros and cons.  
*Psychiatric Annals* 1996; 26: 190-191.

STEIN DJ, MAUD CM, BOUWER C. Use of the selective serotonin reuptake  
inhibitor citalopram in the treatment of obsessive-compulsive disorder.  
*Journal of Serotonin Research* 1996; 1: 29-33.

STEIN DJ, RAPOPORT JL. Cross-cultural studies and obsessive-compulsive disorder. *CNS Spectrums* 1996; 1: 42-46.

STEIN DJ, TRESTMAN R, COCCARO E, MITROPOULOU V, HOLLANDER E, SIEVER L. Serotonergic responsivity in compulsive personality disorder. *Journal of Neuropsychiatry and Clinical Neurosciences* 1996; 8: 393-398.

### **Verrigtinge internasionaal/Proceedings international**

LUDIK J, STEIN DJ. *Neural modelling of cognitive disinhibition and neurotransmitter dysfunction in OCD*. Artificial Neural Networks - ICANN 96, Lecture Notes in Computer Science. Berlin, 1996: 1112.

### **Referate internasionaal/Papers international**

EMSLEY RA. *Collaborative research and academic development in economically deprived countries*. Presented at the 10th World Congress of Psychiatry. Madrid, 1996.

EMSLEY RA. *Drug policy and mental health in South Africa*. Presented at the 10th World Congress of Psychiatry. Madrid, 1996.

EMSLEY R, SMITH R, ROBERTS M, KAPNIAS S, PIETERS H, MARITZ S. *Magnetic resonance imaging in alcoholic Korsakoff's syndrome: Evidence for an association with alcoholic dementia*. Presented at the combined meeting of the Royal College of Psychiatrists and the Association of European Psychiatrists. London, 1996.

STEIN DJ. *Social science models of obsessive-compulsive disorder: A South African Perspective*. Presented at the Second International Conference on Obsessive-Compulsive Disorder. Guadeloupe, 1996.

STEIN DJ, HOLLANDER E, ROWLAND C, SEREBRO P, ROBERTS M. *Quality of life and pharmaco-economic aspects of obsessive-compulsive disorder: A South African survey*. Presented at the Second International Conference on Obsessive-Compulsive Disorder. Guadeloupe, 1996.

STEIN DJ, MAUD CM, BOUWER C. *Use of the serotonin selective reuptake inhibitor citalopram in obsessive-compulsive disorder*. Presented at the Biannual Meeting of the Collegium Internationale Neuropharmacologicum. Melbourne, 1996.

### **Referate nasionaal/Papers national**

ALLAN A. *Ethics in South African psychology: A lawyer's perspective*. Presented at the Congress of the Psychological Society of South Africa. University of the Witwatersrand, 1996.

BOUWER C. *The neurobiology of social phobia*. Presented at the Psychiatry 2000 Congress. Lost City, 1996.

BOUWER C. *The treatment of social phobia*. Presented at the Psychiatry 2000 Congress. Lost City, 1996.

BOUWER C, STEIN DJ. *Association of panic disorder with a history of traumatic suffocation*. Presented at the Psychiatry 2000 Congress. Lost City, 1996.

EMSLEY R, RISPERIDONE STUDY GROUP. Risperidone in the treatment of first-episode patients with schizophreniform disorder: A double-blind multicenter study. Presented at the Psychiatry 2000 Congress. Lost City, 1996.

EMSLEY R, SMITH R, ROBERTS M, KAPNIAS S, PIETERS H, MARITZ S. *Magnetic resonance imaging in alcoholic Korsakoff's syndrome: Evidence for an association with alcoholic dementia*. Presented at the Psychiatry 2000 Congress. Lost City, 1996.

HAWKRIDGE S, STEIN DJ, BOUWER C. *Combining neuroleptics with serotonin reuptake inhibitors in Tourette's syndrome*. Presented at the Psychiatry 2000 Congress. Lost City, 1996.

JORDAAN GP, KIRKALDY H, ROBERTS M. *Experience with eating disorders at Tygerberg Hospital*. Presented at the Psychiatry 2000 Congress. Lost City, 1996.

STEIN DJ. *Compulsivity and impulsivity*. Presented at the Seventh Southern African Neuroscience Symposium. Johannesburg, 1996.

STEIN DJ, BOUWER C. *False alarms, neuroethology, and anxiety*. Presented at the Psychiatry 2000 Congress. Lost City, 1996.

STEIN DJ, CARR J. *Comparison of sleep EEG in patients with obsessive-compulsive disorder and hair-pulling*. Presented at the First Biennial Congress of the Sleep Society of South Africa. Johannesburg, 1996.

STEIN DJ, COETZER R, LEE M, DANIELS B, MAUD C, BOUWER C. *Neurobiology of obsessive-compulsive disorder and trichotillomania: Neuropsychology, magnetic resonance imaging, and response to pharmacotherapy*. Presented at the Psychiatry 2000 Congress. Lost City, 1996.

WESSELS C, KRADENBERG J, EMSLEY RA, STEIN DJ. *The Mental Health Information Centre of South Africa: First 500 Calls*. Presented at the Psychiatry 2000 Congress. Lost City, 1996.

## **Hoofstukke in boeke/Chapters in books**

STEIN DJ. Cognitive science models of compulsivity and impulsivity. In: Oldham J, Hollander E, Skodol AE, (eds). *Impulsivity and Compulsivity*. American Psychiatric Press, Washington, DC, 1996: 97-118.

STEIN DJ, HOLLANDER E. Serotonin reuptake inhibitors in obsessive-compulsive disorder and related disorders. In: Feighner J, Boyer WF, (eds). *Selective Serotonin Reuptake Inhibitors: Advances in Basic Research and Clinical Practice, Second Edition*. John Wiley, New York, 1996: 135-154.

## **Magister afgehandel/Master's completed**

GENIS S. *Psychopathology in patients with atopic dermatitis*. M.Med., 1996. Studieleier: Dr DJ Stein.

LE ROUX L. *Attitudes about the need for PTSD services*. M.Med., 1996.  
Studieleier: Dr A Allan.

SEEDAT S. *An investigation of hoarding behaviour*. M.Med., 1996.  
Studieleier: Dr DJ Stein.

### **Projekte lopend/Projects current**

COETZER R. *Neuropsychology of psychiatric disorders*.

DU PLESSIS GN. *Panieksteuring verwysing na Stikland Hospitaal oor 'n ses maande periode*. Magister studieleier: Dr CD Bouwer.

EMSLEY RA. *Psychobiology of schizophrenia*.

HAWKRIDGE S. *Childhood anxiety and stress disorders*.

HUGO F. *Neuropsychiatric disorders*.

JORDAAN G. *Psychobiology of eating disorders*.

POTOCNIK F. *Geriatric psychiatry disorders*.

ROBERTS M. *Psychobiology of alcoholism*.

SCHMIDT, STEIN DJ. *Psychobiology of anxiety and stress disorders*.

WATERDRINKER A. *Transcultural Psychiatry*. Magister studieleier: Prof RA Emsley.

## **radiodiagnose / radiology**

### **Tydskrifartikels/Journal articles**

SCHER AT. Detection of occult fractures of the thoracolumbar spine on CT examination of the abdomen in the injured patient. *SA Bone & Joint Surgery* 1995; V(1): 17-19.

SCHULMAN A, VAN GELDEREN WFC. Bowel herniation through the torn diaphragm: I. Gastric herniation. *Abdominal Imaging* 1996; 21: 395-399.

SCHULMAN A, VAN GELDEREN WFC. Bowel herniation through the torn diaphragm: II. Intestinal herniation. *Abdominal Imaging* 1996; 21: 400-403.

VAN GELDEREN WFC. *Stenella coeruleoalba*. The striped dolphin skull. *Radiology (Interlude)* 1995; 194(3): 878.

VAN GELDEREN WFC, AL HINDAWI M, ARCHIBALD CG, MERRIE AEH, CHENG KC. Radiological imaging of a massive dermoid in the male pelvis. *Australasian Radiology* 1995; 39: 408-410.

VAN GELDEREN WFC, GOOSEN A. Mammographic features of unilateral breastfeeding. *Clinical Radiology* 1996; 51: 134-135.

### **Referate internasionaal/Papers international**

SCHER AT. *Diving injuries to the cervical spine-cord*. The Twelfth International Jerusalem Symposium on Sports Injuries. Tel Aviv, Israel, 1996.

SCHER AT. *Premature onset of degenerative disease of the cervical spine*. The Twelfth International Jerusalem Symposium on Sports Injuries. Tel Aviv, Israel, 1996.

## Referate nasionaal/Papers national

SCHER AT. *The radiological assessment of age for medicolegal purposes-axial-skeleton versus third molar tooth*. The First African Congress of Maxillo-Facial Radiology. Arthur Seat Hotel, Cape Town, 1996.

SCHER AT. *Radiological assessment of cervical trauma*. AO/Synthes Spine Course. Johannesburg, 1996.

SCHER AT. *Spinal injuries*. Trauma/Emergency Seminar. Peninsula Technikon, 1996.

VAN DER WESTHUIZEN S. *The physics of the news ultrasound. The basic ultrasound gynae scan*. National Ultrasound Workshop in Obstetrics and Gynaecology. Cape Town, 1996.

## stralingsonkologie / radiation oncology

### Tydskrifartikels/Journal articles

BÖHM L. Correspondence: Primary health care in Khayelitsha. *South African Medical Journal* 1996; 86: 847-848.

SLABBERT JP, THERON T, SERAFIN A, JONES DTL, BÖHM L, SCHMITT G. Radiosensitivity variations in human tumor cell lines exposed in vitro to p(66)/Be neutrons or <sup>60</sup>Co γ-rays. *Strahlentherapie und Onkologie* 1996; 172: 567-572.

SMIT BJ. Brachyradiotherapy in clinical practice. *Hospital Supplies* 1996: 3-14.

SMIT BJ. Editorial: 'Translational research', the 'linker laboratory' or a paradigm shift in cancer care? *South African Medical Journal* 1996; 86: 388.

STANNARD CE, VERNIMMEN FJ, JONES DTL, VAN WIJK AL, BRENNAN SM, VISSER AM, JOHNSON CA, WILSON JAG, MURRAY EA, LEVIN CV, MILLS EED, ALBERTS A, WERNER ID, SMIT BJ, SCHMITT G. The neutron therapy clinical programme at the National Accelerator Centre (NAC). Results of fast neutron therapy. *Bulletin Cancer/Radiotherapy* 1996; 83: 87s-92s.

VERHEYE-DUA FA, BÖHM L. Influence of Ouabain on cell inactivation by irradiation. *Strahlentherapie und Onkologie* 1996; 172: 156-161.

### Verrigtinge internasionaal/Proceedings international

MICHIE J, DENNY L, DUFFIELD M, RYLANDS N, LUKEY P, KERAAN M, RESS S. *Borderline ovarian tumours: Retrospective study of DNA ploidy status and correlation with clinical behaviour*. XVII Congress of the

International Society for Analytical Cytometry. Rimini, Italy, 1996;  
*International Society for Analytical Cytology* 1996; TB73: 66.

SMIT BJ. *Radiation therapy versus surgery for early stage carcinoma of the cervix*. Proceedings of the Joint Course of the European Institute of Oncology, Milan, and the Hungarian Society of Gynecologic Oncologists. Budapest, Hungary, 1996; *Nogygyaszati Onkologia, Hungarian Journal of Gynecologic Oncology* 1996; 2: 167-170.

SMIT BJ. *Radiotherapy as primary therapy for endometrial carcinoma*. Proceedings of the Joint Course of the European Institute of Oncology, Milan, and the Hungarian Society of Gynecologic Oncologists. Budapest, Hungary, 1996; *Nogygyaszati Onkologia, Hungarian Journal of Gynecologic Oncology* 1996; 2: 147-149.

SMIT BJ, DU TOIT GC. *The management of advanced and recurrent carcinoma of the cervix*. Proceedings of the Joint Course of the European Institute of Oncology. Milan, and the Hungarian Society of Gynecologic Oncologists. Budapest, Hungary, 1996; *Nogygyaszati Onkologia, Hungarian Journal of Gynecologic Oncology* 1996; 2: 180-182.

## Referate internasionaal/Papers international

BÖHM L, THERON T, SERAFIN A, VERHEY F. *Modulation of the toxicity of photons by non-conventional drugs*. 27th Annual Meeting of the European Society for Radiation Biology. Montpellier, France, 1996.

GUEULETTE J, SLABBERT J, BÖHM L, DE COSTER BM, JONES DTL, WAMBERSIE A, SCALLIET P. *RBE of the 200 MeV proton beam produced at the National Accelerator Centre of Faure (South Africa) for late lung tolerance in mice after single and fractionated irradiation - preliminary results*. Second International Symposium on Hadrontherapy and XXV PTCOG Meeting. Paul Scherrer Institute, Villigen, Switzerland, 1996.

SLABBERT JP, THERON CS, JONES DTL, SCHMITT G. *Need to augment the High-LET characteristics of a p(66)/Be neutron beam*. 7th International Symposium on Neutron Capture Therapy for Cancer. Zürich, Switzerland, 1996.

SLABBERT JP, THERON CS, SERAFIN A, JONES DTL, BÖHM L, SCHMITT G. *Potential therapeutic gain from using p(66)/Be Neutrons*. 27th Annual Meeting of the European Society for Radiation Biology. Montpellier, France, 1996.

THERON CS, SLABBERT JP, SERAFIN A, BÖHM L. *The merits of DNA content and cell kinetic parameters for the assessment of intrinsic cellular radiosensitivity to photon and High-LET neutron irradiation*. 27th Annual Meeting of the European Society for Radiation Biology. Montpellier, France, 1996.

VERNIMMEN F. *Neutron therapy for glomus tumors: A possible new indication*. XXIV PTCOG Meeting. Detroit, Michigan, USA, 1996.

VERNIMMEN F. *Paranasal sinus carcinoma: The NAC protocol and future perspectives*. XXIV PTCOG Meeting. Detroit, Michigan, USA, 1996.



VERNIMMEN F, WILSON J, JONES D, SCHREUDER N, DE KOCK E, SYMONS J. *Arteriovenous malformations: The NAC experience*. XXIV PTCOG Meeting. Detroit, Michigan, USA, 1996.

## Referate nasionaal/Papers international

APFFELSTAEDT J, BARNARD P, ELLMANN A, VISSER A, ZEEMAN B. *New developments in the diagnosis and treatment of breast cancer*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

BESTER MJ, KLOPPER JF, WASSERMAN HJ, RUBOW SM, DE KLERK F. *Imaging infection and inflammation in an African environment*. 7th Biennial Congress of the SA Society of Nuclear Medicine. Durban, 1996.

BÖHM L. *Basic principles of biological dosimetry*. 36th Annual SAAPMB Congress and Summer School. CSIR Conference Centre, Pretoria, 1996.

BÖHM L, THERON T, SERAFIN A, VERHEYE F. *Enhancement of the toxicity of photons by non-conventional drugs*. 36th Annual SAAPMB Congress and Summer School. CSIR Conference Centre, Pretoria, 1996.

COERTSE E, BERCHTOLD B. *Intraluminale Bragiterapie vir Ca Oesofagus by Tygerberg Hospitaal*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

COERTSE E, GROENEWALD WA, KABUTZ R, FRAZER D, MARAIS A, DE LA PORTE K, COETZEE J. *Intra-operatiewe radioterapie by die Tygerberg Hospitaal*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

CONRADIE M, VERNIMMEN F, HOUGH FS. *Proton-bestralingsterapie vir Cushing se Siekte - 'n voorlopige verslag*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

DU TOIT GE. *A new proton beam line: Possible fixed angle*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

GROENEWALD WA. *Radiation quantities in diagnostic radiology*. 36th Annual SAAPMB Congress and Summer School. CSIR Conference Centre, Pretoria, 1996.

GROENEWALD WA. *Utilising Al-granulate as compensating material*. 36th Annual SAAPMB Congress and Summer School. CSIR Conference Centre, Pretoria, 1996.

HUSLER P, BÖHM L. *Histone H1-DNA Interaction in the Nucleosome Linker*. 1st UK-RSA Symposium on Cell Growth Control. Sea Point, 1996.

KABUTZ RT, GROENEWALD WA. *Die gebruik van Al-granulaat as kompenseermateriaal in stralingsonkologie*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

KILEY J. *Stralingsonkologie blootstelling vir voorgraadse mediese studente*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

MICHIE J, DENNY L, DUFFIELD M, RYLANDS N, LUKEY P, KERAAN M, RESS S. *Borderline ovarian tumours: Retrospective study of DNA ploidy status and correlation with clinical behaviour*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

NACKERDIEN Z. *Novel technologies for the measurement of radiation-induced apoptosis in human cells*. Pan-African Environmental Mutagen Society Congress. Cape Town, 1996.

