

Science
Comm
Pharm



RHODES UNIVERSITY

GRADUATION CEREMONY

SATURDAY, 7 APRIL 1990

at 10 a.m. in the

1820 Settlers National Monument

CHANCELLOR

Ian Mackenzie, D.S.O., M.A., LL.D., C.A. (S.A.)

VICE-CHANCELLOR

D.S. Henderson, M.A., Ph.D., F.C.S.S.A.

PRO-VICE-CHANCELLOR

R. van der Merwe, B.Sc., (Hons.), Ph.D.

DEANS

Professor M.G. Whisson, Ph.D.

Professor M.E. Brown, B.Sc., (Hons.), Ph.D.

Professor A.J. Kerr, LL.M., Ph.D.

Professor R. Tunmer, B.A. (Hons.), B.Ed.

Professor P. van der Watt, M.Sc., Ph.D.

Professor W.A. Mitchell, B.A. (S.S.) (Hons.),

M.Soc.Sc., D.Phil.

Professor B.P. Gaybba, S.T.L., S.T.D.

Professor B. Potgieter, D.Sc. (Pharm.), D.T.D.,

M.R. Pharms., M.P.S.(S.A.)

Professor W.J. Kotzé, Ph.D.

Dean of the Faculty of Arts

Dean of the Faculty of Science

Dean of the Faculty of Law

Dean of the Faculty of Education

Dean of the Faculty of Commerce

Dean of the Faculty of Social Science

Dean of the Faculty of Divinity

Dean of the Faculty of Pharmacy

Dean of Research

REGISTRAR

K.S. Hunt, M.A., Ph.D., F.R. Hist. S.

VIS VIRTUS VERITAS

Quae paris cives animo vigentes
Africae praebens rationis artes
Alma te mater canimus libenter
Nos Rhodienses.

You who produce citizens of vigorous
intellect, as you offer to Africa the
arts and skills which come from reason -
we who are Rhodians gladly hymn you,
our *Alma Mater*.

Veritas semper pretiosa nobis
Praesit et pellat procul omne furtum
Neu sinat quemquam male consulentem
Discere falsa.

May truth be always precious and
preside over us and may it drive far
away all deceit, nor may it allow
anyone with evil intent to learn
what is false.

Quicquid est foedum cohibere, quicquid
Integrae vitae proprium tueri
Gaudeat virtus studiosa pacis
Visque benigna.

May virtue and courage, eager for peace,
together with well disposed strength,
rejoice to restrain whatever is
disgusting, and to uphold whatever
belongs to the fullness of life.

Purpura cincti memoresque patrum
Cuique nitamur dare iustum honorem
Neminique umquam licet invidentes
Astra petamus.

Clad with purple, and remembering our
fathers, let us strive to render to
everyone with honour which is due, and
without envying anyone let us aim
for the stars.

ORDER OF PROCEEDINGS

The Congregation is requested to stand while the Procession enters the Auditorium and to join in the singing of the PURPLE AND WHITE.

The Chancellor will constitute the Congregation.

The Dean of Divinity will read a portion of the Scripture and offer a prayer.

The Chancellor of Rhodes University, Dr Ian Mackenzie, will address the Congregation.

The Deans of the Faculties will present the candidates for the award of Diplomas and Certificates and candidates for the Degrees of Bachelor, Bachelor with Honours, Master and Doctor of Philosophy.

The Public Orator (Professor W. J. Kotzé) will present:

GWENDOLEN TRUDA BROCK for the Degree of Doctor of Laws, **Honoris Causa.**

HELEN SUZMAN for the Degree or Doctor of Laws, **Honoris Causa.**

The Chancellor will dissolve the Congregation.

The Congregation is requested to stand and join in singing GAUDEAMUS Igitur while the Procession leaves the Auditorium.

