



PHARMACY
S. SCIENCE
SCIENCE
DIVINITY

RHODES UNIVERSITY

1997

GRADUATION CEREMONY

1820 SETTLERS NATIONAL MONUMENT

FRIDAY, 18 APRIL AT 8.15 p.m.

CHANCELLOR

Gavin Walter Hamilton Relly, M.A., LL.D.

VICE-CHANCELLOR

D.R. Woods, B.Sc.(Hons), D.Phil., F.R.S.S.Af.

PRO-VICE-CHANCELLOR

M.A.H. Smout, M.Sc., M.A., Ph.D.

CHAIRMAN OF COUNCIL

The Hon. Mr Justice R.J.W. Jones, B.A., LL.B.

PRESIDENT OF CONVOCATION

The Hon. Mr Justice N.W. Zietsman, B.A., LL.B.

DEANS

Professor I.A. Macdonald, B.A.(Hons), M.A.

Professor P.D. Terry, Msc., Ph.D., F.I.C.S., M.C.S.S.A.

Professor J.R. Midgley, B.Com., LL.B., Ph.D.

Professor P.R. Irwin, B.A.(Hons), U.E.D., M.Ed., D.Ed.

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

Professor C.R. Stones, M.Sc., Ph.D., I.A.B.M.C.P., A.F.B.Ps.S.

Professor B. Potgieter, D.Sc., D.T.D., M.R.Pharm.S., M.P.S.(S.A.)

Professor H. Parolis, Ph.D., M.R.Pharm.S., M.P.S.(S.A.)

Dean of the Faculty of Arts

Acting 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

Acting Dean of the Faculty of Pharmacy

Dean of Research.

REGISTRAR

S. Fourie, B.Th., B.D., D.Th.

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 any-
one 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 full-
ness of life.

Purpura cincti et memores parentum
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 the Choir in the singing of VIS VIRTUS VERITAS.

The Chancellor will constitute the Congregation.

The Head of the Department of Religion and Theology will read a portion of Scripture and offer a prayer.

The Vice-Chancellor will welcome the Congregation.

The Archbishop of Cape Town, The Most Reverend W.N. Ndungane, will address the Congregation.

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

The Vice-Chancellor will present Doctor M.T. Davies-Coleman for the award of the Vice-Chancellor's Distinguished Research Medal.

The Public Orator (Professor P.D. Terry) will present:

Derek Scott Henderson for the Degree of Doctor of Laws, Honoris Causa; Winston Njongonkulu Ndugane for the Degree of Doctor of Divinity, Honoris Causa.

The Chancellor will dissolve the Congregation.

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

With the exception of the commencement and conclusion of the Ceremony, members of the Congregation are requested to remain seated throughout the proceedings.

FACULTY OF PHARMACY

DEGREE OF BACHELOR OF PHARMACY

ATIYA, Ahmed	MAJID, Rozina Khanam
BAMBER, Carolynne Jane	MAKONI, Adrian Tonganayi
BOTHWELL, Toni-Ann	MAXIBASHE, Nkundla William
BROWN, Vivienne Ann	MCDONALD, Ian
CARROLL, Natalie	MEGO, Tess
CHISHOLM, Briony Sue	NAIDOO, Michael Joseph
CONINGHAM, Tracy Lynne	NKOLONGWANE, Lungelwa Mary-Jane
COOPER-JONES, Jane Lesley	PARSHOTAM, Kailesh
DAWOOD, Hoosen Yunus	PATEL, Dhanista
DREYER, Kim Toni	PILLAY, Nirusha
EMARY, Kirrin Carrol	RAJAH, Nazeera
FOURIE, Janine, WITH DISTINCTION	RAMJEE, Rohan Amratlal
GANDA, Kamal Dansuklal	ROWJEE, Rashmita
GHELA, Geeta	SEFALI, Matebele Gladstone
GOKAL, Rakhee	SEIGEL, Amber Teresa, WITH DISTINCTION
GRANT, Lindsay	SHIELDS, Tracy
HARRIS, Brenda Kerry	SOSOLA, Aaron Glyn
ISMAIL, Afzal	THAKUR, Reshma
JACKISON, Yogita	TOLMAY, Amanda Cathryn
KAMTENGANI, Cynthia Sitingaanthu	VAGHMARIA, Deetesh
KISTEN, Kamani	VALA, Varsha
LATIB CASSIM, Mohammed Riaz	VAN VREDE, Brenton Ian
MAHOMED, Hoosen Amod Ayob	VENGADAJELLUM, Deidre
MAHOMED AYOB, Faizal	WISCH, Michael Henry

DEGREE OF MASTER OF SCIENCE IN THE FACULTY OF PHARMACY

DRUMMOND, Patricia Mary, B.Pharm., in the School of Pharmaceutical Sciences.

Thesis title: A comparative photostability study of four propyl piperazine-substituted phenothiazines.

LALLOO, Anita Kantilal, B.Pharm., in the School of Pharmaceutical Sciences, WITH DISTINCTION.

Thesis title: Application of capillary electrophoresis for the assay of erythromycin and its related substances.

WEBSTER, Jessica Angela, B.Pharm., in the School of Pharmaceutical Sciences.

Thesis title: Assessment of amoxycillin suppositories.

DEGREE OF DOCTOR OF PHILOSOPHY IN THE FACULTY OF PHARMACY

HOOPER, Gregory John, B.Pharm., in the School of Pharmaceutical Sciences.

Thesis title: Biologically active natural products from South African marine invertebrates.