NEETHLING H. <sup>131</sup>I-MIBG in die behandeling van neuroblastoom in kinders. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

SLABBERT JP, THERON CS. *Current status of biological dosimetry at NAC*. 36th Annual SAAPMB Congress and Summer School. CSIR Conference Centre, Pretoria, 1996.

SMIT BJ, HITCHIN I. *Ionizing radiation : Treatment of benign conditions*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

VAN HEERDEN BB, LANGENHOVEN JH, WASSERMAN HJ, RUBOW SM, KLOPPER JF. *Initial experience with locally produced fluorine-18 fluorodeoxyglucose (F-18 FDG)- an agent for imaging myocardial glucose metabolism*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

VERNIMMEN F. *Soft tissue sarcomas: Indications for brachytherapy*. Regional Training Course on Techniques and Dosimetry in Interstitial Brachytherapy. Grootte Schuur Hospital, Cape Town, 1996.

VERNIMMEN F, NEETHLING H, BURGER N, SCHREUDER N. *Proton beam therapy for pituitary tumours*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

WASSERMAN HJ, KLOPPER JF. *Uniformity testing of a dual-head gamma camera with a nearby point source*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

## **Projekte afgehandel/Projects completed**

SMIT BJ. *Hipoksosied as middel teen kanker van die pankreas*.

## **Projekte lopend/Projects current**

BÖHM L. *Role of vasoactive drugs as radiation sensitizers*.

BÖHM L. *Studies on molecular and cellular radiobiology*.

BÖHM L. *Chromatin structure*.

BÖHM L, VERHEYE-DUA F, THERON T. *In vitro study of the enhancement of radiation by Pentoxifylline, a DNA repair inhibitor*.

COERTZE E. *Loodsstudie m.b.t. hoëdosistempo naladingsbestraling vir karsinoom van die brongus*.

SMIT BJ. 'n Fase I studie vir hipoksosied. 'n Kliniese proef vir allerlei tumore op hipoksosied.

SMIT BJ. Hipertermie met hiperfraksionering in die behandeling van karsinoom van die serviks: 'n Koöperatiewe loodsstudie met die Departement Elektroniese Ingenieurswese.

SMIT BJ. Neutronterapie: Effektiviteit teen (a) sarkome en (b) adenokarsinome van die vroulike genitalieë.

SMIT BJ. Gesamentlike nasionale studie: Protonterapie as "radiochirurgie" vir verskillende breintumore.

SMIT BJ. Fase I-II proef van Samarium-153 EDTMP om die biodistribusie opname in been en toksisiteit te bepaal, asook effektiwiteit in pasiënte met verspreide beenmetastase wat weerstandig is teen alle standaard behandeling.

SMIT BJ. Elektrochemoterapie: Potensiëring van bleomisien deur elektrodepolarisasie van selle.

SMIT BJ. Metileenblou as draer vir  $^{123}I$  teen metastatiese melanoom.

SMIT BJ. Bykomende studie  $^{153}Sm$  EDTMP vir (a) vroeë metastatiese siekte - terapeutiese (i.p.v. palliatiewe) effek? (b) twee klein dosisse 2 weke uitmekaar  $^{153}Sm$  EDTMP i.p.v. 1 groot dosis - ewe effektief? (Voordeel van 2 x klein dosisse - geen hospitalisasie nodig).

THERON T, BÖHM L. Cell biological and radiobiological characterization of human tumour cell lines irradiated with high-LET neutrons.

## urologie / urology

### Tydskrifartikels/Journal articles

ALLEN FJ, HEYNS CF. Cancer of the penis. *Specialist Medicine* 1996; 18: 45-48.

ALLEN FJ, VAN VELDEN DJJ. Haemospermia and nodular lung metastases without bone involvement: an unusual presentation of prostate carcinoma. *British Journal of Urology* 1996; 78: 801-803.

GROENEVELD AE, MARSZALEK WW, HEYNS CF. Bladder cancer in various population groups in the greater Durban area of KwaZulu-Natal, South Africa. *British Journal of Urology* 1996; 78: 205-208.

HARGREAVE TB, HEYNS CF, KENDRICK SW, WHYTE B, CLARKE JA. Mortality after transurethral and open prostatectomy in Scotland. *British Journal of Urology* 1996; 77: 547-553.

HEYNS CF, AUCAMP JW. Infiltrating transitional cell carcinoma of the bladder - treatment results. *South African Journal of Surgery* 1996; 34(2): 82-94.

VAN VOLLENHOVEN P, HEYNS CF, DE BEER PM, WHITAKER P, VAN HELDEN PD, VICTOR T. Polymerase chain reaction in the diagnosis of urinary tract tuberculosis. *Urological Research* 1996; 24: 107-111.

WERELY CJ, HEYNS CF, VAN VELDEN DJJ, VAN HELDEN PD. DNA fingerprint detection of somatic mutations in benign prostatic hyperplasia and prostatic adenocarcinoma. *Genes, Chromosomes and Cancer* 1996; 17: 31-36.

### **Verrigtinge internasionaal/Proceedings international**

STEENKAMP JW, HEYNS CF, DE KOCK MLS. *Dilatation versus internal urethrotomy as out-patient treatment for male urethral strictures - a prospective, randomized clinical trial.* Congress of the British Association of Urological Surgeons. Edinburgh, Scotland, 1996; *British Journal of Urology* 1996; 77: 2.

### **Referate internasionaal/Papers international**

BRUWER G, ALLEN FJ, STEENKAMP JW, HEYNS CF. *Predicting the absence or presence of skeletal metastases on radionuclide bone scan in patients with adenocarcinoma of the prostate.* Congress of the European Association of Urology. Parys, Frankryk, 1996.

HEYNS CF, VAN VOLLENHOVEN P, STEENKAMP JW. *Carcinoma of the penis - validation of a modified tumour staging system.* Congress of the European Association of Urology. Parys, Frankryk, 1996.

### **Referate nasionaal/Papers national**

ALLEN FJ, BRUWER G, HEYNS CF, STEENKAMP JW. *Can a bone scan be omitted based on serum prostate specific antigen (PSA) in the staging of patients with prostatic adenocarcinoma?* Uro-Onkologie Simposium. Sabie, 1996.

BISHOP W, LAUBSCHER I, LABADARIOS D, REHDER P, LOUW MEJ, FELLINGHAM S. *The effect of enriched Sasko bread on the vitamin status of an isolated rural community: a controlled clinical trial.* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

BREYTENBACH IH, SCHALL R, DU PLESSIS AD. *Comparing the efficacy between tomoxetine and placebo in patients with urinary incontinence.* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

BREYTENBACH IH, SCHALL R, DU PLESSIS AD. *Comparing the efficacy between tomoxetine and placebo in patients with urinary incontinence.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

BRUWER G, ALLEN FJ, HEYNS CF. *Can a bone scan be omitted based on serum prostate specific antigen (PSA) in patients with prostate cancer?* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

REHDER P. *The management of renal trauma at Tygerberg Hospital: a selection of 7 cases.* Kongres van Troumavereniging van Suid-Afrika. Durban, 1996.

REHDER P. *Technique of renal transplantation a safe method for the beginning surgeon - personal experience of 55 transplants a critical analysis of surgical technique.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

REHDER P, HEYNS CF. *Urethral duplication and triplication.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

REHDER P, HEYNS CF, BINNEMAN B. *Fournier's gangrene and perineo-scrotal abscesses: a retrospective analysis of 110 patients at Tygerberg Hospital.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

SCHMIDT AC, KRUGER TF, VAN DER MERWE JP, WINDT M-L, STANDER FSH, COETZEE K, SMITH K. *Retrieval of testicular spermatozoa for intracytoplasmic sperm injection.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

STEENKAMP JW, HEYNS CF, DE KOCK MLS. *Factors influencing stricture recurrence after internal urethrotomy or dilatation of male urethral strictures.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

STEENKAMP JW, HEYNS CF, DE KOCK MLS, NYARKO JK. *Out-patient treatment for male urethral strictures - dilatation versus internal urethrotomy.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

STOPFORTH HB, SCHMIDT AC, HEYNS CF. *Longterm treatment of erectile dysfunction by intracavernosal injection of alprostadil.* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

STOPFORTH HB, SCHMIDT AC, HEYNS CF. *Longterm treatment of erectile dysfunction by intracavernosal injection of alprostadil.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

VAN VOLLENHOVEN P, STEENKAMP JW, HEYNS CF, BUTHELEZI TB. *Carcinoma of the penis: a review of 50 patients.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

VISSER JH. *Uitdrukking van 5 $\alpha$ -reduktase tipe 1 in primêre stroma- en epiteelselle van die menslike prostaat.* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

VISSER JH, EI-CHENG C, HABIB FK, HEYNS CF. *The role of haematopoietic growth factors in the growth of primary cultures of prostate fibroblast and epithelial cells.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

VISSER JH, HABIB FK, HEYNS CF. *In vitro effects of sodium chlodronate on primary cultures of prostate stromal and epithelial cells - a preliminary study employing MG63 cell line as an osteoblast-like model.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

WHITAKER P. *Interstitial laser ablation of the prostate using a solid state diode laser (Indigo 830) - initial experience and early results.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

WHITAKER P, HEYNS CF. *Interstitial laser ablation of the prostate using a solid state diode laser (Indigo 830) - initial experience and early results.* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

WINDT M-L, KRUGER TF, SCHMIDT AC. *Pregnancies after intra-cytoplasmic sperm injection (ICSI) of epididymal and testicular spermatozoa.* Kongres van die Urologiese Vereniging van SA. Bloemfontein, 1996.

### **Projekte afgehandel/Projects completed**

BREYTENBACH IH. *Urodinamiese evaluasie van die effek van tomoxetien in die behandeling van vrouens met druklek. (Urodynamic evaluation of tomoxetine treatment of female stress incontinence.)*

SCHMIDT AC. *Evaluering van alprostadil in die behandeling van mans met erektilie disfunksie. (Evaluation of alprostadil in treatment of men with erectile dysfunction.)*

WHITAKER P. *Kliniese evaluasie van laser-prostatektomie in mans met benigne prostaathiperplasie. (Clinical evaluation of laser prostatectomy in men with benign prostatic hyperplasia.)*

### **Projekte lopend/Projects current**

ALLEN FJ. *Rekenarisering van kliniese data van Urologiese Onkologie-pasiënte. (Computerisation of clinical data of Urological Oncology patients.)*

BREYTENBACH IH. *Urodinamiese evaluasie van pasiënte met inkontinensie. (Urodynamic evaluation of patients with incontinence.)*

BRUWER G, HEYNS CF. *Gemeenskaps-gebaseerde protokol vir die vroeë opsporing van prostaatkarsinoom. (Community based protocol for early detection of prostatic carcinoma.)*

HEYNS CF, STEENKAMP JW, FOURIE R, ALLEN FJ. *Kliniese vergelyking van anti-androgeen (bicalutamied) versus plasebo in mans met nie-metastatiese prostaatkarsinoom. (Clinical comparison of anti-androgen (bicalutamide) versus placebo in men with non-metastatic prostatic carcinoma.)*

SCHMIDT AC. *Evaluasie van erektilie funksie in potente mans met prostaatkarsinoom wat met anti-androgeen (bicalutamied) behandel word. (Evaluation of erectile dysfunction in potent men with prostatic carcinoma treated with anti-androgen (bicalutamide).)*

SCHMIDT AC. *Evaluasie van tegnieke vir sperm-herwinning vir in vitro bevrugting. (Evaluation of techniques for sperm recovery for in vitro fertilization.)*

STEENKAMP JW. *Evaluasie van intermitterende self-kateterisasie na dilatatie vir uretrastrikture. (Evaluation of intermittent self-catheterisation after dilatation for urethral strictures.)*

STOPFORTH HB, DE BEER PJM, VISSER JH. *Polimerase ketting-reaksie om PSA-produiserende selle in die bloedstroom aan te toon. (Polymerase chain reaction to detect PSA producing cells in blood.)*

VISSER JH. *Selkultuur-studie van faktore betrokke by die selektiewe metastasering van prostaatkarsinoom na been. (Cell culture study of factors involved in selective metastasizing of prostatic carcinoma to bone.)*

VISSER JH. *Studie van tipes 5 $\alpha$  -reduktase in selkulture van prostaatweefsel. (Study of types of 5 $\alpha$  -reductase in cell cultures of prostatic tissue.)*

WHITAKER P, BREYTENBACH IH. *Vergelyking van interstisiële laser en transuretrale prostatektomie in die behandeling van benigne prostaathiperplasie. (Comparison of interstitial laser and transurethral prostatectomy in the treatment of benign prostatic hyperplasia.)*

WHITAKER P. *Evaluasie van  $\alpha$  -blokker (doksasosien) in die behandeling van benigne prostaathiperplasie. (Evaluation of  $\alpha$  -blocker (doxazosin) in treatment of benign prostatic hyperplasia.)*

WHITAKER P. *Vergelyking van perkutane nefrolitotomie en ekstrakorporeale skokgolflitotripsie versus oop chirurgie in pasiënte met groot of veelvuldige nierstene. (Comparison of percutaneous nephrolithotomy and extracorporeal shock wave lithotripsy versus open surgery in patients with large or multiple kidney stones.)*

WHITAKER P, VISSER JH. *5 $\alpha$  -reduktase-aktiwiteit in benigne prostaathiperplasie en prostaatkarsinoom. (5 $\alpha$  -reductase activity in benign prostatic hyperplasia and prostatic carcinoma.)*

**verloskunde en ginekologie**  
**(Waarby ingesluit die Navorsingseenheid vir**  
**Perinatale Mortaliteit)**  
**obstetrics and gynaecology**  
**(Including the Perinatal Mortality Research Unit)**

**Tydskrifartikels/Journal articles**

BATES WD, MULLER N, VAN BUUREN AJ, STEYN DW. Pregnancy in partially remitted hepatitis B-associated membranous glomerulonephritis. *International Journal of Gynaecology and Obstetrics* 1996; 52: 163-165.

CLAASSENS OE, KASKAR K, COETZEE K, LOMBARD CJ, FRANKEN DR, KRUGER TF. Comparison of motility characteristics and normal sperm morphology of human semen samples separated by percoll density gradient centrifugation. *Archives of Andrology* 1996; 36: 127-132.

COETZEE K, WINDT M-L. Fertilization and pregnancy using metaphase I oocytes in an intracytoplasmic sperm injection program. *Journal of Assisted Reproduction and Genetics* 1996; 13: 775-778.

COLESKY FJ, KRUGER TF. Interleuken-1 and the onset of preterm labour. *O & G Forum* 1996; 6: 6-28.

DE JONG G. Genetic investigations in fetal loss. *Continued Medical Education* 1996; 14: 60-62.

DU PLESSIS L, KOTZE MJ. Short report on DNA marker at candidate locus. Detection of the PvuII RFLP in intron 15 of the LDL receptor gene by long-distance PCR. *Clinical Genetics* 1996; 49: 277-278.

DU TOIT GC. Automated cervical cytology screening - a gilded or gelded Trojan horse? *South African Medical Journal* 1996; 86: 1138.

DUMINY PC. The perennial question: Does hormone replacement therapy cause breast cancer? *Specialist Medicine* 1996; 6: 41-48.

FAWCUS S, MOODLEY J, BRADSHAW D, THERON GB, ABDOOL KARIM SS. Measuring maternal mortality in South Africa. *South African Medical Journal* 1996; 86: 403-406.

FRANKEN DR, HENKEL R, KASKAR K, HABENICHT U-F. Defining bioassay conditions to evaluate sperm/zona interaction: Inhibition of zona binding mediated by solubilized human zona pellucida. *Journal of Assisted Reproduction and Genetics* 1996; 13: 329-332.

FRANKEN DR, MORALES PJ, HABENICHT UF. Inhibition of G protein in human sperm and its influence on acrosome reaction and zona pellucida binding. *Fertility and Sterility* 1996; 66: 1009-1011.

GABRIEL LK, FRANKEN DR, VAN DER HORST G, KRUGER TF. Are sperm wheat germ agglutinin receptors involved in fertilization? *Fertility and Sterility* 1996; 65: 448-449.

GEERTS L, BRAND EJ, THERON GB. Routine obstetric ultrasound examinations in South Africa: Cost and effect on perinatal outcome - a prospective randomised controlled trial. *British Journal of Obstetrics and Gynaecology* 1996; 103: 501-507.

GROBBELAAR JJ, ZISKIND A, DE JONG G, OOSTHUIZEN CJJ, KOTZE MJ. A novel deletion at codon 441 of the APC gene associated with ophthalmic lesions (CHRPE) in a South African family. *Journal of Medical Genetics* 1996; 33: 384-386.

HALL DR, SMITH M, SMITH J. Maternal factors contributing to asphyxia neonatorum. *Journal of Tropical Pediatrics* 1996; 42: 192-195.