FACULTY OF SCIENCE

DEGREE OF BACHELOR OF SCIENCE

AYERST, Lance Noel	MACKAY, Christine Fiona
BLINKINSOP, Peter David, WITH DISTINCTION IN Mathematics	MADIKANE, Simon Simphiwe
BRICELAND, Fiona, WITH DISTINCTIONS IN Biochemistry AND Microbiology	MAHLANGU, David Somakhoba
BROWN, Douglas Christopher, WITH DISTINCTION IN Computer Science	MAINE, Daniel Mokhasi
BUCHAN, Robin Scott	MANGOLD, Stuart James
BUCHNER, Sarah Jane, WITH DISTINCTION IN Physics with Electronics	MARSHALL, Kenneth Leonard
BURGESS, Ian Sutherland	MCHUNU, Bonganinkosi Isaac
COBBAN, Dale Anne, WITH DISTINCTIONS IN Geography AND Industrial Psychology	MDAKANE, Nhlanhla Joshua
COX, David Mark	MIA, Rafik Bala, WITH DISTINCTION IN Biochemistry
DANIELS, Zamuxolo Solomon	MNYENGEZA, Macdowell Msingathi
DONALDSON, Jennifer Ann	MOLOI, Molisa Geoffrey
DU PREEZ, Joanne Lesley, WITH DISTINCTION IN Zoology	MORALADI, Moses
EASON, Jason Shane	MOYENI, Alfred Vusi
EDMONDSON, Victoria Jane, WITH DISTINCTIONS IN Biochemistry AND Chemistry	NARKEDIEN, Zaahid
FARQUHAR, Michael Robert	NGCOZA, Kenneth Mlungisi
FOSTER, Gregory George, WITH DISTINCTIONS IN Entomology AND Zoology	NXELE, Mahlubandile
GLAUM, Deanne Melanie	NXOMANI, Clifford David
GOETSCH, John Philip	PATERSON, Angus William, WITH DISTINCTION IN Zoology
GRUNEWALD, Brendon Peter	PERKINS, Martin David Layton
GUTHRIE, Avril Jean, WITH DISTINCTION IN Microbiology	PHILLIPS, Trevor David
HAGEMANN, Justin Philip	PLATT, Tracy Jane
HARRIS, Paul Graham	POLACSEK, Richard Antony
HARVETT, Craig Michael	RANGER, Lara Elizabeth
HELLSTROM, Gavin Bernhard	RASMUSSEN, Jan Magnvald
HENSBURG, Pierre Grant, WITH DISTINCTION IN Entomology	ROMAN, Cheran Karen Arlys
HERBERT, Leon Jason	SINGER, Jeffrey
HEWITT, Paul Gray	SPEARS, Mary Rainier
HILL, Martin Patrick, WITH DISTINCTIONS IN Entomology AND Zoology	SUTTON, Fiona Helen
HOBSON, Saskia Ruth	TRIBELHORN, Michael John
HORNE, Lesley Gail	TUCKER, Sandra Louise
HUNDLING, Nico	VAN WYK, Elizabeth Joy, WITH DISTINCTION IN Microbiology
JONES, Hedley Owen	WATKINS, Rees Collyer
JOUBERT, Wayne Jeremy Vernon	WATSON, Dawn Louise
KHAN, Sirferaz	WHITTAL, Hamish Bertram
KOAHU, Sejo	WIGLEY, Rochelle Anne
LUTTIG, Dianne Christine	WILHELMI, Tamara Veronica
	WILMOT, Philippa Jane, WITH DISTINCTION IN Geography
	WILSON, Carol Brenda, WITH DISTINCTION IN Microbiology
	WOOD, Aidan David, WITH DISTINCTION IN Entomology
	ZAKE, Vuyiswa
	ZWANIKKEN, Pauline Madelaine, WITH DISTINCTION IN Zoology

DEGREE OF BACHELOR OF SCIENCE (INFORMATION PROCESSING)

BROOKS, Roger Martin	CLARK, Susan Lesley
BROWN, Russell Michael	CUFF, Cinde Blanche

DAYAL, Hemletta
ELDRIDGE, Craig Grant
HOWE, Trevor John
LOWE, John Graham
NKONYENI, Vuyisa
OGLE, James Patrick

OSMAN, Riaz Anver Ebrahim
PERRING, Craig
SCHULZ, Andreas Hans
SMITH, Andrew Bryan
STOBART, Kathryn Elizabeth
WILLIAMS, David Glyn

DEGREE OF BACHELOR OF SCIENCE WITH HONOURS

ADAMSON, Deborah Jane
ARNOTT, Angela Jinty
AUGUST, Harold Archibold Hallack
BAARTMAN, Nontsikelelo
BARNARD, Timothy Charles Edgar
BERMAN, Karin Anea
BODE, Moira Leanne
BOUCHER, Kim Gillian
BOULLE, David Phillippe
CLAYDEN, Craig Stephen
COX, Dermot Joseph
DAVIE, Gerald Allan
ELLIS, Michelle
FLEMING, Ian Trevor
GARRARD, Sarah Margaret
HALL, Ann Morag
HARNETT, Rait Sicklen
HODGEN, Edith Margaret
HOMANN, Stuart Colin
HOYLE, Phoenix
JAECKEL, Michael Brett
JORDAAN, Winstone Herbert
JOUBERT, Barend Daniel
JUDD, Rachel Anne
LANG, Judy Brenda

LETEBELE, Ookame Benison
LINDLEY, David Stewart
LOGIE, Malcolm Ronald Ruxton
LONGDEN, Nicholas Guy
LOSINSKY, Rory
LUBBE, Sean Christopher
MAART, Brenton Ashley
MALGHAS, Booi
MARAIS, Sarah Elizabeth Alexandra
MATUTU, Phethiwe Precious
MCLACHLAN, John Geoffrey
MCLELLAN, Karen Pauline
MERCER-CHALMERS, June Dawn
METELERKAMP, Roger Gordon Midgley
MOLL, John Bingham
MOTOPI, Mamphi Jacobina
MULLIN, Garrick Maitland
PECH, Greta Anneen
RENCKEN, Ingrid Christa
REWITZKY, Ingrid Moira
RITCHIE, Graham George
ROESENER, Herbert
ROOS, Robin Michael