FACULTY OF SOCIAL SCIENCE

DIPLOMA IN THEOLOGY

BRUINERS, Heidi Lu-Anne
FISHER, Peter Jacob

LORD, Chester Seth
LUTHULI, Nsizwana Lameck

MAGADLA, Alphas Mninindawo
MFUNDISI, Mzimasi Gert

OBOSE, Lulamile Patrick

DEGREE OF BACHELOR OF SOCIAL SCIENCE

ALEXANDER, Candice Virginia
ALLAN, Karen Anne
CARSTENS, Monya
JEEWA, Zeenat
KAHLANE, Wandisile Aldred
KUMALO, Badikazi
LEWIS, Kirsti Vernon
LOWE, Gareth James
LYDALL, Bridget Jean
MADALANE, Mzwandile Sylvester
MADIKANE, Misiwe Veronica
MAKHUVHA, Mbudzeni
MARAMBA, Sandile Theo

MOKONE, Paul Senkobeng
MQHAYI, Bridgette Phumzile
MTIMKULU, Patrick Thanduxolo
MYBURGH, Claire Liza
NARSAI, Sharmila
NGXIKI, Pumeza
NKHUMISHE, Linda Mmapoulo
NYEKI, Ntombekhaya
NYENYA, Kennedy
PHOLO, Ponatshego
REYNOLDS, Lynette Elizabeth
SIMPSON, Lee Anne
WOOD, Kim

DEGREE OF BACHELOR OF SOCIAL SCIENCE (SOCIAL WORK)

BANTOM, Ntombekaya Eugenia
HERMANUS, Alicia Tanya
MALGAS, Astrid Elizabeth

WRIGHT, Lisa Joy, WITH DISTINCTIONS IN
Psychology AND Social Work
XUNDU, Nupe Zukisa
ZWANE, One Phongie

DEGREE OF BACHELOR OF THEOLOGY

HENDRY, Gavin Charles
MAKOLE, Gaanakgomo Meshack

MOLEKO, Benjamin Theko
NKOMONDE, Sjadu Kennedy

DEGREE OF BACHELOR OF SOCIAL SCIENCE WITH HONOURS

BORDER, Michael Anthony
EUIVRARD, Gwenda Joan
FLOTMAN, Aden Paul
GAVIN, Andrew James Wesley
HOLLIS, Alison Lisa
LEVENDAL, Glenise Agnes
LOUGHNANE, Dervla Catherine
MADONKO, Nkululeko
MATSHA, Ntombekhaya
MILNE, Debora-Ann
NJOKO, Muziwokuthula
QUINN, Brian William
STEENKAMP, Paul Graeme
TERRY, Brett Steven

in Psychology
WITH DISTINCTION IN Psychology
in Industrial Psychology
in Information Systems
in Social Work
in Development Studies
in Psychology
WITH DISTINCTION IN Industrial Psychology
in Industrial Psychology
in Social Work
in International Studies
in Economics
in Industrial Psychology
in Industrial Psychology

DEGREE OF BACHELOR OF THEOLOGY WITH HONOURS

HAUPTFLEISCH, Raymond Francois
JUDELSON, Christopher John
MCKANE, John Allan
THOMPSON, Philip Henry James

in Pastoral Theology
in Pastoral Theology
in Pastoral Theology
in History of Christianity/Pastoral Theology

DEGREE OF BACHELOR OF DIVINITY

SCHOLTZ, Roger John
WARMBACK, Andrew Edward

in Biblical Studies (Old Testament)
WITH DISTINCTION IN Biblical Studies (New
Testament)

DEGREE OF MASTER OF THEOLOGY

SNYMAN, Kevin. B.Th(Unisa), B.Th(Hons), in Spirituality, in the Department of Religion and Theology.
Degree by course work and thesis.
Thesis: A theology of spiritual direction for the Presbyterian Church of Southern Africa.

DEGREE OF MASTER OF SOCIAL SCIENCE

DU PLESSIS, Alette Marjorie, B.A.(Social Work) (Stellenbosch), in the Department of Social Work.
Thesis: Die ontwikkeling van 'n plattelandse tak van die ACVV 1900 - 1996.

FACULTY OF SCIENCE

DIPLOMA IN LEATHER SCIENCE

FERNANDES, Ricardo Jason
FREEMAN, Deidre Gwynver
GREGORY, Ian Keith

MAYALO, Mzimkhulu Gideon
PULLEN, Stanton
RITZ, Tilmann Ludwig

DEGREE OF BACHELOR OF SCIENCE

AMBARAM, Aneshia Aldene
ANOOPKUMAR-DUKIE, Shailendra
BARHAM-SMITH, Gary Robert
BELL, Graham Robert
BISSETT, Charlene
BLACKIE, Margaret Anne Lillias, WITH
DISTINCTIONS IN Biochemistry AND
Chemistry
BONNEY, Michelle Lesley
BOTH, Johannes Willem Pieter
BOWKER, Kevin Robert, WITH DISTINCTION
IN Botany
BROOKS, Lorna Lynne
BUCHAN, Christopher Scott
CLARKE, Leslie Robert
COOPER, Christopher James
CORBETT, Christopher John
DANIEL, Ulric Rorke
DENICHAUD, Coldron Dominique
DRUMMOND-HAY, Dudley
GERBER, Jacques
GOVENDER, Justina, WITH DISTINCTION IN
Mathematical Statistics
GRINHAM, Alistair Robert
GUMBIE, Solomon

HLABELA, Patrick Simon
HOLLAND, Morne Louis
HOOD, David Brian Jamieson
HOUSTON, Douglas Michael
HUNT, Brian Peter Vere, WITH DISTINCTIONS
IN Entomology AND Zoology
JACKSON, Claire
JAMES, Kim Louise, WITH DISTINCTIONS IN
Biochemistry AND Chemistry
JOHNSTON, Gavin
KILLER, Freyni Joan
LACEY, Richard Vernon
LANGRISH, Penelope Ruth, WITH
DISTINCTIONS IN Microbiology AND
Zoology
LOMAS, Sarah Diane
LUBCZONOK, Bartosz Jan, WITH
DISTINCTION IN Mathematics
LUDICK, Roy Dirk
MAHASELE, Phehello Anthony
MAHO, Nolufefe Grace
MANILAL, Minal
MASHOPE, Barbara Keitumetse
MATCHER, Gwynneth Felicity, WITH
DISTINCTION IN Microbiology