HAYES VM, KOTZE MJ, GROBBELAAR JJ, MADDEN MV, RAMESAR R, OOSTHUIZEN CJJ. Presymptomatic diagnosis of familial adenomatous polyposis using intragenic polymorphisms and CA repeats flanking the APC gene. *Genetic Counseling* 1996; 7: 1-7.

HAYES VM, OOSTHUIZEN CJJ, KOTZE MJ, MARX MP, BUYS CHCM. A nonsense mutation (Arg-196-Term) in exon 6 of the human TP53 gene identified in small cell lung carcinoma. *Molecular and Cellular Probes* 1996; 10: 393-395.



HERNANDEZ M, MOLINA R, COETZEE K, OLMEDO J, BRUGO OLMEDO S, ESTOFAN D. Prognostic value of the strict criteria: An Argentinian experience. *Archives of Andrology* 1996; 37: 85-87.

KOTZE MJ, GROBBELAAR JJ, VAN MADDEN MV. Identification of a novel single base insertion in the adenomatous polyposis coli gene. *Human Mutation* 1996; 7: 68-69.

KOTZE MJ, THIART R, LOUBSER O, DE VILLIERS JNP, SANTOS M, VARGAS MA, PEETERS AV. Mutation analysis reveals an insertional hotspot in exon 4 of the LDL receptor gene. *Human Genetics* 1996; 98: 476-478.

KRUGER TF, LACQUET FA, SARMIENTO CAS, MENKVELD R, ÖZGÜR K, LOMBARD CJ, FRANKEN DR. A prospective study on the predictive value of normal sperm morphology as evaluated by computer (IVOS). *Fertility and Sterility* 1996; 66: 285-291.

KRUGER TF, MENKVELD R. Acrosome reaction, acrosin levels and sperm morphology in assisted reproduction. *Assisted Reproduction Reviews* 1996; 6: 27-37.

LABUSCHAGNE L. Amniotic fluid embolism. *O & G Forum* 1996; 1: 6-8, 35.

LACQUET FA, KRUGER TF, DU TOIT TC, LOMBARD CJ, SANCHEZ SARMIENTO CA, DE VILLIERS A, COETZEE K. Slide preparation and staining procedures for reliable results using computerized morphology. *Archives of Andrology* 1996; 36: 133-153.

LANGENHOVEN E, WARNICH L, THIART R, RUBINSZTEIN DC, VAN DER WESTHUYZEN DR, MARAIS AD, KOTZE MJ. Two novel point mutations causing receptor-negative familial hypercholesterolemia in a South African Indian homozygote. *Atherosclerosis* 1996; 125: 111-119.

MENKVELD R, RHEMREV JPT, FRANKEN DR, VERMEIDEN JPW, KRUGER TF. Acrosomal morphology as a novel criterion for male infertility diagnosis: relation with acrosin activity, morphology (strict criteria) and fertilization in vitro. *Fertility and Sterility* 1996; 65: 637-644.

MOORE SW, DE JONG G, BOUIC RA, BROWN RA, KIRSTEN G. Immune deficiency in familial duodenal atresia. *Journal of Pediatric Surgery* 1996; 31: 1733-1735.

ODENDAAL HJ. Management of patients with early severe pre-eclampsia. *Journal of Maternal-Fetal Investigation* 1996; 6: 122-124.

ODENDAAL HJ. Redaksionele opinie - ons kan nie iatrogene fetale nood duld nie. *O & G Forum* 1996; 6: 1-2.

ODENDAAL HJ, HALL DR. Is magnesium sulfate prophylaxis really necessary in patients with severe preeclampsia? *Journal of Maternal-Fetal Investigation* 1996; 6: 14-18.

OEHNINGER S, KRUGER TF, SIMON T, JONES D, MAYER J, LANZENDORF S, TONER JP, MUASHER SJ. A comparative analysis of embryo implantation potential in patients with severe teratozoospermia

undergoing in-vitro fertilization with a high insemination concentration or intracytoplasmic sperm injection. *Human Reproduction* 1996; 11: 1086-1089.

OMBELET W, MENKVELD R, KRUGER TF, STEENO O. Sperm morphology assessment: Historical review in relation to fertility. *Human Reproduction Update* 1995; 1: 543-557.

OZGUR K, FRANKEN DR. The influence of sperm/zona pellucida collision rates on zona binding. *Andrologia* 1996; 28: 261-265.

PATTINSON RC, NORMAN K, ODENDAAL HJ. Relationship between the fetal heart rate pattern and perinatal mortality in fetuses with absent end-diastolic velocities of the umbilical artery: A case-controlled study. *American Journal of Perinatology* 1995; 12: 286-289.

PATTINSON RC, NORMAN K, KIRSTEN G, ODENDAAL HJ. Relationship between the fetal heart rate pattern and perinatal mortality in fetuses with absent end-diastolic velocities of the umbilical artery: A case-controlled study. *Obstetrical and Gynecological Survey* 1996; 51: 11-12.

PISTORIUS LR, KRUGER TF, DE VILLIERS A, VAN DER MERWE JP. A comparative study using prepared and unprepared frozen semen for donor insemination. *Archives of Andrology* 1996; 36: 81-86.

POPOV IL. Misoprostol: Medical implications and obstetric application. *O & G Forum* 1996; 6: 20-29.

SANCHEZ SARMIENTO CA, COETZEE K, KRUGER TF, VAN DER MERWE JP, STANDER FSH, HENKEL RR, LOMBARD CJ. Comparison between swim-up and glass wool column filtration of human semen in a gamete intrafallopian transfer program. *Archives of Andrology* 1996; 36: 155-160.

SMIT BJ, DU TOIT GC. The management of advanced and recurrent carcinoma of the cervix. *Nőgyógyászati Onkológia* 1996; 2: 180-182.

STEYN DW. Diabetes mellitus in pregnancy in the developing world. *O & G Forum* 1996; 6: 14-22.

STEYN DW, ODENDAAL HJ. Computerised cardiotocography in a high-risk unit in a developing country - its influence on interobserver variation and duration of recording. *South African Medical Journal* 1996; 86: 172-175.

STEYN K, GOLDBERG YP, KOTZE MJ, STEYN M, SWANEPOEL ASP, FOURIE JM, COETZEE GA, VAN DER WESTHUYZEN DR. Estimation of the prevalence of familial hypercholesterolaemia in a rural Afrikaner community by direct screening for three Afrikaner founder low density lipoprotein receptor gene mutations. *Human Genetics* 1996; 98: 479-484.

THERON GB. Maternal mortality in the Cape Province, 1990-1992. *South African Medical Journal* 1996; 86: 412-418.

VAN DEN BOSCH T, VANDENDAEL A, VAN SCHOUBROECK D. Uterine cavity fluid collections in postmenopausal women: an unsettled issue. *International Journal of Gynaecology and Obstetrics* 1996; 52: 181-182.

VAN DEN BOSCH T, VANDENDAEL A, VAN SCHOUBROECK D, LOMBARD CJ, WRANZ PAB. Age, weight, body mass index and endometrial thickness in postmenopausal women. *Acta Obstetrica et Gynecologica Scandinavica* 1996; 75: 181-182.

VAN DEN BOSCH T, VANDENDAEL A, WRANZ PAB, LOMBARD CJ. Endopap<sup>R</sup> - versus Pipelle<sup>R</sup>-sampling in the diagnosis of postmenopausal endometrial disease. *European Journal of Obstetrics and Gynecology and Reproductive Biology* 1996; 64: 91-94.

VANDENDAEL A, STRUWIG D, NEL JT, KRUGER TF, LOMBARD CJ. Efficacy of fibrin sealant in prevention of adhesion formation on ovarian surgical wounds in a rabbit model. *Gynaecological Endoscopy* 1996; 5: 169-172.

VAN HEERDEN J, STEYN DW. Management of premature rupture of the membranes after 34 weeks' gestation - early versus delayed induction of labour. *South African Medical Journal* 1996; 86: 264-268.

VAN SCHOUBROECK D, VAN DEN BOSCH T, DE HAECK B, GEERTS L. A survey of women attending the clinics of obstetrics and gynaecology at Tygerberg Hospital: Awareness of HIV is not reflected in individual behaviour. *O & G Forum* 1996; 6: 30-34.

WARNICH L, KOTZE MJ, GROENEWALD IM, GROENEWALD JZ, VAN BRAKEN MG, VAN HEERDEN CJ, DE VILLIERS JNP, VAN DE VEN WJM, SCHOENMAKERS EFPM, TAKETANI S, RETIEF AE. Identification of three mutations and associated haplotypes in the protoporphyrinogen oxidase gene in South African families with variegate porphyria. *Human Molecular Genetics* 1996; 5: 981-984.

WINDT M-L, FRANKEN DR, KRUGER TF, OEHNINGER SC. In vitro fertilization failure: Identification of gamete defects by investigation of sperm-zona pellucida binding capacity of unfertilized oocytes. *Andrologia* 1996; 28: 211-215.

## **Verrigtinge internasionaal/Proceedings international**

ODENDAAL HJ. *Antihypertensive treatment in pregnancy*. 28th International Congress in Pathophysiology of Pregnancy. Timisoara, Romania, 1996; *Maternal-Fetal risk in Gestosis: Preeclampsia and pregnancy induced hypertension* 1996; 42: 437-440.

ODENDAAL HJ. *Magnesium sulphate prophylaxis in patients with severe pre-eclampsia*. 28th International Congress in Pathophysiology of Pregnancy. Timisoara, Romania, 1996; *Maternal-Fetal risk in Gestosis: Preeclampsia and pregnancy induced hypertension* 1996; 42: 434-436.

ODENDAAL HJ. *Management of patients with severe early pre-eclampsia*. 28th International Congress in Pathophysiology of Pregnancy. Timisoara, Romania, 1996; *Maternal-Fetal risk in Gestosis: Preeclampsia and pregnancy induced hypertension* 1996; 42: 444-448.

ODENDAAL HJ. *Management of pre-eclampsia*. First International Meet on Safe Motherhood. Calcutta, India, 1996; *The Women* 1996: 166-172.

## Referate internationaal/Papers international

DE JONG G. *Lower mesodermal defects (LMD): Do abnormalities differ from limb body wall defects (LBWD)*. Fifth International Workshop on Fetal Genetic Pathology. Angra dos Reis, Brazil, 1996.

FRANKEN DR, MORALES P, HABENICHT U-F. *Inhibition of Gi protein in human sperm and its influence on acrosome reaction, zona pellucida binding*. 52nd Annual Meeting of American Society for Reproductive Medicine. Boston, Massachusetts, USA, 1996.

HALL DR, ODENDAAL HJ, STEYN DW, KIRSTEN GF. *The addition of a diuretic to anti-hypertensive therapy for early severe hypertension in pregnancy*. Tenth World Congress of the International Society for the Study of Hypertension in Pregnancy. Seattle, USA, 1996.

HENKEL R, FINKENZELLER CH, MONSEES T, FRANKEN DR, SCHILL WB, MISKA W. *Development of a highly sensitive, bioluminescence-enhanced zona binding assay*. 12th ESHRE Meeting. Austria, 1996.

KOTZE MJ, THIART R, LOUBSER O, DE VILLIERS JNP, SCHOLTZ CL, PEETERS AV. *Analysis of LDL receptor gene mutations in South African familial hypercholesterolemics*. 9th International Congress of Human Genetics. Rio de Janeiro, Brazil, 1996.

KRUGER TF. *Choice of treatment technique in assisted reproduction technology*. International Congress on Recent Advances and Controversies in Reproductive Endocrinology, Infertility, Assisted Reproductive Technologies, Gynecologic Endoscopy, and New Diagnostic Techniques in Gynecology. Istanbul, Turkey, 1996.

KRUGER TF. *Intrauterine insemination: Indications, techniques and results*. International Congress on Recent Advances and Controversies in Reproductive Endocrinology, Infertility, Assisted Reproductive Technologies, Gynecologic Endoscopy, and New Diagnostic Techniques in Gynecology. Istanbul, Turkey, 1996.

KRUGER TF. *Laboratory assessment of male factor infertility*. International Congress on Recent Advances and Controversies in Reproductive Endocrinology, Infertility, Assisted Reproductive Technologies, Gynecologic Endoscopy, and New Diagnostic Techniques in Gynecology. Istanbul, Turkey, 1996.

KRUGER TF. *Morphologic assessment using strict criteria: manual and computerized systems*. International Congress on Recent Advances and Controversies in Reproductive Endocrinology, Infertility, Assisted Reproductive Technologies, Gynecologic Endoscopy, and New Diagnostic Techniques in Gynecology. Istanbul, Turkey, 1996.

KRUGER TF. *An update assessment of male factor fertility*. International Congress on Recent Advances and Controversies in Reproductive Endocrinology, Infertility, Assisted Reproductive Technologies, Gynecologic Endoscopy, and New Diagnostic Techniques in Gynecology. Istanbul, Turkey, 1996.

KRUGER TF, COETZEE K, DE VILLIERS A, OZGUR K, LOMBARD CJ. *Computer assisted sperm analyzing system: An analysis of intermachine morphology evaluations and intraslide evaluations using IVOS (Dimension*

*System Version 3*). Poster presentation. 52nd Annual Meeting of the American Society for Reproductive Medicine. Boston, Massachusetts, USA, 1996.

MENKVELD R. *Sperm morphology evaluation by strict (Tygerberg) criteria: Practical aspects*. Morphology Evaluation Course. Medical Technical Centre, Trondheim, Norway, 1996.

MENKVELD R. *Sperm morphology evaluation by strict (Tygerberg) criteria: Theoretical aspects*. Morphology Evaluation Course. Medical Technical Centre, Trondheim, Norway, 1996.

MENKVELD R. *Sperm morphology and urogenital infections*. Third Giessen Andrological Symposium. Gissen, Germany, 1996.

MENKVELD R. *Spermsel-morfologie beoordeling volgens streng (Tygerberg) criteria: Nuuiste ontwikkelinge*. Kongres. Departement Verloskunde en Ginekologie, Catharina Ziekenhuis, Eindhoven, Nederland, 1996.

MENKVELD R, COETZEE K, SMITH T, KRUGER TF. *Is male fertility potential on the decline? An investigation of semen analyses results over a 28 year period*. INSERM, Conferences Philippe Laudat 1996. Environmental impact on male reproductive function. Aix-Les-Bains, France, 1996.

MENKVELD R, FRANKEN DR, KRUGER TF. *Possible occupational influences on male fertility potential as seen in an infertile population*. INSERM, Conferences Philippe Laudat 1996. Environmental impact on male reproductive function. Aix-Les-Bains, France, 1996.

ODENDAAL HJ. *Clinical assessment of fetal growth*. VIth Annual Convention and VIIth Anniversary Celebration of the Perinatal Association of the Philippines. Manila, Philippines, 1996.

ODENDAAL HJ. *Expectant management of patients with early severe pre-eclampsia*. Philippine Obstetrical and Gynecological Society, Annual Postgraduate Course. Manila, Philippines, 1996.

ODENDAAL HJ. *Management of pre-eclampsia*. International Meet on Safe Motherhood. Calcutta, India, 1996.

ODENDAAL HJ. *Pelvic infections in developing countries*. Third International Scientific Meeting of the RCOG. New Delhi, India, 1996.

ODENDAAL HJ. *Perinatal outcome in patients with early severe preeclampsia*. Tenth World Congress of the International Society for the Study of Hypertension in Pregnancy. Seattle, USA, 1996.

ODENDAAL HJ. *Umbilical artery flow velocity waveforms done by a midwife to detect sick, small fetuses*. Combined Meeting of Obstetric Medicine Groups. Seattle, USA, 1996.

SIMON T, OZGUR K, KRUGER TF, LAZENDORFF S. *A comparative analysis of embryo implantation potential in patients with severe teratozoospermia undergoing high insemination concentration IVF or ICSI*. Poster presentation. 52nd Annual Meeting of the American Society for Reproductive Medicine. Boston, Massachusetts, USA, 1996.

STEYN DW, ODENDAAL HJ. *Fetal heart baseline variability in patients on oral ketanserin*. Tenth World Congress of the International Society for the Study of Hypertension in Pregnancy. Seattle, USA, 1996.

STEYN DW, ODENDAAL HJ. *Oral ketanserin plus aspirin decrease the incidence of proteinuric hypertension and perinatal mortality in patients with mild midtrimester hypertension*. Tenth World Congress of the International Society for the Study of Hypertension in Pregnancy. Seattle, USA, 1996.

STEYN DW, ODENDAAL HJ, HALLIGAN AWF, SHENNAN AH, TAYLOR DT, DE SWIET M. *Automated blood pressure measurement in the assessment and expectant management of severe pre-eclampsia*. 10th Congress of the Hypertension Society of Southern Africa. Cape Town, 1996.

VANDENDAEL A, KRUGER TF, DE VILLIERS A, MENKVELD R, LOMBARD CJ. *The significance of antisperm antibodies in female serum in a gamete intra-fallopian transfer programme*. British Fertility Society and British Andrology Society Joint International Meeting. Warwick, UK, 1996.