in Microbiology
in Zoology
in Biochemistry
in Chemistry
in Zoology
in Biotechnology
WITH DISTINCTION IN Chemistry
WITH DISTINCTION IN Geography
in Ichthyology and Fisheries Science
in Ichthyology and Fisheries Science
WITH DISTINCTION IN Microbiology
in Geology
in Geology
in Computer Science
WITH DISTINCTION IN Biotechnology
in Microbiology
WITH DISTINCTION IN Mathematics
in Mathematical Statistics
in Mathematics
in Geology
in Computer Science
in Computer Science
in Geology
in Biochemistry
WITH DISTINCTION IN Ichthyology and Fisheries
Science
in Biotechnology
in Zoology
in Botany
in Biochemistry
in Psychology
in Microbiology
in Microbiology
in Geology
in Psychology
in Mathematics
in Entomology
WITH DISTINCTION IN Computer Science
in Chemistry
in Chemistry
in Botany
in Biotechnology
in Geology
in Ichthyology and Fisheries Science
in Entomology
WITH DISTINCTION IN Mathematics
in Microbiology
in Geology
WITH DISTINCTION IN Computer Science

SCHAUERTE, Werner Karl	in Chemistry
SELANTO, Nonkosi Pinky	in Mathematics
SISWANA, Msimelelo Patrick	in Chemistry
SONNENBERG, Bernd Jurgen	in Botany
STIEFENHOFER, Johann	in Geology
STOBART, Michael David	in Ichthyology and Fisheries Science
STOLL, Karin Elisabeth	in Biochemistry
TAYLOR, Steven John	in Chemistry
TOOKE, Larry Frank	WITH DISTINCTION IN Computer Science
TRACEY, Mary Clare	in Biochemistry
WATERS, Ian Ross	in Entomology
WAY, Michael John	in Entomology

DEGREE OF MASTER OF SCIENCE

BEATER, Anne Brenda, B.Sc. (Natal), B.Sc.(Hons), in Hydrology, in the Department of Geography.

Thesis: The applicability of two simple single event rainfall-runoff models to catchments with different climate and physiography.

BOJARSKI, Christina, B.Sc.(Hons), in Zoology, in the Department of Zoology and Entomology.

Thesis: Immunolocalisation of, and ultrastructural changes in the LH Gonadotropes of *Miniopterus schreibersii* and *Rhinolophus capensis* (Mammalia: Chiroptera) in relation to their reproductive cycles.

BURTON, Stephanie Gail, B.Sc.(Hons)(Rhodesia), in Chemistry, in the Department of Chemistry and Biochemistry, WITH DISTINCTION.

Thesis: A chemical investigation of *Tulbaghia violacea*.

COOKE, Nicholas Duncan, B.Sc.(Hons), in Applied Computer Science, in the Department of Computer Science.

Degree by course work and thesis.

Short Thesis: Initial findings of an investigation into the feasibility of a low level image processing workstation using transputers.

COWLEY, Paul Denfer, B.Sc.(Port Elizabeth), B.Sc.(Hons), in Ichthyology, in the Department of Ichthyology and Fisheries Science, WITH DISTINCTION.

Thesis: The taxonomy and life history of the blue stingray, *Dasyatis marmorata capensis* (Batoidea: Dasyatidae) from southern Africa.

DOWER, Katherine Mary, B.Sc.(Cape Town), B.Sc.(Hons), in Zoology, in the Department of Zoology and Entomology, WITH DISTINCTION.

Thesis: Sand inundation on rocky shores: its effects on species richness and the structure of species assemblages.

HAIGH, Eliria Heloise, B.Sc.(Rhodes), B.Sc.(Hons)(Stellenbosch), in Ichthyology, in the Department of Ichthyology and Fisheries Science.

Thesis: An analysis of the early ontogeny of *Aplocheilichthys johnstoni* (Gunther, 1893) from a life history perspective.

HANDLER, Caroline, B.Sc.(Hons), in Applied Computer Science, in the Department of Computer Science.

Degree by course work and thesis.

Short Thesis: Parallel process placement.

JAMES, Nicholas Philip Edward, B.A.(Hons)(Rhodesia), in Ichthyology, in the Department of Ichthyology and Fisheries Science.

Thesis: A life history approach to the biology of *Oreochromis mossambicus* (Pisces: Cichlidae) in the eastern Cape, South Africa.

NAISH, Kerry-Ann, B.Sc.(Cape Town), B.Sc.(Hons), in Fisheries Science, in the Department of Ichthyology and Fisheries Science.

Thesis: The stock identification of the Cape horse mackerel, *Trachurus trachurus capensis* (Pisces: Carangidae).

NEFDT, Rory John Charlton, B.Sc.(Hons), in Entomology, in the Department of Zoology and Entomology.

Thesis: Interactions between fig wasps and their host figs.

NTSABA, Mankone Mabataung, B.Sc.(Lesotho), B.Sc.(Hons), in the Department of Geography, WITH DISTINCTION.