MATYUNJWA, Zimasa Humphrey
 MNQANQENI, Sivuyile
 MOTLHAOLENG, Gosiramang Stephen
 NAIDOO, Kiasha
 NGONYAMA, Amanda Sindiswa
 NJOVANE, Luvuyo Collen
 NOMA, Bulelwa
 NQWENI, Nomkhita Cylda
 PAYNE, Rosemary Ann, WITH DISTINCTION IN
 Biochemistry
 PETER, Craig Ingram, WITH DISTINCTION IN
 Botany
 PRETORIUS, Lisa Lorraine, WITH
 DISTINCTION IN Microbiology
 REECE, Sacha Louise
 ROBERTS, Martin Andrew, WITH
 DISTINCTIONS IN Chemistry AND
 Geology

SCHUBERT, Michelle
 SCOTT, Lucy Elizabeth Powell
 SKEPU, Zoleka Gwendolyn
 STAMBOLIE, Trephon Walter Cameron
 STEPHENS, Julia Caroline
 TANDA, Sindiswa Eunice
 TANTON, Timothy Charles
 THOMASHOFF, Grant Peter
 TINNEY, Gregory Michael
 TURNER, David
 VAN NIEKERK, Erica May
 WEBBER, Jacqueline, WITH DISTINCTION IN
 Microbiology
 WILLEM, Linda Albertina
 YOUNG, Adam Benedict

DEGREE OF BACHELOR OF SCIENCE (INFORMATION SYSTEMS)

AIRTH, Linda-Lee
 BHURTUN, Rakesh
 BURDIS, Keith Robert
 CHIDIYA, Hector Vimbai
 GOODENOUGH, Calvin John
 KINGSLEY, Gerard Christopher
 LOMBARD, Wayne Martin

NARAN, Jitendra Jayantylal Gopal
 PANAGOI, Soterios
 POULTON, Austin George, WITH
 DISTINCTION IN Information Systems
 RANCHOD, Shyam Ambu
 STUART, Karla Jessica

DEGREE OF BACHELOR OF SCIENCE WITH HONOURS

ANTUNES, Edith Martins
 BALARIN, Marianne Gisele
 BOTHA, Alison
 BROWN, Jocelyn Margot
 BUCHANAN, Kirsten
 CASANUEVA, Luis
 CHEN, Yu-Jen
 COLLETT, David John
 COOK, Alison Louise
 CROUS, Janet Samantha
 DAUBINET, Andre
 DE BRUYN, Natalie
 DE JAGER, Lowri Stephens
 DESCROIZILLES, Lee
 DOIG, Heather Leslie
 DUNN, Jacqueline Francoise
 ENDEMANN, Ferdinand
 EVERITT, Victoria Jane
 FRASER, Sheena Janet
 GORDON, Andrew Kenneth
 GROOM, Andrew Justin

in Chemistry
 in Botany
 in Music and Musicology/Physics
 in Botany/Geography
 in Biotechnology
 in Computer Science
 in Chemistry
 in Botany/Geography
 in Botany
 in Zoology
 in Chemistry
 in Computer Science
 WITH DISTINCTION IN Chemistry
 in Chemistry
 in Geology
 in Computer Science
 in Ichthyology and Fisheries Science
 in Zoology
 in Microbiology
 in Ichthyology and Fisheries Science
 in Geography

HEASMAN, Ray Edward	in Computer Science/Electronics
HOBSON, Roy Peter	in Computer Science
HOLNESS, Stephen Dale	WITH DISTINCTION IN Geography
HORNE, Kerry Allison	WITH DISTINCTION IN Chemistry
KHANGO, Thabare	in Geology
KING, Nicholas Ross	in Geology
KLAAS, Phindile Jonathan	in Chemistry
LACK, Barbara Anne	in Chemistry
LAUBSCHER, Robert Alan	WITH DISTINCTION IN Computer Science/ Electronics
LITTLEJOHN, Paul Stephen	WITH DISTINCTION IN Computer Science
LUCK, Engel Cavall	in Geography
MANANA, Pride Sylvester	in Chemistry
MANANA, Viorety Ntombizini	in Chemistry
MARRIOTT-DODINGTON, Tana Lyn	WITH DISTINCTION IN Zoology
MCDONALD, Andre Malan	in Ichthyology and Fisheries Science
MCPHAIL, Kerry-Leigh	WITH DISTINCTION IN Chemistry
MENDELOW, Justin Charles	in Marine Biology
METZLER, Walto Christo	in Environmental Water Management
MILES, Dionne Natalie	WITH DISTINCTION IN Microbiology
MNDAWENI, Maleka Jerry	in Geology
MOKHOBO, Azariel Sello	in Chemistry
MOLIPANE, Ntaoleng Patricia	in Biotechnology
NEWTON, Mark Brian	in Computer Science
NTLATLENG, Kefilwe Dehlia	in Chemistry
PAPALOIZOU, Georgia	in Geography
PARNELL, Giles Anthony Garland	in Information Systems
PRESTON, Richard Michael	WITH DISTINCTION IN Computer Science
RANDELL, Lynn Merle	in Geology
ROBERTSON, Mark Peter	WITH DISTINCTION IN Zoology
RUDMAN, Martin John	WITH DISTINCTION IN Ichthyology and Fisheries Science
RUSSELL, Anne Kristine	WITH DISTINCTION IN Biotechnology
RUSSELL, Ingrid Margaret	WITH DISTINCTION IN Biotechnology
RYAN, Daniel Reginald	in Biotechnology
SCHONKEN, Nico	in Computer Science/Mathematical Statistics
SHAND, Bianca May	WITH DISTINCTION IN Computer Science
SHARP, Gary David	in Mathematical Statistics
SKINNER, Sarah Jane Wolfe	in Geology
SMITH, Adrian Wilfred	in Computer Science/Music and Musicology
SOUTHERN, Anthony James	in Ichthyology and Fisheries Science
STAKESBY LEWIS, Jennifer Anne	WITH DISTINCTION IN Mathematical Physics/ Theoretical Physics
STEELE, Graham Richard	in Zoology
SURTEES, Grant Bradley	in Geology
THAMAE, Mamothibe Amelia	in Chemistry
UREN, Elizabeth	in Geology
VAN DER MERWE, Adele Shanette	in Biochemistry
VAN OSCH, Andrew	in Economics
VAN ROOYEN, Megan Lynne	in Biochemistry
WALLACE, Lynne Crombie Mackellar	in Biotechnology

DEGREE OF MASTER OF SCIENCE

BILLS, Ian Roger, B.Sc.(Hons)(Westfield Coll., London), in Ichthyology, in the Department of Ichthyology & Fisheries Science.