VANDENDAEL A, KRUGER TF, LACQUET FA, SANCHEZ SARMIENTO CA, MENKVELD R, OZGUR K, FRANKEN DR. *A prospective study on the predictive value of normal sperm morphology as evaluated by computer (IVOS)*. British Fertility Society and British Andrology Society Joint International Meeting. Warwick, UK, 1996.

VANDENDAEL A, STRUWIG D, NEL JT, KRUGER TF, LOMBARD CJ. *Efficacy of fibrin sealant in prevention of adhesion formation on ovarian surgical wounds in a rabbit model*. British Fertility Society and British Andrology Society Joint International Meeting. Warwick, UK, 1996.

WARNICH L, GROENEWALD JZ, GROENEWALD IM, KOTZE MJ, RETIEF AE. *Molecular genetic evidence for a founder effect in variegate porphyria in South Africa*. 9th International Congress of Human Genetics. Rio de Janeiro, Brazil, 1996.

## **Referate nasionaal/Papers national**

ATZL CA. *Should cervical cytology screening be part of antenatal care?* 28th SASOG Congress. Bloemfontein, 1996.

CAROLISSEN AA. *Hyperhomocysteinaemia in abruptio placentae*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

COETZEE K, KRUGER TF, VANDENDAEL A, DE VILLIERS A. *Computer assisted sperm analysis systems (IVOS): Comparison of two staining methods*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

COETZEE K, SMITH T, DE VILLIERS A, MENKVELD R. *Is male fertility on the decline?* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

COETZEE K, WINDT M-L. *Metaphase 1 oocytes in an intracytoplasmic sperm injection programme*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

DE VILLIERS JNP, LOUBSER O, THIART R, SCHOLTZ CL, PEETERS AV, KOTZE MJ. *Analysis of LDL receptor gene mutations in familial hypercholesterolemics from different population groups*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

DE VILLIERS JNP, WARNICH L, KOTZE MJ, THIART R, LOUBSER O, GROENEWALD IM, RETIEF AE. *Mutasie-analise van die protoporfirinogeen oksidase (PPOX) geen in variegated porfirie*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

DU TOIT GC. *Age-specific cytological abnormalities at Tygerberg Hospital*. 2nd PAFMACH Congress. Johannesburg, 1996.

DU TOIT GC *Wertheim Meigs hysterectomy as treatment for advanced stage I carcinoma*. 28th SASOG Congress. Bloemfontein, 1996.

FRANKEN DR. *Spermfunksie*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

FRANKEN DR, HENKEL R, KASKAR R, HABENICHT U-F. *Inhibition of zona binding using solubilized human zona pellucida*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

FRANKEN DR, MORALES P, HABENICHT U-F. *Inhibition of Gi protein in human sperm and its influence on acrosome reaction and zona pellucida binding*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

FRANKEN DR, MORALES P, HABENICHT U-F. *Inhibition of Gi protein in human sperm and its influence on acrosome reaction and zona pellucida binding*. 28th Biennial Congress of the South African Society for Obstetricians and Gynaecologists. Bloemfontein, 1996.

GEERTS L. *The value of Doppler studies of the Middle Cerebral Artery (MCA) in the management of pregnancies with severe placental insufficiency*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

GEERTS L. *The value of Doppler studies of the middle cerebral artery (MCA) in the management of severely growth retarded fetuses*. Fifteenth Conference on Priorities in Perinatal Care in Southern Africa. Goudini Spa, 1996.

GEERTS L. *The value of Doppler studies of the middle cerebral artery (MCA) in the management of severely growth retarded fetuses*. 28th SASOG Congress. Bloemfontein, 1996.

GROENEWALD IM, BESTER A, KOTZE MJ, LOUBSER O, THIART R, DE VILLIERS JNP, RETIEF AE, WARNICH L. *Analysis of DNA mutations in the protoporphyrinogen oxidase (PPOX) gene in South Africa*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

HAHNE U, MENKVELD R, KRUGER TF. *The incidence of organisms and leukocytes in the semen of infertile males and their influences on semen parameters*. 21st Biennial Congress of the Urological Association of South Africa. Bloemfontein, 1996.

HALL DR. *Symptomatic bacteriuria: Significance and treatment during pregnancy*. Fifteenth Conference on Priorities in Perinatal Care in Southern Africa. Goudini Spa, 1996.

HALL DR, ODENDAAL HJ, STEYN DW, KIRSTEN GF. *The addition of a diuretic to anti-hypertensive therapy for early severe hypertension in pregnancy*. 10th Congress of the Hypertension Society of Southern Africa. Cape Town, 1996.

KOTZE MJ. *The genetics of familial hypercholesterolemia in South Africa*. Fifteenth Congress of the South African Genetics Society. Stellenbosch, 1996.

KOTZE MJ, PEETERS AV, RAAL FJ. *Phenotypic expression of familial hypercholesterolemia in South African children with founder-related LDLR gene mutations*. 4th National Congress of the Lipid and Atherosclerosis Society of South Africa. Durban, 1996.

KRUGER TF. *Infertilititeit in die algemene praktyk*. Ginekologie Aandsimposium. Worcester, 1996.

KRUGER TF, COETZEE K, OEHNINGER SC, DE VILLIERS A, OZGUR K, LOMBARD CJ. *Computer assisted sperm analyzing system: An analysis of intermachine morphology and intraslide evaluations using IVOS (Dimension System Version 3)*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

KRUGER TF, VAN DER MERWE JP, WINDT M-L, COETZEE K, STANDER FSH. *Retrospective analysis of pregnancy rate in patients with p-pattern morphology (0-4% normal forms) using three assisted reproductive treatment modalities: In vitro fertilization (IVF), Intracytoplasmic Sperm Injection (ICSI) and Gamete Intrafallopian Transfer (GIFT)*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

LOUBSER O, THIART R, DE VILLIERS JNP, SCHOLTZ CL, PEETERS AV, KOTZE MJ. *Analysis of the LDL receptor gene mutations in familial hyperlipidemias from different population groups*. 4th National Congress of the Lipid and Atherosclerosis Society of South Africa. Durban, 1996.

MATSHE B, STANDER FSH, COETZEE K, VAN DER MERWE JP, KRUGER TF, SMITH K, ERASMUS E, WINDT M-L. *To study the impact of number of metaphase II oocytes, as well as teratozoospermia on the multiple pregnancy rate in a gamete intrafallopian transfer (GIFT) programme*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

MENKVELD R. *The incidence of organisms and leucocytes in the semen of infertile males and their influence on semen parameters*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.



MENKVELD R, LACQUET FA, KRUGER TF, LOMBARD CJ, SANCHEZ SARMIENTO CA, DE VILLIERS A. *Effects of different staining and washing procedures on the results of human sperm morphology evaluation by manual and computerised methods*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

MENKVELD R, RHEMREV JPT, KASKAR K, FRANKEN DR, VERMEIDEN JPW, KRUGER TF. *Acrosomal morphology as an additional new criterium for male fertility diagnosis: relation with sperm functional tests*. 21st Biennial Congress of the Urological Association of SA. Bloemfontein, 1996.

MENKVELD R, SEIER JV, FINCHAM JE, KRUGER TF. *Influence of an atherogenic/therapeutic diet on the semen parameters of the vervet monkey*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

NORMAN K. *Clinical evaluation of normal umbilical artery Doppler and perinatal outcome*. Fifteenth Conference on Priorities in Perinatal Care in Southern Africa. Goudini Spa, 1996.

ODENDAAL HJ. *Antenatal care and placental function assessment in a developing country*. 28th SASOG Congress. Bloemfontein, 1996.

ODENDAAL HJ. *Guidelines of the Hypertension Society of Southern Africa for the management of hypertension in pregnancy*. 10th Congress of the Hypertension Society of Southern Africa. Cape Town, 1996.

ODENDAAL HJ. *Intrapartum asphyxia. Fetal stress and distress*. Symposium on aspects of intrapartum care. Rondebosch, 1996.

ODENDAAL HJ. *Management of early severe pre-eclampsia*. 10th Congress of the Hypertension Society of Southern Africa. Cape Town, 1996.

OETTLE CA. *Poor correlation between fetal heart rate patterns and umbilical artery blood gases in high risk patients delivered long before term*. Fifteenth Conference on Priorities in Perinatal Care in Southern Africa. Goudini Spa, 1996.

PEETERS AV, RAAL FJ, VERMAAK H, MARAIS AD, THIART R, KOTZE MJ. *Mutation enrichment in the 5'-distal promoter region of the LDL receptor gene in South African blacks*. 4th National Congress of the Lipid and Atherosclerosis Society of South Africa. Durban, 1996.

PEETERS AV, SCHOLTZ CL, KOTZE MJ. *Analise van 'n MTHFR geen mutasie as risikofaktor vir koronêre hartsiekte in pasiënte met familiële hipercholesterolemie*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

PEETERS AV, VAN GAAL LF, LOUBSER O, THIART R, DE VILLIERS JNP, KOTZE MJ. *Mutation screening in the low density lipoprotein receptor gene in Belgians with Type IIa hyperlipidemia*. 4th National Congress of the Lipid and Atherosclerosis Society of South Africa. Durban, 1996.

SCHMIDT AC, KRUGER TF, VAN DER MERWE JP, WINDT M-L, STANDER FSH, COETZEE K, SMITH K. *Retrieval of testicular spermatozoa for intra-cytoplasmic sperm injection*. 21st Biennial Congress of the Urological Society of SA. Bloemfontein, 1996.

SCHOLTZ CL, GROBBELAAR JJ, KOTZE MJ. *Mutation screening of the APC gene in South African families with familial adenomatous polyposis coli*. 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

SMITH JdeW, KRUGER TF, VAN DER MERWE JP, FRANKEN DR, MENKVELD R. *Treatment of severe teratozoospermic patients with pure follicle stimulating hormone (FSH) or human chorionic gonadotropin (HCG)*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

SMITH T. *Is male fertility on the decline?* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

STEYN DW. *Dihydralazine or ketanserin for severe hypertension in pregnancy?* 28th SASOG Congress. Bloemfontein, 1996.

STEYN DW. *Serotonin antagonists*. 10th Congress of the Hypertension Society of Southern Africa. Cape Town, 1996.

STEYN DW, ODENDAAL HJ. *Fetal heart baseline variability in patients on oral ketanserin*. 10th Congress of the Hypertension Society of Southern Africa. Cape Town, 1996.

STEYN DW, ODENDAAL HJ. *Oral ketanserin plus aspirin decrease the incidence of proteinuric hypertension and perinatal mortality in patients with mild midtrimester hypertension*. 10th Congress of the Hypertension Society of Southern Africa. Cape Town, 1996.

STEYN DW, ODENDAAL, HALLIGAN AWF, SHENNAN AH, TAYLOR DT, DE SWIET M. *Automated blood pressure control in the assessment of antihypertensive therapy with severe pre-eclampsia*. 10th Congress of the Hypertension Society of Southern Africa. Cape Town, 1996.

THERON GB. *The impact of the Perinatal Education Programme on the interpretation of antenatal cards and partograms by midwives*. Fifteenth Conference on Priorities in Perinatal Care in Southern Africa. Goudini Spa, 1996.

THERON GB. *The impact of the Perinatal Education Programme on the interpretation of antenatal cards and partograms by midwives*. 28th SASOG Congress. Bloemfontein, 1996.

THIART R, LOUBSER O, DE VILLIERS JNP, SCHOLTZ CL, PEETERS AV, KOTZE MJ. *Analise van LDL reseptorgeen mutasies in familiële hipercholesterolemie pasiënte vanaf verskillende populasiegroepe*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

VANDENDAEL A. *Cervical cytology in the assessment of menopausal endometrial status*. 28th SASOG Congress. Bloemfontein, 1996.

VANDENDAEL A. *The significance of antisperm antibodies in female serum in a gamete intrafallopian transfer programme*. 28th SASOG Congress. Bloemfontein, 1996.

VANDENDAEL A, KRUGER TF, COETZEE K, DE VILLIERS A, MENKVELD R, LOMBARD CJ, FRANKEN DR. *The predictive value of normal sperm*

*morphology as evaluated by computer (IVOS) in a gamete intrafallopian transfer (GIFT) programme.* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

VANDENDAEL A, KRUGER TF, MENKVELD R, DE VILLIERS A. *A review of the current literature using meta-analysis of sperm morphology (WHO vs. strict criteria) evaluating fertilization rate and pregnancy outcome.* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

VANDENDAEL A, KRUGER TF, MENKVELD R, LOMBARD CJ. *The significance of antisperm antibodies in female serum in a gamete intrafallopian transfer (GIFT) programme.* 28th Biennial Congress of the South African Society for Obstetricians and Gynaecologists. Bloemfontein, 1996.

VANDENDAEL A, STRUWIG D, NEL JT, KRUGER TF, LOMBARD CJ. *Efficacy of fibrin sealant in prevention of adhesion formation on ovarian surgical wounds in a rabbit model.* Poster presentation. 28th Biennial Congress of the South African Society for Obstetricians and Gynaecologists. Bloemfontein, 1996.

VAN DER MERWE BJ. *Inappropriately resected cervical carcinoma: A preventable evil?* 28th SASOG Congress. Bloemfontein, 1996.

VAN DER MERWE JP. *'n Vergelykende studie tussen twee ovulasie induksie metodes in 'n GIFT program: Agonis/MMG vs Klomifeensitraat.* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

WARD H. *Do plastic drapes prevent post caesarean section wound sepsis?* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

WARD H. *Intra-uterine bacterial milieu at caesarean section: Associated perinatal factors.* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

WARNICH L, KOTZE MJ, GROENEWALD IM, GROENEWALD JZ, DE VILLIERS JNP, TAKETANI S, RETIEF AE. *Variagate porphyria: Identification of mutations in the protoporphyrinogen oxidase gene in South African patients.* 15th Congress of the South African Genetics Society. Stellenbosch, 1996.

WINDT M-L, KRUGER TF, SCHMIDT AC, VAN DER MERWE JP, STANDER FSH, COETZEE K, SMITH K. *Pregnancies after intra-cytoplasmic sperm injection (ICSI) of epididymal and testicular spermatozoa.* 21st Biennial Congress of the Urological Society of SA. Bloemfontein, 1996.

WINDT M-L, STANDER FSH, COETZEE K, KRUGER TF, VAN DER MERWE JP. *Comparison of fertilization rates after normal insemination and intracytoplasmic sperm injection (ICSI) of the same cohort of oocytes.* 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

WINDT M-L, STANDER FSH, COETZEE K, KRUGER TF, VAN DER MERWE JP, SCHMIDT AC, SMITH K, ERASMUS E. *Intracytoplasmic sperm injection (ICSI): Comparison of laparoscopic tubal versus transvaginal uterine*

*embryo transfer: A randomized study*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

WINDT M-L, STANDER FSH, COETZEE K, KRUGER TF, VAN DER MERWE JP, SCHMIDT AC, SMITH K, ERASMUS E. *Intracytoplasmic sperm injection (ICSI): Results of 172 consecutive cycles (January 1994-June 1996)*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

## **Boeke/Books**

ACOSTA AA, KRUGER TF. *Human spermatozoa in assisted reproduction*. The Parthenon Publishing Group, 1996. 518 pp.

## **Hoofstukke in boeke/Chapters in books**

COETZEE K. The zona-free hamster egg sperm penetration assay. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 225-236.

COETZEE K, HENKEL RR. The human sperm acrosome reaction. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 215-224.

FRANKEN DR, CLAASSENS OE, HENKEL RR. Sperm separation techniques and X/Y chromosome separation. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 277-294.

FRANKEN DR, OEHNINGER S, KASKAR K, KRUGER TF, HODGEN GD. Sperm-zona pellucida binding and penetration assays. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 237-264.

GABRIEL LK. New frontiers in male factor diagnosis 1: Sperm membrane moieties. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 309-320.

KASKAR K, FRANKEN DR. Evaluation of sperm motility in assisted reproduction. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 73-88.

KRUGER TF. Morfologia espermatica. In: Remohi J, Simon C, Pellicer A, Bonilla-Musoles F, (eds). *Reproduccion Humana*. McGraw-Hill, Interamericana de Espana, 1996: 128-134.

KRUGER TF, DU TOIT TC. Evaluation of sperm morphology by computer analysis. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 109-116.

KRUGER TF, FRANKEN DR, HENKEL RR, OEHNINGER S. Prediction of sperm fertilizing potential. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 295-308.

KRUGER TF, MENKVELD R, OEHNINGER S. Anatomy of the mature spermatozoon. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 13-18.

MENKVELD R, KRUGER TF. Basic semen analysis. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 53-72.

MENKVELD R, KRUGER TF. Evaluation of sperm morphology by light microscopy. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 89-108.