Thesis: An investigation into the nature and extent of erosion and sedimentation in the Magalika Dam catchment, Maseru.

PIENAAR, Anthony Graham, B.Sc.(Witwatersrand), B.Sc.(Hons), in Ichthyology, in the Department of Ichthyology and Fisheries Science, WITH DISTINCTION.

Thesis: A study of coeval sibling cannibalism in larval and juvenile fishes and its control under culture conditions.

TENNANT, Robert Satchwell, B.Sc., in Applied Computer Science, in the Department of Computer Science. Degree by course work and thesis.

Short Thesis: An alternative peripheral executive for the Data General AOS/VS operating system.

VISSER, Evelyn Louise, B.Sc.(Pretoria), B.Sc.(Hons)(RAU), in Zoology, in the Department of Zoology and Entomology.

Thesis: Nematode parasites of rock dassies, *Procavia capensis* (Pallas, 1766), in the Mountain Zebra National Park with particular reference to the taxonomy of the genus *Theiferiana* Mönnig, 1924.

WALRAVEN, Felix Caspar, B.Sc.(Hons), in the Department of Geology.

Thesis: The geology and alteration - mineralisation of the Gamigab Tin Prospect, Damaraland, Namibia.

WELLS, George Clifford, B.Sc.(Hons), in the Department of Computer Science, WITH DISTINCTION.

Thesis: A study of real-time operating systems for microcomputers.

WHITTAL, Rory Desmond, B.Sc.(Hons), in Chemistry, in the Department of Chemistry and Biochemistry.

Thesis: Synthetic and spectrometric investigation of 1,4-benzoxazepines.

WILSON, Michael George Carey, B.Sc.(Natal), in Economic Geology, in the Department of Geology.

Degree by course work and thesis.

Short Thesis: A preliminary appraisal of the mineral potential of Venda based on a reconnaissance geochemical soil sampling survey and literature review.

DEGREE OF DOCTOR OF PHILOSOPHY IN THE FACULTY OF SCIENCE

CLAYTON, Peter Graham, M.Sc., in the Department of Computer Science.

Thesis: Interrupt-generating active data objects.

DE VILLERS, Casper Johannes, B.Sc.(Hons), in Zoology, in the Department of Zoology and Entomology.

Thesis: Aspects of the biology of the infaunal bivalve mollusc *Solen cylindraceus* (Hanley) in the Kariega estuary.

EBERT, David Anthony, B.A.(Humboldt), M.A.(San Jose), in Ichthyology, in the Department of Ichthyology and Fisheries Science.

Thesis: The taxonomy, biogeography and biology of cow and frilled sharks (Chondrichthyes: Hexanchiformes).

GARDINER, Neil Stockenstrom, B.Sc.(Hons), in Biochemistry, in the Department of Chemistry and Biochemistry.

Thesis: Essential fatty acids and ascorbic acid - interactions and effects on melanoma growth.

GAYLARD, Michael John, B.Sc.(Hons)(Rhodesia), M.Sc., in Physics, in the Department of Physics and Electronics.

Thesis: Radio studies of ionized hydrogen in the southern Milky Way.

JIIYA, Zindlovu, B.Sc.(Hons)(Unisa), M.Sc.(Southampton), in Physics, in the Department of Physics and Electronics.

Thesis: Students' conceptions of simple D C electricity circuits: a study of primary, inappropriate conceptions, learning difficulties of Physics students, and implications for instruction.

MOUNTFORT, Peter Ian, B.Sc.(Hons), in Physics, in the Department of Physics and Electronics.

Thesis: The observation of extended sources with the Hartebeesthoek radio telescope.

PERKINS, Denise Mary, B.Sc.(Hons), in Biochemistry, in the Department of Chemistry and Biochemistry.

Thesis: Isolation of and interaction of nutrients with the linoleoyl-CoA desaturase complex.

UYS, Wynand, B.Sc.(Hons)(RAU), M.Sc., in Fisheries Science, in the Department of Ichthyology and Fisheries Science.

Thesis: Aspects of the nutritional physiology and dietary requirements of juvenile and adult sharptooth catfish, *Clarias gariepinus* (Pisces: Clariidae).

FACULTY OF COMMERCE

CERTIFICATE IN SECRETARIAL PRACTICE

O'DONOVAN, Clare Agnes Mary

DEGREE OF BACHELOR OF COMMERCE

ADAMSON, Craig
BAIRD, Richard James
BENATAR, Antony Howard
BERNDT, Grant Andrew
BERRINGTON, Kevin Joseph
BEZUIDENHOUT, Jens
BICKER CAARTEN, Frans Anton
BISHOP, Mark Ridal
BLOOMHILL, Simon Hessel
BOLT, Jeremy David
BOUWER, Robert Alan
BUNYARD, Gregory Charles
BURGESS, Christelle Amelia
BYRNES, Michael Sydney
CADLE, Gary Michael
CALLAGHAN, Hugh Leland John, WITH
DISTINCTION IN Economics
CLARKE, Jonathan Graham
COLLINS, Graham Duncan
COOPER, Gary Simon
COWIE, Antony David
CRUZ, Rui Jose Da Silva
CULVERWELL, Mark
DE BEER, Michael John Peter
DE WET, Kevin Vivian
DEUTSCHMANN, David Dudley
ELMES, Gary Keith
FAIRALL, Douglas Mark