Thesis title: Eco-ethology of shell-dwelling cichlids in Lake Tanganyika.

COLLETT, Lynne Alison, B.Sc.(Hons), in the Department of Chemistry, WITH DISTINCTION.

Thesis title: Structural and stereochemical investigations of terrestrial and marine pyrone metabolites.

CRETCHLEY, Robyn, B.Sc.(Hons), in Zoology, in the Department of Zoology and Entomology.

Thesis title: Exploitation of the bait organism *Upogebia africana* (Crustacea: Anomura) in the Knysna Estuary.

DA SERRA, Maria Fatima, B.Sc.(Hons), in Biotechnology, in the Department of Biochemistry and Microbiology.

Thesis title: Fungal and substrate-associated factors affecting lignocellolytic mushroom cultivation on wood sources available in South Africa.

DAVIS, Jerome Adam, B.Sc.(Natal), B.Sc.(Hons), in Fisheries Science, in the Department of Ichthyology and Fisheries Science.

Thesis title: Investigations into the larval rearing of two South African sparid species.

DE BEVER, Nicolaas Johannes, B.Sc.(Cape Town), in Exploration Geology, in the Department of Geology.

FORTESCUE, Alex Kenneth John, B.Sc.(Hons), in the Department of Geography, WITH DISTINCTION.

Thesis title: The use of remote sensing and geographic information systems (GIS) techniques to interpret savanna ecosystem patterns in the Sabi Sand Game Reserve, Mpumalanga Province.

GRAHAM, Gwyneth Clare, B.Sc.(Natal), B.Sc.(Hons), in the Department of Computer Science.

Thesis title: An investigation of nondeterminism in functional programming languages.

GUTHRIE-STRACHAN, Jeffry James, B.Sc.(Natal), B.Sc.(Hons), in the Department of Chemistry.

Thesis title: Chemical studies of necic acid analogues.

HOLLAND, Henry James, B.Sc.(Hons)(Orange Free State), in the Department of Geology.

Thesis title: A collated digital, geological map database for the Central Namaqua Province using geographical information system technology.

IRISH, Abigail Claire, B.Sc.(Hons), in Fisheries Science, in the Department of Ichthyology and Fisheries Science, WITH DISTINCTION.

Thesis title: Investigations into the dietary protein requirements of juvenile spotted grunter, *Pomadasys commersonnii* (Haemulidae : Pisces).

KAKEMBO, Vincent, B.Sc.(Makerere University, Uganda), B.Sc.(Hons)(Fort Hare), in the Department of Geography.

Thesis title: A reconstruction of the history of land degradation in relation to land use change and land tenure in Peddie District, former Ciskei.

KING, Georgina Maria, B.Sc.(Hons)(Natal-Durban), in Geohydrology, in the Department of Geology.

Thesis title: The development potential of Kwazulu-Natal aquifers for rural water supply.

- KRALLIS, Myrsini, B.Sc.(Hons), in Microbiology, in the Department of Biochemistry and Microbiology.
Thesis title: Isolation and identification of Beta-lactam producing microorganisms using PCR based methodologies.
- KÜCK, Karen Melody, B.Sc.(Hons), in the Department of Geography, WITH DISTINCTION.
Thesis title: Periglacial features in the vicinity of Tiffindell Ski Resort, North East Cape Drakensberg, South Africa, and their implications for the development of the resort.
- MAHABEER, Rajeshree, B.Sc.(Hons), in Biochemistry, in the Department of Biochemistry and Microbiology.
Thesis title: An investigation into the effects of inorganic toxins and tryptophan metabolites on the forebrain cholinergic system and the pineal gland of the rat.
- MCIVER, Donald Angus, B.Sc.(Port Elizabeth), B.Sc.(Hons)(Port Elizabeth), in Exploration Geology, in the Department of Geology.
- MCKINNELL, Lee-Anne, B.Sc.(Hons), in Physics in the Department of Physics and Electronics, WITH DISTINCTION.
Thesis title: A new empirical model for the peak ionospheric electron density using neural networks.
- MOONEY, David Gabriel, B.A(Hons)(Nat.Sci.)(Trinity College, Dublin), M.A.(Trinity College, Dublin), in Exploration Geology in the Department of Geology.
- MURALEETHARAN, Murugiah, B.Sc.(Hons)(Jaffna, Sri Lanka), in the Department of Mathematics, WITH DISTINCTION.
Thesis title: Generalisations of filters and uniform spaces.
- MURRAY, Eric Charles, B.Sc., in Geohydrology, in the Department of Geography, WITH DISTINCTION.
Thesis title: Guidelines for assessing single borehole yields in secondary aquifers.
- NARAN, Daksha, B.Sc.(Hons), in Ichthyology, in the Department of Ichthyology and Fisheries Science.
Thesis title: Cytogenetic studies of *Pseudobarbus* and selected *Barbus* (Pisces: Cyprinidae) of Southern Africa.
- SIMON, Carol Anne, B.Sc.(Hons), in Zoology, in the Department of Zoology and Entomology, WITH DISTINCTION.
Thesis title: Extracellular digestion in two intertidal mussels and the role played by their gut bacteria.
- SIPHUGU, Mashudu Victor, B.Sc.(Venda), B.Sc.(Hons), in the Department of Botany.
Thesis title: Effects of sustained elevated carbon dioxide concentration on two cultivars of barley (*Hordeum vulgare* L.).
- WALMSLEY, Sarah Ann, B.Sc.(Hons)(Bangor, Wales), in Fisheries Science, in the Department of Ichthyology and Fisheries Science.
Thesis title: The biology of two important by-catch skate species on the Agulhas Bank, South Africa.
- WILLIAMS, Margot Lluttrell, B.Sc.(Hons)(Natal), in Zoology, in the Department of Zoology and Entomology.
Thesis title: Macroinvertebrate community and species responses to chlorinated sewage effluent in the Umsunduze and Umbilo Rivers, Kwa Zulu-Natal, South Africa.
- YOUTHED, Jennifer Gay, B.Sc.(Hons), (joint) in Geography and Zoology, in the Departments of Geography and Zoology and Entomology.
Thesis title: A predictive biogeography of selected alien plant invaders in South Africa.