NORMAN K. Drugs in pregnancy. In: Bassin J, (ed.). *Topics in Obstetrics and Gynaecology*. Julmar, 1996: 79-84.

ODENDAAL HJ. Antepartum haemorrhage. In: Cronje HS, Grobler CJF, Visser AA, (eds). *Obstetrics in Southern Africa*. JL van Schaik, 1996: 165-175.

ODENDAAL HJ. Fetal heart monitoring before and during labour. In: Cronje HS, Grobler CJF, Visser AA, (eds). *Obstetrics in Southern Africa*. JL van Schaik, 1996: 565-583.

ODENDAAL HJ. Maternal mortality. In: Cronje HS, Grobler CJF, Visser AA, (eds). *Obstetrics in Southern Africa*. JL van Schaik, 1996: 587-588.

ODENDAAL HJ. Perinatal mortality. In: Cronje HS, Grobler CJF, Visser AA, (eds). *Obstetrics in Southern Africa*. JL van Schaik, 1996: 590-597.

SCHAETZING B. Vulvovaginal discharge. In: Bassin J, (ed.). *Topics in Obstetrics and Gynaecology*. Julmar, 1996: 204-214.

STEYN DW. Recurrent abortion. In: Bassin J, (ed.). *Topics in Obstetrics and Gynaecology*. Julmar, 1996: 190-196.

STEYN DW. Rhesus iso-immunisation. In: Bassin J, (ed.). *Topics in Obstetrics and Gynaecology*. Julmar, 1996: 100-106.

THERON GB. Problem orientated antenatal care. In: Bassin J, (ed.). *Topics in Obstetrics and Gynaecology*. Julmar, 1996: 27-33.

VAN DER MERWE JP, KRUGER TF. Assisted reproduction 2: Gamete intrafallopian transfer. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 359-366.

WINDT M-L, DONCEL GF. Antisperm antibodies 1: Laboratory techniques. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 133-148.

YEH W-R, ACOSTA AA, VAN DER MERWE JP. Antisperm antibodies 2: Clinical aspects. In: Acosta AA, Kruger TF, (eds). *Human spermatozoa in assisted reproduction*. Parthenon, 1996: 149-164.

## **Doktoraal afgehandel/Doctoral completed**

GABRIEL LK. *Interaction of lectins with membranes of human male and female gametes and with endometrial cells*. Ph.D., 1996. 199 pp. Promotor: Prof DR Franken.

KIRSTEN GF. *The predictive value of absent end diastolic umbilical artery flow velocity waveforms on the neonatal and long term neurodevelopment*

*outcome of babies from mothers with severe proteinuric hypertension. M.D., 1996. 296 pp. Promotor: Prof HJ Odendaal.*

### **Magister afgehandel/Master's completed**

DU PLESSIS L. *Molecular and cytogenetic investigations of genome aberrations in neuroblastoma. M.Sc. in Geneesk. Wet. cum laude, 1996. 90 pp. Studieleier/medestudieleier: Dr CJJ Oosthuizen/prof HJ Odendaal.*

### **Projekte afgehandel/Projects completed**

COETZEE K, WINDT M-L, VAN DER MERWE JP, KRUGER TF, LOMBARD CJ. *Relation between oocyte characteristics and intracytoplasmic sperm injection.*

FRANKEN DR, MORALES P, HABENICHT U-F. *Inhibition of Gi protein in human sperm and its influence on acrosome reaction, zona pellucida binding and sperm motion characteristics.*

HENKEL R, FRANKEN DR, MARITZ JS, HABENICHT U-F. *Time- and dose dependence of acrosome reaction induced by moieties of solubilized zona pellucida. A mathematical model to assess the kinetics of human sperm acrosome reaction.*

WINDT M-L, COETZEE K, STANDER FSH, VAN DER MERWE JP, KRUGER TF, SCHMIDT A. *Intracytoplasmic sperm injection (ICSI): Pregnancy success in two interesting separate cases.*

WINDT M-L, STANDER FSH, COETZEE K, VAN DER MERWE JP, KRUGER TF, SCHMIDT A. *Intracytoplasmic sperm injection (ICSI): Pregnancy success in two interesting separate cases.*

WINDT M-L, STANDER FSH, KRUGER TF, VAN DER MERWE JP, SCHMIDT A, COETZEE K. *Intracytoplasmic sperm injection (ICSI): Comparison of laparoscopic tubal versus transvaginal uterine embryo transfer - a prospective, randomized, controlled study.*

### **Projekte lopend/Projects current**

BASTIAAN H. *Physiological factors influencing human sperm acrosome reaction. Magister studieleier: Prof DR Franken.*

BRUSNICKY J. *Application of fluorescence in situ hybridization (FISH) in research and diagnostic human genetics. Magister studieleier: Dr CJJ Oosthuizen/prof HJ Odendaal.*

HALL DR. *The safety of expectant management of early onset severe pre-eclampsia. Doktorale promotor: Prof HJ Odendaal.*

HAYES VM. *Mutations in cancer-related genes in lung cancer from Radon-exposed underground miners: A retrospective study. Doktorale promotor/medepromotors: Dr CJJ Oosthuizen/proff CHMC Buijs en HJ Odendaal.*

KASKAR K. *Evaluation of sperm separation technologies in an assisted reproductive programme. Doktorale promotor: Prof DR Franken.*

LESCH KM. *Molekulêre analise van genoomveranderinge in limfome*.  
Magister studieleier/medestudieleier: Dr CJJ Oosthuizen/prof PAB Wranz.

PEETERS AV. *Analysis of the genetic contribution to the risk of cardiovascular disease in monogenic hypercholesterolemia*.  
Doktorale promotor/medepromotor: Dr MJ Kotze/prof HJ Odendaal.

STEYN DW. *The role of the serotonin antagonist ketanserin in the prevention and treatment of severe hypertension in pregnancy*.  
Doktorale promotor: Prof HJ Odendaal.

THERON GB. *Die effektiwiteit van die Verloskunde Handleiding van die Perinatale Self-Onderrig-Program om voorgeboorte en intrapartum sorg te verbeter - 'n gekontroleerde studie*.  
Doktorale promotor: Prof HJ Odendaal.

VAN DER MERWE JP. *Factors influencing the success of gamete intrafallopian transfer (GIFT) for alleviating human infertility*.  
Doktorale promotor: Prof TF Kruger.

## **verpleegkunde / nursing science**

### **Tydskrifartikels/Journal articles**

BESTER ME, ARENDSE Y. Kennis en houding van verpleegstudente aangaande Vigs in drie opleidingsinstansies in die Wes-Kaap. *Curationis* 1996; 19(4): 64-66.

### **Referate nasionaal/Papers national**

FOURIE E. *Interdisciplinary assessment of physical disabled: An ethical approach*. 40ste Akademiese Jaardag van die Fakulteit Geneeskunde, Universiteit van Stellenbosch. Tygerberg, 1996.

VAN DER MERWE T. *Nursing standards and critical care*. Kritieke Sorg Kongres. Bloemfontein, 1996.

### **Projekte lopend/Projects current**

BESTER ME. *'n Evaluering van die handering van die derde stadium van kraam by die Tygerberghospitaal*.

BESTER ME, WELMANN EB. *Maternal and child health - a primary health care approach*.

DOWNING C. *Die belewenis van die studentverpleegkundige in psigiatriese verpleging*.  
Magister studieleier: Prof EB Welmann.

GELDENHUYS M. *'n Ondersoek na vroeë neonatale hipoglisemie*.  
Magister studieleier: Prof EB Welmann.

GOGO G. *Knowledge, attitudes and practice of family planning by senior secondary school students*.  
Magister studieleier: Prof EB Welmann.

**buro vir geneeskunde- en  
tandheelkunde-onderwys /  
bureau for medical and dental education**

**Tydskrifartikels/Journal articles**

HUGO J. Health learning materials support in South Africa compared with other developing countries. *Journal of Audiovisual Media in Medicine* 1996; 19(2): 77-82.

**Referate nasionaal/Papers national**

HUGO J. *Cross-cultural appropriateness of an educational picture card game for child accident prevention*. Health Promotive Schools in South Africa: Challenges for the 21st Century. University of the Western Cape, 1996.

**Projekte lopend/Projects current**

HUGO J. *Mediatoepaslikheid en kommunikasie by gesondheidsopvoeding in 'n ontwikkelende land*. Doktorale promotor: Prof FD Terblanche.

**sentrum vir gestremdesorg en rehabilitasie /  
centre for care and rehabilitation of the disabled**

**Vaktydskrifartikels/Journal articles**

BAKKES ES, GROENEWALD SJ, HUGHES JR. The use of functional activities in therapy. *South African Journal of Physiotherapy* 1996; 52(2): 33-36.

**Projekte afgehandel/Projects completed**

VAN ZYL AL, UYS MS, TRUTER EH, LOCHNER RY, LE ROUX SE, KOTZE DJ, GREEN S, FOURIE E. *Interdisciplinary assessment of clients with physical disabilities: An outreach strategy*.



# FAKULTEIT BOSBOU FACULTY OF FORESTRY

---

## BOSKUNDE / FOREST SCIENCE

### Tydskrifartikels/Journal articles

CROUS JW, ELLIS F, THEROM JM. Die invloed van bemesting op die groei van jong *Pinus radiata* in potte met twee tipiese bosbougronde van die Wes-Kaap. *Suid-Afrikaanse Bosboutydskrif* 1995; **172**: 7-12.

GOUS SF. Hexazinone weed control in re-established *Pinus radiata* plantations. *South African Forestry Journal* 1996; **176**: 23-28.

GOUS SF. Vegetation management in *Pinus radiata*: A literature review. *South African Forestry Journal* 1996; **177**: 41-50.

SWART WJ, DONALD DGM, THERON JM. Screening of *Pinus radiata* progenies for resistance to *Sphaeropsis sapinea*. *South African Forestry Journal* 1996; **175**: 15-18.

ZWOLINSKI JB, DONALD DGM, VAN LAAR A, VAN DER MERWE L. Water retention in cultivated forest soils of the Southern Cape Province. *South African Forestry Journal* 1995; **174**: 1-8.

### Referate internasionaal/Papers international

ELLIS F. *Classification of soils of the arid and semi-arid regions of South Africa*. World Reference Base for Soil Resources (WRB) Workshop in South Africa. Pretoria, 1996.

ELLIS F, LAMBRECHTS JJN. *Information on dorbanks - a red brown hardpan of South Africa*. World Reference Base for Soil Resources (WRB) Workshop in South Africa. Pretoria, 1996.

### Referate nasionaal/Papers national

ELLIS F. *Soil water content of four soil forms from the Cape West Coast measured over three seasons*. Kongres van die Grondkondevereniging van Suid-Afrika. Bloemfontein, 1996.

### Hoofstukke in boeke/Chapters in books

UYS HJE. Forest resources. In: Spies PH, (red.). *Agrifutura 1995/96*. University of Stellenbosch, 1996: 5-46 - 5-52.

### Magister afgehandel/Master's completed

ALIEU EK. *A strategic forestry development plan for the Western Area of Sierra Leone*. M.Sc. in Bosbou, 1996. 175 pp. Studieleier: Dr HJE Uys.

GOUS SF. *Chemical management in Pinus radiata plantations in South Africa*. M.Sc. in Bosbouwetenskappe. Studieleier: Dr JM Theron.

## Projekte lopend/Projects current

BESTER J. *'n Ondersoek na sekere bosmeetkundige aspekte van Savanna boomsoorte*. Magister studieleier: Prof BV Bredenkamp.

CONTEH AAF. *Demand and future supply strategy of woodfuel in the Western Area of Sierra Leone*. Magister studieleier: Dr HJE Uys.

ERASMUS DM. *Developing natural resource data basis for forestry planning and management in South Africa*. Magister studieleier: Dr F Ellis.

GWAITTA-MAGUMBA D. *Water use and water relations of selected Eucalyptus camaldulensis provenances growing at Pampoenvlei, Western Cape Province*. Magister studieleier: Dr F Ellis.

HOWARD M. *A study of the measurement of bark thickness, diameter at breast height, merchantable height and total tree height*. Magister studieleier: Prof BV Bredenkamp.

ISSUFO A. *The influence of different soils on the growth of Eucalyptus grandis clones in a nursery environment*. Magister studieleier: Prof G van Wyk.

KIMANI N. *Wood density as an indicator of wood quality in Pinus patula clones*. Magister studieleier: Prof BV Bredenkamp.

KOTZE H. *Simultaneous total and merchantable volume and compatible taper equations*. Magister studieleier: Prof BV Bredenkamp.

MÖNNIG N. *Qualitative assessment in growth modelling*. Magister studieleier: Prof BV Bredenkamp.

RAMACHELA K. *Studies on the propagation and establishment of the wild loquat (Uapaca species)*. Doktorale promotor: Dr JM Theron.

TERBLANCHE AL. *Factors causing abnormal root development in Pinus patula plantations*. Magister studieleier: Dr JM Theron.

WALKER KP. *An investigation of the role of trees in livestock production of semi-arid Botswana*. Doktorale promotor: Dr JM Theron.

## HOUTKUNDE / WOOD SCIENCE

### Tydskrifartikels/Journal articles

GERISCHER GFR, MURRAY LJ, VAN WYK WJ. Improved retention of filler clay by means of pre-flocculation and selective dosing. *Paperi ja puu* 1996; **1/2**: 51-56.

VAN DER MERWE M, GERISCHER GFR, REINHARDT B.  
Einsatzmöglichkeiten von Ligninen in der Papierindustrie. *Wochenblatt für Papierfabrikation* 1996; **7**: 298-302.

VERMAAS HF. Wood-water interaction and methods of measuring wood moisture content: Part I - Definitional aspects to NMR. *Holzforschung und Holzverwertung* 1996; **48**(2): 30-34.

VERMAAS HF. Wood-water interaction and methods of measuring wood moisture content: Part II - Nuclear radiation to resistive cancelling methods. *Holzforschung und Holzverwertung* 1996; **48**(3): 47-52.

## **Verrigtinge internasionaal/Proceedings international**

GERISCHER GFR, YSBRANDY RE. *Possible industrial application of autohydrolysis ligno-cellulosic residues*. Proceedings of the Third International Forum Markets for Sulphur-free Lignin. Fribourg, Switzerland, 1996: 1-6.

YSBRANDY RE. *Thermal properties of woodfiber-polystyrene composites*. Proceedings of Woodfiber - Plastic Composites Virgin & Recycled Wood Fiber and Polymers for Composites. Madison, Wisconsin, 1995: 180-185.

## **Referate internasionaal/Papers international**

GERISCHER GFR, YSBRANDY RE. *Possible industrial application of autohydrolysis lignocellulosic residues*. Third International Forum Markets for Sulphur-free Lignin. Fribourg, Switzerland, 1996.

## **Patente/Patents**

YSBRANDY RE, GERISCHER GFR. *Processing of paper mill sludge*. Provisional Patent No. 95/9594, 1996.

## **Navorsingsverslae/Research reports**

GERISCHER GFR. *Evaluations of tissue furnishes*. Alliance Peroxide, 1996. 1 pp.

GERISCHER GFR, VAN WYK WJ. *Evaluation of Bitterfontein Kaolin. Part 1*. Pfeiffer System Engineering, 1996. 15 pp.

GERISCHER GFR, VAN WYK WJ. *Evaluation of Bitterfontein Kaolin. Part 2*. Pfeiffer System Engineering, 1996. 4 pp.

GERISCHER GFR, VAN WYK WJ. *Evaluation of Primo C65 Adhesive for bond quality*. Gluepaste Manufacturing Co., 1996. 3 pp.

GERISCHER GFR, VAN WYK WJ. *Evaluation of wood and TMP - pulping properties of older pine stands*. Mondi North East Cape Forests, 1996. 20 pp.

GERISCHER GFR, VAN WYK WJ. *Fibre composition of battery paper samples*. Silvetech, 1996. 6 pp.

GERISCHER GFR, VAN WYK WJ. *Inspection report on imported broom handles*. Cargo Claims Assistance, 1996. 8 pp.

GERISCHER GFR, VAN WYK WJ. *Paper dusting on corrugator*. Sappi R&D, Enstra, 1996. 5 pp.

GERISCHER GFR, VAN WYK WJ. *Paper investigation*. Forensic Division of SA Police, 1996. 8 pp.

GERISCHER GFR, VAN WYK WJ. *Pulp evaluations of untreated and fungicide treated P. patula chips*. Biotrans, 1996. 24 pp.

GERISCHER GFR, VAN WYK WJ. *Strength evaluation of egg trays made from waste paper*. Atlantic Packaging, 1996. 3 pp.

GERISCHER GFR, VAN WYK WJ. *Toets van papiermonsters*. Silvetech, 1996. 11 pp.

GERISCHER GFR, VAN WYK WJ. *Vervalsing en uitgifte van kodisil*. Forensiese Afdeling SAP, 1996. 4 pp.