FLEMING, Robert Ainslie
FROST, Allan Richard
FURMIDGE, Robert James
GIRAUD, Nazlie
GLEW, James Philip
GODRICH, Harry Carver
GREENSTEIN, Graeme John
GRENFELL, Duncan Peter
HARTY, David Frank Graham
HARVEY, Sean
HENDERSON, Keith Scott
HIGGINS, Matthew John
HOARD, Robert John
JENNETT, Geoffrey Michael
KAHLER, Rita
KIRBY, Kevin Michael
LAZARUS, David
LINDSAY, George Keith
MACAULAY, Paul Joseph
MAGENNIS, Gregory Bryan
MARRINER, David James
MARSBERG, Dale Trevor
MEMANI, Vuyokazi Funeka
MFUNWA, Mzwanele Griffiths
MILES, Carol Lesly
MJOLI, Martin Sibusiso
MORAR, Dino Emile
MORRISON, Sean Dalbreck

MURRAY, David Andrew James
 NZUZA, Sethenjwa Alfred Zinhle
 O'SHEA, Brian Patrick
 OGLE, Nicholas Craig Paul
 PATRIKIOS, Alexander Paul
 PETRIE, Leigh Alex
 PRETORIUS, Fiona Jean
 RIGA, Kamlesh Motilal
 ROBINSON, Graham Woodford
 ROSETTENSTEIN, Michael Hugh
 RYAN, Barry John
 SAAYMAN, Paul Nicholas
 SAXTON, Cheryl Ann

SCHWULST, Henry Carl
 SOCIKWA, Karl-Barth Xhanti Thomas
 SOROUR, Craig Guy
 TASKER, Graham Beaumont
 THOMPSON, Judith Katharine
 THOMSON, Gary
 WATSON, Camilla Jane
 WHITTINGTON, Adam
 WOERMANN, Sofia
 WRIGHT, Sarah-Ann Lewis, WITH
 DISTINCTIONS IN Business Information
 Systems AND Industrial Psychology
 ZITA, Noluntu Stella

DEGREE OF BACHELOR OF ECONOMICS

ARNOLD, Craig Leonard, WITH DISTINCTION
 IN Economics
 BLANDIN DE CHALAIN, Jean-Marie Nicolas
 CORBETT, Lance Brendan
 GIGABA, Sandile Reginald

HACKER, Julia Katherine
 KILPIN, Sally Elizabeth
 SMITH, Neil Patrick
 WOOD, Jonathan Charles Holroyde

HIGHER DIPLOMA IN ACCOUNTANCY

BRUCE, Stephen Robert
 CLOETE, Johannes Lodewicus Pretorius
 CROUT, Rory John
 EDWARDS, John Rodney
 EDWARDS, Russell John
 EKERMANS, Grant John Jurgen
 HASSAN, Ebrahim Moosa
 HAWKES, Tyrone Stanley
 HOBSON, Anthony Larry
 JAMES, Gregory David
 JOHNSON, Robert Leslie
 KEEN, Reilly Wayne
 LONG, Royce Trevor

MAREE, Kevin Wayne
 MCCOY, Kevin David
 MCINTOSH, Sally Ann
 MOODY, Christopher Gordon
 NKABINI, Vusi
 PARKER, Tracy
 PRINGLE, Gavin Hugh
 RUSSON, Charles John
 SAHD, Linith Mary
 SCHREIBER, Neil Eric
 TARR, Anne Lynn
 WOOD, Robert William
 ZIETSMAN, Brian Wallace

DEGREE OF BACHELOR OF COMMERCE WITH HONOURS

CLOETE, Johannes Lodewicus Pretorius
 CRAIG, John Gordon Buckingham
 HAWKES, Tyrone Stanley
 JENSCH, Vera Astrid
 KOZ, Kevin Roy
 PARKER, Tracy
 RAUBENHEIMER, Ian Stanfield
 TARR, Anne Lynn

in Accounting
 in Business Administration
 in Accounting
 in Business Administration
 in Business Administration
 in Accounting
 in Business Administration
 in Accounting

FACULTY OF SOCIAL SCIENCE

DEGREE OF BACHELOR OF SOCIAL SCIENCE

ADAMI, Vivienne Claire
 ADCOCK, Lisa Glen
 ANDREWS, Catherine Ann, WITH DISTINCTION
 IN Psychology

BENATAR, Alan Avner
 DICKENS, Peter Albert
 EDWARDS, Karen Adele
 FOSTER, Lynn



MOGOLA, Paulus Sello
MXENGE, Mbasa
NICHOLSON, Anne Louise
NOGAJCZYK, Justyna Marta
RAYNHAM, Paul Eustace
STEENEKAMP, Nicole Ann
TASKER, Richard Mark Beaumont
TAYLOR, Gaye Lesley
THRESHER, Duncan Andrew
VALLABH, Pragna
WADSWORTH, Nadine Maria

MALHERBE, Debra Sue
MBEKI, David Mzwandile Qotile
MCCALL, Wendy Jayne
MJONI, Joyce Nomakaya
MTETO, Zoleka Martha
SKEYI, Tyileka Grace

[illegible]

MADIKIZELA, Nosinodi Alicia, B.A. Soc.Sci., (Unisa), B.Soc.Sci.(Hons), in the Department of Social Work.
Thesis: An evaluative study on the attitudes and use of contraceptives by Black males in Umtata.