DEGREE OF DOCTOR OF PHILOSOPHY IN THE FACULTY OF SCIENCE

BANGAY, Shaun Douglas, M.Sc., in the Department of Computer Science.

Thesis title: Modelling parallel and distributed virtual reality systems for performance analysis and comparison.

CALVO UGARTEBURU, Miren Gurutze, B.Sc.(Hons)(Universidad Pais Vasco), in Zoology, in the Department of Zoology and Entomology.

Thesis title: Parasitism and invasive species: an ecological study of mussel populations.

DEACON, Neil Robin, B.Sc.(Hons), in Ichthyology, in the Department of Ichthyology and Fisheries Science.

Thesis title: Determination of the optimum environmental requirements of juvenile marine fish: the development of a protocol.

GRAY, David Richard, B.Sc.(Hons)(Bangor, Wales), in Zoology, in the Department of Zoology and Entomology.

Thesis title: Studies of the biology and ecology of the high shore South African Limpet, *Helcion pectunculus* (Mollusca: Patellogastropoda).

HAGEMANN, Justin Philip, B.Sc.(Hons), in the Department of Chemistry.

Thesis title: Design, synthesis and evaluation of novel, metal complexing agents.

IKRAM, Ismail Mohamed, B.Sc.(Hons)(Buckingham), M.Sc.(University of the West of England), in the Department of Computer Science.

Thesis title: Grouping complex systems for classification and parallel simulation.

MIDGLEY, Nicola-Ann, B.Sc.(Hons), in Biochemistry, in the Department of Biochemistry and Microbiology.

Thesis title: Metabolic responses in melanoma cells to combined nutrient supplementation.

MJWARA, Jabulani Michael, M.Sc., in the Department of Botany.

Thesis title: The effect of elevated carbon dioxide on *Phaseolus vulgaris* L. cv. Contender.

MUNTHALI, Simon Muchina, B.Sc.(Malawi), B.Sc.(Guelph, Canada), in Ichthyology, in the Department of Ichthyology and Fisheries Science.

Thesis title: Ecological interaction between the introduced and native rock-dwelling cichlid fishes of Lake Malawi National Park, Malawi.

NELWAMONDO, Aubrey Ndifelani, M.Sc.(Fort Hare), in the Department of Chemistry.

Thesis title: Solid state thermal decomposition of amide complexes of nickel (II) chloride.

NHLANE, Martin Edwin Darwin, M.Sc.(Malawi), in Zoology, in the Department of Zoology and Entomology.

Thesis title: A comparative study of the Grey-headed Sparrow (*Passer griseus* L) and the House Sparrow (*Passer domesticus* L) in Malawi.

OTTINO, Paulo, B.Sc.(Hons), in Biochemistry, in the Department of Biochemistry and Microbiology.

Thesis title: Vitamin E supplementation and secondary metabolites: interactions and effects on melanoma growth.

RADLOFF, Sarah Elizabeth, M.Sc., in Entomology, in the Department of Zoology & Entomology.

Thesis title: Multivariate analysis of selected honeybee populations in Africa.

RAMAITE, Isaiah David Ipfani, M.Sc., in the Department of Chemistry.

Thesis title: Synthetic and physical organic studies of chromone derivatives.

STOLL, Anita Doris, B.Sc.(Hons), in Biochemistry, in the Department of Biochemistry and Microbiology.

Thesis title: Bioaccumulation of heavy metals by the yeast *S.cerevisiae* and the bioremediation of industrial waste water.

WALSH, Harold Archibold, B.Sc.(Hons), in Biochemistry, in the Department of Biochemistry and Microbiology.

Thesis title: Regulation of tryptophan-2,3-dioxygenase and pineal indoleamines by selected tryptophan derivatives and antidepressants.

VICE-CHANCELLOR'S DISTINGUISHED RESEARCH AWARD

The Vice-Chancellor's Distinguished Research Award was first introduced in 1991 and Dr Michael Davies-Coleman is the fifth recipient of this prestigious award. Its purpose is to stimulate research and research-related scholarly activities and to support members of staff who show exceptional potential in their field.

Dr Davies-Coleman has established himself as a very enthusiastic and productive researcher in the field of marine natural products chemistry and has undoubtedly become the leading South African Organic Chemist in this field. He leads an active postgraduate research group and the results of their work are published regularly and have been presented at both national and international conferences.

In addition to his research achievements at Rhodes, Dr Davies-Coleman has established important collaborative links with researchers at other Universities and with international pharmaceutical companies.

AWARDS OF SCHOLARSHIPS, BURSARIES AND PRIZES

Vice-Chancellor's Distinguished Teaching Award (Shared)	P S Walters
	H Van Der Mescht
Vice-Chancellor's Research Award	M T Coleman-Davies
Patrick and Margaret Flanagan Scholarship (Shared)	S Murray
	L G Wild
National Scholarships	D M Peinke
	R P Van Hille
Abe Bailey Travel Scholarship	C P W Walters
Ernest Oppenheimer Trust Scholarship for 1820 Settler and Eastern Cape History	J R Flint (nee Payne)
Muirhead Bursary	K A Horne
Ian Mackenzie Scholarship for Environmental Studies	K J Whittington-Jones
Irvin and Johnson Postgraduate Bursary in Fisheries Science	To be Awarded
Joe Levy Scholarship	L E Williams
David Adolph Bradlow Scholarship for Humanities	A E Van Der Vlies
Henry Bradlow Scholarship for Science	J A Stakesby-Lewis
Basil Schonland Scholarship	K-L McPhail
Thomas Alty Scholarship	V B Cook
Dr Maryam Babangida Scholarship	G H Shaw
Master's Degree Scholarships	D D Allan
	J A Band
	D Bergman
	A D Cameron
	J C Cardo
	V L Clark
	V B Cook
	C B Coutts
	L S De Jager
	E H De Klerk
	M A De Vos
	W I Du Plessis
	T Faure
	R Gericke
	G B Glover
	K J Gurney
	K E Gutsche
	S D Holness
	N Holshausen
	K A Horne
	A Jacobsen
	D M Kilpert
	J D Koen
	R A Laubscher
	P S Littlejohn
	T S Lloyd
	N Madonko
	T L Marriott-Dodington
	K-L McPhail
	D N Miles
	S Neufeld