## **Magister afgehandel/Master's completed**

BURGER RA. *The effect of chip thickness and extractive content on pulp yield, pulp quality and speed of soda AQ delignification*. M.Sc., 1996. 76 pp.  
Studieleier: Prof GFR Gerischer.

## **Projekte lopend/Projects current**

CAMERON F. *Concept of testing variability and process capability and its effect on particle board specification limits*. Magister studieleier: Prof GFR Gerischer.

CERFF CB. *Pre-treatment of wood chips with selected lignin specific fungal strains and its effect on pulp yield and properties as well as chemical consumption of pulping liquors*. Magister studieleier: Prof GFR Gerischer.

CRAFFORD JG. *Development and evaluation of an inorganic bonded de-inking sludge building panel*. Magister studieleier: Prof GFR Gerischer.

DOMMISSE EJ. *Biomechanical and biochemical pulping of various SA grown wood species with a consortium of white-rot fungi*. Doktorale promotor: Prof GFR Gerischer.

GREENWAY A. *Development and refinement of domestic and industrial absorbents from local paper mill sludges and other industrial by-products*. Magister studieleier: Prof GFR Gerischer.

HSIEH CH. *Plasticization of lignocellulosic residue*. Magister studieleier: Prof GFR Gerischer.

KAPP S. *Managing the grower-processor interface in sawmilling*. Magister studieleier: Prof HF Vermaas.

MULLER-STEYN M. *Sticky control with image analysis*. Magister studieleier: Prof GFR Gerischer.

RETIEF R.J. *Assessment of breeding success in terms of wood properties relevant to the paper production process*. Magister studieleier: Prof GFR Gerischer.

SEMNRAYAN P. *Implementation of on-line process control of chemicals at the wet-end of a paper machine*. Magister studieleier: Prof GFR Gerischer.

SILBERBAUER L. *Design of SA flush doors with specific emphasis on the fire performance and the phenomenon of excessive warp*. Magister studieleier: Prof GFR Gerischer.

WESSELS CB. *Implementation of mill performance analysis system in a sawmill*. Magister studieleier: Prof HF Vermaas.

## NATUURBEWARING / NATURE CONSERVATION

### Tydskrifartikels/Journal articles

ARMSTRONG AJ, JURITZ J. Prediction of cooperative breeding by terrestrial bird species in South Africa. *Ostrich* 1996; **67**(1): 1-8.

ARMSTRONG AJ, VAN HENBERGEN HJ. Impacts of afforestation with pines on assemblages of native biota in South Africa. *South African Forestry Journal* 1996; **175**: 35-42.

ARMSTRONG AJ, VAN HENBERGEN HJ. Small mammals in afforestable montane grasslands of the northern Eastern Cape Province, South Africa. *South African Journal for Wildlife Research* 1996; **26**(1): 11-18.

ARMSTRONG AJ, VAN HENBERGEN HJ, SCOTT DF, MILTON SJ. Are pine plantations "inhospitable seas" around remnant native habitat within southwestern Cape forestry areas? *South African Forestry Journal* 1996; **176**: 1-10.

MARTIN R, MARTIN E, PEPLER D. Probable nest site of the Black Stork. *Promerops* 1996; **226**: 12.

MARTIN R, PEPLER D. Birding in the Hex River valley. *Promerops* 1996; **225**: 10.

MARTIN R, PEPLER D. Black Sunbird range extension. *Promerops* 1996; **225**: 9.

MARTIN R, PEPLER D. Fairy Flycatchers at Helderberg. *Promerops* 1996; **225**: 11.

PEPLER D. Wellington's Lesser Kestrels elicit interest from Czechoslovakia. *Promerops* 1996; **225**: 7.

PEPLER D, MARTIN R. Status of Peregrine Falcon (*Falco peregrinus minor*) and Lanner falcons (*Falco biarmicus*) in the South Western Cape Province, South Africa. *Greifvögel und Falkneri* 1994: 115-117.

PEPLER D, MARTIN R. Suburban sightings of Booted Eagles. *Promerops* 1996; **226**: 10-11.

VAN HENSBERGEN HJ, BERRY MPS, JURITZ J. Helicopter based line transect estimates of South African game populations. *South African Journal for Wildlife Research* 1996; **26**(3): 81-87.

## Referate internasionaal/Papers international

BIGALKE RC, VAN HENSBERGEN HJ. *Conservation management of small populations of ungulates in Southern Africa*. 70th Annual Conference. Deutsche Gesellschaft für Säugetierkunde. Kiel, 1996.

PEPLER D. *Lesser Kestrel Conservation in Africa*. Edward Grey Institute. "Problems of Migration". Department of Zoology, Oxford, 1996.

VAN WYK E, VAN HENSBERGEN HJ. *Contraception in the control of forest rodents*. Conference on the ecology and management of rodents in sub-Saharan Africa. Morogoro, Tanzania, 1996.

## Referate nasionaal/Papers national

ARMSTRONG AJ, VAN HENSBERGEN HJ. *A protocol for wildlife conservation planning in an afforestable grassland region*. Integrating Zoology: Subdisciplines and the Subcontinent Symposium, Zoological Society of Southern Africa. University of Pretoria, 1996.

ARMSTRONG AJ, VAN HENSBERGEN HJ. *Selection of nature reserves in afforestable montane grasslands of the northeastern Cape, South Africa*. Sustainable Use of Wildlife Conference, Southern African Wildlife Management Association. University of Cape Town, 1996.

BIGALKE RC, VAN HENSBERGEN HJ. *Development of a scientifically based game production system*. WMA Symposium on sustainable use of wildlife. Cape Town, 1996.

BIGALKE RC, VAN HENSBERGEN HJ. *Productivity of a small blesbok population*. WMA Symposium on sustainable use of wildlife. Cape Town, 1996.

MARAIS C, ECKERT JB, VAN HENSBERGEN HJ, BOND WJ. *An economic evaluation of alien plant species control in the mountain areas of the southwestern Cape*. FRD Fynbos Forum, Franschoek, 1996.

VAN HENSBERGEN HJ, BIGALKE RC. *Sustainable use management of Bushbuck and Duiker. The Weza experience*. WMA Symposium on sustainable use of wildlife. Cape Town, 1996.

VAN HENSBERGEN HJ, CUNNINGHAM PL. *Sustainable use management of Colophospermum mopane*. WMA Symposium on sustainable use of wildlife. Cape Town, 1996.

## Hoofstukke in boeke/Chapters in books

PEPLER D, DE VILLIERS B, MARTIN R. An approach to management planning for Lesser Kestrels (*Falco naumanni*) overwintering in Africa. In:

Muntaner J, Mayol J, (eds). *Biología y Conservación de las Rapaces Mediterráneas*. Sociedad Española de Ornithología, 1996: 239-250.

## Navorsingsverslae/Research reports

PEPLER D. *Management of Lesser Kestrels Falco naumannii overwintering in Africa*. Report to BirdLife International, Cambridge, 1996. 137 pp.

## Doktoraal afgehandel/Doctoral completed

ARMSTRONG AJ. *Effects of pine afforestation on native niota and conservation evaluation of afforestable grasslands in Montane areas of South Africa*. Ph.D., 1996. 182 pp. Promotor: Dr HJ van Hensbergen.

## Magister afgehandel/Master's completed

CUNNINGHAM PL. *Prospects for sustained harvesting of mopane (Colophospermum mopane) on the Venetia Limpopo Nature Reserve and its implications for browsing ungulates*. M.Sc. in Natuurbewaring, 1996. 132 pp. Promotor/medepromotor: Dr HJ van Hensbergen/prof RC Bigalke.

GRAZ FP. *Management of a Pterocarpus angolensis population under the influence of fire and land use*. M.Sc. in Natuurbewaring, 1996. Promotor: Dr HJ van Hensbergen.

## Projekte lopend/Projects current

BIGALKE RC. *Environmental management/Forestry auditing*.

BIGALKE RC, VAN HENBERGEN HJ. *Conservation management of small isolated populations of ungulates*.

EMSLIE RH. *Ecology and management of the black rhinoceros*. Doktorale promotor: Dr HJ van Hensbergen.

FAIRALL N. *Remote sensing for monitoring of conservation areas*.

LEE A. *Community forestry and the mopane resource*. Doktorale promotor: Dr HJ van Hensbergen.

MARAIS C. *An economic evaluation of alien eradication in the Western Cape catchments*. Doktorale promotor: Dr HJ van Hensbergen.

PEPLER D. *Conservation status and management planning for birds of prey*.

REILLY BK. *Power analysis of helicopter based population estimates*. Doktorale promotor: Dr HJ van Hensbergen.

VAN HENBERGEN HJ. *Quantitative methods in wildlife management and resource ecology*.

VAN WYK E. *The effectiveness of oral contraceptives for the control of oestrus in Rhabdomys pumilio and Otomys irroratus*. Magister studieleier: Dr HJ van Hensbergen.

VAN ZYL WJ. *Conservation on private land*. Magister studieleier: Dr HJ van Hensbergen.



# FAKULTEIT KRYGSKUNDE FACULTY OF MILITARY SCIENCE

---

## bedryfsielkunde (mil.) / industrial psychology (mil.)

### Tydskrifartikels/Journal articles

BEUKES JA. The psychological contract. *Publico* 1996; **16**(1): 25-26.

BEUKES JA. Who trains supervisors? *Publico* 1996; **16**(6): 8-9.

BEUKES JA, VOS HD. Die sielkundige kontrak: Wedersydse verwagtings tydens die aanvangsfase van militêr-akademiese studies. *Tydskrif vir Bedryfsielkunde* 1996; **22**(2): 32-37.

### Verrigtinge internasionaal/Proceedings international

KOTZE E. *Value changes during undergraduate study: A South African perspective*. Proceedings of the Fifth International Conference on Work Values and Behavior. Canada, 1996: 518-527.

## krygsgeskiedenis / military history

### Referate internasionaal/Papers international

POTGIETER TD. *South Africa's naval role in the Mediterranean during the Second World War*. International Colloquium on the Mediterranean as an Element of Maritime Power. Venice, Italy, 1996.

### Referate nasionaal/Papers national

VISSER GE, POTGIETER TD. *Die onderrig van Krygsgeskiedenis in die beroepswêreld*. Gesamentlike Konferensie van die Historiese Genootskap van Suid-Afrika en die Suid-Afrikaanse Vereniging vir Geskiedenisonderrig oor Geskiedenisleerplane: Historiografiese Tendense en Onderrigmetodes. Potchefstroom, 1996.

### Projekte lopend/Projects current

POTGIETER TD. *Aspekte van Suid-Afrikaanse maritieme geskiedenis*.

POTGIETER TD. *Die onderrig van Krygsgeskiedenis aan buitelandse militêre akademies*.

POTGIETER TD. *Die Slag van Saldanha, 1796*.

VAN DER WAAG IJ. *A history of military intelligence in South Africa, 1912-1961*.

VAN DER WAAG IJ. *A military history of Saldanha, 1500-1996.*

VAN DER WAAG IJ. *Serving the services: A history of the South African Defence Force Institute, 1914-1994.* Magister studieleier: Prof F Pretorius.

VAN DER WAAG IJ. *Lt Col HA Wyndham: Odyssey of an English officer and gentleman in South Africa, 1900-1930.*

VISSER GE. *Die geskiedenis van HMS EREBUS.*

VISSER GE. *Die geskiedenis van die Suid-Afrikaanse Militêre Akademie, 1950-1990.* Doktorale promotor: Prof PH Kapp.

VISSER GE. *Militêre professionalisme en die onderrig van Krygsgeskiedenis in Suid-Afrika.*

## **militêre geografie / military geography**

### **Tydskrifartikels/Journal articles**

TANCRED P. Die leefwêreld van die mens: 'n Essensiële komponent van geografie op sekondêre vlak. *Acta Academica* 1995; **27**(2): 91-129.

## **militêre tegnologie / military technology**

### **Projekte lopend/Projects current**

GELDENHUYS HJ. *Gesegregeerde eindige elemente oplossing van die Navier-Stokes vergelykings vir turbulente vloei. (Segregated finite element solution of the Navier-Stokes equations for turbulent flow.)*. Magister studieleier: Prof CG du Toit.

SMIT JPJ. *Aerodinamiese effekte van 'n geskarnierde vlerkpunt. (Aerodynamic effects of a hinged wing-tip.)*. Magister studieleiers: Prof TW von Backström en dr GD Thiar.

## **politieke wetenskap (mil.) / political science (mil.)**

### **Tydskrifartikels/Journal articles**

NELSON C. 'n Kritiese beskouing van die RSA se oorgangsgrondwet. *Joernaal vir Eietydse Geskiedenis/Journal for Contemporary History* 1996; **21**(2): 24-49.

### **Verrigtinge internasionaal/Proceedings international**

NELSON C. *A conceptual model of a future South African Military Academy: The View of the Faculty of Military Science of the University of Stellenbosch at the South African Military Academy.* Proceedings of the International Conference on Comparative University Education for Cadets. Kaushiung, Taiwan, R.O.C., 1996: 101-114.

## **wiskunde (mil.) / mathematics (mil.)**

## Referate nasionaal/Papers national

BEZUIDENHOUT JGH. *First-year university students' understanding of rate of change*. Second National Congress of the Association for Mathematics Education of South Africa. Cape Town, 1996: 246-260.

## sentrum vir militêre studie / centre for military studies

## Referate nasionaal/Papers national

DU PLESSIS L. *Expanding the South African security paradigm: A conceptual landslide*. Kongres van die Suid-Afrikaanse Sosiologievereniging. Durban, 1996.

DU PLESSIS L. *Making sense of security during South Africa's transition: Outgrowing outdated paradigms*. Navorsingskongres van die Suid-Afrikaanse Vereniging vir Politieke Studies. Hunters Rest, 1996.

HEINECKEN L. *Labour rights for the armed forces - a democratic imperative or threat to civil-military relations?* Navorsingskongres van die Suid-Afrikaanse Vereniging vir Politieke Studies. Hunters Rest, 1996.

HEINECKEN L. *Stress and change in the military profession: Attitudes of officer students at the SANDF Military Academy*. Kongres van die Suid-Afrikaanse Sosiologievereniging. Durban, 1996.

## Navorsingsverslae/Research reports

HEINECKEN L, KHANYILE M. *Institutional versus occupational orientations of students at the South African Military Academy*. Sentrum vir Militêre Studie, Saldanha, 1996. 34 pp.

## Projekte afgehandel/Projects completed

CILLIERS J, HEINECKEN LPT. *Post-modernism and the South African National Defence Force*.

CILLIERS J, HEINECKEN L. *South African Defence Policy and the evolution of defence management - the revolution of the last six years*.

DU PLESSIS L, HEINECKEN L. *Comments on policy directive for SANDF interaction with non-governmental organisations*.

HEINECKEN L. *Military human resource issues addressed in the Defence Review process - comments*.

## Projekte lopend/Projects current

DU PLESSIS L. *African armed forces: The challenge of effective maritime defence*.

DU PLESSIS L. *Conceptualising fundamental trends in security thinking in Southern Africa*.

HEINECKEN LPT. *An analyses of labour relations systems within armed forces with particular reference to the South African National Defence Force.*

HEINECKEN LPT. *An evaluation of institutional and occupational trends amongst officers of the South African National Defence Force - a longitudinal study.*

KHANYILE MB. *The role of ethnicity in the security forces - internationally and in South Africa.*

KHANYILE MB. *Trends in military intelligence.*

# FAKULTEIT TANDHEELKUNDE FACULTY OF DENTISTRY

---

**afdeling diagnose en kliniese opleiding  
(Waarby ingesluit die Afdeling Mondhigiëne en  
die Afdeling Maksillofasiale Anesthesiologie) /  
division of diagnosis and clinical education  
(Including the Division of Oral Hygiene and  
the Division of Maxillo-facial Anaesthesiology)**

## **Tydskrifartikels/Journal articles**

BLIGNAUT RJ, DREYER AG. Private medical schemes: Dental claims during 1989 and 1990. *Journal of the Dental Association of South Africa* 1995; **50**(9): 401-404.

ROELOFSE JA, JOUBERT JJdeV, ROELOFSE PGR. A double-blind randomised comparison of midazolam alone and midazolam combined with ketamine for sedation of paediatric dental patients. *Journal of Oral and Maxillofacial Surgery* 1996; **54**: 838-844.

ROELOFSE JA, JOUBERT JJdeV, SWART LC, STANDER I, ROELOFSE PGR. An evaluation of the effect of oral ketamine and standard oral pre-medication in the sedation of paediatric dental patients. *Journal of the Dental Association of South Africa* 1996; **51**: 197-201.

ROELOFSE JA, SWART LC, STANDER IA. An observer-blind randomised parallel group study comparing the efficacy and tolerability of tenoxicam and piroxicam in the treatment of post-operative pain after oral surgery. *Journal of the Dental Association of South Africa* 1996; **51**: 707-711.