MOIR, Justin Llewellyn, B.Soc.Sci.(Hons), in Clinical Psychology, in the Department of Psychology.

PHORIE, Constancia Lineo, B.Soc.Sci.(Hons), in the Department of Social Work.
Thesis: The role of the marriage counsellor in a Xhosa community: an exploratory - descriptive study.

FACULTY OF PHARMACY

DEGREE OF BACHELOR OF PHARMACY

AEREBOE, Michael
ANASTASIS, Despina
ATHERFOLD, Marc Sean
BLACK, Robyn Avril, WITH DISTINCTION
BLACKIE, Alexandra Louise
BROWN, Gavin Robert
CAYZER, Deborah Ann
CIMMA, Renee Louise
DENGGA, Pamela Thenjiwe
FIELD, Megan Lynne
FLETCHER, Kevin Gordon
HERSON, Jonathan
HIRA, Hema Ramanlal
HIRSCHOWITZ, Riva Lee
HOOTSEN, Shiraz
HUMMEL, Catherine Audrey Annemarie
JARVIS, Susan Lynn
KNOTT, Caryn Jean
LAI, Peter
LEE, Jayne Elizabeth
LEGGAT, Andrew Stuart
MAHARAJ, Maheshwar
MBEBE, Martin Mvuzo
MCBAIN, Carole Ann

MCBEAN, Nola Eileen
MCCRINDLE, Jonathan James
MILANI, Marco
MILLER, Jacqueline Kay
MOHAMED, Imtiaz
MOODLEY, Karunesan
MUNRO, Virginia Anne
MURPHY, Leanne
NAIDOO, Vinmanathan
NZO, Celani Mezo Mtuli
PARUK, Farhad Abdul Samad
POLGLASE, Gillian Mary
PONEN, Noel Subenthiran
PRABHULAL, Kalan Bhadraka
PRAG, Dharmesh
PUTTERGILL, Kevin Eric
ROBERTS, Simon James
SANGERHAUS, Deborah Carol
SELLERS, Jennifer Anne
VALLABH, Deepak
VERDOUKAS, Aspasia
WANA, Nokonwaba Pumza
WHEALS, Erica Anne

DEGREE OF MASTER OF SCIENCE IN THE FACULTY OF PHARMACY

BURTON, Susan Frances, in the School of Pharmaceutical Sciences, WITH DISTINCTION.
Thesis: A study of the effects of the pineal hormone, melatonin, on dopaminergic transmission in the central nervous system of rats.

KHAN, Razeeya Banu Ismil, B.Pharm.(Witwatersrand), in the School of Pharmaceutical Sciences.
Thesis: A study of possible interactions between the pineal gland and the opioidergic system.

DEGREE OF DOCTOR OF PHILOSOPHY IN THE FACULTY OF PHARMACY

STANLEY, Shawn Mark Ross, B.Pharm., M.Sc., in the School of Pharmaceutical Sciences.
Thesis: Chemical and spectroscopic studies of some *Escherichia coli* and *Klebsiella* serotypes.

AWARDS OF SCHOLARSHIPS, BURSARIES AND PRIZES

Patrick and Margaret Flanagan Scholarship	Dr C A Hemingway
National Scholarships	No awards
Abe Bailey Travel Scholarship	Miss F van Musschenbroek



Ernest Oppenheimer Trust Scholarship for 1820 Settler and Eastern Cape History	A C Webster
Muirhead Bursary	No Award
Ian Mackenzie Scholarship for Environmental Studies	T R Hill
Irvin and Johnson Postgraduate Bursary in Fisheries Science	M G Dixon
Joe Levy Scholarship	Miss J Y Meijer
David Adolph Bradlow Scholarship for Humanities	Miss M G Black
Henry Bradlow Scholarship for Science	Miss I M Rewitzky (declined) R S Harnett
Basil Schonland Master's/Doctor's Degree Scholarship	Miss H M Schwechheimer
Thomas Alty Master's/Doctor's Degree Scholarship	Miss M L Bode
Master's Degree Scholarships	G R O Arbuckle Miss K G Boucher Mrs J N Bursey Miss C M Clark D J Cox P J Dachs (declined) Miss A Dickinson (declined) Miss K R Du Plessis (declined) Miss A C P Evans (declined) Miss V A Farr Miss J Finestone (declined) Miss L J Harington (declined) Mrs G B Hoyle Miss E Janse van Rensburg Miss J B Lang D A McKay (declined) Miss K P McLellan (declined) Mrs L Mackenzie Miss K L Neill Miss B L Orpen (declined) A R Roos (declined) R M Roos (declined) Miss C E Rudd (declined) Miss H D Timm L F Tooke (declined) L R J van Niekerk Miss F J van Musschenbroek (declined) Miss L D Vincent R A Wadeson (declined)
Dr Kendall Scholarships	Miss N A Baillie Miss A D Doherty (declined) Miss N A Donkin (declined) G G Foster M P Hill Miss M E van Niekerk
Leon Gluckman Memorial Scholarship in Speech and Drama	Miss F J Cox
The Rhodes Foundation Scholarship	Miss D A Cobban
Rhodes Governors' Scholarships	S D Bangay J A Goedhals Mrs A V Marais G M Rehmet