		L M Pettit
		M Potgieter
		R M Preston
		O A Quesnel
		A L Rae
		B A Robertson
		M P Robertson
		M J Rudman
		A K Russell
		I M Russell
		L I Schäfer
		A T Seigel
		B M Shand
		L-L Smith
		J A Stakesby-Lewis
		M Stewart
		M Swiegers
		S J Truen
		L R Uhlig
		A E Van Der Vlies
		L Vermeulen
		R K Whisson
		L J Wright
Raymond Pullen Memorial Scholarships for the Arts	- Fine Art	S G Bunu
	- Music	G E Olwage
		S L Imrie
	- Drama	B J Cullinan
		J M Nekhwevha
Leon Gluckman Memorial Scholarship in Drama		S M Hardy
The Rhodes Foundation Scholarship (Most Outstanding Graduate)		G E Olwage
Dr Kendall Scholarships		M A L Blackie
		T L Dinkelman
		B P V Hunt
		K L James
		G F Matcher
		C B Morgan
		C J Rheeder
		M A Roberts
		D J Roberts
		A J Ross
Rhodes Governors' Scholarship (Most Outstanding Undergraduates in the Humanities and Sciences)		L Botha
		A B Jivan
		S M Tagg
		A L Woodhead
Rhodes University Scholarships		V A Mitova
		P E McCarthy
		C J Hewitt
		N Rockcliffe
		A L Pinchuck
		J A Glover
		D J Spies

	L E Kastan
	G H Shaw
	N T Piaggese
Professor B R Allanson Scholarship	S Kaehler
Otto Beit Scholarship	C I Peter
Honours Degree Scholarships	M A L Blackie
	A H Bourne
	K R Bowker
	S P Chapman
	E Chernis
	G W Coetzee
	D R Crosoer
	B J Cullinan
	T L Dinkelman
	M J R Donnelly
	K L Field
	D A Forster
	S A Gibson
	M B Gotte
	J Govender
	M D Hegarty
	E C Humphries
	B P V Hunt
	J Hussey
	K L James
	P R Langrish
	G M Linnett
	G F Matcher
	C J Maxwell
	R M McIntyre
	C B Morgan
	G Naude
	G E Olwage
	H J Otto
	R A Payne
	L J Perry
	C I Peter
	A G Poulton
	A B Powers
	L L Pretorius
	L-L Randall
	C J Rheeder
	D J Roberts
	M A Roberts
	M W Roets
	A J Ross
	K A Sharwood
	B H Sierra
	M J Taylor
	C Van Wyk
	J Webber
Alfred Beit Scholarships	S R Nicolson

	R L Nathanson
	U J H Patel
	S M Ratcliffe
	K K Williams
A Trevor Williams' Scholarship (Shared)	K S Johnson, G H Shaw
Kevin Carlean Memorial Scholarship (Journalism)	L E Kastan
Duerden Scholarship	P R Langrish
Gladys Blackbeard Scholarship	L Botha
Grant and Majorie McKerron Scholarship(Law)	L R Beard
Irvin and Johnson Scholarship for Microbiology II	P Edwards
Charles Gordon Rice Scholarship for Management	No Award
Pearce Rood Scholarship (Law)	C Weitzmann
Stellenbosch Farmers' Winery Awards	V M Mde
	T M Mogamisi
Grahamstown Training College Bursaries	S K Nkomonde
	D R H Elizabeth
Grahamstown Training College Scholarship	T L Bell
	D R A V Cotton
Aschman Scholarship	D H Abdinor
Bancroft Medal for the Outstanding MSc in the Field of Mineral Exploration (Sponsored by Anglo-American)	No Award
G H Crowe Scholarship	G W Coetzee
Glaxo Bursary	R T Sewjee
Laura Starke Memorial Bursary	R Chalmers
Eli Lilly Pharmacy Bursary	To be Awarded
Rodney Davenport History Scholarship (Shared)	S G Dunn,
	C Z Tsampiras
Bateman Scholarship	P K Raadt
Adams and Adams Law Prize	L Breitenbach
Leslie Kent Award for Geology	M A Roberts
George M Gruber Physics IP Prize	T Jacobs
Robert B Lloyd Bursary	I Y Cohen
William Francis Barker Award	M A Roberts
Dr Adolph Schauder Memorial Prize in Sociology and Social Work	S E Case
AECI Award for Chemistry I	A B Jivan
Rapport Prize for Afrikaans I	P W R Coetzer
Rapport Prize for Afrikaans II (Shared)	M Badenhorst,
	J O'Conner
Rhone-Poulenc Rorer Scholarship for 4th Year Pharmacy	B R Toogood
Rhone-Poulenc Rorer Scholarship for MSc Study	No Award
Aiken and Peat Award for Accounting Honours	K J Robertson
Alexander Ogg Prize for Physics	G R Barham-Smith
Arthur Andersen Prize for Accounting II	M L Francis
A Trevor Williams' Prize for Physics I	K K Williams
A Trevor Williams' Prize for Physics II	G H Shaw
The Avlynne Bowen Award For Pharmacy II	D Edwards
B A Putterill Prize for Master's degree study in the fields of Ecology and Conservation in the Eastern Cape	M P Robertson
Basil Schonland Physics Prize	J A Stakesby-Lewis
Beth Cumming Memorial Prize	B P V Hunt
Bill Branford Prize for Linguistics	A J Ross