## **Referate internasionaal/Papers international**

ROELOFSE JA, LOUW LR, ROELOFSE PGR. *A double-blind randomised comparison of oral ketamine and midazolam or trimeprazine and methadone for sedating children.* 4th Congress of Anaesthesiology and Intensive Medicine. Porto Carras, Griekeland, 1996.

## **Magister afgehandel/Master's completed**

LOUW LR. *A comparative study of the effectiveness of a combination of oral trimeprazine/methadone and oral ketamine/midazolam as sedation for children in dental procedures.* M.Sc. in Tandheelk. Wet., 1996. 49 pp. Studieleier: Prof JA Roelofse.

## **Projekte afgehandel/Projects completed**

ROELOFSE JA, LOUW LR. *A comparative study of the effectiveness of a combination of nasal ketamine/midazolam and rectal midazolam as sedation for children in dental procedures.*

## **Projekte lopend/Projects current**

ROELOFSE JA, THEOLOGIDES M. *A comparison of intranasal sufentanil/midazolam and ketamine/midazolam for paediatric sedation and postoperative pain relief.*

ROELOFSE JA, VAN DER WESTHUIJZEN AJ. *An observer-blind randomised parallel group study comparing the efficacy and tolerability of a combination of Tramadol/Propofol and Propofol alone on anxiety and postoperative pain during and after adult third molar surgery.*

VAN DER WESTHUIJZEN AJ, ROELOFSE JA. *A randomised observer-blind comparison of Tecnol bilateral facial ice packs in subjects undergoing third molar surgery under general anaesthesia and a control group without ice packs.*

## **gemeenskapstandheekunde / community dentistry**

### **Tydskrifartikels/Journal articles**

CHIKTE UME, BRAND AA. Diversity in South African dental schools. *Journal of the Dental Association of South Africa* 1996; **51**: 647-650.

CHIKTE UME, JOSIE-PEREZ AM, COHEN TL. Industrial dental erosion - a case report. *Journal of the Dental Association of South Africa* 1996; **51**: 697-700.

CHIKTE UME, LEWIS HA, RUDOLPH MJ. The effectiveness of a school-based fluoride mouth rinse programme. *Journal of the Dental Association of South Africa*. 1996; **51**: 641-646.

## **Projekte lopend/Projects current**

LOUW AJ. *Analise van fluoried in die dieet en die biobeskikbaarheid daarvan.*

LOUW AJ. *Effect of glassionomer cement on caries in erupting molars.*

LOUW AJ. *An epidemiological survey to determine the caries, fluorosis and nutritional status of 6, 12- and 15 year old school children from communities in sub-optimal and high fluoride areas in the Northern Cape Region (NCR).*

## **herstellende tandheekunde / restorative dentistry**

### **Tydskrifartikels/Journal articles**

PAMEIJER CH, LOUW NP, FISCHER D. Repairing fractured porcelain: How surface preparation affects shear force resistance. *Journal of the American Dental Association* 1996; **127**: 203-209.

## **Projekte afgehandel/Projects completed**

ALBERTS T. *Amelogenese imperfekta: 'n Gevalstudie: Hanteer self of verwys?*

ASHBERG AE. *The endodontic-periodontic lesion.*

BLIEDEN G. *The aesthetic splinting of periodontally involved upper anterior teeth.*

GÜNTER G. *Overlay dentures - Partial dentures for the treatment of advanced tooth wear.*

HAYTON G. *Indirect composite inlays - A review of a one visit technique.*

NORVAL G. *The use of cortico-steroid/antibiotic compounds in pulp capping and pulpotomy procedures - a literature review.*

ODENDAAL J. *The use of calcium hydroxide in vital and non-vital pulp therapy - a literature review.*

PANGARKER A. *The clinical uses of glassionomer cements: A literature review.*

STEENKAMP K. *Guided tissue regeneration in the treatment of facial recession: A review of current procedures.*

TRAIN P. *The cracked tooth syndrome. A literature review.*

VICTOR AM. *Vita in-ceram alumina - 'n literatuuroorsig oor hierdie moderne versterkte porselein.*

## **Projekte lopend/Projects current**

ACKERMANN WD. *Lasers in Dentistry.*

ACKERMANN WD, LOUW NP, PAMEIJER CH. *Histopathological studies of the effect on the pulp of preparing dental cavities by means of the Erbium:YAG laser.*

BLIGNAUT JB, ACKERMANN WD, GROBLER SR. *Die betroubaarheid van galvaniese stroomvloei lesings op amalgaam herstellings.*

BLIGNAUT JB, GROBLER SR. *Die sterkte van gegote stiwwe van verskillende metale.*

HARTSHORNE JE. *Edentulousness and complete denture care in the Western Cape health region with specific reference to the need for denturists.*  
Doktorale promotor: Prof NP Louw.

LOUW NP, LOUBSER E, CVEK M. *Gedeeltelike pulpotomie tegniek met Ca (OH)<sub>2</sub> op kariesus ontblote eerste permanente molare.*

LOUW NP, PAMEIJER CH. *Histopathological studies of visible light cured restorative materials, bases and liners.*

LOUW NP, PAMEIJER CH. *In vivo dentin bonding shear strength test of vital and non vital teeth.*

LOUW NP, PAMEIJER CH, LEWIS CD. *Testing of root canal sealing materials in Baboons.*

LOUW NP, SENEKAL PJC, BLIGNAUT JB, ACKERMANN WD. *Designing and building a simple apparatus to simulate occlusal forces on anterior teeth and using it for testing dental materials and devices.*

LOUW NP, TERBLANCHE E. *Three dimensional Finite Element analysis of the Stress distribution around dental posts.*

PETERS R. *Ondersoek van karies-stabiliseringstegnieke in kinders.*

PETERS R. *Risk factors in the nursing bottle caries syndrome.*

VENTER NJG, GROBLER SR. *Secondary anti-caries efficacy of an 8% SnF2 application in regular amalgam alloy restorations in high caries risk patients.*

## **kaak-, gesig- en mondchirurgie / maxillo-facial and oral surgery**

### **Tydskrifartikels/Journal articles**

ROELOFSE JA JOUBERT JJdeV, ROELOFSE PGR. A double-blind randomized comparison of Midazolam alone and Midazolam combined with Ketamine for sedation of pediatric dental patients. *Journal of Oral and Maxillofacial Surgery* 1996; **54**: 838-844.

ROELOFSE JA, JOUBERT JJdeV, SWART LC, STANDER IA, ROELOFSE PGR. An evaluation of the effect of oral ketamine and standard oral premedication in the sedation of paediatric dental patients. *Journal of the Dental Association of South Africa* 1996; **51**: 197-201.

ROELOFSE JA, SWART LC, STANDER IA. An observer-blind randomised parallel group study comparing the efficacy and tolerability of tenoxicam and piroxicam in the treatment of post-operative pain after oral surgery. *Journal of the Dental Association of South Africa* 1996; **51**: 707-711.

### **Referate internasionaal/Papers international**

ERASMUS JH, GROTEPASS FW. *Evaluation of the long term stability of the genioplasty procedure.* Triangular Maxillofacial and Oral Surgeons Congress. Cape Town, 1996.

GROTEPASS FW. *The phallus culture - Is it still alive?* 10th Anniversary Congress of the International Association of Dental Research. Arusha, Tanzania, 1996.

GROTEPASS FW. *The phallus culture - Is it still alive?* Triangular Maxillofacial and Oral Surgeons Congress. Cape Town, 1996.

GROTEPASS FW, MORKEL JA. *A preliminary report on titanium subperiosteal implants in the maxilla.* 10th Anniversary Congress of the International Association of Dental Research. Arusha, Tanzania, 1996.



GROTEPASS FW, MORKEL JA. *A preliminary report on titanium subperiosteal implants in the maxilla*. Triangular Maxillofacial and Oral Surgeons Congress. Cape Town, 1996.

GROTEPASS FW, MORKEL JA. *Micro-surgery in the Department of Maxillofacial and Oral Surgery of the University of Stellenbosch*. 10th Anniversary Congress of the International Association of Dental Research. Arusha, Tanzania, 1996.

GROTEPASS FW, MORKEL JA. *Micro-surgery in the Department of Maxillofacial and Oral Surgery of the University of Stellenbosch*. Triangular Maxillofacial and Oral Surgeons Congress. Cape Town, 1996.

KRÜGER HEC, GROTEPASS FW, VAN DER WESTHUIJZEN AJ. *Marsupialization of cystic ameloblastoma*. Triangular Maxillofacial and Oral Surgeons Congress. Cape Town, 1996.

MORKEL JA, GROTEPASS FW. *Surgical correction of fistulas of the hard and soft palate*. 10th Anniversary Congress of the International Association of Dental Research. Arusha, Tanzania, 1996.

MORKEL JA, GROTEPASS FW. *Violence and maxillofacial surgery: Special reference to knife stab-wounds of the maxillofacial region*. Triangular Maxillofacial and Oral Surgeons Congress. Cape Town, 1996.

MORKEL JA, GROTEPASS FW. *Violence and maxillofacial surgery*. 10th Anniversary Congress of the International Association of Dental Research. Arusha, Tanzania, 1996.

VAN DER WESTHUIJZEN AJ, GROTEPASS FW, VAN DER MERWE J. *Eagle Syndrome: An alternative surgical solution?* Triangular Maxillofacial and Oral Surgeons Congress. Cape Town, 1996.

## **Projekte lopend/Projects current**

ERASMUS JH, VAN DER WESTHUIJZEN AJ, GROTEPASS FW. *The features of bacteremia associated with severe dento-facial infection*.

MORKEL JA, THEUNISSEN F. *'n Protokol vir die hantering van maksillofasiale infeksies*.

ROELOFSE JA, VAN DER WESTHUIJZEN AJ. *An observer-blind randomised parallel group study comparing the efficacy and tolerability of a combination of Tramadol/Propofol and Propofol alone on anxiety and postoperative pain during and after adult third molar surgery*.

VAN DER WESTHUIJZEN AJ. *Insidensie van inferior alveolêre en linguale senuwee besering tydens die chirurgiese verwydering van geïmpakteerde derde molare in die Departement Kaak-, Gesig- en Mondchirurgie van die Universiteit van Stellenbosch*.

VAN DER WESTHUIJZEN AJ. *A stereophotogrammetric assessment of facial swelling*.

VAN DER WESTHUIJZEN AJ, ROELOFSE JA. *A randomised observer-blind comparison of Tecnol bilateral facial ice packs in subjects undergoing third*

*molar surgery under general anaesthesia and a control group without ice packs.*

## **maksillfasiale radiologie / maxillo-facial radiology**

### **Tydskrifartikels/Journal articles**

NORTJÉ CJ, VAN RENSBURG LJ, THOMPSON IOC. Case report. Magnetic resonance features of metastatic melanoma of the temporomandibular joint and mandible. *Dentomaxillofacial Radiology* 1996; **25**: 292-297.

### **Referate nasionaal/Papers national**

VAN RENSBURG LJ, NORTJÉ CJ, THOMPSON IOC. *Correlative radiology, CT-MR imaging and histopathology of odontogenic keratocyst in a patient with the Nevoid Basal Cell Carcinoma Syndrome*. Scientific Congress of the IADR (SA Division). Sandton, Johannesburg, 1996.

### **Doktoraal afgehandel/Doctoral completed**

FARMAN AG. *Studies in maxillofacial imaging and radiation control*. D.Sc., 1996. 622 pp. Promotor: Prof CJ Nortjé.

WOOD RE. *Analysis of forensic radiographic identification using manipulated digital dental images*. Ph.D., 1996. 223 pp. Promotor: Prof CJ Nortjé.

### **Projekte lopend/Projects current**

NORTJÉ CJ, WOOD RE. *Condylar head displacements secondary to fracture*.

NORTJÉ CJ, WOOD RE. *The relationship between subconjunctival bleeding and zygoma complex fractures*.

NORTJÉ CJ, WOOD RE. *Relative incidence of taurodontism in white, black and Cape coloured populations in Southern Africa*.

NORTJÉ CJ, WOOD RE. *Third molar root length as an indicator of patients age in white and black South African populations*.

NORTJÉ CJ, FERREIRA R, GROTEPASS FW. *Sports injuries of the maxillofacial region: A radiological evaluation*.

## **mondbiologie / oral biology**

### **Tydskrifartikels/Journal articles**

GROBLER SR, BASSON NJ, ROSSOUW RJ. Shear bond strength, microleakage and antimicrobial properties of Ælitebond. *American Journal of Dentistry* 1996; **9**: 120-124.

GROBLER SR, ROSSOUW RJ, KOTZE TJW, DU TOIT IJ. Relative shear bond strength and microleakage of two dentine bonding agents. *Journal of the Dental Association of South Africa* 1996; **51**: 301-306.

VAN DER BIJL P, ROSSOUW RJ. Rigidity of dental local anaesthetic injection needles. *Journal of the Dental Association of South Africa* 1996; **51**: 149-151.

### **Verrigtinge nasionaal/Proceedings national**

GROBLER SR, ROSSOUW RJ. Fluoride release from fluoride containing dental materials. *Journal of Dental Research* 1996; **75**(5): 1309.

GROBLER SR, ROSSOUW RJ, DU TOIT IJ. Relative shear bond strength and microleakage of two dentine bonding agents. *Journal of Dental Research* 1996; **75**(5): 1308.

### **Projekte lopend/Projects current**

GROBLER SR, ROSSOUW RJ, MARESKY LS, THEUNISSEN FS, DU TOIT I, THOMPSON IOC. *The analysis of lead in different zones of the teeth.*

GROBLER SR, ROSSOUW RJ, VAN ZYL JF, SENEKAL PJC. *Clinical evaluation of dentine bonding agents.*

## **mondgeneeskunde en periodonsie / oral medicine and periodontics**

### **Tydskrifartikels/Journal articles**

BOTHA FJH, VAN DER BIJL P, SEIFART HI, PARKIN DP. Fluctuation of the volume of distribution and its effect on once-daily amikacin dosage and clearance in a seriously ill patient. *Intensive Care Medicine* 1996; **22**: 443-446.

DE MIRANDA CM, VAN WYK CW, VAN DER BIJL P, BASSON NJ. The effect of areca nut on salivary and selected microorganisms. *International Dental Journal* 1996; **46**: 119-125.

DREYER WP, VAN WYK CW. Peer-reviewed oral and dental research output in South Africa. *Journal of the Dental Association of South Africa* 1996; **51**: 726-729.

VAN DER BIJL P, BLIGNAUT JB. Subcutaneous emphysema during a bridge adjustment procedure. *Dental Update* 1996; **9**: 13-15.

VAN DER BIJL P, ROSSOUW RJ. Rigidity of dental local anaesthetic injection needles. *Journal of the Dental Association of South Africa* 1996; **51**: 149-151.

VAN DER BIJL P, STOCKENSTRÖM S, VISMER HF, VAN WYK CW. Incidence of fungi and aflatoxins in imported areca nut samples. *South African Journal of Science* 1996; **92**: 154-156.

VAN WYK CW, DE MIRANDA CM, OLIVIER A, VAN DER BIJL P. The effect of baked areca nut extract on the growth of buccal mucosa fibroblasts from healthy non-areca nut chewers. *Journal of the Dental Association of South Africa* 1996; **51**: 29-31.

### **Verrigtinge nasionaal/Proceedings national**

DE WAAL J, OLIVIER A, VAN WYK CW. Fibroblast subpopulations in oral submucous fibrosis. *Journal of Dental Research* 1996; **75**: 1308.

STOCKENSTRÖM S, VAN DER BIJL P, VISMER HF. *Determination of aflatoxins B<sub>1</sub>, B<sub>2</sub>, G<sub>1</sub>, and G<sub>2</sub> in areca nut by reverse phase HPLC using post-column derivatization for enhancement of fluorescence.* Pan-African Environmental Mutagen Society, Second Conference. Cape Town, 1996.

VAN DER BIJL P, STOCKENSTRÖM S, VISMER HF, VAN WYK CW. *Aflatoxins in boiled areca nut.* *Journal of Dental Research* 1996; **75**: 1313.

VAN DER BIJL P, STOCKENSTRÖM S, VISMER HF, VAN WYK CW. *Aflatoxin levels in and incidence of fungi on areca nut samples.* Pan-African Environmental Mutagen Society, Second Conference. Cape Town, 1996.

VAN WYK CW, DE MIRANDA CM, OLIVIER A, VAN DER BIJL P. *The effect of areca nut on fibroblasts from non-chewers.* *Journal of Dental Research* 1996; **75**: 1314.

### **Referate nasionaal/Papers national**

DREYER WP. *A legacy of excellence.* Paper presented at PROSSA Day '96. Johannesburg, 1996.