Rhodes University Scholarships	Miss S P Ansell Miss M A Bacsa B A J Bean J V R Beard R L Burton Miss M H Dall (declined) Miss I L Martienssen L Pedersen D J Poole Miss N J Scales
Professor B R Allanson Scholarship	No award
Otto Beit Scholarship	No award
Honours Degree Scholarships	Miss J D Amner (declined) S J Ballam (declined) Miss F Briceland H L J Callaghan Miss J L Du Preez Miss V J Edmondson Miss S Esterhuyse (declined) Miss S Gelman (declined) Miss C M Gorham Mrs A J Guthrie Miss H Hajjiannis Miss A P Harraway G B Jacobs Miss J A Kent Miss B M Lambourne R B Mia A W Paterson Miss A C Paton Miss M A Polacsek Miss S N Rosenberg F C H Rumboll (declined) Miss T J Tucker (declined) Miss E J van Wyk Miss C B Wilson A D Wood
Kendall Bursaries	Miss L E Claase Miss B Dale-Jones Miss P J Dall M C W Masipa Miss A J Townshend
Alfred Beit Scholarships	A A Brooks D J Poole G M Rehmet Miss J A Webster
A Trevor Williams' Scholarships	L N Ayerst B P Grunewald
Coca-Cola Bottlers' Association Scholarship	Miss D J Donkin
Duerden Scholarship	G G Foster/M P Hill (shared)
F R Furter Scholarship	M P Hill
Gladys Blackbeard Scholarship	D J Poole
Grant and Marjorie McKerron Scholarship	Miss E Streicher



Vernon Rice Scholarship for Business Administration	M H Rosettenstein B P O'Shea M J P de Beer
Sasol Bursaries	Miss D J Adamson J M Mjwara
Grahamstown Training College Bursary	E K Momsen J N Oliver
William Waddell Trust Bursaries	Mr N Grange Mr A B Ware Mr D J Marshall
Adcock-Ingram Scholarship	D V Whittaker
Aschman Scholarship	Miss S Pienaar
G H Crow Bursary	R L Burton I N L'Ange
Glaxo Bursary	G J Hooper
Laura Starke Memorial Bursary	Miss D J Adamson
Eli Lilly Pharmacy Bursary	B C Krug
Robert B Lloyd Bursary	D M Burgess
Total Bursary	Miss I L Martienssen
William Francis Barker Bursary	R C Watkins
Dr Adolph Schauder Memorial Prize in Sociology and Social Work	Miss D S Malherbe
AECI Award for Chemistry I	G M Rehmet
Aiken and Peat Award for Accounting Honours	Miss T Parker
Alexander Ogg Prize for Physics	Miss S Buchner
The Archibald Browning Dick Prize	J N Oliver
Associated Electronics Prize for Electronics	No award
A Trevor Williams' Prizes for Physics	S D Bangay M G Millad
The Avlynnne Bowen Award	Miss N P Makapela Miss S M Learmonth
B A Putterill Prize for Master's degree study in the fields of Ecology and Conservation in the Eastern Cape	Miss K G Boucher
Basil Schonland Physics Prize	No award
Bronze Medal of the South African Association for the Advancement of Science (Sponsored by Gencor)	Miss K C Sole
The Cape Society of Chartered Accountants' Prizes	J L P Cloete R J Edwards
The Port Elizabeth Regional Association of Chartered Accountants	R J Edwards
Chris Whiteley Award	J Knauer
David Williams Memorial Prize for Mathematics III	P D Blenkinsop
D C S Oosthuizen Memorial Prize for Philosophy	No award
Eastern Province Cement Company Award for Chemistry III	Miss V J Edmondson
E D Mountain Prize	No award