Bronze Medal of the South African Association for the Advancement of Science (Sponsored by Gencor)	A De La Croix
Butterworth Management Accounting III Prize	C B Morgan
Ashton Chubb Prize	K Coopoosamy
The Cape Society of Chartered Accountants' Prizes -Advanced Accounting	K J Robertson
-Advanced Auditing	B D Daniels
-Best Taxation	S J Atkinson
The Port Elizabeth Regional Association of Chartered Accountants	K J Robertson
Chris Whiteley Award	G F Matcher
David Williams Memorial Prize for Mathematics III	No Award
D C S Oosthuizen Memorial Prize for Philosophy	A J Ross
E D Mountain Prize	M J C Henry
Judge Schock Prize	G B Glover
Ernest Wild Prizes for Psychology II	M R Mason
Psychology III	M J Taylor
Dr Kurt Gillis Prize for Psychology Masters	M S Kahn
Ewer Prize in Zoology and Entomology	M P Robertson
E P Muirhead and M B Rosenberg Memorial Prize for Microbiology III	G F Matcher
Fred Cooper Prize for Company Law (Shared)	L Breitenbach, J T P Haydock
Heather Drummond Memorial Prize for Poetry	No Award
Helmut Weigert Memorial Prize for Mathematics I	A Braverman
The Chartered Institute of Management Accountants' Prize	R M McIntyre
Jardine Prize	L Botha
J C van Hille Award in Zoology and Entomology	No Award
Johnson and Johnson Award for Chemistry II	K S Johnson
John Duncan Award	R A Payne
Juta Law Prize	G B Glover
Lillian Britten Prize for Botany	C I Peter
Louis Dubb Prize	R M McIntyre
Alastair Kerr Prize	D C Pattle
Margaret Smith Bursary in Ichthyology and Fisheries Science	M S Marriott
Matthew Jones Memorial Shield	B P V Hunt
Mattie Shuttleworth Speech Prize	J M Cairns
Mavis Hill Prize for Music	No Award
Michael Kapelus Memorial Prize for Pharmacy	A T Seigel
Milner Memorial Essay Prize	No Award
National Chemical Products Award for Biochemistry Honours	A S Van Der Merwe
Nestle Prize for Biochemistry II	G D Marriott
The Norman Harris Prize	R M McIntyre
John O'Meara Prize for Industrial Psychology III	J Hussey
Oxford University Press Prize for English Literature	A E Van Der Vlies
Pretoria Portland Cement Prize - Chemistry III	M A L Blackie
-Accounting III	R M McIntyre
Purvis Prize	A M Louw
R G McKerron Memorial Prize	L I Schäfer
Rhodes University Chamber Choir Music Award	E R Wetherall
R L Threlfell Memorial Prize	T L Dinkelman
Rob Antonissen Memorial Award	W Du Plessis
Rowney Prize	C J Wylie
Royal Society of St George Prize	A B Powers

Rupert Onderwysstigting Prize For Music (Shared)	E R Wetherall
	E L Short
S A Breweries Prize for Biochemistry III	K L James
S A C I James Moir Medal (Shared)	K A Horne,
	K L McPhail
S A Teachers' Association Award - Primary Level	D L Webber
- Secondary Level	N C Tini
Sanlam Insurance Prizes -Accounting I	L Botha
-Accounting II	M L Francis
-Legal Theory I	M T Makola
Schonland Botany Prize	M P Burgess
Schwarz Memorial Prize for Geology	M A Roberts
Sentrachem Award for Chemistry Honours (Shared)	K A Horne,
	K L McPhail
Spilken Prize for Law	N O Goodley
Steyn Maartens Memorial Prize for Afrikaans	M Potgieter
Sydney Cruise Memorial Prize for Mathematics II	N T Piaggese
Dr Valentine Cuenod Memorial Prize for French III	No Award
The Victor Norton Award for Journalism	K J Gurney
Andersen Consulting Best Information Systems II Student	J-A Treloar
SUN Couriers Best Information Systems III Student	M W Roets
Andersen Consulting Best Information Systems Honours Student (Joint Award)	A J W Gavin
	G B Turner
Mike Bergen and Associates Best Information Systems	
Honours Systems Development Project (Geosys/HotRock Team award)	A J W Gavin
	G A G Parnell
	M S Henry
Alpha Limited Best Information Systems Honours Research Project	M P Steidl

ACADEMIC COLOURS

HONOURS

GLOVER, Graham Brian
MORGAN, Colin Bruce

ROBERTS, Martin Andrew
SCHAFFER, Lawrence Ivan

COLOURS

ALLAN, Dayleen Diana
BAND, Jamie Angus
BEMONT, Denise Jeannette
BERGMAN, Daniella
BLACKIE, Margaret Anne Lillias
CAMERON, Andrew Desmond
CARDO, Julia Claire
CLARK, Vanessa Leigh
COOK, Victoria Bancroft
COUTTS, Christopher Burdett
DE JAGER, Lowri Stephens
DE VOS, Mark Andrew
DINKELMAN, Taryn Lee
DU PLESSIS, Wilhelm Izak
FOURIE, Janine

GERICKE, Renate
GUTSCHE, Kim Elizabeth
HARPER, Christopher Duncan
HOLNESS, Stephen Dale
HOLSHAUSEN, Nicole
HORNE, Kerry Allison
JACOBSEN, Anneleigh
JAMES, Kirsty Louise
KILPERT, Diana Mary
KOEN, Jeanette Dalziel
LAUBSCHER, Robert Alan
LITTLEJOHN, Paul Stephen
LLOYD, Tamzin Sheila
MADONKO, Nkululeko
MARRIOTT-DODINGTON, Tana Lyn