### **Projekte afgehandel/Projects completed**

WAIT JS. *The significance of toluidine blue staining of the oral mucosa as a screening adjunct in the early detection of asymptomatic premalignant lesions.*

### **Projekte lopend/Projects current**

VAN DER BIJL P. *Aflatoksiene in Areca Neute.*

VAN DER BIJL P. *Permeabiliteit van membrane.*

## **mondpatologie / oral pathology**

### **Tydskrifartikels/Journal articles**

GROBLER SR, THEUNISSEN FS, MARESKY LS. Evidence of undue lead exposure in Cape Town before the advent of leaded petrol. *South African Medical Journal* 1996; **86**(2): 169-171.

NORTJÉ CJ, VAN RENSBURG LJ, THOMPSON IOC. Case report. Magnetic resonance features of metastatic melanoma of the temporomandibular joint and mandible. *Dentomaxillofacial Radiology* 1996; **25**(5): 292-297.

PHILLIPS VM, ROSENDORFF S, SCHOLTZ HJ. Identification of a suicide victim by facial reconstruction. *The Journal of Forensic Odonto-Stomatology* 1996; **14**(2): 34-38.

PHILLIPS VM, SMUTS NA. Facial reconstruction: Utilization of computerized tomography to measure facial tissue thickness in a mixed racial population. *Forensic Science International* 1996; **83**: 51-59.

THOMPSON IOC, VAN RENSBURG LJ, PHILLIPS VM. Desmoplastic ameloblastoma: Correlative histopathology, radiology and CT-MR imaging. *Journal of Oral Pathology and Oral Medicine* 1996; **25**: 405-410.

THOMPSON IOC, VAN WYK CW. An experimental cyst model established from human unkeratinized vaginal mucosa. *British Journal of Oral & Maxillofacial Surgery* 1996; **34**: 530-532.

VAN WYK CW, BASSON NJ, THEUNISSEN FS. Induced candidosis in mice with artificially established oral flora. *Journal of the Dental Association of South Africa* 1996; **51**: 427-432.

### **Referate internasionaal/Papers international**

HAUMAN CHJ, THOMPSON IOC, BEALE M, CILLIERS F, PAUL L. *Characterization of Candida species isolated from HIV sero-positive individuals.* (Poster) Third International Workshop on the Oral manifestations of HIV. London, 1996.

THEUNISSEN FS. *Resistant gram negative anaerobic infections of the head and neck area.* (Poster) 21st World Congress of the International Association of Medical Laboratory Technologists. Oslo, 1996.

### **Referate nasionaal/Papers national**

PHILLIPS VM, SMUTS NA. *Facial reconstruction - Facial tissue thickness in a mixed racial population.* 30th Congress of the IADR. Sandton, 1996.

PHILLIPS VM, SMUTS NA. *Facial reconstruction: The utilization of computerized tomography to measure facial tissue thickness.* The First African Congress of Maxillo-Facial Radiology. Cape Town, 1996.

### **Magister afgehandel/Master's completed**

WROE G. *Estimating tooth age by means of root colour: An investigation into the suitability of using a Lovibond tintometer to quantify root colour.* M.Sc. in Tandheelk. Wet., 1996. 47 pp. Promotor: Prof VM Phillips.

### **Projekte afgehandel/Projects completed**

PHILLIPS VM, SMUTS NC. *Die rekonstruksie van gesigte op die skedel. Die gebruik van rekenaar tomografie om gesigsweefsel dikte te meet. (The reconstruction of facial features from the skull: The utilization of computerized tomography to measure facial tissue thickness.)*

### **Projekte lopend/Projects current**

HAUMAN CHJ, LE ROUX E, DE WAAL J, LASTOVICA A. *Betrokkenheid van Campylobacter verwante organismes uit tandplaak in gastro-intestinale siekte. (The involvement of Campylobacter related organisms from dental plaque in gastro-intestinal disease.)*

HAUMAN CHJ, PAUL L. *Karakterisering van Candida spesies geïsoleer vanaf akute leukemie pasiënte op chemoterapie. (Characterization of Candida species isolated from acute leukaemia patients receiving chemotherapy.)*

HAUMAN CHJ, THOMPSON IOC. *Karakterisering van Candida spesies afkomstig van HIV sero-positiewe individue. (Characterization of Candida species from HIV sero-positive individuals.)*

PAUL L. *Characterization of Candida species isolated from acute leukaemia patients receiving chemotherapy.* Magister studieleier: Dr CHJ Hauman.

PHILLIPS VM, ROSENDORF S. *'n Evaluering van suksesvolle rekonstruksie van gesigte deur die gebruik van doodsmaskers en kadawer materiaal. (An evaluation of the success of facial reconstruction using death masks and cadaver material.)*

PHILLIPS VM, THOMPSON IOC. *Ouderdomsbepaling van individue deur die gebruik van roentgengenografie (pantomografe). (Age determination of individuals using radiographs (pantomographs).)*

THOMPSON IOC, PHILLIPS VM. *Ouderdomsbepaling van individue deur die gebruik van tande: 'n Vergelyking tussen maksillêre snytande en hoektande. (Age determination of individuals using teeth: A comparison between maxillary and mandibular incisors and canines.)*

## **ortodonsie / orthodontics**

### **Tydskrifartikels/Journal articles**

LAMBRECHTS AHD, HARRIS AMP, ROSSOUW PE, STANDER I. Dimensional difference in the craniofacial morphologies of groups with deep and shallow mandibular antegonial notching. *The Angle Orthodontist* 1996; **66**(6): 265-272.

STEYN L, HARRIS AMP, DU PREEZ RJ. Anterior arch Circumference adjustment - How much? *The Angle Orthodontist* 1996; **66**(6): 457-462.

### **Verrigtinge nasionaal/Proceedings national**

STEYN CL, HARRIS AMP. Differential premolar extractions in orthodontics. *Journal of Dental Research* 1996.

### **Referate nasionaal/Papers national**

JOHANNES K, JOSEPH VP, HARRIS AMP. *A soft tissue assessment of a Coloured population - A pilot study.* 30th Scientific Congress of the International Association of Dental Research (SA Division). Sandton, 1996.

REID R, JOSEPH VP, HARRIS AMP. *Comparison of different finishing techniques following Orthodontic brackets removal - a pilot study.* 30th

Scientific Congress of the International Association of Dental Research (SA Division). Sandton, 1996.

### **Projekte afgehandel/Projects completed**

STEYN CL, DU PREEZ RJ, HARRIS AMP. *Differential premolar extractions.*

### **Projekte lopend/Projects current**

ESHLAGHI S. *Mixed dentition tooth size analysis probability tables for the South African "Cape Coloured" population.* Magister studieleier: Prof AMP Harris.

## **tandheelkundige prostetiek / dental prosthetics**

### **Tydskrifartikels/Journal articles**

ADAMS LP, JOOSTE CH, THOMAS CJ, HARRIS AMP. Biostereometric quantification of clinical denture tooth wear. *Journal of Oral Rehabilitation* 1996; **23**: 667-674.

### **Referate nasionaal/Papers national**

GEERTS GAVM. *Bite plate treatment.* "BLOOMING" Dental Course. Universiteit van Stellenbosch en die Prostodontiese Vereniging van Suid-Afrika, 1996.

PITIGOI-ARON G. *Esthetics in full dentures.* "BLOOMING" Dental Course. Universiteit van Stellenbosch en die Prostodontiese Vereniging van Suid-Afrika, 1996.

### **Magister afgehandel/Master's completed**

ROOS AW. *Bicortically versus monocortically placed implants: A three-dimensional finite element analysis of stress patterns in the human mandible.* M.Ch.D., 1996, 18 pp. Studieleier: Prof CH Jooste.

VAN ZYL PA. *Designing edentulous custom trays utilizing biostereometric analysis of casts.* M.Ch.D., 1996, 18 pp. Studieleier: Prof CH Jooste.

### **Projekte lopend/Projects current**

GEERTS GAVM, JOOSTE CH, HOUGH S. *Correlation between abnormal bone density tests and clinical success of osseointegrating implants.*

GEERTS GAVM, PITIGOI-ARON G. *Denture stomatitis.*

PITIGOI-ARON G. *Esthetic perceptions in a cross-cultural population.* Magister studieleier: Dr GAVM Geerts.

## **navorsingsinstituut vir mond- en tandheelkunde / oral and dental research institute**

### **Tydskrifartikels/Journal articles**

BASSON NJ, VAN WYK CW. The establishment of a community of oral bacteria that controls the growth of *Candida albicans* in a chemostat. *Oral Microbiology and Immunology* 1996; **11**: 199-202.

DE MIRANDA CM, VAN WYK CW, VAN DER BIJL P, BASSON NJ. The effect of areca nut on salivary and selected microorganisms. *International Dental Journal* 1996; **46**: 119-125.

DREYER WP, VAN WYK CW. Peer-reviewed oral and dental research output in South Africa, 1990-1994. *Journal of the Dental Association of South Africa* 1996; **51**: 726-729.

GROBLER SR, BASSON NJ, ROSSOUW RJ. Shear bond strength, microleakage and antimicrobial properties of *Ælitebond*. *American Journal of Dentistry* 1996; **9**: 120-124.

GROBLER SR, ROSSOUW RJ, KOTZE TJvW, DU TOIT IJ. Relative shear bond strength and microleakage of two dentine bonding agents. *Journal of the Dental Association of South Africa* 1996; **51**: 301-306.

GROBLER SR, THEUNISSEN FS, MARESKY LS. Evidence of undue lead exposure in Cape Town before the advent of leaded petrol. *South African Medical Journal* 1996; **86**: 169-171.

THOMPSON IOC, VAN WYK CW. An experimental cyst model established from human unkeratinized vaginal mucosa. *British Journal of Oral and Maxillofacial Surgery* 1996; **34**: 530-532.

VAN DER BIJL P, ROSSOUW RJ. Rigidity of dental local anaesthetic injection needles. *Journal of the Dental Association of South Africa* 1996; **51**: 149-151.

VAN DER BIJL P, STOCKENSTRÖM S, VISMER HF, VAN WYK CW. Incidence of fungi and aflatoxins in imported areca nut samples. *South African Journal of Science* 1996; **92**: 154-156.

VAN WYK CW, BASSON NJ, THEUNISSEN F. Induced candidosis in mice with artificially established oral flora. *Journal of Dental Association of South Africa* 1996; **51**: 427-432.

VAN WYK CW, DE MIRANDA C, OLIVIER A, VAN DER BIJL P. The effect of baked areca nut extract on the growth of buccal mucosa fibroblasts from healthy non-areca nut chewers. *Journal of the Dental Association of South Africa* 1996; **51**: 29-31.

## **Verrigtinge internasionaal/Proceedings international**

BASSON NJ, GROBLER SR, THEUNISSEN FC. *Antimicrobial activity of two South African honeys and New Zealand Manuka honey on selected oral micro-organisms*. International Conference on Bee Products: Properties, applications and apitherapy. Tel-Aviv, Israel, 1996: 66.

GEDALIA I, SAVOV K, SHAPIRA L, LEWINSTEIN I, GROBLER SR, MAYER I, TEOTIA S. *Dental fluorosis (DF), fluoride (F) in tooth enamel, crystallinity and microhardness (MH)*. *Journal of Dental Research* 1996; **75**: 307.



GEDALIA I, STEINBERG D, GRIZIM I, GROBLER SR, SELA MO. *Effect of honey on human tooth enamel in vivo examined by microhardness*. International Conference on Bee Products: Properties, applications and apitherapy. Tel-Aviv, Israel, 1996: 38.

GROBLER SR. *The effect of honey on human tooth enamel*. International Conference on Bee Products: Properties, applications and apitherapy. Tel-Aviv, Israel, 1996: 37.

GROBLER SR, BASSON NJ. *The effect of honey on human tooth enamel and oral bacteria*. *Bee Products: Properties, Applications and Apitherapy* 1996: 65-71.

## Verrigtinge nasionaal/Proceedings national

DE WAAL J, OLIVIER A, VAN WYK CW. *Fibroblast subpopulations in oral submucous fibrosis*. *Journal of Dental Research* 1996; **75**(5): 1308.

GROBLER SR, ROSSOUW RJ. *Fluoride release from fluoride containing dental materials*. *Journal of Dental Research* 1996; **75**(5): 1309.

GROBLER SR, ROSSOUW RJ, DU TOIT IJ. *Relative shear bond strength and microleakage of two dentin bonding agents*. *Journal of Dental Research* 1996; **75**(5): 1308.

JOOSTE CH, GEERTS GA, GROBLER SR. *Correlation between hardness and clinical abrasion resistance of denture teeth*. *Journal of Dental Research* 1996; **75**(5): 1308.

PAUL L, VAN WYK CW, GARTRELL K, THOMPSON IOC, ROSENSTRAUCH WJCJ, HAUMAN CHJ. *Characterization of oral Candida isolates from patients with acute leukemia*. *Journal of Dental Research* 1996; **75**(5): 1312.

VAN DER BIJL P, STOCKENSTRÖM S, VISMER H, VAN WYK CW. *Aflatoxins in boiled areca nut*. *Journal of Dental Research* 1996; **75**(5): 1313.

VAN WYK CW, DE MIRANDA CM, OLIVIER A, VAN DER BIJL P. *The effect of areca nut on fibroblasts from non-chewers*. *Journal of Dental Research* 1996; **75**(5): 1314.

## Referate internasionaal/Papers international

VAN WYK CW. *The aetiology of oral submucous fibrosis. In vitro experiment*. College of Dental Surgery. Manipal, India, 1996.

VAN WYK CW. *The aetiology, pathogenesis and management of oral submucous fibrosis*. Regional Cancer Centre. Thriuvanthapuram, Kerala, India, 1996.

VAN WYK CW. *Basic research methodology*. Bapuji Dental College & Hospital. Davangere, India, 1996.

VAN WYK CW. *The betel habit, oral submucous fibrosis and related oral cancer*. The Workshop on lesions associated with betel quid and tobacco chewing habits with special consideration on betel chewer's mucosa. Kuala Lumpur, Malaysia, 1996.

VAN WYK CW. *The disease oral submucous fibrosis*. Experimental studies. Nair Hospital Dental College and Indian Academy of Oral Pathologists. Bombay, India, 1996.

VAN WYK CW. *Forensic dentistry*. Trivandrum Dental College. Thriuvanthapuram, Kerala, India, 1996.

VAN WYK CW. *Oral lesions caused by deleterious habits*. Symposium on Oral Precancer & Cancer, Golden Jubilee Celebrations, Govt Dental College & Hospital. Nagpur, India, 1996.

VAN WYK CW. *Oral lesions caused by tobacco habits*. College of Dental Surgery. Mangalore, India, 1996.

VAN WYK CW. *Oral submucous fibrosis: Experimental studies and studies on its clinical and structural features*. 9th Annual Conference, Indian Society for Dental Research. Thriuvanthapuram, Kerala, India, 1996.

VAN WYK CW. *Oral submucous fibrosis: the South African scene*. Dr IC Dudani Memorial Oration of the Indian Dental Association. Nagpur, India, 1996.

VAN WYK CW. *The pathology of oral submucous fibrosis*. Bapuji Dental College & Hospital. Davangere, India, 1996.

### **Referate nasionaal/Papers national**

DE MIRANDA CM, VAN WYK CW, VAN DER BIJL P, BASSON NJ. *The antibacterial properties of areca nut*. 30th Scientific Congress of the South African Division of the International Association for Dental Research. Sandton, Johannesburg, 1996.

OLIVIER A, VAN WYK CW. *The cytoskeleton of buccal mucosa fibroblasts: An immunofluorescence study*. 30th Scientific Congress of the South African Division of the International Association for Dental Research, Sandton, Johannesburg, 1996.

### **Projekte lopend/Projects current**

BASSON NJ. *The role of the autochthonous microflora in the maintenance of Candida albicans commensalism in the oral cavity*. Doktorale promotor: Prof CW van Wyk.

DU TOIT IJ, BASSON NJ, GROBLER SR. *Honey and its effects on tooth enamel and plaque pH*.

GROBLER SR. *Fluoride studies of isolated communities*.

GROBLER SR, ROSSOUW RJ, MARESKY LS, THEUNISSEN FS, DU TOIT I, THOMPSON IOC. *The analysis of lead in different zones of the teeth*.

GROBLER SR, ROSSOUW RJ, VAN ZYL JF, SENEKAL PJC. *Clinical evaluation of dentine bonding agents*.

VAN WYK CW, OLIVIER A, VAN DER BIJL P. *A molecular study of the effects of areca nut on the oral mucosa*.

VAN WYK CW, THOMPSON IOC, WRANTZ PAB, DU TOIT GC. *The epithelial-connective tissue interaction in premalignant lesions.*

VAN WYK CW, VAN DER BIJL P. *Suppression of the immune response: Its effects on reinfection of mice with an acquired immunity against Candida albicans.*

VAN WYK CW, VAN DER BIJL P, COOPER RC. *The acquired immune response to C. albicans.*