Ernest Wild Prizes	B J Zworestine I L Martienssen
Ewer Prize in Zoology and Entomology	A J Loveridge
E P Muirhead and M B Rosenberg Memorial Prize for Microbiology III	Miss C B Wilson
Fred Cooper Prize for Company Law	Miss R E Lake
Gencor Prize for Geology	B D Joubert
Heather Drummond Memorial Prize	Miss M E van Niekerk
Helmut Weigert Memorial Prize for Mathematics I	G M Rehmet
Institute of Cost and Management Accountants' Prize	A S Deacon
Jardine Prize	Miss E A Moore
J C van Hille Award in Zoology and Entomology	J Knauer
Johnson and Johnson Award for Chemistry II	P M Morar
John Duncan Award	Miss K E Stoll
Juta Law Prize	Miss M G Black
Louis Dubb Prize	H L J Callaghan
Margaret Smith Bursary in Ichthyology and Fisheries Science	B Q Mann
Mattie Shuttleworth Speech Prize	A R Taylor
Maybaker Prize in Pharmacology	Miss D C Sangerhaus
Maybaker Prize in Pharmacy	Mrs R A Black
Michael Kapelus Memorial Prize for Pharmacy	Mrs R A Black
Milner Memorial Prize	G C Swinney
National Chemical Products Award for Biochemistry Honours	Miss K E Stoll
Nestle Prize for Biochemistry II	Miss A D Stoll
The Norman Harris Prize	S A McIntosh
Pretoria Portland Cement Prize	A S Deacon
Protea Prize	Miss J D Pilzer
Purvis Prize	Miss S J Ballam
R G McKerron Memorial Prize	Miss C E Rudd
R L Threlfell Memorial Prize	H L J Callaghan
Rob Antonissen Memorial Award	Miss C J Accom
Rowney Prize	Miss M F Slater
Royal Society of St George Prize	Miss M E van Niekerk
S A Breweries Prize for Biochemistry III	Miss F Briceland
S A C I James Moir Medal	Miss M L Bode
Sanlam Insurance Prize	Miss S E Sorensen Miss N Caraker Miss T L Wylie
Schwarz Memorial Prize	Miss R A Wigley
Sentrachem Award for Chemistry Honours	Miss M L Bode
Spilken Prize for Law	H L J Callaghan



Steyn Maartens Memorial Prize for Afrikaans	No award
Sydney Cruise Memorial Prize for Mathematics II	S D Bangay
Dr Valentine Cuenod Memorial Prize for French III	Miss G Buncombe

ACADEMIC COLOURS

HONOURS

BODE, Moira Leanne

REWITZKY, Ingrid Moira

COLOURS

ARBUCKLE, Graham Robert Orr
 BAILLIE, Nicola Ann
 BLACK, Megan Gail
 BLACK, Robyn Avril
 BOUCHER, Kim Gillian
 BURSEY, Jane Noelle
 CLARK, Catherine Mary
 COX, Dermot Joseph
 DACHS, Peter John
 DICKINSON, Arlene
 DOHERTY, Annchen Diana
 DONKIN, Natalie Ann
 DU PLESSIS, Kathleen Ruth
 EVANS, Alison Clare Probert
 FARR, Vanessa Anne
 FINESTONE, Juanita
 GARRARD, Sarah Margaret
 HARINGTON, Lesley Joan

HARNETT, Rait Sicklen
 HOYLE, Gisela Beate
 JANSE VAN RENSBURG, Eureka
 LANG, Judy Brenda
 LEVINE, Martin Jacques
 MACKENZIE, Leonore
 MCKAY, David Anthony
 MCLELLAN, Karen Pauline
 NICHOLLS, Helena Sharon
 ORPEN, Barbara Lynn
 PATON, Abigail Cornelia
 ROOS, Robin Michael
 RUDD, Carol Elizabeth
 SCHWECHHEIMER, Heidi May
 TOOKE, Larry Frank
 VAN MUSSCHENBROEK, Felicity-Jane
 VINCENT, Louise Dorothy
 WADESON, Roy Aylmer

HALF COLOURS

BALLAM, Sarah Jane
 BANGAY, Shaun Douglas
 BEAN, Bruce Andrew James
 BEARD, James Vigors Rait
 BLAINE, Jennifer Louise
 BLENKINSOP, Peter David
 BREITENBACH, Catherine Anne
 BRICELAND, Fiona
 BURTON, Rodney Lawrence
 CALLAGHAN, Hugh Leland John
 COXHILL, Julie Anne
 DALL, Marion Hazel
 EDMONDSON, Victoria Jane
 EVANS, Melanie Daryl
 FOSTER, Gregory George
 GELMAN, Sarah
 GUBB, Thomas Nicholas Gauntlett
 GUTHRIE, Avril Jean

HILL, Martin Patrick
 HOOPER, Gregory John
 KENT, Jennifer Ann
 KNOTT, Caryn Jean
 LAMBOURNE, Brigid Mary
 LE ROUX, Yvette
 LEE SUN, Mary-Anne
 MIA, Rafik Bala
 MOGILNICKI, Mikolaj Aleksander
 PATERSON, Angus William
 PEDERSEN, Liam
 POLACSEK, Margit Andrea
 POOLE, David John
 REHMET, Geoffrey Michael
 RUMBOLL, Frank Charles Henley
 TUCKER, Tracy Joy
 WILSON, Carol Brenda
 WOOD, Aidan David