MC INTYRE, Robert More
 MCPHAIL, Kerry-Leigh
 MILES, Dionne Natalie
 NEUFELD, Steven
 NISCHALKE, Tobias Ingo
 OLWAGE, Grant Etienne
 PARDINI, Catherine Lynne Clair
 PERRY, Lisa Joanne
 PETTIT, Louise Manda
 POTGIETER, Maretha
 PRESTON, Richard Michael
 QUESNEL, Odette Angelique
 RAE, Angela Lynn
 REYNOLDS, Judith Marsha
 ROBERTS, Deborah Joan
 ROBERTSON, Beverley Anne

ROBERTSON, Mark Peter
 ROSS, Allison Jane
 RUDMAN, Martin John
 RUSSELL, Anne Kristine
 RUSSELL, Ingrid Margaret
 SEIGEL, Amber Teresa
 SHAND, Bianca May
 STAKESBY LEWIS, Jennifer Anne
 STEWART, Maureen
 SWIEGERS, Madelaine
 TRUEN, Sarah Jane
 UHLIG, Lizelle Robyn
 VAN DER VLIES, Andrew Edward
 WHISSON, Rebecca Katherine
 WILMOT, Pamela Dianne
 WRIGHT, Lisa Joy

HALF COLOURS

BARNES, Andrew Mark
 BEEVERS, Darren Christian
 BOTHA, Liesel
 BOWKER, Kevin Robert
 BUIST, Caroline Judith
 COETZEE, George Wilhelm
 COHEN, Itamar Yair
 COUSINS, Karen Lynne
 DONNELLY, Martin Joseph Rhodes
 FIELD, Kathleen Lynn
 HEWITT, Clare Jane
 HUNT, Brian Peter Vere
 HUSSEY, Juliet
 JACOBS, Trent
 JIVAN, Anisha Bhawna
 JOHNSON, Kristie Shureen
 LAMPRECHT, Emmanuel
 LANGRISH, Penelope Ruth
 LLOYD, Jonathan Rhys
 MATCHER, Gwynneth Felicity
 MCCARTHY, Patricia Eileen
 MITOVA, Velislava Atanasova
 MOHAMED, Imraan
 MOTSETA, Amohelang Thapelo
 NATHANSON, Ruth Lea
 NICOLSON, Strett Roger

NYAMHUKUTU, Enia Fadzisayi
 OTTO, Heather Joan
 PATEL, Umesh Jagdishbhai Hirabhai
 PAYNE, Rosemary Ann
 PETER, Craig Ingram
 PETKAR, Sahir Yusuf
 PINCHUCK, Andrew Lawrence
 POULTON, Austin George
 POWERS, Angus Bruce
 RATCLIFFE, Simon Mark
 RHEEDER, Catherine Jane
 ROCKCLIFFE, Nicole
 SADLER, Julie Ann
 SCHUTZ, Carol Jessie
 SHAW, Gail Helen
 SHORT, Eliot Lloyd
 SIERRA, Benjamin Heath
 TAGG, Shannon Maria
 TAYLOR, Morag Jean
 VERNER, Jennifer Joan
 VON SENGEL, Inge
 VORSTER, Andrea-Lynn
 WETHERALL, Eric Richard
 WILLIAMS, Kingsley Kendall
 WOODHEAD, Adrian Ludgate

CONVOCATION

Convocation is a statutory body which meets at least once a year to discuss any matters affecting the University and to convey its resolutions to the University Council and the Senate. All graduates of Rhodes University, the Vice-Chancellor, Vice-Principal, Registrar, University Librarian, all permanent full-time members of the teaching staff, and the directors of the research institutes of the University, are members of Convocation. Old Rhodians who graduated from the University of South Africa while studying at the Rhodes University College may apply to the Registrar to join the Convocation of Rhodes University. All members are entitled to vote for office-bearers.

Convocation elects three of its members to the Council of the University. The President of Convocation is the Hon. Mr Justice N.W. Zietsman, while the Registrar, Dr S. Fourie, is ex-officio the Secretary.

GAUDEAMUS IGITUR

Gaudeamus igitur, juvenes dum sumus; (Rep)

Post jucundam juventutem, post molestam
senectutem,

Nos habebit humus, nos habebit humus.

Ubi sunt qui ante nos in mundo fuere? (Rep)

Vadite ad superos, transite ad inferos,

Ubi jam fuere, ubi jam fuere.

Vita nostra brevis est, brevi finietur; (Rep)

Venit mors velociter, rapit nos atrociter,

Nemini parcetur, nemini parcetur.

Vivat Academia, Vivant Professores, (Rep)

Vivat membrum quodlibet, vivant membra
quaelibet,

Semper sint in flore, semper sint in flore.

Vivant omnes virgines, faciles, formosae, (Rep)

Vivant et mulieres, dulces et amabiles,

Bonae, laboriosae, bonae, laboriosae.

Vivat et respublica, et qui illam regit; (Rep)

Vivat nostra civitas, Maecenatum caritas,

Quae nos hic protegit, quae nos hic protegit.

Pereat tristitia, pereant osiores, (Rep)

Pereat diabolus, quivis antiburschius,

Atque irrisores, atque irrisores.

GAUDEAMUS IGITUR

Let us live then, and be glad

While young life's before us!

After youthful pastime had,

After old age, hard and sad,

Earth will slumber o'er us.

Where are they who in this world,

Ere we kept, were keeping?

Go ye to the gods above;

Go to hell; inquire thereof;

They are not: they're sleeping

Brief is life, and brevity

Briefly shall be ended:

Death comes like a whirlwind strong,

Bears us with his blast along;

None shall be defended.

Live this university

Men that learning nourish!

Live each member of the same,

Long live all that bear its name;

Let them ever flourish!

Live all girls! A health to you,

Melting maids and beautiful!

Live the wives and women too,

Gentle, loving, tender, true,

Good industrious, dutiful!

Live the commonwealth also,

And the men that guide it!

Live our town in strength and health,

Founders, patrons, by whose wealth

We are here provided!

Perish cares that pule and pine!

Perish envious blamers!

Die the Devil, thine and mine!

Die the starch-neck Philistine!

Scoffers and defamers!